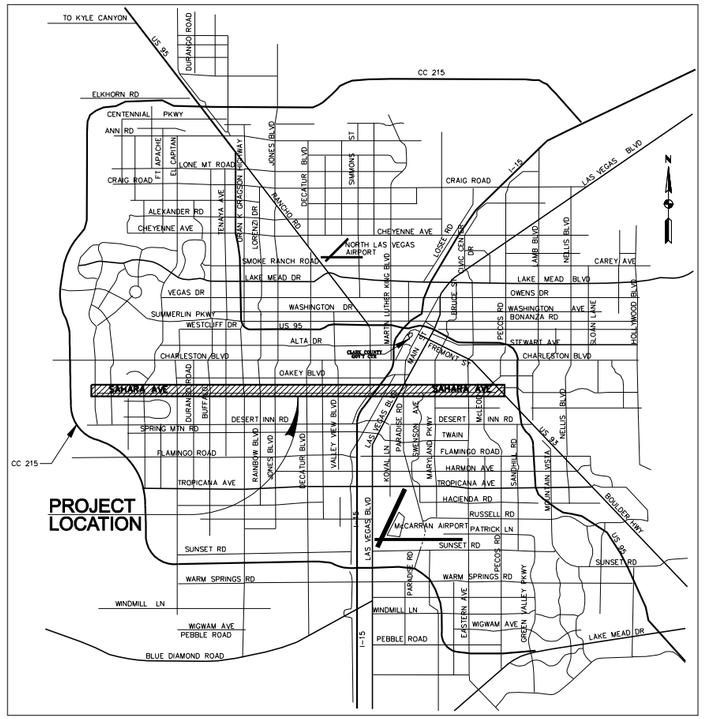


Vicinity Map

NTS

REGIONAL TRANSPORTATION COMMISSION

RTC

OF SOUTHERN NEVADA

RECOVERY.GOV

USDOT TIGER DOT.GOV

2010
IMPROVEMENT PLANS FOR
SAHARA AVENUE
BUS RAPID TRANSIT PROJECT
Volume 2

FUNDED BY

AMERICAN RECOVERY AND REINVESTMENT ACT'S (ARRA) TRANSPORTATION GENERATING ECONOMIC RECOVERY (TIGER) PROGRAM AS ADMINISTERED BY THE U. S. DEPARTMENT OF TRANSPORTATION'S FEDERAL TRANSIT ADMINISTRATION ALONG WITH LOCAL SALES TAX REVENUES ADMINISTERED BY THE REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

NV ENERGY REVIEW

NV ENERGY COMPANY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

CENTURY LINK REVIEW

THE AFFIXED CENTURY LINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS.

SOUTHERN NEVADA WATER AUTHORITY REVIEW

SOUTHERN NEVADA WATER AUTHORITY (SNWA) APPROVAL ON THIS SHEET IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Regional Transportation Commission of Southern Nevada

Approved:

Jacob L. Snow, General Manager

City of Las Vegas

Approved:

CLV City Engineer

Clark County Director of Public Works

Approved:

Denis Cederburg

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

AGENCY	PLANS REVIEWED BY	DATE
CENTURY LINK		
LAS VEGAS VALLEY WATER DISTRICT		
SOUTHWEST GAS CORPORATION		
NEVADA ENERGY [TRANSMISSION]		
NEVADA ENERGY [DISTRIBUTION]		
CLARK COUNTY WATER RECLAMATION DISTRICT		
COX COMMUNICATIONS, LAS VEGAS, INC		
FREEWAY ARTERIAL SYSTEM OF TRANSPORTATION (FAST)		
TW TELECOM, INC.		

AGENCY	PLANS REVIEWED BY	DATE
SOUTHERN NEVADA WATER AUTHORITY		
CLARK COUNTY FIRE DEPARTMENT		

REVISIONS

REV. NO.	DATE	DESCRIPTION	APPROVED
AS	1/2/2013	AS-BUILT	RJP

COVER SHEET

SHEET No. 1B

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

AS-BUILT - 01.02.2013

GENERAL NOTES:

1. ALL REFERENCES TO STANDARD DRAWINGS ARE TO UNIFORM STANDARD DRAWINGS, CLARK COUNTY AREA (USDCCA) LATEST EDITION UNLESS OTHERWISE SPECIFIED.

2. ALL WORK DONE WITHIN THE PUBLIC RIGHT-OF-WAY AND OUTSIDE THE PROJECT BOUNDARIES REQUIRES A SEPARATE ENCROACHMENT PERMIT ISSUED BY THE CLARK COUNTY DEPARTMENT OF PUBLIC WORKS. TRENCH AND PAVEMENT REPLACEMENT CONDITIONS SHALL BE AS PER THE PERMIT.

3. EXACT LOCATIONS OF ALL SAWCUT LINES SHALL BE DETERMINED IN THE FIELD BY AN INSPECTOR FOR THE AGENCY THAT MAINTAINS JURISDICTION.

4. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND FEES REQUIRED FOE CONSTRUCTION.

5. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED PUBLIC ENTITIES, THE PROJECT ENGINEER, THE SIOLS ENGINEER, AND THE COUNTY OF CLARK AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF WORK.

6. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION,WHETHER OR NOT SAID UTILITIES ARE SHOWN ON THESE PLANS. THIS RESPONSIBILITY INCLUDES CONTACTING UTILITY COMPANIES FOR LOCATIONS OR POTHOLING PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.

7. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL DIMENSIONS, EXISTING CONDITIONS, AND POINTS OF CONNECTION WITH ADJOINING PROPERTY (PUBLIC AND PRIVATE). ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH THE WORK.

8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES FOR PROPER DRAINAGE, INGRESS AND EGRESS TO THE PROJECT.

9. FINAL ASPHALTIC CONCRETE PAVEMENT SURFACES SHALL BE ONE-HALF INCH ABOVE THE LIP OF THE GUTTER (INCLUDING UTACS) FOR CCPW STANDARD CURB AND GUTTER. PAVEMENT SURFACES SHALL BE FLUSH WITH THE EDGES OF CROSS GUTTERS AND WHEELCHAIR RAMPS.

10. THE CONTRACTOR SHALL MAINTAIN AN ONGOING PROCESS OF REMOVAL OF ALL SPILLAGE OF EXCAVATION MATERIAL ON ALL PAVED STREETS.

11. ALL OF OFF SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DRAWINGS, FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA, LATEST REVISION, AT THE TIME OF PUBLIC ADVERTISEMENT.

12. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING TRAFFIC SIGNS THAT ARE TO REMAIN IN PLACE . ANY EXISTING TRAFFIC SIGNS THAT ARE NOT IDENTIFIED IN THE PLANS SHALL REMAIN IN PLACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

13. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CLARK COUNTY AREA STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS SPECIFIED ON THE PLANS. ALL POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CLARK COUNTY AREA STANDARDS.

14. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF ROAD(S) BEING IMPROVED, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF SITE IMPROVEMENTS CALLED FOR.

15. ALL PERMANENT TRAFFIC SIGNS FOR CLARK COUNTY ROADWAYS SHALL USE CLASS 4 SHEETING, EXCEPT FOR STREET NAME SIGNS WHICH SHALL USE CLASS 6 SHEETING.

16. DIMENSIONS TO CLARK COUNTY TYPE L CURB & GUTTER, NDOT TYPE 4 CURB & GUTTER,NDOT TYPE 5 CURB & GUTTER AND NDOT TYPE 8 CURB & GUTTER ARE TO BE MEASURED TO BACK OF CURB. DIMENSIONS TO CLARK COUNTY TYPE A CURB, NDOT GLUEDOWN CURB, NDOT TYPE 2 CURB, AND CLARK COUNTY TACK ON ISLAND ARE TO BE MEASURED TO FACE OF CURB.

17. EXISTING CONTOURS SHOWN ON CONSTRUCTION PLANS AND EXISTING GROUND SHOWN ON PROFILE SHEETS MAY NOT REPRESENT CURRENT CONDITIONS.

18. ALL STATIONS AND OFFSETS FOR DETECTABLE WARNING PANELS, CURB RAMPS, RECONSTRUCT RAMPS AND RECONSTRUCT CROSS GUTTER SPANDRELS ARE TO BE MEASURED TO THE CENTER OF THE TRAFFIC SIDE OF THE DETECTABLE WARNING PANEL.

19. THE LANDING WIDTH FOR ALL NDOT CURB RAMPS ARE 4' UNLESS OTHERWISE NOTED ON THE CONSTRUCTION PLANS.

19. SIDEWALK CROSS SLOPE WILL VARY. SEE TYPICAL SECTIONS FOR DETAILS.

20. DETECTABLE WARNING PANELS SHALL BE INSTALLED AT ALL NEW CURB RAMPS AND MEDIAN OPENINGS AT PEDESTRIAN CROSSINGS. DETECTABLE WARNINGS SHALL BE INSTALLEDPER MANUFACTURERS GUIDELINES AND CONFORM TO PROWAG (R304.1.3) "CONTRAST" AND (R303.2.1.3) "LOCATION & ALIGNMENT".

APPROVED FOR CONSTRUCTION:

Signature On File
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 116433 DATE 5/3/2011

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

ABBREVIATIONS:

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
AB	ANCHOR BOLT
AC	ASPHALT CONCRETE PAVEMENT
ACP	ASBESTOS CEMENT PIPE
AD	ALGEBRAIC DIFFERENCE
AHD	AHEAD
ALT	ALTERNATE
AP	ANGLE POINT
APN	ASSESSOR PARCEL NO.
APPROX	APPROXIMATE
AVAR	AIR VACUUM AIR RELEASE VALVE
AVE	AVENUE
B	BOTTOM WIDTH
BC	BACK OF CURB
BLVD	BOULEVARD
BP	BUS PAD
BRG	BEARING
BS	BACK SLOPE
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
BK	BACK
BW	BACK OF SIDEWALK
BL	BASELINE
CATV	CABLE TELEVISION
C & G	CURB & GUTTER
CCPW	CLARK COUNTY PUBLIC WORKS
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT
CEN	CENTER
CF	CUBIC FOOT
CIP	CAST IRON PIPE
CL	CENTER LINE
CLR	CLEAR
CLV	CITY OF LAS VEGAS
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CY	CUBIC YARD
CYL	CYLINDER
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DIA, n	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
E	ELECTRIC (UTILITY PLANS)
EA	EACH
EF	EACH FACE
EGL	ENERGY GRADE LINE
ELEV	ELEVATION
EQ	EQUAL
ETC	ETCETERA
ET&C	ELECTRIC, TELEPHONE & CABLE
EXIST	EXISTING
EXT	EXTERNAL
FF	FAR FACE
FG	FINISHED GRADE
FH	FIRE HYDRANT
FHWA	FEDERAL HIGHWAY ADMINISTRATION
FL	FLOW LINE
FMCT	FLOW METER COMPOUND TURBINE
FO	FIBER OPTIC
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
FS	FORE SLOPE
FW	FACE OF RETAINING WALL
G	GAS
GALV	GALVANIZED
H	HEIGHT
HDPE	HIGH DENSITY POLYETHYLENE
HGL	HYDRAULIC GRADE LINE
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
INT	INTERNAL
INV	INVERT
K	K VALUE
L	LENGTH
LF	LINEAR FOOT
LS	LUMP SUM
LPM	LIQUID PAVEMENT MARKINGS
LT	LEFT
LTG	LIGHTING
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
MAX	MAXIMUM
MED	MEDIAN
MIN	MINIMUM
MISC	MISCELLANEOUS
MLCP	MORTAR LINED AND COATED PIPE
MTR	METER
NDOT	NEVADA DEPARTMENT OF TRANSPORTATION
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NF	NEAR FACE
No.	NUMBER
NVE	NEVADA ENERGY
NPI	NO PAY ITEM
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OHP/T/C	OVERHEAD POWER, TELEPHONE & CABLE
PB	PULLBOX
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE (PLAN VIEWS)
PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
PCF	POUNDS PER CUBIC FOOT
"Pe"	SAHARA AVENUE BASELINE (NDOT CONTROL LINE)
PE	POLYETHLYENE PIPE
PED	PEDESTRIAN
PEN	PENETRATION
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
POT	POINT ON TANGENT
PPCBR	PORTABLE PRECAST CONCRETE BARRIER RAIL
PRC	POINT OF REVERSE CURVATURE
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
R	RADIUS
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REQ'D	REQUIRED
RGS	RIGID GALVANIZED CONDUIT
RPM	RAISED PAVEMENT MARKER
RPPA	REDUCED PRESSURE PRINCIPLE ASSEMBLY
RT	RIGHT
R/W	RIGHT-OF-WAY
S	SLOPE, ft/ft
"SA"	SAHARA AVENUE BASELINE (EXISTING)
SCCP	STEEL CYLINDER CONCRETE PIPE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FOOT
S-G	STEEL GAS
SHLDR	SHOULDER
SHT	SHEET
SL	STREET LIGHT
SP	SPACE
SPEC	SPECIFICATION
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
SNWA	SOUTHERN NEVADA WATER AUTHORITY
STA	STATION
STD	STANDARD
STL	STEEL
S/W	SIDEWALK
SY	SQUARE YARD
T	TELEPHONE LINE
TBC	TOP BACK OF CURB
TEL	TELECOMMUNICATION
THK	THICKNESS
TMH	TELEPHONE MANHOLE
TS	TUBE STEEL
TYP	TYPICAL
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
UGE	UNDERGROUND ELECTRIC
UNO	UNLESS NOTED OTHERWISE
USDCCA	UNIFORM STANDARD DRAWINGS, CLARK COUNTY AREA
UTACS	ULTRA THIN ASPHALT CONCRETE SURFACE
V/WV	VALVE
VC	LENGTH OF VERTICAL CURVE
VERT	VERTICAL
W	WATER (UTILITY PLANS)

LEGEND

- BILLBOARD
- CACTUS
- FLAG
- GRID TICK
- AERIAL PANELS
- PALM TREE
- SINGLE TREE
- PEDESTRIAN SIGNAL
- CULVERT
- POST- MISC
- SPOT ELEVATION (2900.5)
- TRANSMISSION
- BRIDGE SIGNS
- CATCH BASIN
- FIRE HYDRANT (FH)
- METER / UTILITY
- MAN HOLE (MH)
- STREET LIGHT
- LIGHT POLE
- UTILITY POLE
- SIGNS
- SIGNS
- TV DISH
- STREET SIGN
- GATE
- TRAFFIC SIGNAL
- VALVE
- ARROWS / STRAIGHT
- ARROW / TURNS
- ARROWS / TURNS
- BIKE LANE
- HANDICAP
- TRAFFIC PAINT (EXIT STOP)
- TRAFFIC PAINT (ONLY TURN)
- BUILDING
- BRIDGE
- CANOPY
- CENTER LINE PAINT
- CONCRETE
- ELEVATION TEXT (3560)
- CURB / GUTTER
- DIRT ROAD
- GOLF FAIRWAY
- FENCE
- GRID TEXT (N 80000)
- INDEX CONTOUR (3130)
- INTER CONTOUR
- ASPHALT PAVEMENT
- SWIMMING POOL
- RETAINING WALL
- PAVED ROAD
- RAILROAD
- TREE LINE
- GUARD RAIL
- PARKING STRIPES
- WASH
- DROP INLET

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AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

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SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

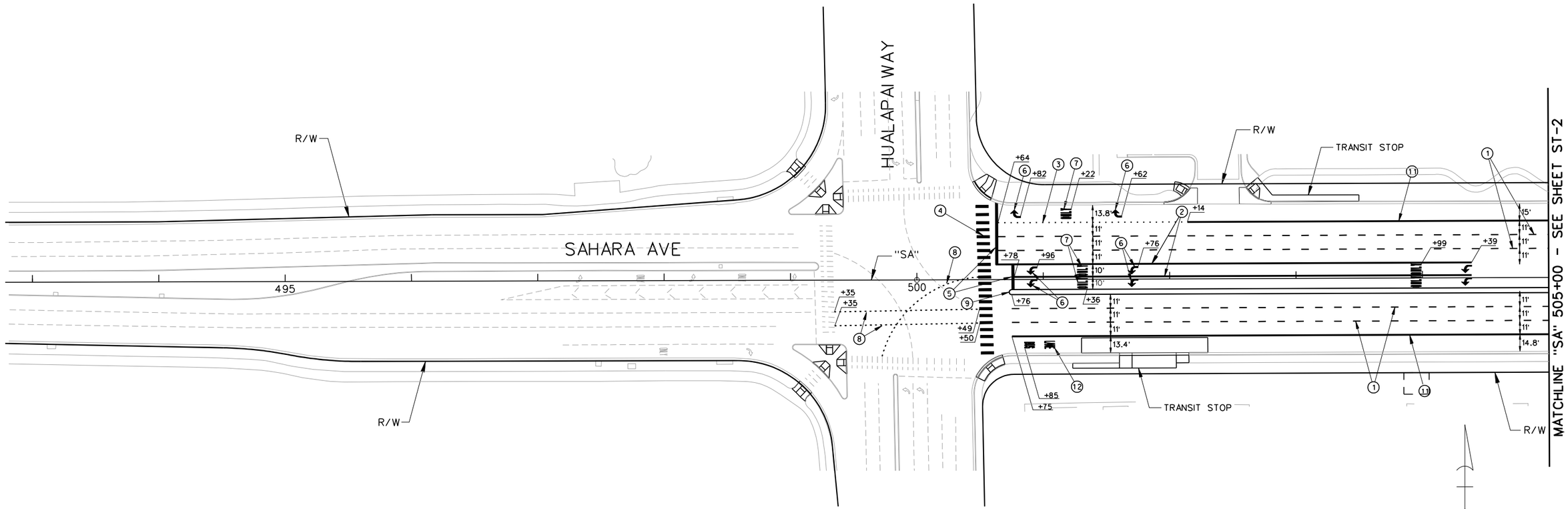
SAHARA AVENUE BUS RAPID TRANSIT PROJECT
GENERAL NOTES , LEGEND , ABBREVIATIONS AND INDEX OF SHEETS
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: SSM
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. 2



STRIPING CONSTRUCTION ITEMS:

① "SA" 500+75.00. RT TO "SA" 505+00.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 500+75.00. RT TO "SA" 505+00.00. RT
"SA" 500+64.00. LT TO "SA" 505+00.00. LT
"SA" 500+64.00. LT TO "SA" 505+00.00. LT

② "SA" 500+78.00. LT TO "SA" 504+39.00. LT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 500+64.00. LT TO "SA" 504+39.00. LT

③ "SA" 500+64.00. TO "SA" 502+14.00. LT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.

④ INSTALL CROSSWALKS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑤ INSTALL STOP BARS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑥ "SA" 501+76.00. RT, "SA" 501+76.00. LT, "SA" 500+96.00. RT, "SA" 504+96.00. LT, "SA" 504+39.00. RT, "SA" 504+39.00. LT, "SA" 500+82.00. LT, "SA" 501+62.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 501+36.00. RT, "SA" 501+36.00. LT, "SA" 503+99.00. RT, "SA" 503+99.00. LT, "SA" 501+22.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑧ "SA" 499+35.00. RT TO "SA" 500+49.00. RT — INSTALL CAT TRACKS AS SHOWN. SEE DETAILS ON SHEET ST-52.
"SA" 499+35.00. TO "SA" 500+50.00. RT

⑨ "SA" 500+73.00. RT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 500+75.00. TO "SA" 505+00.00. RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).
"SA" 502+14.00. TO "SA" 505+00.00. LT

⑫ "SA" 500+85.00 RT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 493+00 to "SA" 505+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

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500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
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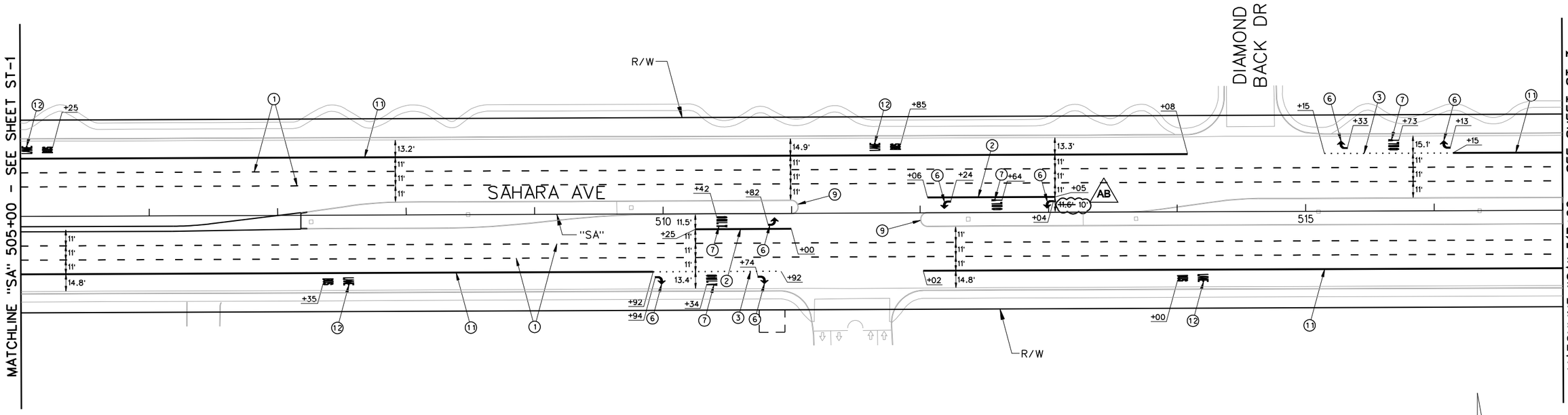
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

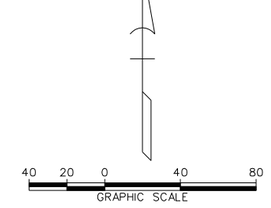
SHEET No. ST-1

Sheet 251 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

① "SA" 505+00.00. RT TO "SA" 517+00.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 505+00.00. RT TO "SA" 517+00.00. RT
"SA" 505+00.00. LT TO "SA" 517+00.00. LT
"SA" 505+00.00. LT TO "SA" 517+00.00. LT

② "SA" 510+25.00. RT TO "SA" 511+00.00. RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 512+06.00. LT TO "SA" 513+05.00. LT

③ "SA" 508+92.00. RT TO "SA" 509+92.00. RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.
"SA" 515+15.00. LT TO "SA" 516+15.00. LT

⑥ "SA" 510+82.00. RT, "SA" 513+04.00. LT, "SA" 512+24.00. LT, "SA" 509+94.00. RT, "SA" 510+74.00. RT, "SA" 515+33.00. LT, "SA" 516+13.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 510+42.00. RT, "SA" 512+64.00. LT, "SA" 510+34.00. RT, "SA" 515+73.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑨ "SA" 505+30.72. RT (YELLOW), "SA" 511+05.22. LT (YELLOW), "SA" 512+00.20. RT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 505+00.00. RT TO "SA" 510+92.00. RT
"SA" 512+02.00. RT TO "SA" 517+00.00. RT
"SA" 515+15.00. LT TO "SA" 517+00.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).
"SA" 505+00.00. LT TO "SA" 514+08.00. LT

⑫ "SA" 507+35.00. RT, "SA" 514+00.00. RT, "SA" 511+85.00. LT, "SA" 505+25.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
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Avoid cutting underground utility lines. It's cool to: Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 Primary and Arterial System of Transportation
Avoid hitting overhead power lines. It's cool to: Call before you do overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 505+00 to "SA" 517+00

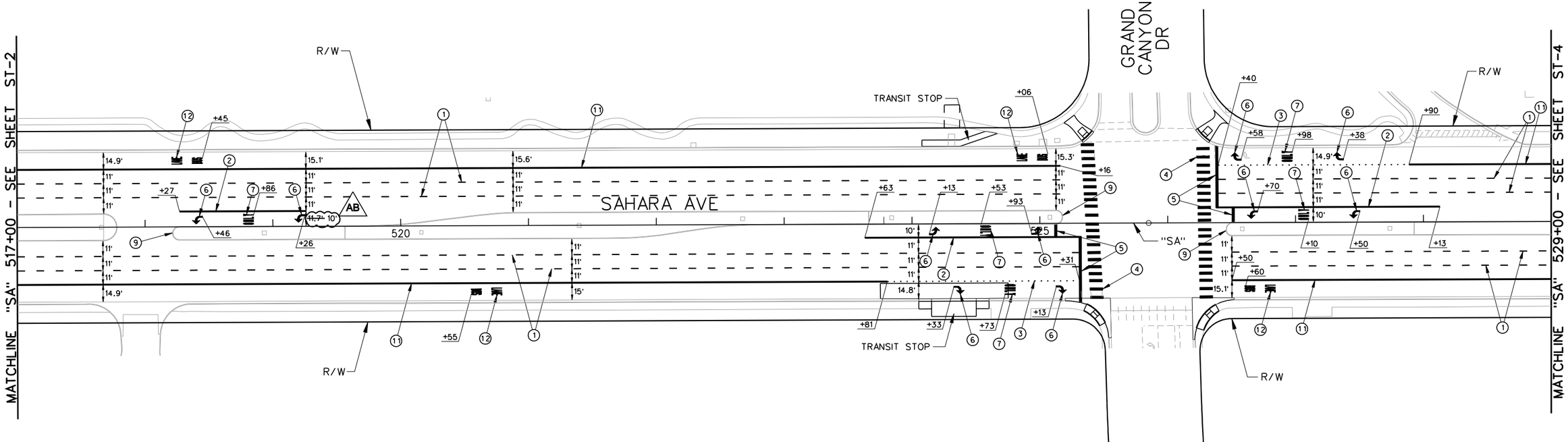
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

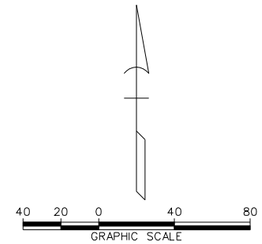
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-2





STRIPING CONSTRUCTION ITEMS:

① "SA" 517+00.00. RT TO "SA" 525+31.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)

"SA" 517+00.00. RT TO "SA" 525+31.00. RT

"SA" 526+50.00. RT TO "SA" 529+00.00. RT

"SA" 526+50.00. RT TO "SA" 529+00.00. RT

"SA" 526+40.00. LT TO "SA" 529+00.00. LT

"SA" 526+40.00. LT TO "SA" 529+00.00. LT

"SA" 517+00.00. LT TO "SA" 525+16.00. LT

"SA" 517+00.00. LT TO "SA" 525+16.00. LT

② "SA" 523+63.00. RT TO "SA" 525+31.00. RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)

"SA" 526+40.00. LT TO "SA" 528+13.00. LT

"SA" 518+27.00. LT TO "SA" 519+26.00. LT

③ "SA" 523+81.00. RT TO "SA" 525+31.00. RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.

"SA" 526+40.00. LT TO "SA" 527+90.00. LT

④ INSTALL CROSSWALKS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑤ INSTALL STOP BARS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑥ "SA" 523+13.00. RT, "SA" 524+93.00. RT, "SA" 524+33.00. RT, "SA" 524+13.00. RT, "SA" 527+50.00. LT, "SA" 526+70.00. LT, "SA" 519+26.00. LT, "SA" 518+46.00. LT, "SA" 526+58.00. LT, "SA" 527+38.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 524+53.00. RT, "SA" 524+73.00. RT, "SA" 527+10.00. LT, "SA" 518+86.00. LT, "SA" 526+98.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑨ "SA" 518+33.71. RT (YELLOW), "SA" 526+45.57. RT (YELLOW), "SA" 525+17.78. LT (YELLOW), "SA" 518+43.00. LT (WHITE) — INSTALL MEDIAN NOSE MARKINGS. PER USDCCA DWG NO. 248.

⑪ "SA" 517+00.00. RT TO "SA" 523+81.00. RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA)

"SA" 526+50.00. RT TO "SA" 529+00.00. RT

"SA" 527+90.00. LT TO "SA" 529+00.00. LT

"SA" 517+00.00. LT TO "SA" 525+16.00. LT

⑫ "SA" 520+55.00. RT, "SA" 526+60.00. RT, "SA" 525+06.00. LT, "SA" 518+45.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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Call 811 before you UnderGround 1-800-227-2600 — FAST 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 517+00 to "SA" 529+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

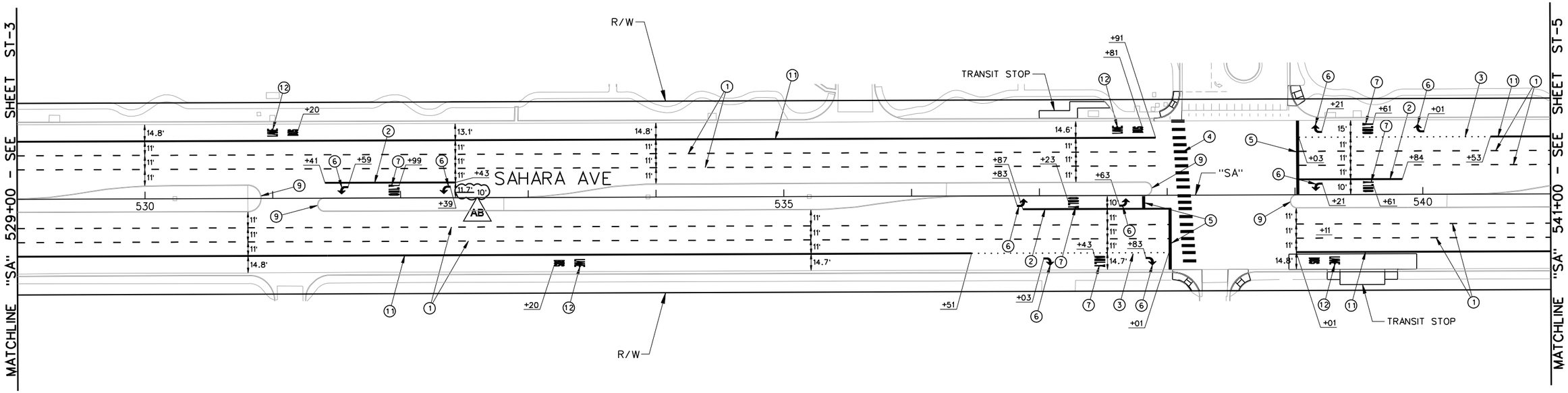
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-3

Sheet 253 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

① "SA" 529+00.00, RT TO "SA" 538+01.00, RT — TO INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 529+00.00, RT TO "SA" 538+01.00, RT
"SA" 539+01.00, RT TO "SA" 541+00.00, RT
"SA" 539+01.00, RT TO "SA" 541+00.00, RT
"SA" 539+03.00, LT TO "SA" 541+00.00, LT
"SA" 539+03.00, LT TO "SA" 541+00.00, LT
"SA" 529+00.00, LT TO "SA" 537+91.00, LT
"SA" 529+00.00, LT TO "SA" 537+91.00, LT

② "SA" 536+87.00, RT TO "SA" 538+01.00, RT — TO INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 539+03.00, LT TO "SA" 539+84.00, LT
"SA" 531+41.00, LT TO "SA" 532+43.00, LT

③ "SA" 536+51.00, RT TO "SA" 538+01.00, RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.
"SA" 539+03.00, LT TO "SA" 540+53.00, LT

④ INSTALL CROSSWALKS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑤ INSTALL STOP BARS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

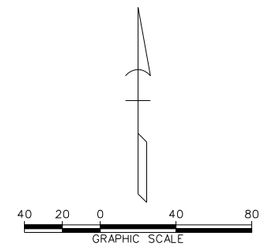
⑥ "SA" 536+83.00, RT; "SA" 537+63.00, RT; "SA" 539+21.00, LT; "SA" 531+59.00, LT; "SA" 532+39.00, LT; "SA" 537+03.00, RT; "SA" 537+83.00, RT; "SA" 539+21.00, LT; "SA" 540+01.00, LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 537+23.00, RT; "SA" 539+61.00, LT; "SA" 531+99.00, LT; "SA" 537+43.00, RT; "SA" 539+61.00, LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑨ "SA" 530+90.89, LT (YELLOW); "SA" 538+96.37, RT (YELLOW); "SA" 537+88.13, LT (YELLOW); "SA" 531+35.00, RT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 529+00.00, RT TO "SA" 536+51.00, RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).
"SA" 539+01.00, RT TO "SA" 541+00.00, RT
"SA" 540+53.00, LT TO "SA" 541+00.00, LT
"SA" 529+00.00, LT TO "SA" 537+91.00, LT

⑫ "SA" 533+20.00, RT; "SA" 539+11.00, RT; "SA" 537+81.00, LT; "SA" 531+20.00, LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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FAST Call before you UnderGround 1-702-432-5300 Freeway and Arterial System of Transportation
Avoid hitting overhead power lines. It's cool! Call before you do overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 517+00 to "SA" 541+00

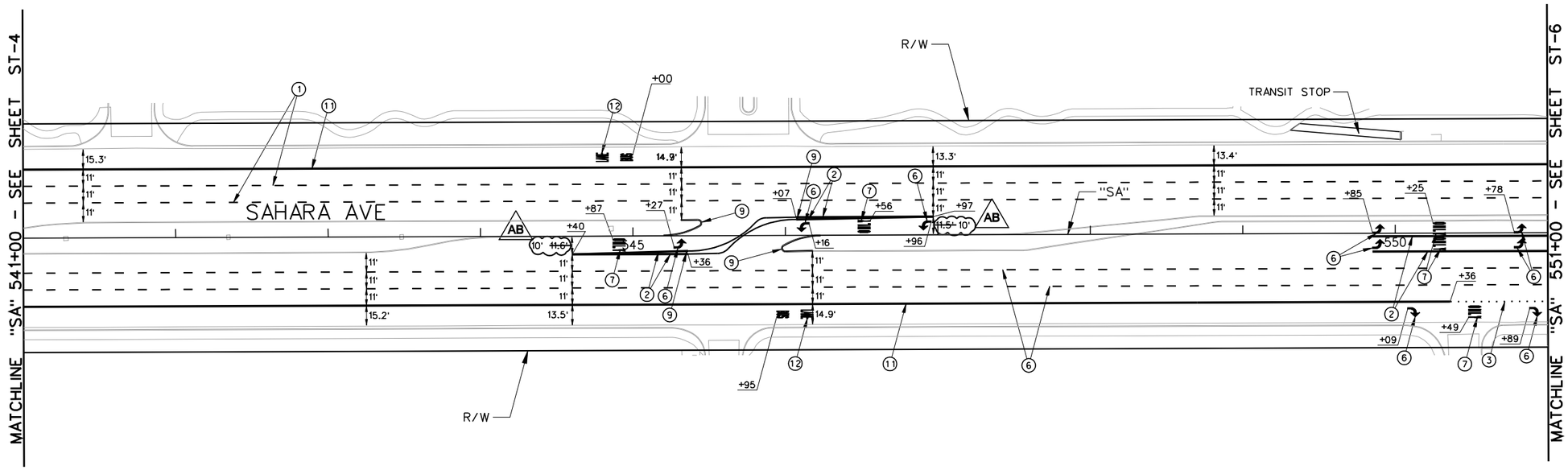
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

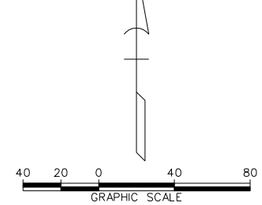
PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE	
HORIZ :	AS SHOWN
VERT :	NONE
FIELD BOOK :	NONE

SHEET No. ST-4





STRIPING CONSTRUCTION ITEMS:

① "SA" 541+00.00. RT TO "SA" 551+00.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 541+00.00. RT TO "SA" 551+00.00. RT
"SA" 541+00.00. LT TO "SA" 551+00.00. LT
"SA" 541+00.00. LT TO "SA" 551+00.00. LT

② "SA" 544+40.00. RT TO "SA" 545+36.00. RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 544+40.00. RT TO "SA" 545+36.00. RT
"SA" 549+85.00. RT TO "SA" 551+00.00. RT
"SA" 549+85.00. RT TO "SA" 551+00.00. RT
"SA" 546+07.00. LT TO "SA" 546+97.00. LT
"SA" 546+07.00. LT TO "SA" 546+97.00. LT

③ "SA" 550+36.00. RT TO "SA" 551+00.00. RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.

⑥ "SA" 545+27.00. RT, "SA" 549+85.00. RT, "SA" 549+85.00. LT, "SA" 550+78.00. RT, "SA" 550+78.00. LT, "SA" 546+16.00. LT, "SA" 546+96.00. LT, "SA" 550+09.00. RT, "SA" 550+89.00. RT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 544+87.00. RT, "SA" 550+25.00. RT, "SA" 550+25.00. LT, "SA" 546+56.00. LT, "SA" 550+49.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑨ "SA" 545+36.88. LT (YELLOW), "SA" 546+13.04. RT (YELLOW), "SA" 545+35.00. RT (WHITE), "SA" 546+07.00. LT (WHITE) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 541+00.00. RT TO "SA" 550+36.00. RT; "SA" 541+00.00. LT TO "SA" 551+00.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).

⑫ "SA" 545+95.00. RT, "SA" 545+00.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
ACCD HITTING OVERHEAD POWER LINES, IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 541+00 to "SA" 551+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

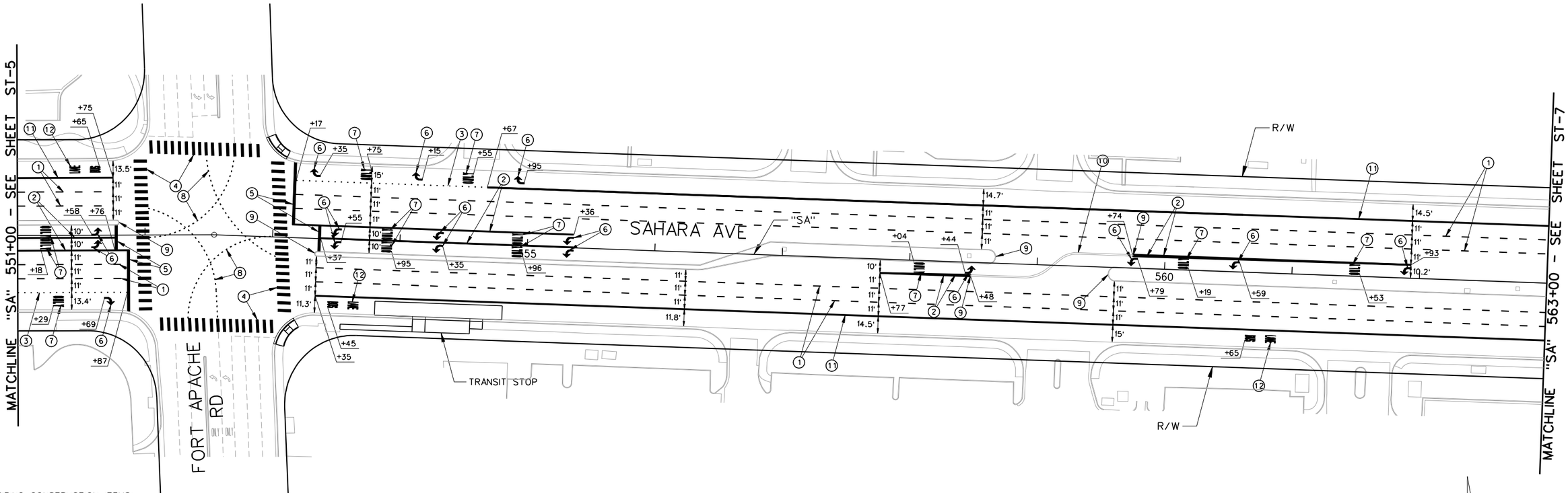
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-5

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

① "SA" 551+00.00, RT TO "SA" 551+87.00, RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 551+00.00, RT TO "SA" 551+87.00, RT
"SA" 553+35.00, RT TO "SA" 563+00.00, RT
"SA" 553+35.00, RT TO "SA" 563+00.00, RT
"SA" 553+17.00, LT TO "SA" 563+00.00, LT
"SA" 553+17.00, LT TO "SA" 563+00.00, LT
"SA" 551+00.00, LT TO "SA" 551+75.00, LT
"SA" 551+00.00, LT TO "SA" 551+75.00, LT

② "SA" 551+00.00, RT TO "SA" 551+87.00, RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 551+00.00, RT TO "SA" 551+76.00, RT
"SA" 557+77.00, RT TO "SA" 558+48.00, RT
"SA" 557+77.00, RT TO "SA" 558+48.00, RT
"SA" 559+74.00, LT TO "SA" 561+93.00, LT
"SA" 559+74.00, LT TO "SA" 561+93.00, LT
"SA" 553+37.00, LT TO "SA" 555+36.00, LT
"SA" 553+17.00, LT TO "SA" 555+36.00, LT

③ "SA" 551+00.00, RT TO "SA" 551+87.00, RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). USE DETAIL ON SHEET ST-51.
"SA" 553+17.00, LT TO "SA" 554+67.00, LT

④ INSTALL CROSSWALKS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑤ INSTALL STOP BARS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑥ "SA" 551+58.00, RT / "SA" 551+58.00, LT / "SA" 558+44.00, RT / "SA" 561+93.00, LT / "SA" 560+59.00, LT / "SA" 559+79.00, LT / "SA" 555+36.00, RT / "SA" 555+36.00, LT / "SA" 554+35.00, RT / "SA" 554+35.00, LT / "SA" 553+55.00, RT / "SA" 553+55.00, LT / "SA" 551+69.00, RT / "SA" 553+35.00, LT / "SA" 554+15.00, LT / "SA" 554+95.00, LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 551+18.00, RT / "SA" 551+18.00, LT / "SA" 558+04.00, RT / "SA" 561+53.00, LT / "SA" 560+19.00, LT / "SA" 554+96.00, RT / "SA" 554+96.00, LT / "SA" 553+95.00, RT / "SA" 553+95.00, LT / "SA" 551+29.00, RT / "SA" 553+75.00, LT / "SA" 554+55.00, LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑧ INSTALL CAT TRACKS AS SHOWN. SEE DETAILS ON SHEET ST-52.

⑨ "SA" 553+33.44, RT (YELLOW) / "SA" 558+48.11, RT (WHITE) / "SA" 559+55.89, LT (YELLOW) / "SA" 559+74.59, LT (WHITE) / "SA" 558+67.38, LT (YELLOW) / "SA" 551+79.74, LT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑩ "SA" 558+47.00, RT TO "SA" 559+74.95, LT — PAINT MEDIAN ISLAND REFLECTIVE WHITE. SEE DETAIL ON SHEET ST-51.

⑪ "SA" 553+35.00, RT TO "SA" 563+00.00, RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).
"SA" 554+67.00, LT TO "SA" 563+00.00, LT
"SA" 551+00.00, LT TO "SA" 551+75.00, LT

⑫ "SA" 553+45.00, RT / "SA" 560+65.00, RT / "SA" 551+65.00, LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

40 20 0 40 80
GRAPHIC SCALE

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 551+00 to "SA" 563+00

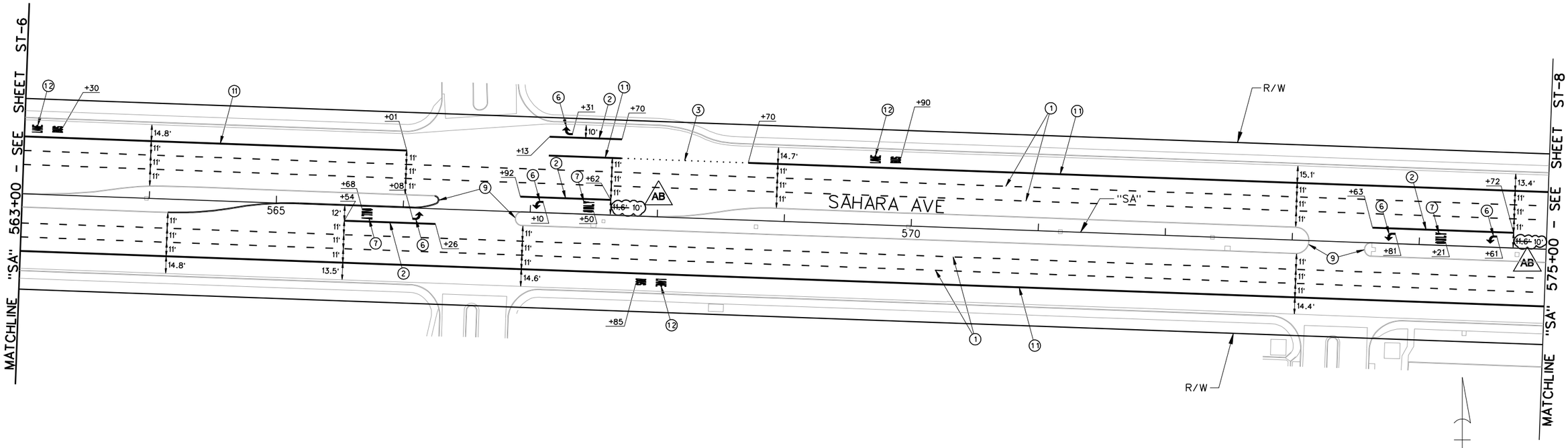
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

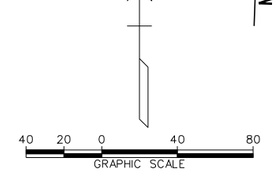
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-6





SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

①	"SA" 563+00.00, RT TO "SA" 575+00.00, RT	INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
	"SA" 563+00.00, RT TO "SA" 575+00.00, RT	
	"SA" 563+00.00, LT TO "SA" 575+00.00, LT	
	"SA" 563+00.00, LT TO "SA" 575+00.00, LT	
②	"SA" 565+54.00, RT TO "SA" 566+26.00, RT	INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
	"SA" 573+63.00, LT TO "SA" 574+72.00, LT	
	"SA" 566+92.00, LT TO "SA" 567+62.00, LT	
	"SA" 567+13.00, LT TO "SA" 567+70.00, LT	
③	"SA" 567+70.00, LT TO "SA" 568+70.00, LT	INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). USE DETAIL ON SHEET ST-51.
⑥	"SA" 566+08.00, RT "SA" 574+61.00, LT "SA" 573+81.00, LT "SA" 567+10.00, LT "SA" 567+31.00, LT	INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.
⑦	"SA" 565+68.00, RT "SA" 574+21.00, LT "SA" 567+50.00, LT	INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.
⑨	"SA" 566+27.88, LT (YELLOW) "SA" 573+65.12, RT (YELLOW) "SA" 573+13.37, LT (YELLOW) "SA" 566+27.77, LT (YELLOW)	INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.
⑪	"SA" 563+00.00, RT TO "SA" 575+00.00, RT	INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).
	"SA" 563+00.00, LT TO "SA" 566+01.00, LT	
	"SA" 567+13.00, LT TO "SA" 567+70.00, LT	
	"SA" 568+70.00, LT TO "SA" 575+00.00, LT	
⑫	"SA" 577+85.00, RT "SA" 569+90.00, LT "SA" 563+30.00, LT	INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 563+00 to "SA" 575+00

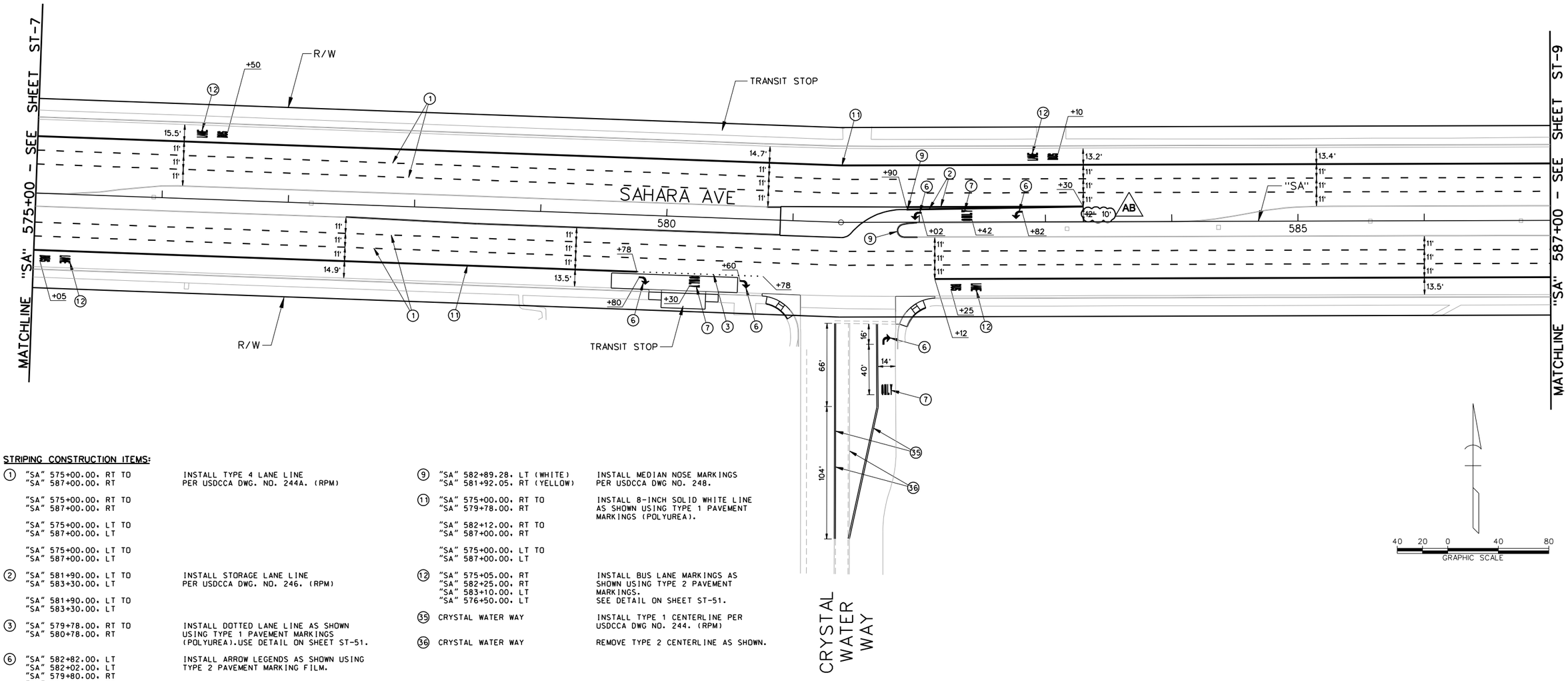
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RFP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-7



STRIPING CONSTRUCTION ITEMS:

①	"SA" 575+00.00, RT TO "SA" 587+00.00, RT	INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
	"SA" 575+00.00, RT TO "SA" 587+00.00, RT	
	"SA" 575+00.00, LT TO "SA" 587+00.00, LT	
	"SA" 575+00.00, LT TO "SA" 587+00.00, LT	
②	"SA" 581+90.00, LT TO "SA" 583+30.00, LT	INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
	"SA" 581+90.00, LT TO "SA" 583+30.00, LT	
③	"SA" 579+78.00, RT TO "SA" 580+78.00, RT	INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).USE DETAIL ON SHEET ST-51.
⑥	"SA" 582+82.00, LT " " 582+02.00, LT "SA" 579+80.00, RT "SA" 580+60.00, RT CRYSTAL WATER WAY	INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.
⑦	"SA" 582+42.00, LT "SA" 580+20.00, RT CRYSTAL WATER WAY	INSTALL ONLY LEGENDS AS SHOWN PAVEMENT MARKING FILM.
⑨	"SA" 582+89.28, LT (WHITE) "SA" 581+92.05, RT (YELLOW)	INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.
⑪	"SA" 575+00.00, RT TO "SA" 579+78.00, RT	INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).
	"SA" 582+12.00, RT TO "SA" 587+00.00, RT	
	"SA" 575+00.00, LT TO "SA" 587+00.00, LT	
⑫	"SA" 575+05.00, RT "SA" 582+25.00, RT "SA" 583+10.00, LT "SA" 576+50.00, LT	INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.
㉟	CRYSTAL WATER WAY	INSTALL TYPE 1 CENTERLINE PER USDCCA DWG NO. 244. (RPM)
㊱	CRYSTAL WATER WAY	REMOVE TYPE 2 CENTERLINE AS SHOWN.

AS-BUILT

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NOTES:

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Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 575+00 to "SA" 587+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RFP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

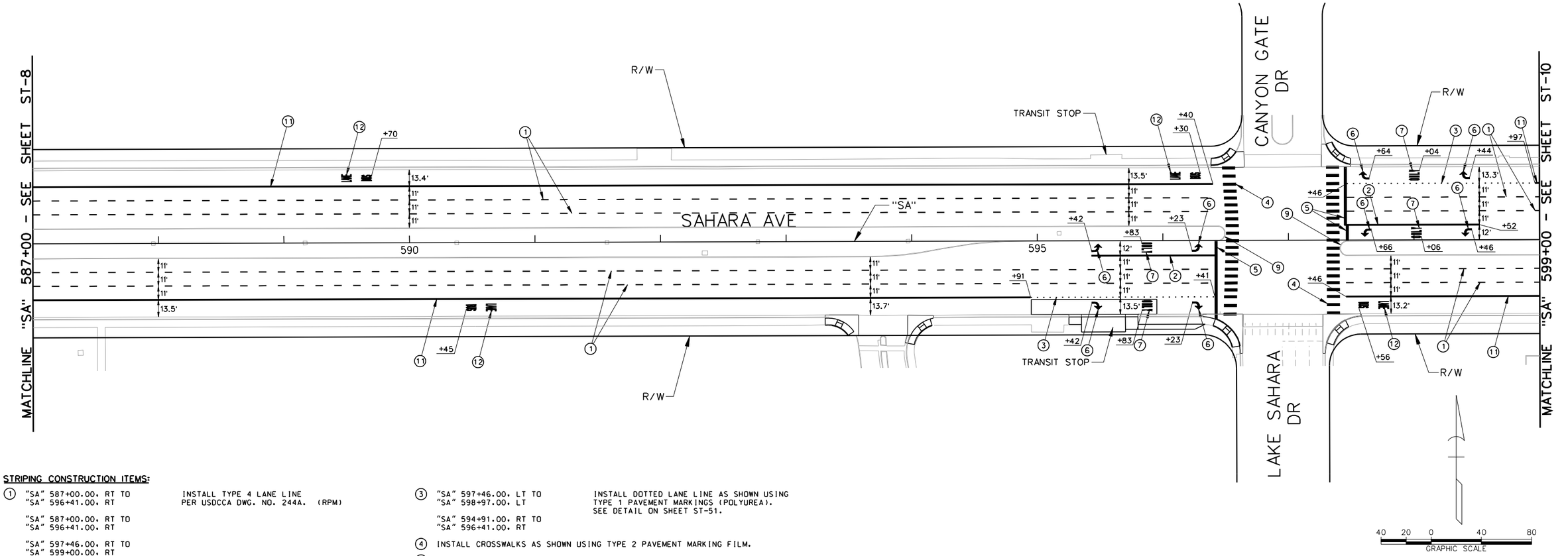
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-8

Sheet 258 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

① "SA" 587+00.00, RT TO "SA" 596+41.00, RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 587+00.00, RT TO "SA" 596+41.00, RT
"SA" 597+46.00, RT TO "SA" 599+00.00, RT
"SA" 597+46.00, RT TO "SA" 599+00.00, RT
"SA" 597+46.00, LT TO "SA" 599+00.00, LT
"SA" 597+46.00, LT TO "SA" 599+00.00, LT
"SA" 587+00.00, LT TO "SA" 596+40.00, LT
"SA" 587+00.00, LT TO "SA" 596+40.00, LT

② "SA" 595+42.00, RT TO "SA" 596+41.00, RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 597+46.00, LT TO "SA" 598+52.00, LT

③ "SA" 597+46.00, LT TO "SA" 598+97.00, LT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.
"SA" 594+91.00, RT TO "SA" 596+41.00, RT

④ INSTALL CROSSWALKS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑤ INSTALL STOP BARS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑥ "SA" 595+42.00, RT; "SA" 596+23.00, RT; "SA" 595+42.00, RT; "SA" 596+23.00, RT; "SA" 598+46.00, LT; "SA" 597+66.00, LT; "SA" 598+44.00, LT; "SA" 597+64.00, LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 595+83.00, RT; "SA" 598+06.00, LT; "SA" 595+83.00, RT; "SA" 596+04.00, LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑨ "SA" 596+49.78, LT (YELLOW); "SA" 597+41.00, RT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 587+00.00, RT TO "SA" 594+91.00, RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).
"SA" 597+46.00, RT TO "SA" 599+00.00, RT
"SA" 587+00.00, LT TO "SA" 596+40.00, LT

⑫ "SA" 589+45.00, RT; "SA" 597+56.00, RT; "SA" 596+30.00, LT; "SA" 589+70.00, LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

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1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 587+00 to "SA" 599+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

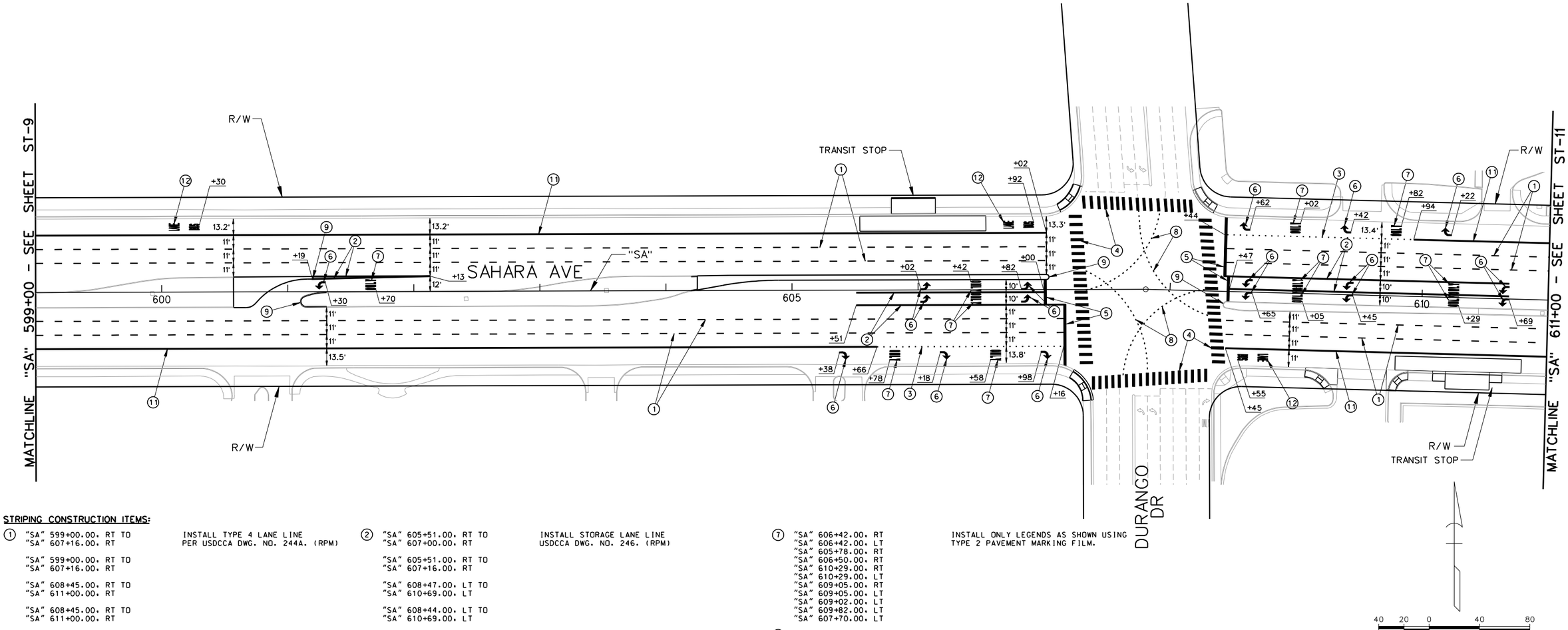
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-9

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

① "SA" 599+00.00. RT TO "SA" 607+16.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)

"SA" 599+00.00. RT TO "SA" 607+16.00. RT

"SA" 608+45.00. RT TO "SA" 611+00.00. RT

"SA" 608+45.00. RT TO "SA" 611+00.00. RT

"SA" 608+44.00. LT TO "SA" 611+00.00. LT

"SA" 608+44.00. LT TO "SA" 611+00.00. LT

"SA" 599+00.00. LT TO "SA" 607+02.00. LT

"SA" 599+00.00. LT TO "SA" 607+02.00. LT

② "SA" 605+51.00. RT TO "SA" 607+00.00. RT — INSTALL STORAGE LANE LINE USDCCA DWG. NO. 246. (RPM)

"SA" 605+51.00. RT TO "SA" 607+16.00. RT

"SA" 608+47.00. LT TO "SA" 610+69.00. LT

"SA" 608+44.00. LT TO "SA" 610+69.00. LT

"SA" 601+19.00. LT TO "SA" 602+13.00. LT

③ "SA" 605+66.00. RT TO "SA" 607+16.00. RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.

"SA" 608+44.00. LT TO "SA" 609+94.00. LT

④ INSTALL CROSSWALKS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑤ INSTALL STOP BARS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑥ "SA" 606+02.00. RT, "SA" 606+02.00. LT, "SA" 606+82.00. RT, "SA" 606+82.00. LT, "SA" 610+69.00. RT, "SA" 610+69.00. LT, "SA" 605+38.00. RT, "SA" 605+18.00. RT, "SA" 606+98.00. RT, "SA" 609+45.00. LT, "SA" 609+45.00. RT, "SA" 608+65.00. RT, "SA" 608+65.00. LT, "SA" 601+30.00. LT, "SA" 608+62.00. LT, "SA" 609+42.00. LT, "SA" 610+22.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 606+42.00. RT, "SA" 606+42.00. LT, "SA" 605+78.00. RT, "SA" 606+50.00. RT, "SA" 610+29.00. RT, "SA" 610+29.00. LT, "SA" 609+05.00. RT, "SA" 609+05.00. LT, "SA" 609+02.00. LT, "SA" 609+82.00. LT, "SA" 607+70.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑧ INSTALL CAT TRACKS AS SHOWN. SEE DETAILS ON SHEET ST-52.

⑨ "SA" 601+18.43. LT (WHITE), "SA" 601+24.48. RT (YELLOW), "SA" 607+04.00. LT (YELLOW), "SA" 608+43.00. RT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 599+00.00. RT TO "SA" 605+66.00. RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).

"SA" 608+45.00. RT TO "SA" 611+00.00. RT

"SA" 609+94.00. LT TO "SA" 611+00.00. LT

"SA" 599+00.00. LT TO "SA" 607+02.00. LT

⑫ "SA" 608+55.00. RT, "SA" 604+92.00. LT, "SA" 600+30.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 OR 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY.

FAST — Call before you UnderGround 1-702-432-5300 — PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD — AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY. 1-702-227-2929

NOTES:

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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 599+00 to "SA" 611+00

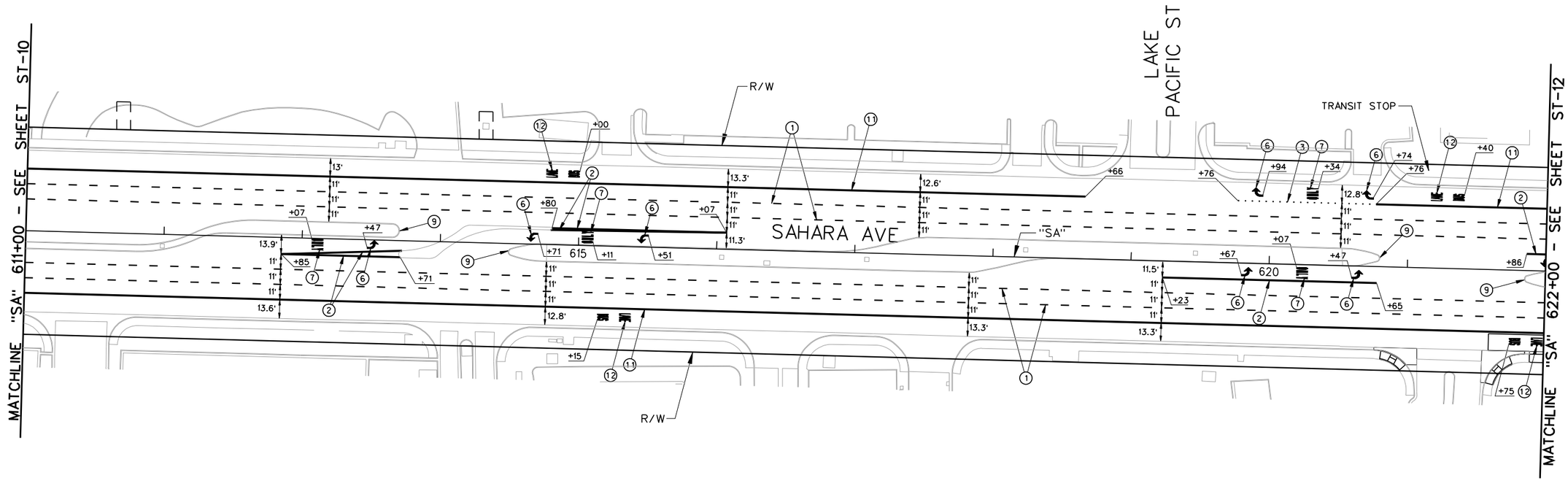
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-10



STRIPING CONSTRUCTION ITEMS:

① "SA" 611+00.00. RT TO "SA" 622+00.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 611+00.00. RT TO "SA" 622+00.00. RT
"SA" 611+00.00. LT TO "SA" 622+00.00. LT
"SA" 611+00.00. LT TO "SA" 622+00.00. LT

② "SA" 612+85.00. RT TO "SA" 613+71.00. RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 612+85.00. RT TO "SA" 613+72.00. RT
"SA" 619+23.00. RT TO "SA" 620+65.00. RT
"SA" 621+86.00. LT TO "SA" 622+00.00. LT
"SA" 614+80.00. LT TO "SA" 616+07.00. LT
"SA" 614+80.00. LT TO "SA" 616+07.00. LT

③ "SA" 619+76.00. LT TO "SA" 620+76.00. LT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.

⑥ "SA" 613+47.00. RT, "SA" 619+67.00. RT, "SA" 620+47.00. RT, "SA" 615+51.00. LT, "SA" 614+71.00. LT, "SA" 619+94.00. LT, "SA" 620+74.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 613+07.00. RT, "SA" 620+07.00. RT, "SA" 615+11.00. LT, "SA" 620+34.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑨ "SA" 613+70.33. LT (YELLOW), "SA" 614+49.21. RT (YELLOW), "SA" 620+79.97. LT (YELLOW), "SA" 621+84.87. RT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 611+00.00. RT TO "SA" 622+00.00. RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).
"SA" 611+00.00. LT TO "SA" 618+66.00. LT
"SA" 620+76.00. LT TO "SA" 622+00.00. LT

⑫ "SA" 614+15.00. RT, "SA" 621+75.00. RT, "SA" 621+40.00. LT, "SA" 615+00.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:
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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

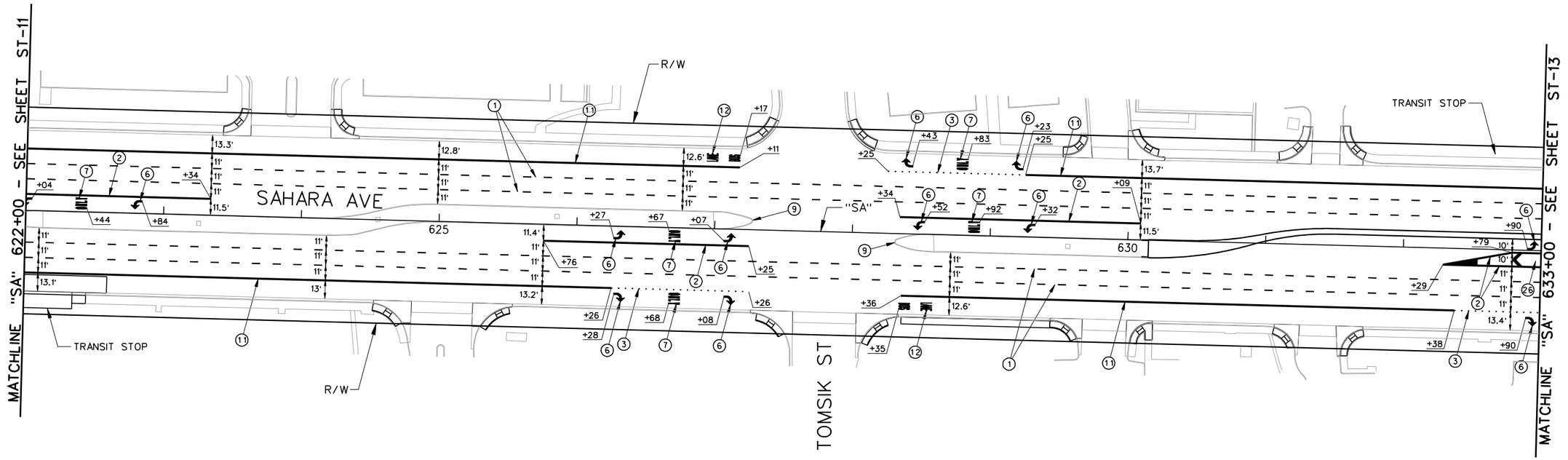
SAHARA AVENUE BUS RAPID TRANSIT PROJECT
STRIPING PLAN
"SA" 611+00 to "SA" 622+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

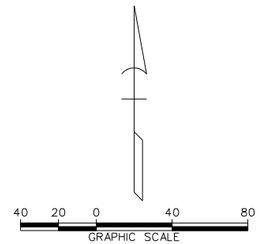
PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-11





STRIPING CONSTRUCTION ITEMS:

① "SA" 622+00.00, RT TO "SA" 633+00.00, RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 622+00.00, RT TO "SA" 633+00.00, RT
"SA" 622+00.00, LT TO "SA" 633+00.00, LT
"SA" 622+00.00, LT TO "SA" 633+00.00, LT

② "SA" 625+76.00, RT TO "SA" 627+25.00, RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 632+79.00, RT TO "SA" 633+00.00, 02.00' RT
"SA" 622+29.00, RT TO "SA" 633+00.00, RT
"SA" 628+34.00, LT TO "SA" 630+09.00, LT
"SA" 622+00.00, LT TO "SA" 623+34.00, LT

③ "SA" 632+38.00, LT TO "SA" 633+00.00, LT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.
"SA" 626+26.00, RT TO "SA" 627+26.00, RT
"SA" 628+25.00, LT TO "SA" 629+25.00, LT

⑥ "SA" 626+27.00, RT; "SA" 627+07.00, RT; "SA" 626+28.00, RT; "SA" 627+08.00, RT; "SA" 632+90.00, LT; "SA" 632+40.00, RT; "SA" 629+32.00, LT; "SA" 628+52.00, LT; "SA" 628+43.00, LT; "SA" 629+23.00, LT; "SA" 622+84.00, LT; "SA" 622+04.00, LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM. PER USDCCA DWG NO. 246.

⑦ "SA" 626+67.00, RT; "SA" 626+68.00, RT; "SA" 628+92.00, LT; "SA" 622+44.00, LT; "SA" 628+83.00, LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑨ "SA" 627+27.37, LT (YELLOW); "SA" 628+30.82, RT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 622+00.00, RT TO "SA" 626+26.00, RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).
"SA" 628+36.00, RT TO "SA" 632+38.00, RT
"SA" 629+25.00, LT TO "SA" 633+00.00, LT
"SA" 622+00.00, LT TO "SA" 627+11.00, LT

⑫ "SA" 628+35.00, RT; "SA" 627+17.00, LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

㉖ "SA" 632+29.00, RT TO "SA" 633+00.00, RT — INSTALL CHEVRON MARKINGS (24-INCH SOLID WHITE) AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). SEE DETAIL ON SHEET ST-51.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:
1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
STRIPING PLAN
"SA" 622+00 to "SA" 633+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

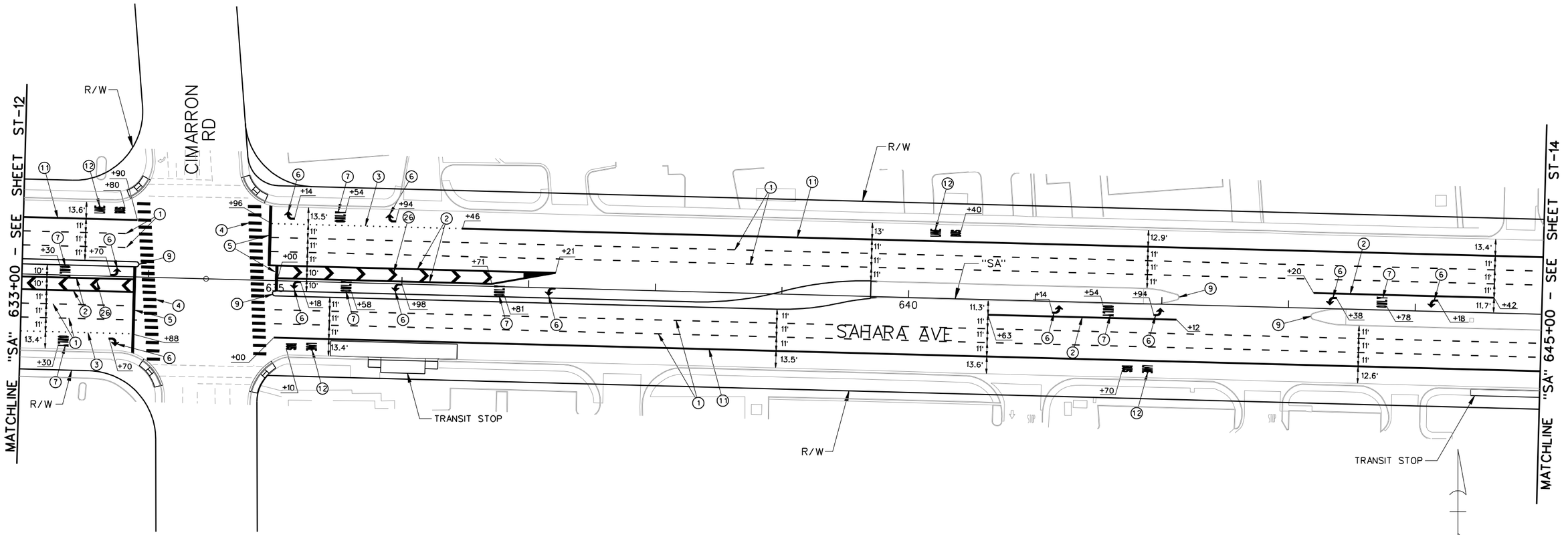
PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-12

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012





SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

① "SA" 633+00.00. RT TO "SA" 633+88.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 633+00.00. RT TO "SA" 633+88.00. RT
"SA" 635+00.00. RT TO "SA" 645+00.00. RT
"SA" 635+00.00. RT TO "SA" 645+00.00. RT
"SA" 634+96.00. LT TO "SA" 645+00.00. LT
"SA" 634+96.00. LT TO "SA" 645+00.00. LT
"SA" 633+00.00. LT TO "SA" 633+90.00. LT
"SA" 633+00.00. LT TO "SA" 633+90.00. LT

② "SA" 633+00.00. RT TO "SA" 633+88.00. RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 633+00.00. RT TO "SA" 633+88.00. RT
"SA" 640+63.00. RT TO "SA" 642+12.00. RT
"SA" 643+20.00. LT TO "SA" 644+42.00. LT
"SA" 635+00.00. LT TO "SA" 637+21.00. LT
"SA" 634+96.00. LT TO "SA" 637+71.00. LT

③ "SA" 633+00.00. RT TO "SA" 633+88.00. RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.
"SA" 634+96.00. LT TO "SA" 636+46.00. LT

④ INSTALL CROSSWALKS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑤ INSTALL STOP BARS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑥ "SA" 633+70.00. LT, "SA" 633+70.00. RT, "SA" 641+14.00. RT, "SA" 641+94.00. RT, "SA" 644+18.00. LT, "SA" 643+38.00. LT, "SA" 637+21.00. RT, "SA" 635+98.00. RT, "SA" 635+18.00. RT, "SA" 635+14.00. LT, "SA" 635+94.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM. PER USDCCA DWG NO. 246.

⑦ "SA" 633+40.00. LT, "SA" 633+30.00. RT, "SA" 641+54.00. RT, "SA" 643+78.00. LT, "SA" 637+81.00. RT, "SA" 636+58.00. RT, "SA" 635+54.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑨ "SA" 633+92.00. LT (YELLOW), "SA" 634+98.00. RT (YELLOW), "SA" 642+13.23. LT (YELLOW), "SA" 643+17.73. RT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 635+00.00. RT TO "SA" 645+00.00. RT
"SA" 636+46.00. RT TO "SA" 645+00.00. RT
"SA" 633+00.00. LT TO "SA" 633+90.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).

⑫ "SA" 635+10.00. RT, "SA" 641+70.00. RT, "SA" 640+40.00. LT, "SA" 633+80.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

㉖ "SA" 633+00.00. RT TO "SA" 633+88.00. RT
"SA" 635+00.00. LT TO "SA" 637+21.00. LT — INSTALL CHEVRON MARKINGS (24 INCH SOLID WHITE) AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). SEE DETAIL ON SHEET ST-51.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 633+00 to "SA" 645+00

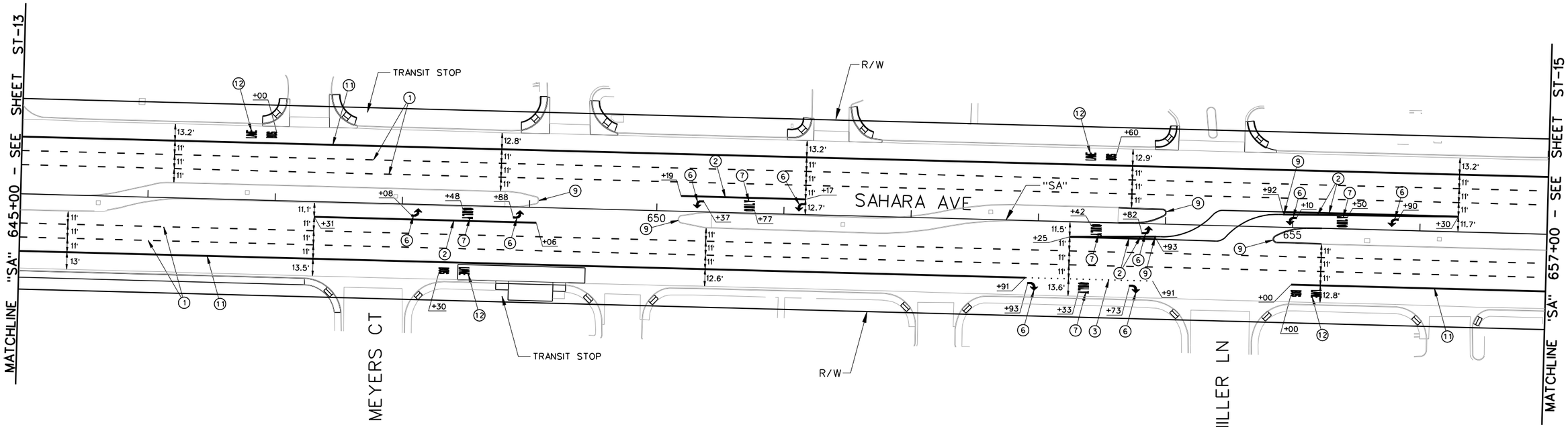
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-13



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

① "SA" 645+00.00. RT TO "SA" 657+00.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 645+00.00. RT TO "SA" 657+00.00. RT
"SA" 645+00.00. LT TO "SA" 657+00.00. LT
"SA" 645+00.00. LT TO "SA" 657+00.00. LT

② "SA" 647+31.00. RT TO "SA" 649+06.00. RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 653+25.00. RT TO "SA" 653+98.00. RT
"SA" 653+25.00. RT TO "SA" 653+98.00. RT
"SA" 654+92.00. LT TO "SA" 656+30.00. LT
"SA" 654+92.00. LT TO "SA" 656+30.00. LT
"SA" 650+19.00. LT TO "SA" 651+17.00. LT

③ "SA" 652+91.00. RT TO "SA" 653+91.00. RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.

⑥ "SA" 648+08.00. RT, "SA" 648+88.00. RT, "SA" 653+82.00. RT, "SA" 653+73.00. RT, "SA" 652+93.00. RT, "SA" 655+90.00. LT, "SA" 655+10.00. LT, "SA" 651+17.00. LT, "SA" 650+37.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM. PER USDCCA DWG NO. 246.

⑦ "SA" 658+48.00. RT, "SA" 653+42.00. RT, "SA" 653+33.00. RT, "SA" 655+50.00. LT, "SA" 650+77.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑨ "SA" 649+07.18. LT (YELLOW), "SA" 650+17.11. RT (YELLOW), "SA" 653+90.20. LT (YELLOW), "SA" 653+92.00. RT (WHITE), "SA" 654+91.00. LT (WHITE), "SA" 654+94.75. RT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 645+00.00. RT TO "SA" 652+91.00. RT
"SA" 655+00.00. RT TO "SA" 657+00.00. RT
"SA" 645+00.00. LT TO "SA" 657+00.00. LT
— INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).

⑫ "SA" 648+30.00. RT, "SA" 655+00.00. RT, "SA" 653+60.00. LT, "SA" 647+00.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 645+00 to "SA" 657+00

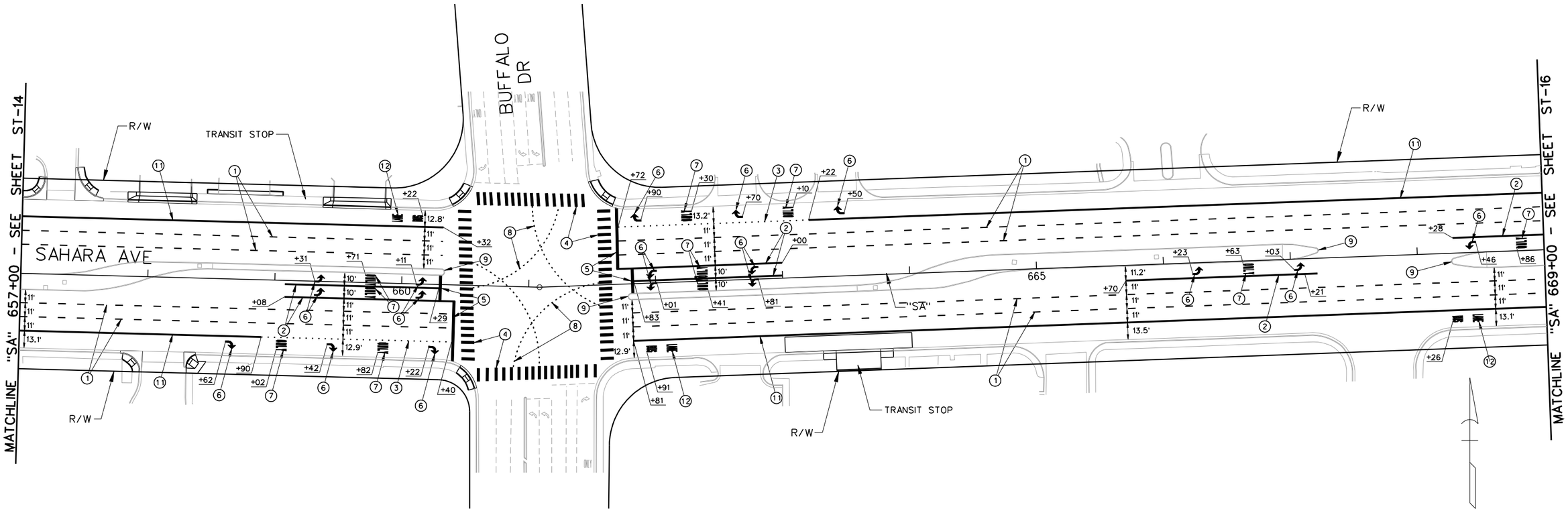
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-14



STRIPING CONSTRUCTION ITEMS:

(1) "SA" 657+00.00. RT TO "SA" 660+40.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 657+00.00. RT TO "SA" 660+40.00. RT
"SA" 661+81.00. RT TO "SA" 669+00.00. RT
"SA" 661+81.00. RT TO "SA" 669+00.00. RT
"SA" 661+72.00. LT TO "SA" 669+00.00. LT
"SA" 661+72.00. LT TO "SA" 669+00.00. LT
"SA" 657+00.00. LT TO "SA" 660+32.00. LT
"SA" 657+00.00. LT TO "SA" 660+32.00. LT

(2) "SA" 659+08.00. RT TO "SA" 660+29.00. RT — INSTALL STORAGE LANE LINE USDCCA DWG. NO. 246. (RPM)
"SA" 659+08.00. RT TO "SA" 660+40.00. RT
"SA" 665+70.00. RT TO "SA" 667+21.00. RT
"SA" 668+28.00. LT TO "SA" 669+00.00. LT
"SA" 661+83.00. LT TO "SA" 663+00.00. LT
"SA" 661+72.00. LT TO "SA" 663+00.00. LT

(3) "SA" 658+90.00. RT TO "SA" 660+40.00. RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.
"SA" 661+72.00. LT TO "SA" 663+22.00. LT

(4) INSTALL CROSSWALKS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

(5) INSTALL STOP BARS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

(6) "SA" 659+31.00. RT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.
"SA" 659+31.00. LT
"SA" 660+11.00. RT
"SA" 660+11.00. LT
"SA" 658+62.00. RT
"SA" 659+42.00. RT
"SA" 660+22.00. RT
"SA" 666+23.00. RT
"SA" 667+03.00. RT
"SA" 662+81.00. RT
"SA" 662+81.00. LT
"SA" 662+01.00. RT
"SA" 662+01.00. LT
"SA" 667+46.00. LT
"SA" 663+50.00. LT
"SA" 662+70.00. LT
"SA" 661+90.00. LT

(7) "SA" 659+71.00. RT
"SA" 659+71.00. LT
"SA" 659+02.00. RT
"SA" 659+82.00. RT
"SA" 666+63.00. RT
"SA" 662+41.00. RT
"SA" 662+41.00. LT
"SA" 668+86.00. LT
"SA" 663+10.00. LT
"SA" 662+40.00. LT
— INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

(8) INSTALL CAT TRACKS AS SHOWN. SEE DETAILS ON SHEET ST-52.

(9) "SA" 660+33.52. RT (YELLOW)
"SA" 661+77.87. RT (YELLOW)
"SA" 667+22.28. LT (YELLOW)
"SA" 668+26.67. RT (YELLOW)
— INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

(11) "SA" 657+00.00. RT TO "SA" 658+90.00. RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).
"SA" 661+81.00. RT TO "SA" 669+00.00. RT
"SA" 663+22.00. LT TO "SA" 669+00.00. LT
"SA" 657+00.00. LT TO "SA" 660+32.00. LT

(12) "SA" 661+91.00. RT
"SA" 668+26.00. RT
"SA" 660+22.00. LT
— INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES, ETC. CONTROL
CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 657+00 to "SA" 669+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

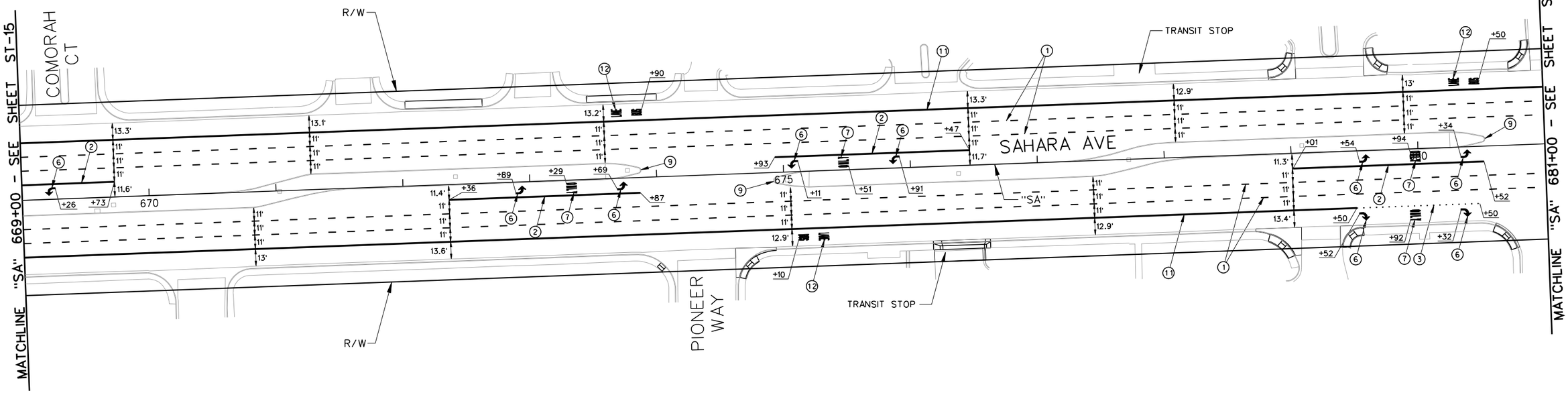
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

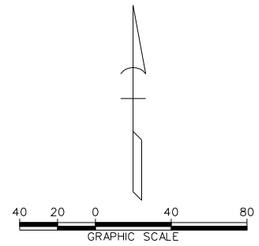
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-15

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





STRIPING CONSTRUCTION ITEMS:

① "SA" 669+00.00. RT TO "SA" 681+00.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 669+00.00. RT TO "SA" 681+00.00. RT
"SA" 669+00.00. LT TO "SA" 681+00.00. LT
"SA" 669+00.00. LT TO "SA" 681+00.00. LT

② "SA" 672+36.00. RT TO "SA" 673+87.00. RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 679+01.00. RT TO "SA" 680+52.00. RT
"SA" 674+93.00. LT TO "SA" 675+47.00. LT
"SA" 669+00.00. LT TO "SA" 669+73.00. LT

③ "SA" 679+50.00. RT TO "SA" 680+50.00. RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.

⑥ "SA" 672+89.00. RT, "SA" 673+69.00. RT, "SA" 679+54.00. RT, "SA" 680+34.00. RT, "SA" 679+52.00. RT, "SA" 680+32.00. RT, "SA" 675+91.00. LT, "SA" 675+11.00. LT, "SA" 669+26.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 673+29.00. RT, "SA" 679+94.00. RT, "SA" 679+92.00. RT, "SA" 675+51.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑨ "SA" 673+87.70. LT (YELLOW), "SA" 674+92.00. RT (YELLOW), "SA" 680+52.96. LT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 669+00.00. RT TO "SA" 679+50.00. RT; "SA" 669+00.00. LT TO "SA" 681+00.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).

⑫ "SA" 675+10.00. RT, "SA" 680+50.00. LT, "SA" 673+90.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

AS-BUILT

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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 669+00 to "SA" 681+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

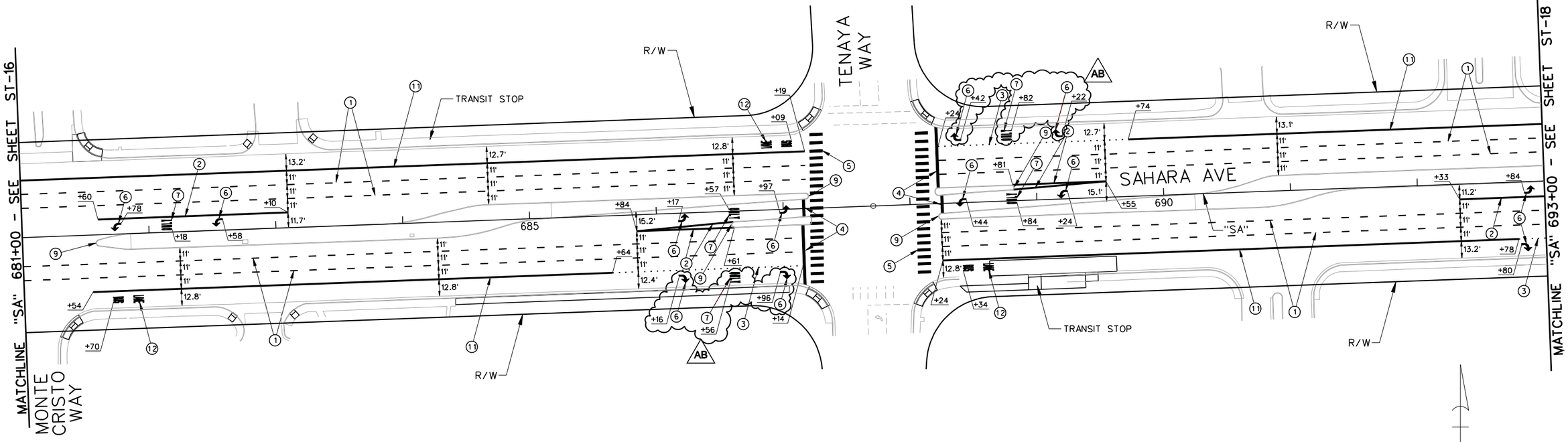
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-16

Sheet 266 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

① "SA" 681+00.00. RT TO "SA" 687+14.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 681+00.00. RT TO "SA" 687+14.00. RT
"SA" 688+24.00. RT TO "SA" 693+00.00. RT
"SA" 688+24.00. RT TO "SA" 693+00.00. RT
"SA" 688+24.00. LT TO "SA" 693+00.00. LT
"SA" 688+24.00. LT TO "SA" 693+00.00. LT
"SA" 681+00.00. LT TO "SA" 687+19.00. LT
"SA" 681+00.00. LT TO "SA" 687+19.00. LT

② "SA" 683+84.00. RT TO "SA" 686+61.00. RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 683+84.00. RT TO "SA" 686+61.00. RT
"SA" 692+33.00. RT TO "SA" 693+00.00. RT
"SA" 688+81.00. LT TO "SA" 698+55.00. LT
"SA" 688+81.00. LT TO "SA" 698+55.00. LT
"SA" 681+60.00. LT TO "SA" 683+10.00. LT

③ "SA" 685+64.00. RT TO "SA" 687+14.00. RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.
"SA" 688+24.00. LT TO "SA" 689+74.00. LT
"SA" 692+78.00. RT TO "SA" 693+00.00. RT

④ INSTALL CROSSWALKS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑤ INSTALL STOP BARS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑥ "SA" 686+17.00. RT, "SA" 686+97.00. RT, "SA" 692+84.00. RT, "SA" 692+78.00. RT, "SA" 689+24.00. LT, "SA" 688+44.00. LT, "SA" 682+58.00. LT, "SA" 681+78.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 686+57.00. RT, "SA" 688+84.00. LT, "SA" 683+18.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑨ "SA" 681+58.00. RT (YELLOW), "SA" 686+58.78. RT (WHITE), "SA" 687+20.41. LT (YELLOW), "SA" 688+22.05. RT (YELLOW), "SA" 688+82.61. LT (WHITE) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 681+54.00. RT TO "SA" 685+64.00. RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).
"SA" 688+24.00. RT TO "SA" 692+78.00. RT
"SA" 698+74.00. LT TO "SA" 693+00.00. LT
"SA" 681+00.00. LT TO "SA" 687+19.00. LT

⑫ "SA" 681+70.00. RT, "SA" 688+34.00. RT, "SA" 687+09.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 681+00 to "SA" 693+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

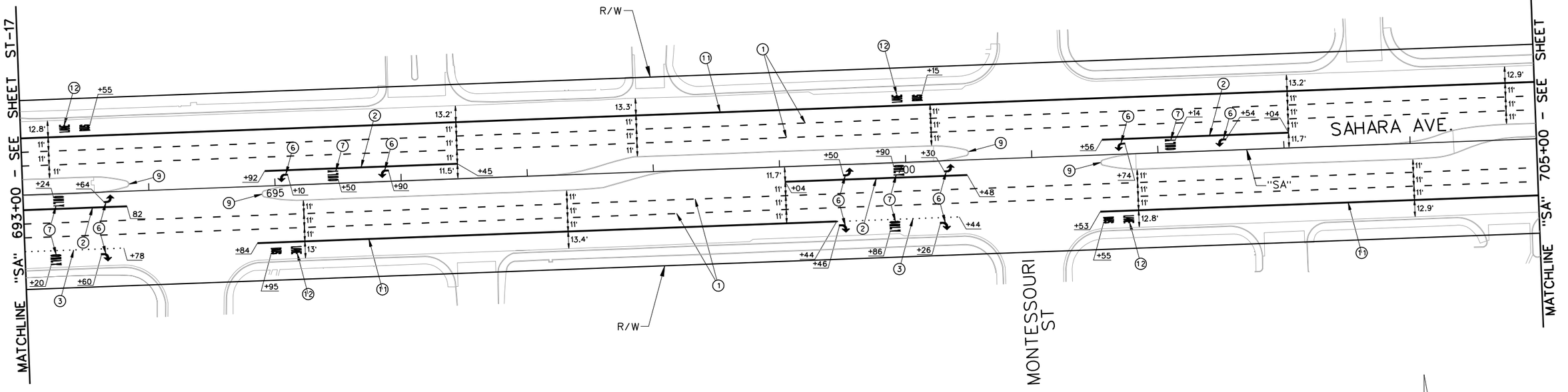
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

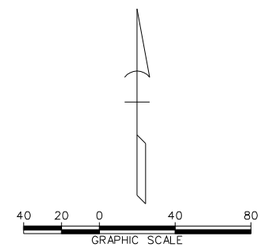
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-17

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT





STRIPING CONSTRUCTION ITEMS:

① "SA" 693+00.00. RT TO "SA" 705+00.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 693+00.00. RT TO "SA" 705+00.00. RT
"SA" 693+00.00. LT TO "SA" 705+00.00. LT
"SA" 693+00.00. LT TO "SA" 705+00.00. LT

② "SA" 693+00.00. RT TO "SA" 693+82.00. RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 699+04.00. RT TO "SA" 700+48.00. RT
"SA" 701+56.00. LT TO "SA" 703+04.00. LT
"SA" 694+92.00. LT TO "SA" 696+45.00. LT

③ "SA" 693+00.00. RT TO "SA" 693+78.00. RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.
"SA" 699+44.00. RT TO "SA" 700+44.00. RT

⑥ "SA" 693+64.00. RT, "SA" 699+50.00. RT, "SA" 700+30.00. RT, "SA" 693+60.00. RT, "SA" 699+46.00. RT, "SA" 700+26.00. RT, "SA" 702+54.00. LT, "SA" 701+74.00. LT, "SA" 695+90.00. LT, "SA" 695+10.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 693+24.00. RT, "SA" 699+90.00. RT, "SA" 693+20.00. RT, "SA" 699+86.00. RT, "SA" 702+14.00. LT, "SA" 685+50.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑨ "SA" 693+84.42. LT (YELLOW), "SA" 694+89.33. RT (YELLOW), "SA" 700+50.13. LT (YELLOW), "SA" 701+54.41. RT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 694+84.00. RT TO "SA" 699+44.00. RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).
"SA" 701+53.00. RT TO "SA" 705+00.00. RT
"SA" 693+00.00. LT TO "SA" 705+00.00. LT

⑫ "SA" 694+95.00. RT, "SA" 701+55.00. RT, "SA" 700+15.00. LT, "SA" 693+55.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
Call Before You Do Overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 693+00 to "SA" 705+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

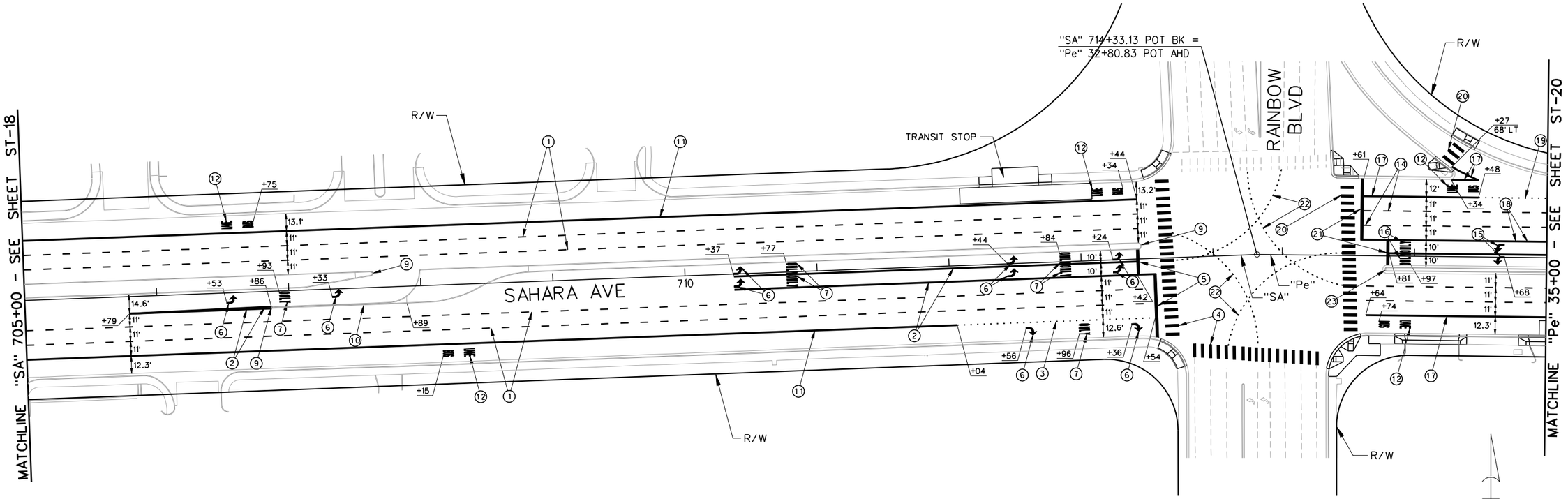
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-18

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





STRIPING CONSTRUCTION ITEMS:

① "SA" 705+00.00. RT TO "SA" 713+54.00. RT — INSTALL TYPE 4 LANE LINE PER USDCCA DWG. NO. 244A. (RPM)
"SA" 705+00.00. RT TO "SA" 713+54.00. RT
"SA" 705+00.00. LT TO "SA" 713+44.00. LT
"SA" 705+00.00. LT TO "SA" 713+44.00. LT

② "SA" 705+79.00. RT TO "SA" 706+86.00. RT — INSTALL STORAGE LANE LINE PER USDCCA DWG. NO. 246. (RPM)
"SA" 705+79.00. RT TO "SA" 706+86.00. RT
"SA" 710+37.00. RT TO "SA" 713+42.00. RT
"SA" 710+37.00. RT TO "SA" 713+54.00. RT

③ "SA" 712+04.00. RT TO "SA" 713+54.00. RT — INSTALL DOTTED LANE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA). SEE DETAIL ON SHEET ST-51.

④ INSTALL CROSSWALKS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑤ INSTALL STOP BARS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑥ "SA" 706+53.00. RT, "SA" 706+33.00. RT, "SA" 710+37.00. RT, "SA" 710+37.00. LT, "SA" 712+44.00. RT, "SA" 712+44.00. LT, "SA" 713+24.00. RT, "SA" 713+24.00. LT, "SA" 712+56.00. RT, "SA" 713+36.00. RT — INSTALL ARROW LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM PER USDCCA DWG NO. 246.

⑦ "SA" 706+93.00. RT, "SA" 710+77.00. RT, "SA" 710+77.00. LT, "SA" 712+84.00. RT, "SA" 712+84.00. LT, "SA" 712+96.00. RT — INSTALL ONLY LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKING FILM.

⑨ "SA" 707+64.10. LT (YELLOW), "SA" 713+45.87. LT (YELLOW) — INSTALL MEDIAN NOSE MARKINGS PER USDCCA DWG NO. 248.

⑪ "SA" 705+00.00. RT TO "SA" 712+04.00. RT; "SA" 705+00.00. LT TO "SA" 713+44.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING TYPE 1 PAVEMENT MARKINGS (POLYUREA).

⑫ "SA" 708+15.00. RT, "Pe" 33+74.00. RT, "SA" 713+34.00. LT, "SA" 706+75.00. LT, "Pe" 34+48.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. DETAIL ON SHEET ST-51.

⑭ "Pe" 33+64.00. RT TO "Pe" 35+00.00. RT; "Pe" 33+64.00. RT TO "Pe" 35+00.00. RT; "Pe" 33+61.00. LT TO "Pe" 35+00.00. LT; "Pe" 33+61.00. LT TO "Pe" 35+00.00. LT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

⑮ "Pe" 34+68.00. RT, "Pe" 34+68.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2).

⑯ "Pe" 33+97.00. RT, "Pe" 33+97.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2).

⑰ "Pe" 33+64.00. RT TO "Pe" 35+00.00. RT; "Pe" 33+61.00. LT TO "Pe" 34+48.00. LT; "Pe" 34+34.00. LT TO "Pe" 34+48.00. LT; "Pe" 34+27.00. LT TO "Pe" 34+48.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

⑱ "Pe" 33+81.00. LT TO "Pe" 35+00.00. LT; "Pe" 33+61.00. LT TO "Pe" 35+00.00. LT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

⑲ "Pe" 34+48.00. LT TO "Pe" 35+00.00. LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

⑳ INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

㉑ INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

㉒ INSTALL DOTTED WHITE LINE (CAT TRACKS) AS SHOWN PER NDOT STD T-37.1.3. SEE DETAIL SHEET ST-53.

㉓ "Pe" 33+78.00.RT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 705+00 to "Pe" 35+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

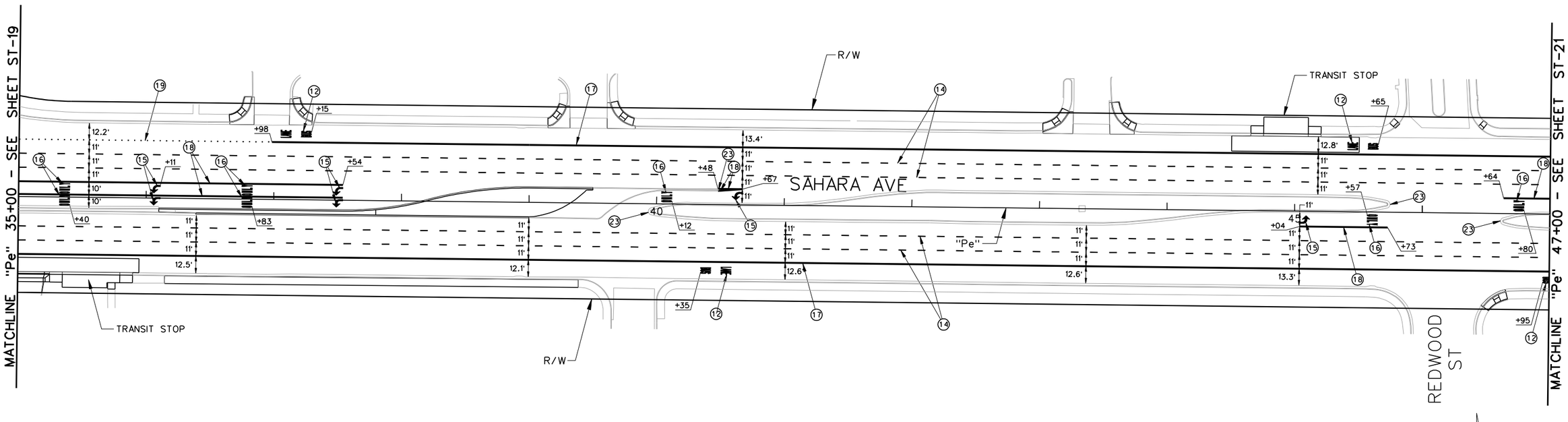
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

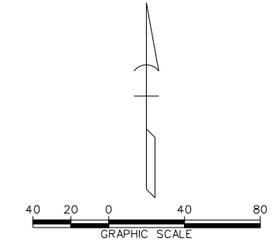
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-19

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





STRIPING CONSTRUCTION ITEMS:

(12) "Pe" 40+35.00.RT, "Pe" 46+95.00.RT, "Pe" 45+65.00.LT, "Pe" 37+15.00.LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

(14) "Pe" 35+00.00. RT TO "Pe" 47+00.00. RT; "Pe" 35+00.00. RT TO "Pe" 47+00.00. RT; "Pe" 35+00.00. LT TO "Pe" 47+00.00. LT; "Pe" 35+00.00. LT TO "Pe" 47+00.00. LT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

(15) "Pe" 45+04.00. RT, "Pe" 40+67.00. LT, "Pe" 36+11.00. RT, "Pe" 36+11.00. LT, "Pe" 37+54.00. RT, "Pe" 37+54.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(16) "Pe" 45+57.00. RT, "Pe" 46+80.00. LT, "Pe" 40+12.00. LT, "Pe" 35+40.00. RT, "Pe" 35+40.00. LT, "Pe" 36+83.00. RT, "Pe" 36+83.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(17) "Pe" 35+00.00. RT TO "Pe" 47+00.00. RT; "Pe" 36+98.00. LT TO "Pe" 47+00.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

(18) "Pe" 45+04.00. RT TO "Pe" 45+73.00. RT; "Pe" 46+64.00. LT TO "Pe" 47+00.00. LT; "Pe" 40+48.00. LT TO "Pe" 40+67.00. LT; "Pe" 40+48.00. LT TO "Pe" 40+67.00. LT; "Pe" 35+00.00. LT TO "Pe" 37+54.00. LT; "Pe" 35+00.00. LT TO "Pe" 37+54.00. LT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

(19) "Pe" 35+00.00. LT TO "Pe" 36+98.00. LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(23) "Pe" 39+93.65. RT (YELLOW), "Pe" 45+82.32. LT (YELLOW), "Pe" 46+61.45. RT (YELLOW), "Pe" 40+48.39. LT (WHITE) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call 1-702-227-2929 CALL BEFORE YOU DIG OVERHEAD

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 35+00 to "Pe" 47+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE: HORIZ: AS SHOWN; VERT: NONE

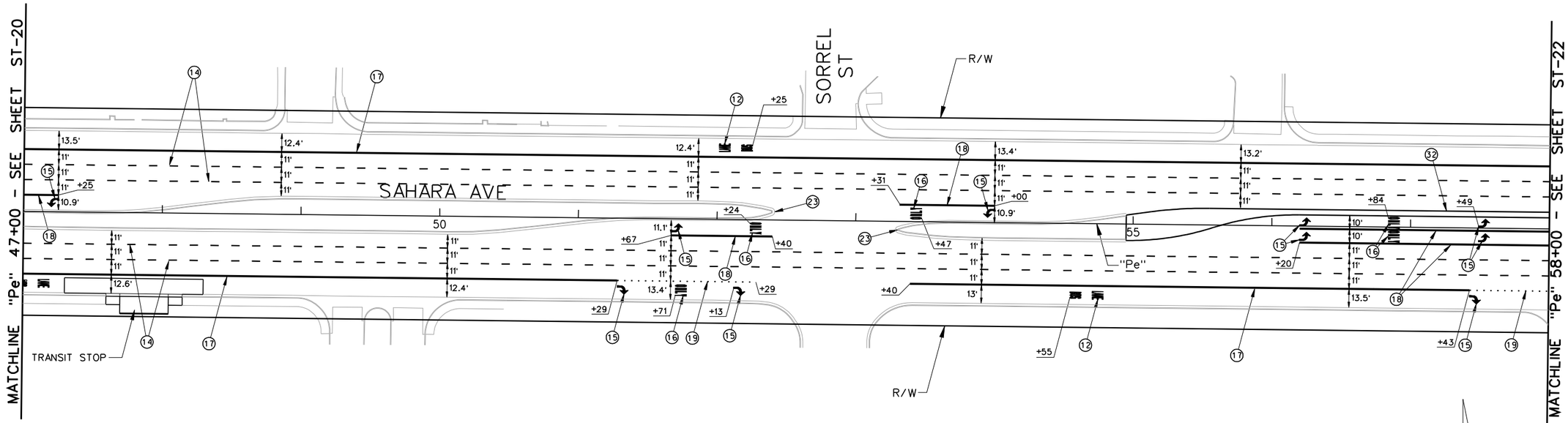
FIELD BOOK: NONE

SHEET No. ST-20

Sheet 270 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





STRIPING CONSTRUCTION ITEMS:

⑫ "Pe" 54+55.00. RT / "Pe" 52+25.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

⑭ "Pe" 47+00.00. RT TO "Pe" 58+00.00. RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"Pe" 47+00.00. RT TO "Pe" 58+00.00. RT
"Pe" 47+00.00. LT TO "Pe" 58+00.00. LT
"Pe" 47+00.00. LT TO "Pe" 58+00.00. LT

⑮ "Pe" 51+67.00. RT, "Pe" 51+29.00. RT, "Pe" 52+13.00. RT, "Pe" 57+43.00. RT, "Pe" 56+20.00. RT, "Pe" 56+20.00. LT, "Pe" 57+49.00. RT, "Pe" 57+49.00. LT, "Pe" 54+00.00. LT, "Pe" 47+25.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

⑯ "Pe" 53+24.00. RT, "Pe" 51+71.00. RT, "Pe" 56+84.00. RT, "Pe" 56+84.00. LT, "Pe" 53+47.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

⑰ "Pe" 47+00.00. RT TO "Pe" 51+29.00. RT, "Pe" 53+40.00. LT TO "Pe" 57+43.00. LT, "Pe" 47+00.00. LT TO "Pe" 58+00.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

⑱ "Pe" 51+67.00. RT TO "Pe" 52+40.00. RT, "Pe" 56+20.00. RT TO "Pe" 58+00.00. RT, "Pe" 56+20.00. RT TO "Pe" 58+00.00. RT, "Pe" 53+31.00. LT TO "Pe" 54+00.00. LT, "Pe" 47+00.00. LT TO "Pe" 47+25.00. LT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

⑲ "Pe" 57+43.00. RT TO "Pe" 58+00.00. RT, "Pe" 51+29.00. RT TO "Pe" 52+29.00. RT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

㉓ "Pe" 52+41.06.RT (YELLOW) / "Pe" 53+21.39.RT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

㉜ "Pe" 56+20.00. LT TO "Pe" 58+00.00. LT — PAINT MEDIAN ISLAND REFLECTIVE YELLOW.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 REGIONAL AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 47+00 to "Pe" 58+00

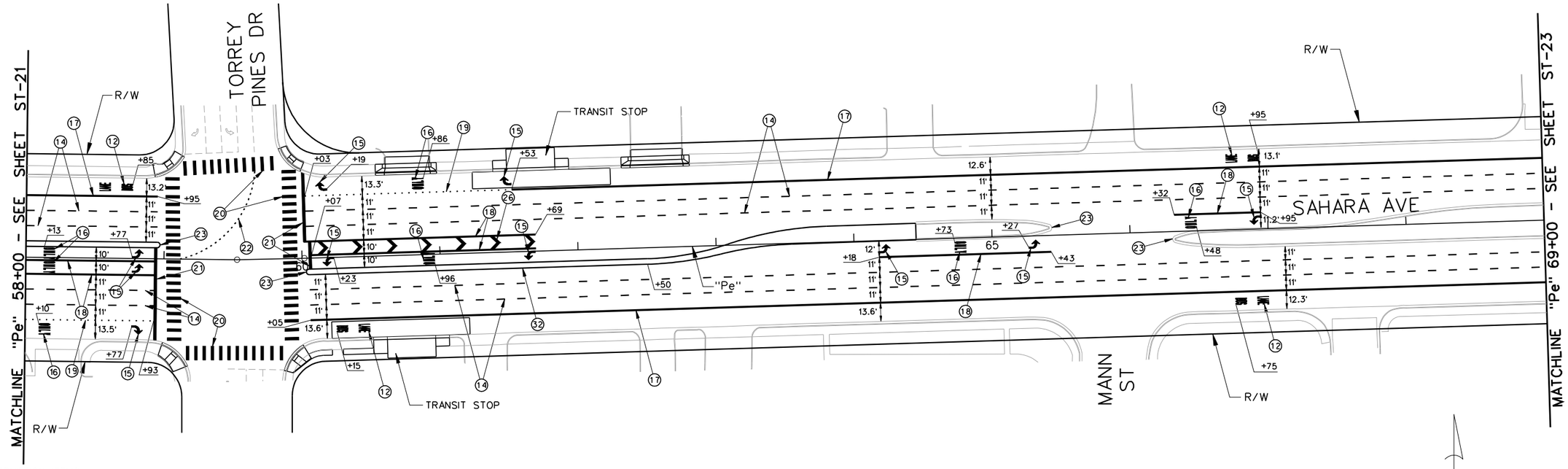
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

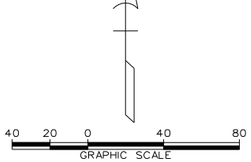
PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE — HORIZ: AS SHOWN — VERT: NONE — FIELD BOOK: NONE

SHEET No. ST-21





STRIPING CONSTRUCTION ITEMS:

(12) "Pe" 60+15.00. RT
"Pe" 66+75.00. RT
"Pe" 66+95.00. LT
"Pe" 58+85.00. LT
INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

(14) "Pe" 58+00.00. RT TO "Pe" 58+93.00. RT
"Pe" 58+00.00. RT TO "Pe" 58+93.00. RT
"Pe" 60+05.00. RT TO "Pe" 69+00.00. RT
"Pe" 60+05.00. RT TO "Pe" 69+00.00. RT
"Pe" 60+03.00. LT TO "Pe" 69+00.00. LT
"Pe" 60+03.00. LT TO "Pe" 69+00.00. LT
"Pe" 58+00.00. LT TO "Pe" 58+95.00. LT
"Pe" 58+00.00. LT TO "Pe" 58+95.00. LT
INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

(15) "Pe" 58+77.00. RT
"Pe" 58+77.00. LT
"Pe" 58+77.00. RT
"Pe" 64+18.00. RT
"Pe" 65+27.00. RT
"Pe" 66+95.00. LT
"Pe" 61+69.00. RT
"Pe" 60+23.00. RT
"Pe" 61+53.00. LT
"Pe" 60+19.00. LT
INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(16) "Pe" 58+13.00. RT
"Pe" 58+13.00. LT
"Pe" 58+10.00. RT
"Pe" 64+73.00. RT
"Pe" 66+48.00. LT
"Pe" 60+96.00. LT
"Pe" 60+86.00. LT
INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(17) "Pe" 60+05.00. RT TO "Pe" 69+00.00. RT
"Pe" 61+53.00. LT TO "Pe" 69+00.00. LT
"Pe" 58+00.00. LT TO "Pe" 58+95.00. LT
INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

(18) "Pe" 58+00.00. RT TO "Pe" 58+93.00. RT
"Pe" 58+00.00. RT TO "Pe" 58+93.00. RT
"Pe" 64+18.00. RT TO "Pe" 65+43.00. RT
"Pe" 66+32.00. LT TO "Pe" 66+95.00. LT
"Pe" 60+07.00. LT TO "Pe" 61+69.00. LT
"Pe" 60+03.00. LT TO "Pe" 61+69.00. LT
INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

(19) "Pe" 58+00.00. RT TO "Pe" 58+93.00. RT
"Pe" 60+03.00. LT TO "Pe" 61+53.00. LT
INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

(22) INSTALL DOTTED WHITE LINE (CAT TRACKS) AS SHOWN PER NDOT STD T-37.1. SEE DETAIL SHEET ST-53.

(23) "Pe" 58+97.00.LT (YELLOW)
"Pe" 60+08.91.RT (YELLOW)
"Pe" 65+56.37.LT (YELLOW)
"Pe" 66+21.35.RT (YELLOW)
INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

(26) "Pe" 60+03.00. LT TO "Pe" 61+69.00. LT
INSTALL CHEVRON MARKINGS (24-INCH SOLID WHITE) AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). SEE DETAIL ON SHEET ST-51.

(32) "Pe" 58+00.00. RT TO "Pe" 58+97.00. RT
"Pe" 60+08.91. LT TO "Pe" 62+50.00. LT
PAINT MEDIAN ISLAND REFLECTIVE YELLOW.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 58+00 to "Pe" 69+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

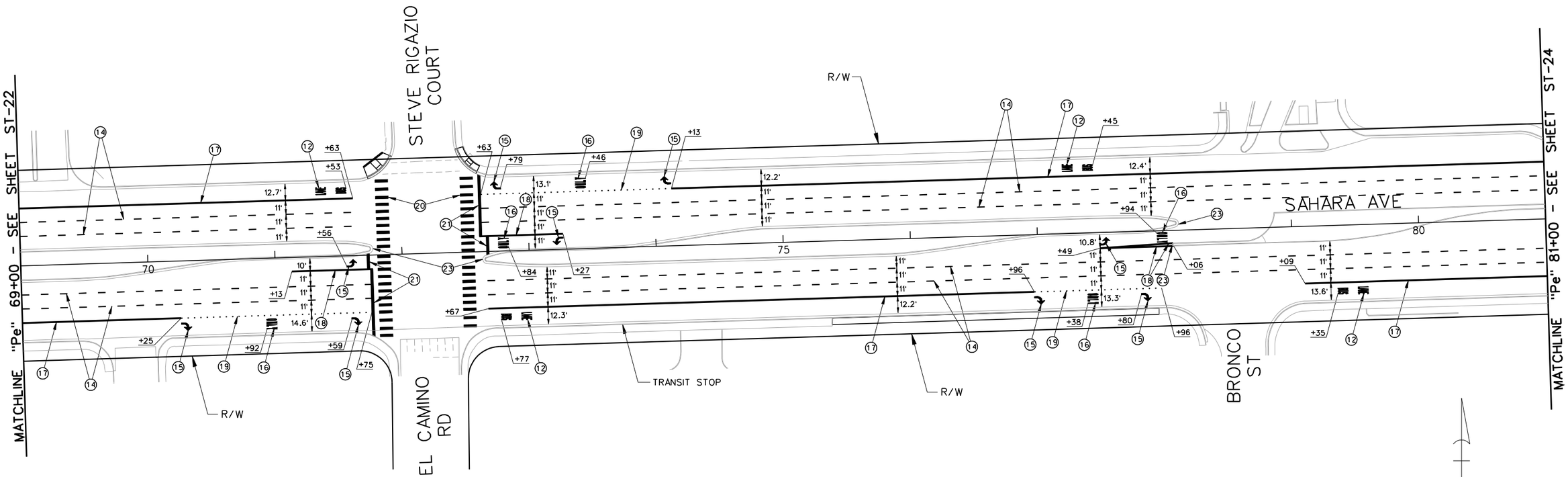
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-22

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

(12) "Pe" 72+77.00. RT, "Pe" 79+35.00. RT, "Pe" 77+45.00. LT, "Pe" 71+53.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-52.

(14) "Pe" 69+00.00. RT TO "Pe" 71+75.00. RT; "Pe" 69+00.00. RT TO "Pe" 71+75.00. RT; "Pe" 72+67.00. RT TO "Pe" 81+00.00. RT; "Pe" 72+67.00. RT TO "Pe" 81+00.00. RT; "Pe" 72+63.00. LT TO "Pe" 81+00.00. LT; "Pe" 72+63.00. LT TO "Pe" 81+00.00. LT; "Pe" 69+00.00. LT TO "Pe" 71+63.00. LT; "Pe" 69+00.00. LT TO "Pe" 71+63.00. LT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

(15) "Pe" 71+56.00. RT, "Pe" 77+49.00. RT, "Pe" 73+27.00. LT, "Pe" 70+25.00. RT, "Pe" 71+59.00. RT, "Pe" 76+96.00. RT, "Pe" 77+80.00. RT, "Pe" 72+79.00. LT, "Pe" 74+13.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(16) "Pe" 77+94.00. RT, "Pe" 72+84.00. LT, "Pe" 70+92.00. RT, "Pe" 77+38.00. RT, "Pe" 73+46.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2).

(17) "Pe" 69+00.00. RT TO "Pe" 70+25.00. RT; "Pe" 72+67.00. RT TO "Pe" 76+96.00. RT; "Pe" 79+09.00. RT TO "Pe" 81+00.00. RT; "Pe" 74+13.00. LT TO "Pe" 81+00.00. LT; "Pe" 69+00.00. LT TO "Pe" 71+63.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

(18) "Pe" 71+13.00. RT TO "Pe" 71+75.00. RT; "Pe" 77+49.00. RT TO "Pe" 73+06.00. RT; "Pe" 77+49.00. RT TO "Pe" 73+06.00. RT; "Pe" 72+63.00. LT TO "Pe" 73+27.00. LT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

(19) "Pe" 70+25.00. RT TO "Pe" 71+75.00. RT; "Pe" 72+63.00. LT TO "Pe" 74+13.00. LT; "Pe" 76+96.00. RT TO "Pe" 77+96.00. RT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

(23) "Pe" 71+77.09.LT (YELLOW), "Pe" 72+53.43.RT (YELLOW), "Pe" 78+05.83.RT (WHITE), "Pe" 78+09.54.LT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 69+00 to "Pe" 81+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

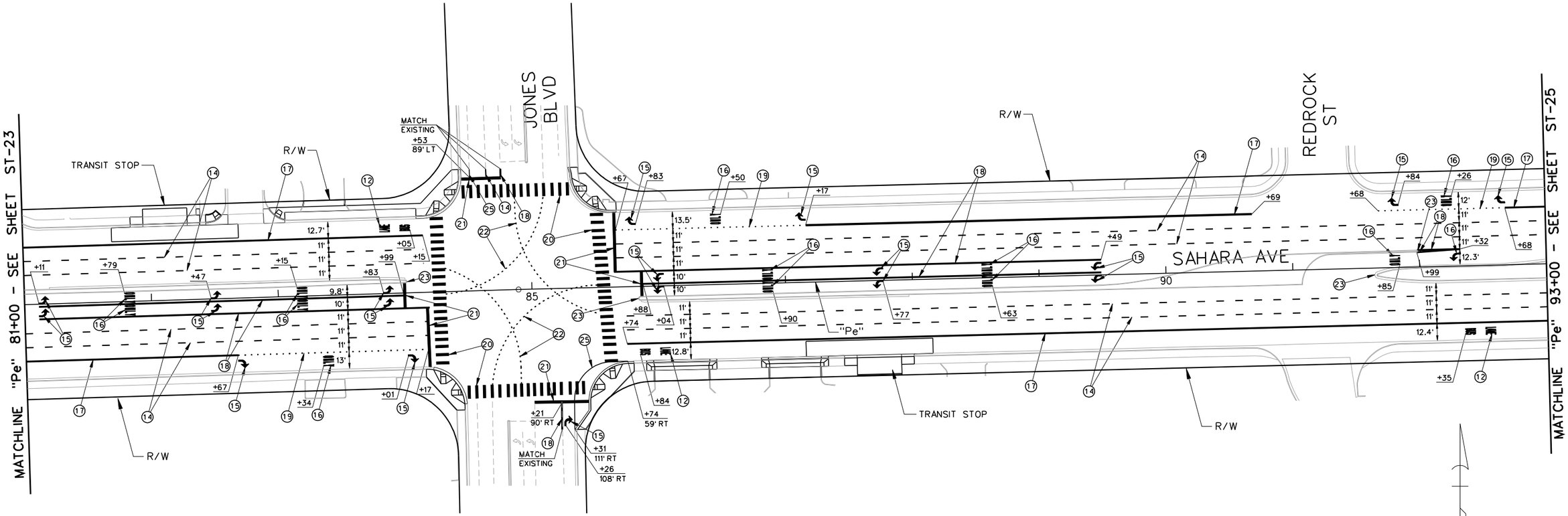
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6832 • FAX (702) 736-0704

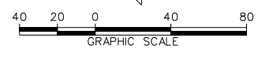
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. ST-23

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





STRIPING CONSTRUCTION ITEMS:

(12) "Pe" 85+84.00. RT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.
"Pe" 92+35.00. RT
"Pe" 84+05.00. LT

(14) "Pe" 81+00.00. RT TO "Pe" 84+17.00. RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"Pe" 81+00.00. RT TO "Pe" 84+17.00. RT
"Pe" 85+74.00. RT TO "Pe" 93+00.00. RT
"Pe" 85+74.00. RT TO "Pe" 93+00.00. RT
"Pe" 85+67.00. LT TO "Pe" 93+00.00. LT
"Pe" 85+67.00. LT TO "Pe" 93+00.00. LT
"Pe" 81+00.00. LT TO "Pe" 84+15.00. LT
"Pe" 81+00.00. LT TO "Pe" 84+15.00. LT
"Pe" 84+67.00. 89' LT TO "Pe" 84+67.00. 95' LT

(15) "Pe" 81+11.00. RT
"Pe" 81+11.00. LT
"Pe" 82+47.00. RT
"Pe" 82+47.00. LT
"Pe" 83+83.00. RT
"Pe" 83+83.00. LT
"Pe" 82+67.00. RT
"Pe" 84+01.00. RT
"Pe" 92+32.00. LT
"Pe" 92+68.00. LT
"Pe" 91+84.00. LT
"Pe" 89+49.00. RT
"Pe" 89+49.00. LT
"Pe" 87+77.00. RT
"Pe" 87+77.00. LT
"Pe" 86+04.00. RT
"Pe" 86+04.00. LT
"Pe" 87+17.00. LT
"Pe" 85+83.00. LT
"Pe" 85+26.00. RT
— INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(16) "Pe" 81+79.00. RT
"Pe" 81+79.00. LT
"Pe" 83+15.00. RT
"Pe" 83+15.00. LT
"Pe" 83+34.00. RT
"Pe" 91+85.00. LT
"Pe" 92+26.00. LT
"Pe" 88+63.00. RT
"Pe" 88+63.00. LT
"Pe" 86+90.00. RT
"Pe" 86+90.00. LT
"Pe" 86+17.00. LT
"Pe" 86+50.00. LT
— INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(17) "Pe" 81+00.00. RT TO "Pe" 82+67.00. RT
"Pe" 85+74.00. RT TO "Pe" 93+00.00. RT
"Pe" 92+68.00. LT TO "Pe" 93+00.00. LT
"Pe" 87+17.00. LT TO "Pe" 90+69.00. LT
"Pe" 81+00.00. LT TO "Pe" 84+15.00. LT
— INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

(18) "Pe" 81+11.00. RT TO "Pe" 83+99.00. RT
"Pe" 81+11.00. RT TO "Pe" 84+17.00. RT
"Pe" 91+99.00. LT TO "Pe" 92+32.00. LT
"Pe" 91+99.00. LT TO "Pe" 92+32.00. LT
"Pe" 85+88.00. LT TO "Pe" 89+49.00. LT
"Pe" 85+67.00. LT TO "Pe" 89+49.00. LT
"Pe" 84+78.00. 90' LT TO "Pe" 84+78.00. 96' LT
"Pe" 85+21.00. 90' RT TO "Pe" 85+21.00. 111' RT
— INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

(19) "Pe" 82+67.00. RT TO "Pe" 84+17.00. RT
"Pe" 91+68.00. LT TO "Pe" 92+68.00. LT
"Pe" 85+67.00. LT TO "Pe" 87+17.00. LT
— INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

(22) INSTALL DOTTED WHITE LINE (CAT TRACKS) AS SHOWN PER NDOT STD T-37.1. SEE DETAIL SHEET ST-53.

(23) "Pe" 84+01.67. LT (YELLOW)
"Pe" 85+83.91. RT (YELLOW)
"Pe" 91+64.70. RT (YELLOW)
"Pe" 91+98.83. LT (WHITE)
— INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

(25) "Pe" 85+31.00. RT TO "Pe" 85+74.00. RT
"Pe" 84+53.00. 89' LT TO "Pe" 84+53.00. 96' LT
— INSTALL 6-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 81+00 to "Pe" 93+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

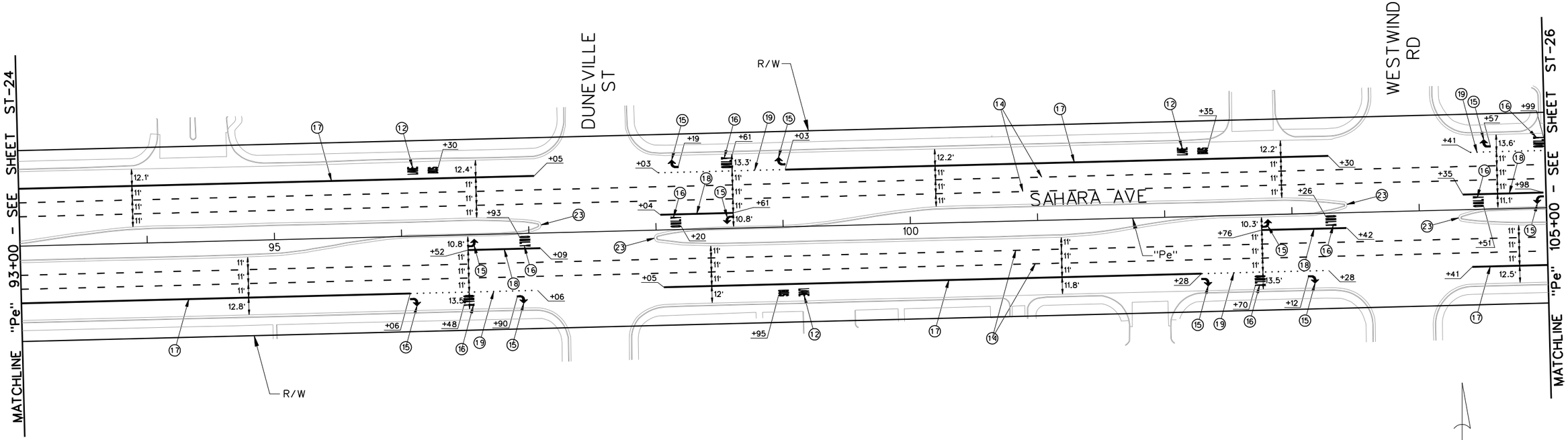
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-24

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

(12) "Pe" 98+95.00, RT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.
"Pe" 102+35.00, LT
"Pe" 96+30.00, LT

(14) "Pe" 93+00.00, RT TO "Pe" 105+00.00, RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"Pe" 93+00.00, RT TO "Pe" 105+00.00, RT
"Pe" 93+00.00, LT TO "Pe" 105+00.00, LT
"Pe" 93+00.00, LT TO "Pe" 105+00.00, LT

(15) "Pe" 96+52.00, RT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2. AND T-37.1.4.
"Pe" 102+76.00, RT
"Pe" 103+12.00, RT
"Pe" 104+98.00, LT
"Pe" 98+61.00, LT
"Pe" 104+57.00, LT
"Pe" 99+03.00, LT
"Pe" 98+19.00, LT
"Pe" 96+06.00, RT
"Pe" 96+90.00, RT
"Pe" 102+28.00, RT

(16) "Pe" 96+93.00, RT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2. AND T-37.1.4.
"Pe" 103+26.00, RT
"Pe" 104+51.00, LT
"Pe" 98+20.00, LT
"Pe" 96+48.00, RT
"Pe" 102+70.00, RT
"Pe" 104+99.00, LT
"Pe" 98+61.00, LT

(17) "Pe" 93+00.00, RT TO "Pe" 96+06.00, RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.
"Pe" 98+05.00, RT TO "Pe" 102+28.00, RT
"Pe" 104+41.00, RT TO "Pe" 105+00.00, RT
"Pe" 99+03.00, LT TO "Pe" 103+30.00, LT
"Pe" 93+00.00, LT TO "Pe" 97+05.00, LT

(18) "Pe" 96+52.00, RT TO "Pe" 97+09.00, RT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.
"Pe" 102+76.00, RT TO "Pe" 103+42.00, RT
"Pe" 104+35.00, LT TO "Pe" 104+98.00, LT
"Pe" 98+04.00, LT TO "Pe" 98+61.00, LT

(19) "Pe" 96+06.00, RT TO "Pe" 97+06.00, RT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.
"Pe" 102+28.00, RT TO "Pe" 103+28.00, RT
"Pe" 104+41.00, LT TO "Pe" 105+00.00, LT
"Pe" 98+03.00, LT TO "Pe" 99+03.00, LT

(23) "Pe" 97+18.64, LT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.
"Pe" 97+89.10, RT (YELLOW)
"Pe" 103+53.14, LT (YELLOW)
"Pe" 104+21.52, RT (YELLOW)

AS-BUILT

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NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
REGIONAL AND NATIONAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 93+00 to "Pe" 105+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

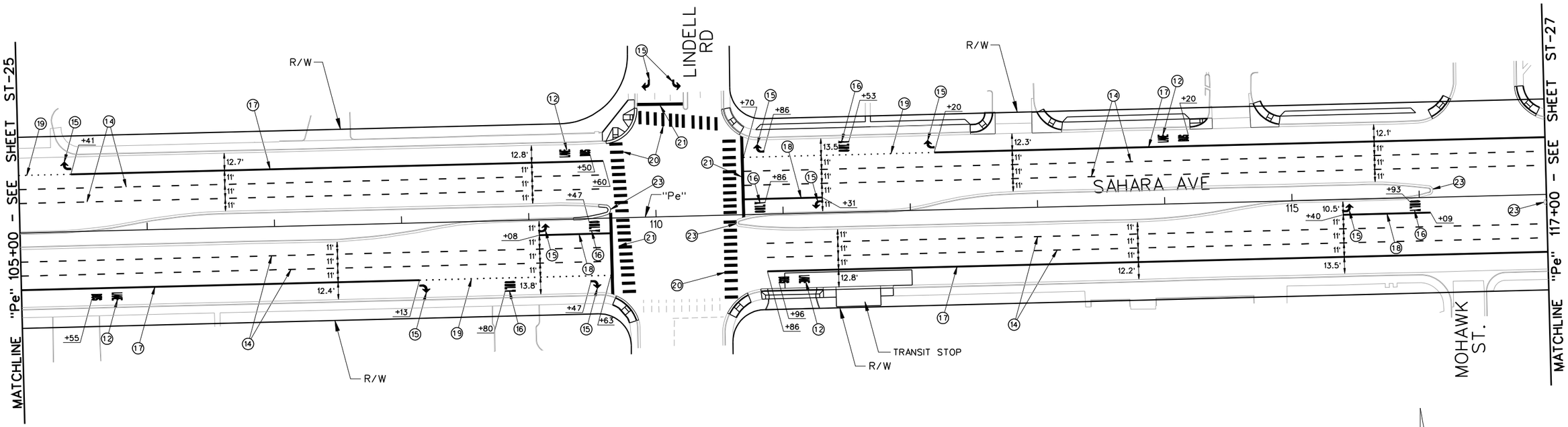
PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-25

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

⑫ "Pe" 105+55.00, RT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.
"Pe" 110+96.00, RT
"Pe" 114+20.00, LT
"Pe" 109+50.00, LT

⑭ "Pe" 105+00.00, RT TO "Pe" 109+63.00, RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"Pe" 105+00.00, RT TO "Pe" 109+63.00, RT
"Pe" 110+86.00, RT TO "Pe" 117+00.00, RT
"Pe" 110+86.00, RT TO "Pe" 117+00.00, RT
"Pe" 110+70.00, LT TO "Pe" 117+00.00, LT
"Pe" 110+70.00, LT TO "Pe" 117+00.00, LT
"Pe" 105+00.00, LT TO "Pe" 109+60.00, LT
"Pe" 105+00.00, LT TO "Pe" 109+60.00, LT

⑮ "Pe" 109+08.00, RT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.
"Pe" 108+13.00, RT
"Pe" 109+47.00, RT
"Pe" 115+40.00, RT
"Pe" 111+31.00, LT
"Pe" 110+86.00, LT
"Pe" 112+20.00, LT
"Pe" 105+41.00, LT

⑯ "Pe" 109+47.00, RT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.
"Pe" 108+80.00, RT
"Pe" 115+93.00, RT
"Pe" 110+86.00, LT
"Pe" 111+53.00, LT

⑰ "Pe" 105+00.00, RT TO "Pe" 108+13.00, RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.
"Pe" 110+86.00, RT TO "Pe" 117+00.00, RT
"Pe" 112+20.00, LT TO "Pe" 117+00.00, LT
"Pe" 105+00.00, LT TO "Pe" 109+60.00, LT

⑱ "Pe" 109+08.00, RT TO "Pe" 109+63.00, RT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.
"Pe" 115+40.00, RT TO "Pe" 116+09.00, RT
"Pe" 110+70.00, LT TO "Pe" 111+31.00, LT

⑲ "Pe" 108+13.00, RT TO "Pe" 109+63.00, RT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.
"Pe" 110+70.00, LT TO "Pe" 112+20.00, LT

⑳ INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

㉑ INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

㉓ "Pe" 109+75.98, LT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.
"Pe" 110+63.09, RT (YELLOW)
"Pe" 116+18.39, LT (YELLOW)
"Pe" 116+73.49, RT (YELLOW)

Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:
1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
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REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
STRIPING PLAN
"Pe" 105+00 to "Pe" 117+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

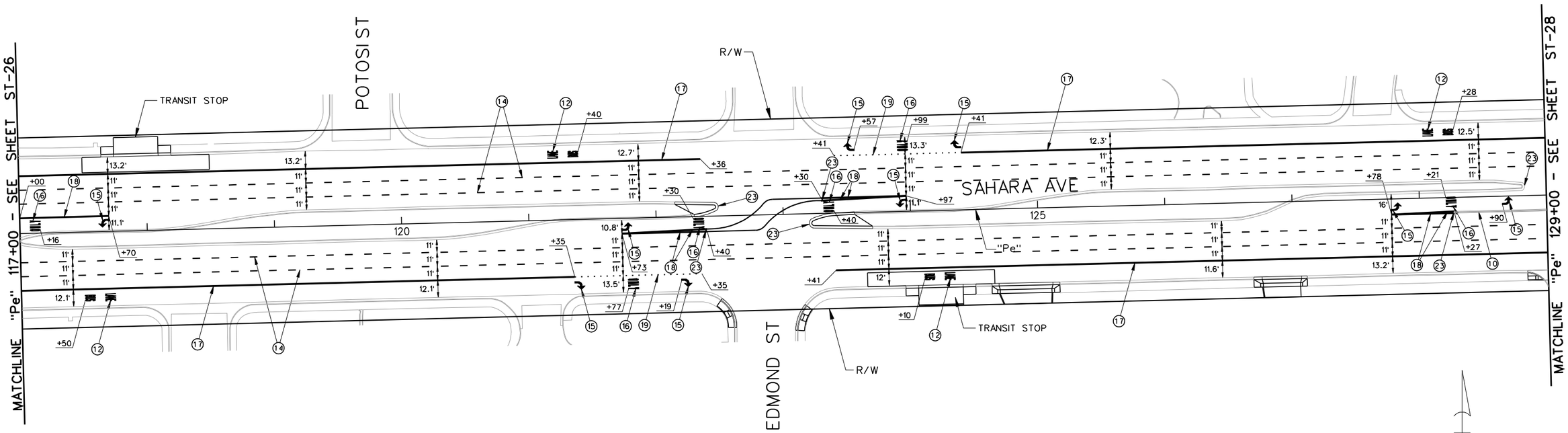
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-26
Sheet 276 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

⑩ "Pe" 128+26.90, RT TO "Pe" 129+00.00, RT — PAINT MEDIAN ISLAND REFLECTIVE WHITE.

⑫ "Pe" 117+50.00, RT; "Pe" 124+10.00, RT; "Pe" 128+28.00, LT; "Pe" 121+40.00, LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS.SEE DETAIL ON SHEET ST-51.

⑭ "Pe" 117+00.00, RT TO "Pe" 129+00.00, RT; "Pe" 117+00.00, RT TO "Pe" 129+00.00, RT; "Pe" 117+00.00, LT TO "Pe" 129+00.00, LT; "Pe" 117+00.00, LT TO "Pe" 129+00.00, LT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

⑮ "Pe" 121+73.00, RT; "Pe" 121+35.00, RT; "Pe" 122+19.00, RT; "Pe" 127+78.00, RT; "Pe" 127+90.00, RT; "Pe" 123+97.00, LT; "Pe" 124+41.00, LT; "Pe" 123+57.00, LT; "Pe" 117+70.00, LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1, T-37.1.2. AND T-37.1.4.

⑯ "Pe" 122+30.00, RT; "Pe" 121+77.00, RT; "Pe" 128+21.00, RT; "Pe" 123+40.00, LT; "Pe" 123+99.00, LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS: T-37-1.1, T-37.1.2, AND T-37.1.4.

⑰ "Pe" 117+00.00, RT TO "Pe" 121+35.00, RT; "Pe" 123+41.00, LT TO "Pe" 129+00.00, LT; "Pe" 124+41.00, LT TO "Pe" 129+00.00, LT; "Pe" 117+00.00, RT TO "Pe" 122+36.00, RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

⑱ "Pe" 121+73.00, RT TO "Pe" 122+40.00, RT; "Pe" 121+73.00, RT TO "Pe" 122+40.00, RT; "Pe" 127+78.00, RT TO "Pe" 128+27.00, RT; "Pe" 127+78.00, RT TO "Pe" 128+27.00, RT; "Pe" 123+30.00, LT TO "Pe" 123+97.00, LT; "Pe" 123+30.00, LT TO "Pe" 123+97.00, LT; "Pe" 117+00.00, LT TO "Pe" 117+70.00, LT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) NDOT STDS T-37.1.1 AND T-38.1.2.

⑲ "Pe" 121+35.00, RT TO "Pe" 122+35.00, RT; "Pe" 123+41.00, LT TO "Pe" 124+41.00, LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

㉓ "Pe" 122+50.02, LT (YELLOW); "Pe" 123+19.32, RT (YELLOW); "Pe" 128+26.90, RT (WHITE); "Pe" 128+82.91, LT (YELLOW); "Pe" 122+39.90, RT (WHITE); "Pe" 123+31.90, LT (WHITE) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

AVOID CUTTING UNDERGROUND POWER LINES, ITS CONTENT. Call 811 or 1-800-227-2600

FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES, ITS CONTENT. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 117+00 to "Pe" 129+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

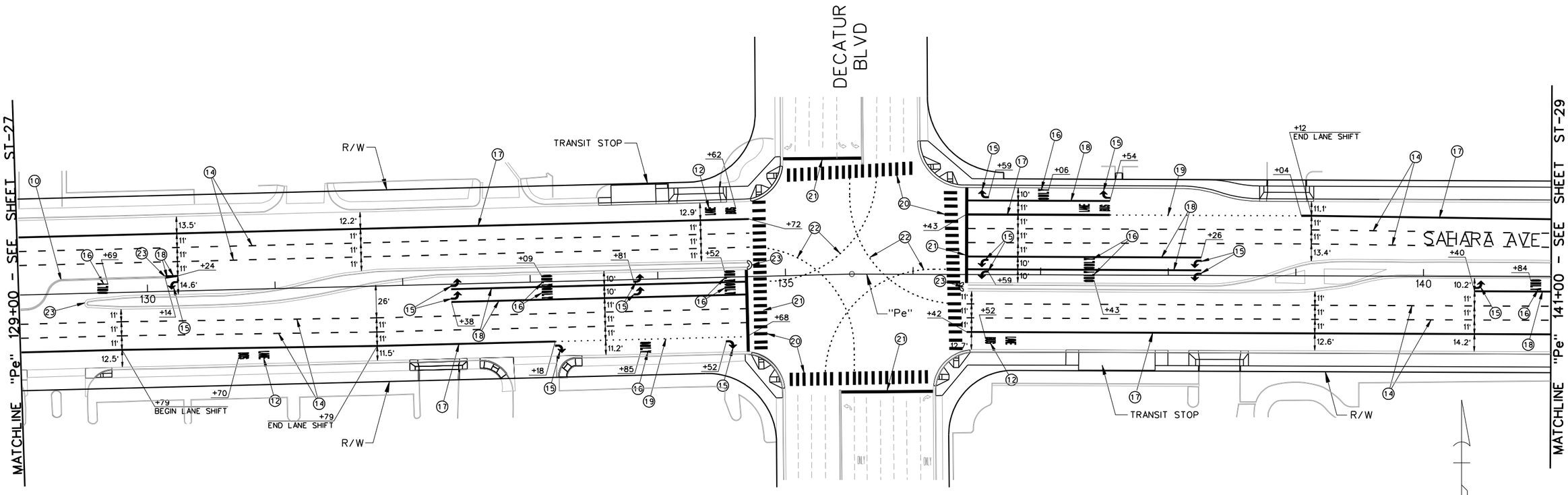
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE: HORIZ: AS SHOWN; VERT: NONE; FIELD BOOK: NONE

SHEET No. ST-27

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

⑩ "Pe" 129+00.00. RT — "Pe" 130+14.24. LT — PAINT MEDIAN ISLAND REFLECTIVE WHITE.

⑫ "Pe" 130+70.00. RT — "Pe" 136+45.00. RT — "Pe" 134+62.00. LT — "Pe" 137+54.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

⑭ "Pe" 129+00.00. RT TO "Pe" 134+68.00. RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

"Pe" 129+00.00. RT TO "Pe" 134+68.00. RT

"Pe" 136+35.00. RT TO "Pe" 141+00.00. RT

"Pe" 136+35.00. RT TO "Pe" 141+00.00. RT

"Pe" 136+43.00. LT TO "Pe" 141+00.00. LT

"Pe" 136+43.00. LT TO "Pe" 141+00.00. LT

"Pe" 129+00.00. LT TO "Pe" 134+72.00. LT

"Pe" 129+00.00. LT TO "Pe" 134+72.00. LT

⑮ "Pe" 132+38.00. RT — "Pe" 132+38.00. LT — "Pe" 133+81.00. RT — "Pe" 133+81.00. LT — "Pe" 133+18.00. RT — "Pe" 134+52.00. RT — "Pe" 140+40.00. RT — "Pe" 138+26.00. RT — "Pe" 138+26.00. LT — "Pe" 136+59.00. RT — "Pe" 136+59.00. LT — "Pe" 137+54.00. LT — "Pe" 136+59.00. LT — "Pe" 130+24.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

⑯ "Pe" 133+09.00. RT — "Pe" 133+09.00. LT — "Pe" 134+52.00. RT — "Pe" 134+52.00. LT — "Pe" 134+16.00. RT — "Pe" 137+06.00. LT — "Pe" 140+84.00. RT — "Pe" 137+43.00. RT — "Pe" 137+43.00. LT — "Pe" 129+69.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

⑰ "Pe" 129+00.00. RT TO "Pe" 133+18.00. RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

"Pe" 136+42.00. RT TO "Pe" 141+00.00. RT

"Pe" 139+04.00. LT TO "Pe" 141+00.00. LT

"Pe" 129+00.00. LT TO "Pe" 134+72.00. LT

"Pe" 136+43.00. LT TO "Pe" 137+54.00. LT

⑱ "Pe" 132+38.00. RT TO "Pe" 134+68.00. RT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

"Pe" 132+38.00. RT TO "Pe" 134+68.00. RT

"Pe" 140+40.00. RT TO "Pe" 141+00.00. RT

"Pe" 136+41.00. LT TO "Pe" 138+26.00. LT

"Pe" 136+41.00. LT TO "Pe" 138+26.00. LT

"Pe" 130+14.00. LT TO "Pe" 130+24.00. LT

"Pe" 130+14.00. LT TO "Pe" 130+24.00. LT

"Pe" 136+43.00. LT TO "Pe" 137+54.00. LT

⑲ "Pe" 133+18.00. RT TO "Pe" 134+68.00. RT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

"Pe" 137+54.00. LT TO "Pe" 139+04.00. LT

⑳ INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

㉑ INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

㉒ INSTALL DOTTED WHITE LINE (CAT TRACKS) AS SHOWN PER NDOT STD T-37.1. SEE DETAIL SHEET ST-53.

㉓ "Pe" 129+50.63. RT (YELLOW) — "Pe" 130+14.24. LT (WHITE) — "Pe" 134+82.00. LT (YELLOW) — "Pe" 136+32.00. RT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
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FAST
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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 129+00 to "Pe" 141+00

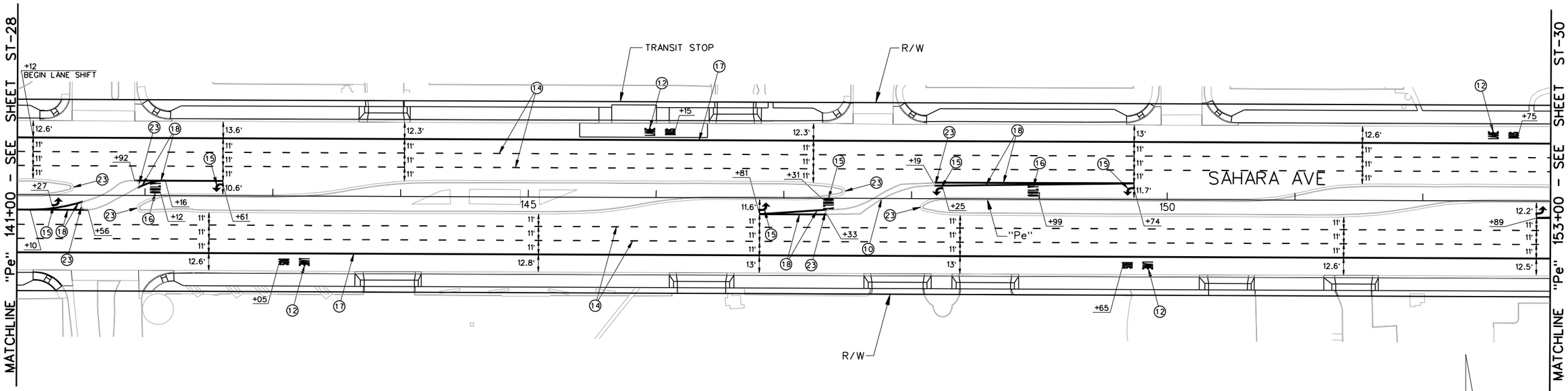
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

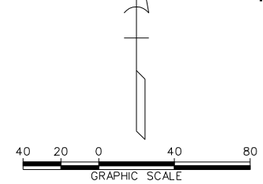
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-28





SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

⑩ "Pe" 147+32.52. RT TO "Pe" 147+46.03. LT — PAINT MEDIAN ISLAND REFLECTIVE WHITE.

⑫ "Pe" 143+05.00. RT, "Pe" 149+65.00. RT, "Pe" 152+75.00. LT, "Pe" 146+15.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

⑭ "Pe" 141+00.00. RT TO "Pe" 153+00.00. 23.00' RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"Pe" 141+00.00. RT TO "Pe" 153+00.00. RT
"Pe" 141+00.00. LT TO "Pe" 153+00.00. LT
"Pe" 141+00.00. LT TO "Pe" 153+00.00. LT

⑮ "Pe" 141+27.00. RT, "Pe" 146+81.00. RT, "Pe" 152+89.00. RT, "Pe" 149+74.00. LT, "Pe" 148+25.00. LT, "Pe" 142+61.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2. AND T-37.1.4.

⑯ "Pe" 147+31.00, RT, "Pe" 148+99.00. LT, "Pe" 142+12.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2. AND T-37.1.4.

⑰ "Pe" 141+00.00. RT TO "Pe" 153+00.00. RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.
"Pe" 141+00.00. LT TO "Pe" 153+00.00. LT

⑱ "Pe" 141+00.00. RT TO "Pe" 141+56.00. RT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.
"Pe" 141+10.00. RT TO "Pe" 141+50.00. RT
"Pe" 146+81.00. RT TO "Pe" 147+33.00. RT
"Pe" 146+81.00. RT TO "Pe" 147+33.00. RT
"Pe" 152+89.00. RT TO "Pe" 153+00.00. RT
"Pe" 152+89.00. RT TO "Pe" 153+00.00. RT
"Pe" 148+19.00. LT TO "Pe" 149+74.00. LT
"Pe" 148+19.00. LT TO "Pe" 149+74.00. LT
"Pe" 141+92.00. LT TO "Pe" 141+61.00. LT
"Pe" 141+94.00. LT TO "Pe" 141+16.00. LT

㉓ "Pe" 141+43.83. LT (YELLOW), "Pe" 141+50.20. RT (WHITE), "Pe" 141+93.99. RT (YELLOW), "Pe" 141+95.52. LT (WHITE), "Pe" 147+32.52. RT (WHITE), "Pe" 147+46.03. LT (YELLOW), "Pe" 148+03.62. RT (YELLOW), "Pe" 148+18.56. LT (WHITE) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU TOUCH OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 141+00 to "Pe" 153+00

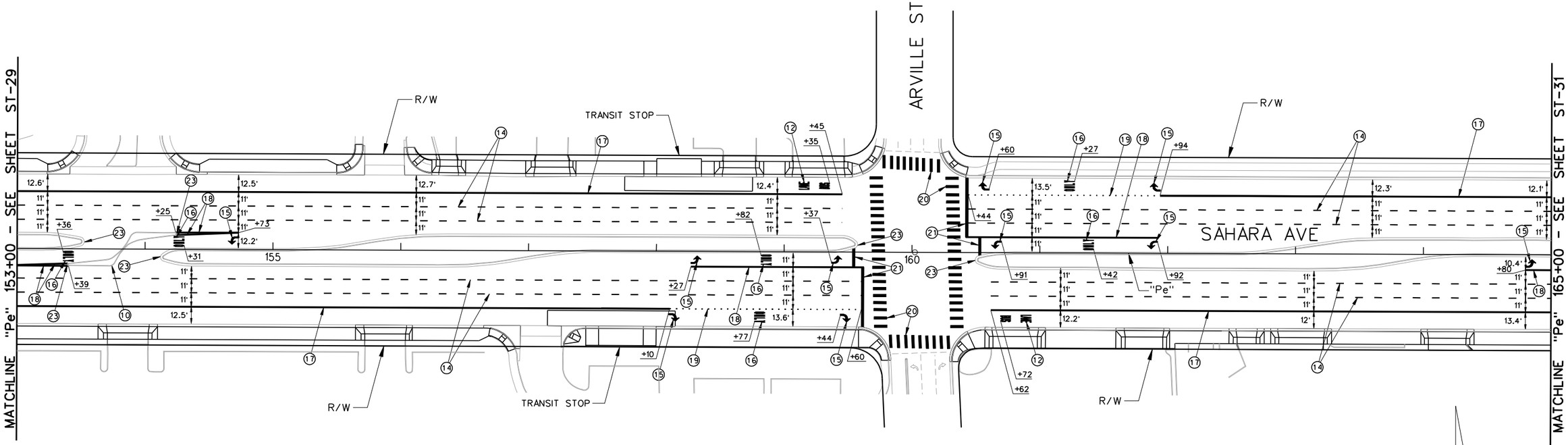
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

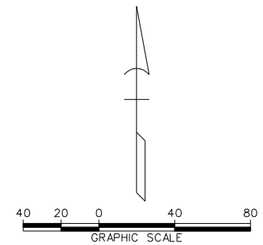
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-29





SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

⑩ "Pe" 153+39.00, RT TO "Pe" 154+25.00, LT — PAINT MEDIAN ISLAND REFLECTIVE WHITE.

⑫ "Pe" 161+72.00, RT TO "Pe" 159+35.00, LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

⑭ "Pe" 153+00.00, RT TO "Pe" 159+60.00, RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

"Pe" 153+00.00, RT TO "Pe" 159+60.00, RT

"Pe" 160+62.00, RT TO "Pe" 165+00.00, RT

"Pe" 160+62.00, RT TO "Pe" 165+00.00, RT

"Pe" 160+44.00, LT TO "Pe" 165+00.00, LT

"Pe" 160+44.00, LT TO "Pe" 165+00.00, LT

"Pe" 153+00.00, LT TO "Pe" 159+45.00, LT

"Pe" 153+00.00, LT TO "Pe" 159+45.00, LT

⑮ "Pe" 158+27.00, RT; "Pe" 139+37.00, RT; "Pe" 158+10.00, RT; "Pe" 159+44.00, RT; "Pe" 164+80.00, RT; "Pe" 162+92.00, LT; "Pe" 160+91.00, LT; "Pe" 154+73.00, LT; "Pe" 161+94.00, LT; "Pe" 160+60.00, LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

⑯ "Pe" 153+36.00, RT; "Pe" 158+77.00, RT; "Pe" 158+82.00, RT; "Pe" 161+42.00, LT; "Pe" 154+31.00, LT; "Pe" 161+27.00, LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

⑰ "Pe" 153+00.00, RT TO "Pe" 158+10.00, RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

"Pe" 160+62.00, RT TO "Pe" 165+00.00, RT

"Pe" 161+94.00, LT TO "Pe" 165+00.00, LT

"Pe" 153+00.00, LT TO "Pe" 159+45.00, LT

⑱ "Pe" 153+00.00, RT TO "Pe" 153+39.00, RT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

"Pe" 153+00.00, RT TO "Pe" 153+39.00, RT

"Pe" 164+80.00, RT TO "Pe" 165+00.00, RT

"Pe" 158+27.00, RT TO "Pe" 169+60.00, RT

"Pe" 160+44.00, LT TO "Pe" 162+92.00, LT

⑲ "Pe" 158+10.00, RT TO "Pe" 159+60.00, RT; "Pe" 160+44.00, LT TO "Pe" 161+94.00, LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

⑳ INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

㉑ INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD T-38.1.3.

㉓ "Pe" 153+39.21, RT (WHITE); "Pe" 153+50.82, LT (YELLOW); "Pe" 154+13.73, RT (YELLOW); "Pe" 154+24.76, LT (WHITE) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 153+00 to "Pe" 165+00

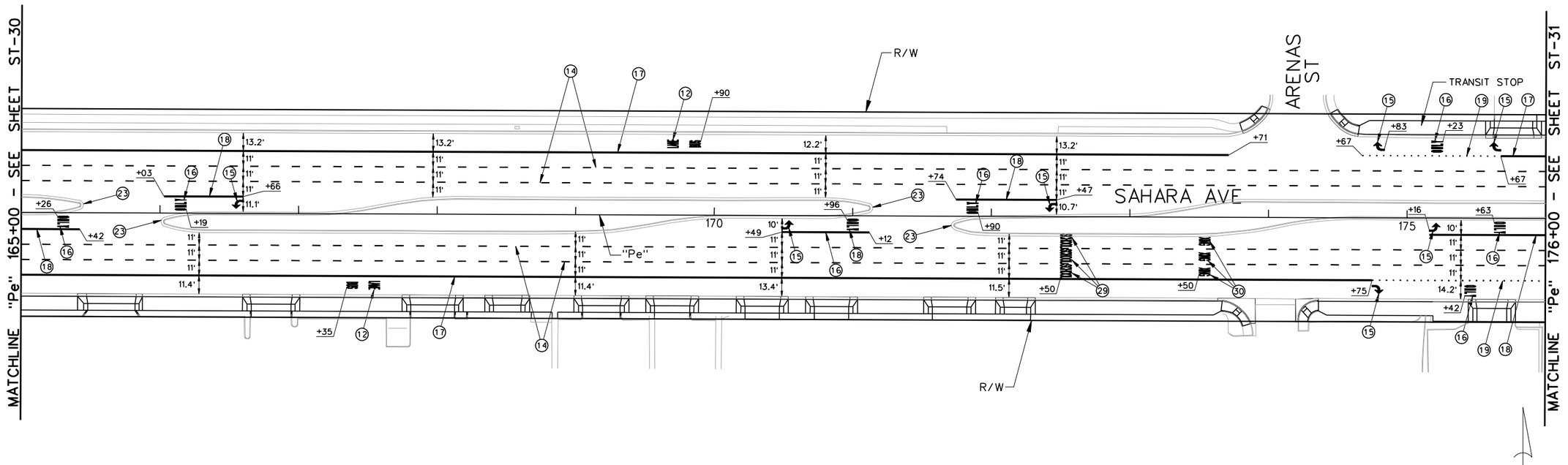
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

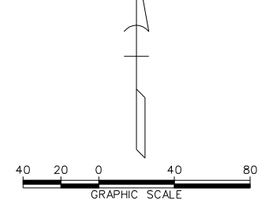
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-30





STRIPING CONSTRUCTION ITEMS:

(12) "Pe" 167+35.00. RT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.
"Pe" 169+90.00. LT

(14) "Pe" 165+00.00. RT TO "Pe" 176+00.00. RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"Pe" 165+00.00. RT TO "Pe" 176+00.00. RT
"Pe" 165+00.00. LT TO "Pe" 176+00.00. LT
"Pe" 165+00.00. LT TO "Pe" 176+00.00. LT

(15) "Pe" 170+49.00. RT, "Pe" 175+16.00. RT, "Pe" 174+75.00. RT, "Pe" 175+67.00. LT, "Pe" 174+83.00. LT, "Pe" 172+47.00. LT, "Pe" 166+66.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(16) "Pe" 165+42.00. RT, "Pe" 170+96.00. RT, "Pe" 171+90.00. LT, "Pe" 175+63.00. RT, "Pe" 166+19.00. LT, "Pe" 175+40.00. RT, "Pe" 175+25.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2).

(17) "Pe" 165+00.00. RT TO "Pe" 174+75.00. RT; "Pe" 175+67.00. LT TO "Pe" 176+00.00. LT; "Pe" 165+00.00. LT TO "Pe" 173+71.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

(18) "Pe" 165+00.00. RT TO "Pe" 165+42.00. RT; "Pe" 170+49.00. RT TO "Pe" 171+12.00. RT; "Pe" 175+37.00. RT TO "Pe" 176+00.00. RT; "Pe" 171+74.00. LT TO "Pe" 172+47.00. LT; "Pe" 166+03.00. RT TO "Pe" 166+66.00. RT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

(19) "Pe" 174+75.00. RT TO "Pe" 176+00.00. RT; "Pe" 174+67.00. LT TO "Pe" 175+67.00. LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(23) "Pe" 165+24.95. RT (YELLOW), "Pe" 166+02.54. RT (YELLOW), "Pe" 171+12.69. RT (YELLOW), "Pe" 171+71.38. RT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

(29) "Pe" 172+50.00. RT, "Pe" 172+50.00. RT, "Pe" 172+50.00. RT — INSTALL SCHOOL LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD. T-38.1.4.

(30) "Pe" 173+50.00. RT, "Pe" 173+50.00. RT, "Pe" 173+50.00. RT — INSTALL XING LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD. T-38.1.4.

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CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 165+00 to "Pe" 176+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. ST-31

Sheet 281 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

APPROVED BY:

Signature On File 3/3/2011
SOUTHERN NEVADA WATER AUTHORITY DATE

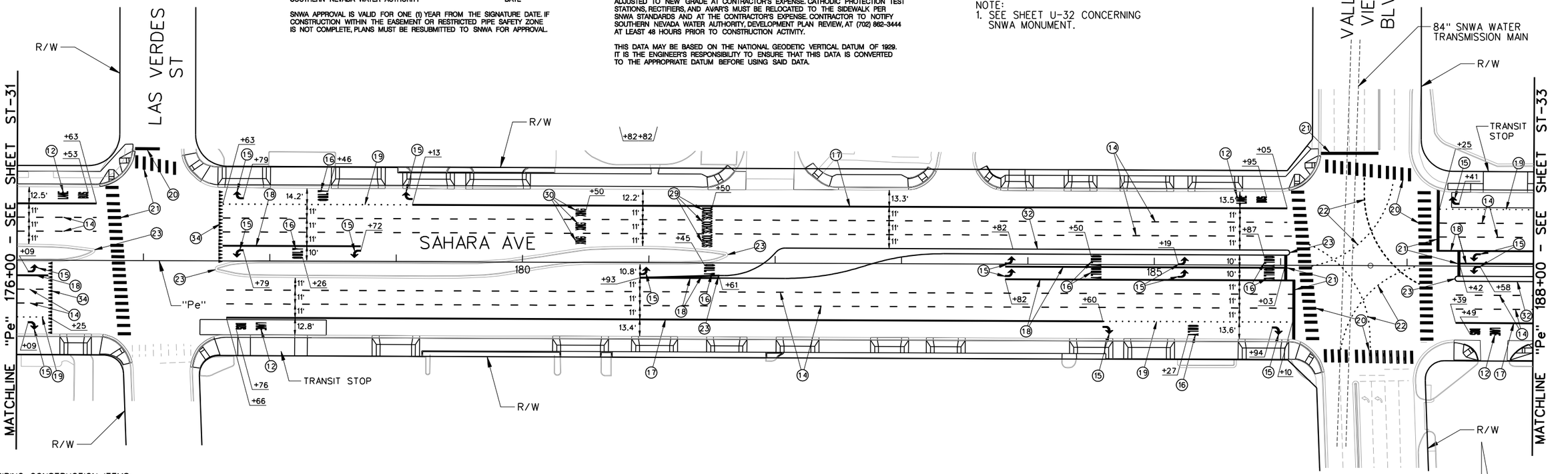
SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

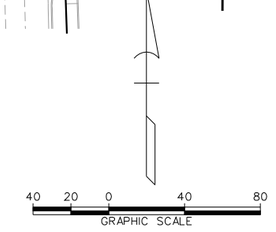
SNWA CONSTRUCTION NOTES:

CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AVAR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AVAR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702) 862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

THIS DATA MAY BE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE THAT THIS DATA IS CONVERTED TO THE APPROPRIATE DATUM BEFORE USING SAID DATA.

NOTE:
1. SEE SHEET U-32 CONCERNING SNWA MONUMENT.





STRIPING CONSTRUCTION ITEMS:

(12) "Pe" 177+76.00. RT, "Pe" 187+49.00. RT, "Pe" 185+95.00. LT, "Pe" 176+53.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

(14) "Pe" 176+00.00. RT TO "Pe" 176+25.00. RT; "Pe" 176+00.00. RT TO "Pe" 176+25.00. RT; "Pe" 177+66.00. RT TO "Pe" 186+10.00. RT; "Pe" 177+66.00. RT TO "Pe" 186+10.00. RT; "Pe" 187+39.00. RT TO "Pe" 188+00.00. RT; "Pe" 187+39.00. RT TO "Pe" 188+00.00. RT; "Pe" 187+25.00. LT TO "Pe" 188+00.00. LT; "Pe" 187+25.00. LT TO "Pe" 188+00.00. LT; "Pe" 177+63.00. LT TO "Pe" 186+05.00. LT; "Pe" 177+63.00. LT TO "Pe" 186+05.00. LT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

(14) "Pe" 176+00.00. LT TO "Pe" 176+63.00. LT; "Pe" 176+00.00. LT TO "Pe" 176+63.00. LT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

(15) "Pe" 176+09.00. RT, "Pe" 176+09.00. RT, "Pe" 180+93.00. RT, "Pe" 183+82.00. RT, "Pe" 183+82.00. LT, "Pe" 185+19.00. RT, "Pe" 185+19.00. LT, "Pe" 184+60.00. RT, "Pe" 185+90.00. RT, "Pe" 187+58.00. RT, "Pe" 187+58.00. LT, "Pe" 187+41.00. LT, "Pe" 178+72.00. LT, "Pe" 177+79.00. RT, "Pe" 177+79.00. LT, "Pe" 179+13.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(16) "Pe" 181+45.00. RT, "Pe" 184+50.00. RT, "Pe" 184+50.00. LT, "Pe" 185+87.00. RT, "Pe" 185+87.00. LT, "Pe" 185+27.00. RT, "Pe" 178+26.00. LT, "Pe" 178+46.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(17) "Pe" 177+66.00. RT TO "Pe" 184+60.00. RT; "Pe" 187+39.00. RT TO "Pe" 188+00.00. RT; "Pe" 179+13.00. LT TO "Pe" 186+05.00. LT; "Pe" 176+00.00. LT TO "Pe" 176+63.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

(18) "Pe" 176+00.00. RT TO "Pe" 176+25.00. RT; "Pe" 180+93.00. RT TO "Pe" 181+61.00. RT; "Pe" 183+82.00. RT TO "Pe" 186+03.00. RT; "Pe" 183+82.00. RT TO "Pe" 186+10.00. RT; "Pe" 187+42.00. LT TO "Pe" 188+00.00. LT; "Pe" 187+25.00. LT TO "Pe" 188+00.00. LT; "Pe" 177+63.00. LT TO "Pe" 178+72.00. LT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

(19) "Pe" 176+00.00. RT TO "Pe" 176+25.00. RT; "Pe" 184+61.00. RT TO "Pe" 186+10.00. RT; "Pe" 187+25.00. LT TO "Pe" 188+00.00. LT; "Pe" 177+63.00. LT TO "Pe" 179+13.00. LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(22) INSTALL DOTTED WHITE LINE (CAT TRACKS) AS SHOWN PER NDOT STD T-37.1. SEE DETAIL SHEET ST-54.

(23) "Pe" 176+59.95. LT (YELLOW), "Pe" 177+58.55. RT (YELLOW), "Pe" 181+63.94. LT (YELLOW), "Pe" 186+07.00. LT (YELLOW), "Pe" 187+38.00. RT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

(29) "Pe" 181+50.00. RT, "Pe" 181+50.00. RT, "Pe" 181+50.00. RT — INSTALL SCHOOL LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD. T-38.1.4.

(30) "Pe" 180+50.00. RT, "Pe" 180+50.00. RT, "Pe" 180+50.00. RT — INSTALL XING LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD. T-38.1.4.

(32) "Pe" 183+82.00. LT TO "Pe" 186+07.00. LT; "Pe" 187+38.00. RT TO "Pe" 188+00.00. RT — PAINT MEDIAN ISLAND REFLECTIVE YELLOW.

(34) "Pe" 176+25.00. RT, "Pe" 177+63.00. LT — INSTALL YEILD LINE AS SHOWN USING PERMANENT PAVEMENT MARKING FILM.

Call 811 before you UnderGround
1-800-227-2600 1-702-432-5300 1-702-227-2929
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 176+00 to "Pe" 188+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

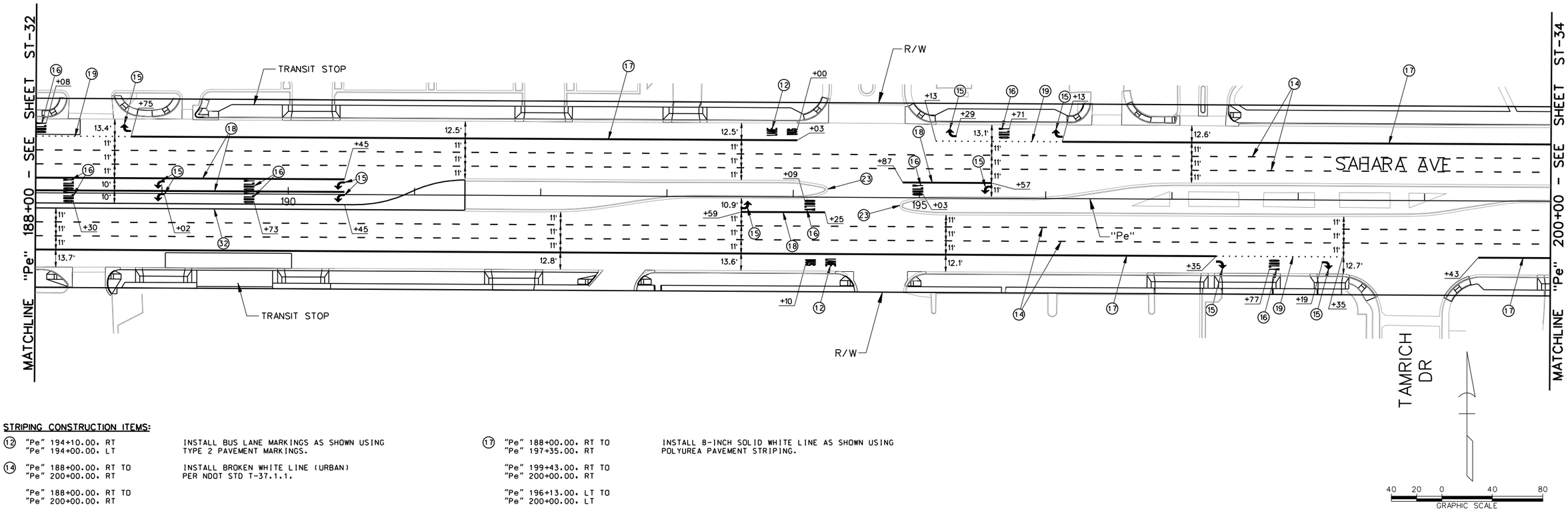
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-32

Sheet 282 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

⑫ "Pe" 194+10.00, RT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS.
"Pe" 194+00.00, LT

⑭ "Pe" 188+00.00, RT TO "Pe" 200+00.00, RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"Pe" 188+00.00, RT TO "Pe" 200+00.00, RT
"Pe" 188+00.00, LT TO "Pe" 200+00.00, LT
"Pe" 188+00.00, LT TO "Pe" 200+00.00, LT

⑮ "Pe" 193+59.00, RT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.
"Pe" 197+35.00, RT
"Pe" 198+19.00, RT
"Pe" 195+57.00, LT
"Pe" 196+13.00, LT
"Pe" 195+29.00, LT
"Pe" 190+45.00, RT
"Pe" 190+45.00, LT
"Pe" 189+02.00, RT
"Pe" 189+02.00, LT
"Pe" 188+25.00, LT

⑯ "Pe" 194+09.00, RT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.
"Pe" 197+77.00, RT
"Pe" 195+03.00, LT
"Pe" 195+71.00, LT
"Pe" 189+73.00, LT
"Pe" 189+73.00, RT
"Pe" 188+30.00, LT
"Pe" 188+30.00, RT

⑰ "Pe" 188+00.00, RT TO "Pe" 197+35.00, RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.
"Pe" 199+43.00, RT TO "Pe" 200+00.00, RT
"Pe" 196+13.00, LT TO "Pe" 200+00.00, LT
"Pe" 188+75.00, LT TO "Pe" 194+03.00, LT

⑱ "Pe" 193+59.00, RT TO "Pe" 194+25.00, RT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.
"Pe" 194+87.00, LT TO "Pe" 195+57.00, LT
"Pe" 188+00.00, RT TO "Pe" 190+45.00, RT
"Pe" 188+00.00, RT TO "Pe" 190+45.00, RT

⑲ "Pe" 188+00.00, LT TO "Pe" 188+75.00, LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.
"Pe" 197+35.00, RT TO "Pe" 198+35.00, RT
"Pe" 195+13.00, LT TO "Pe" 196+13.00, LT

㉓ "Pe" 194+25.59, LT (YELLOW) "Pe" 195+07.05, RT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

㉜ "Pe" 188+00.00, RT TO "Pe" 190+45.00, RT — PAINT MEDIAN ISLAND REFLECTIVE YELLOW.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
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1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 188+00 to "Pe" 200+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

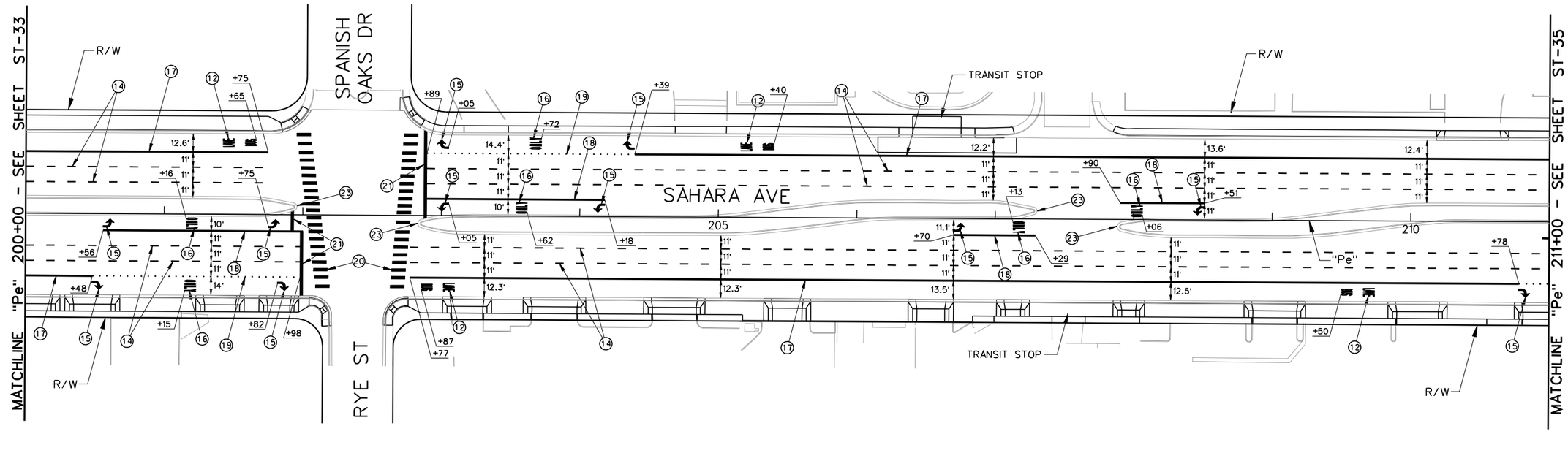
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-33

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

(12) "Pe" 202+87.00, RT
"Pe" 209+50.00, RT
"Pe" 205+40.00, LT
"Pe" 201+65.00, LT
INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

(14) "Pe" 200+00.00, RT TO "Pe" 201+98.00, RT
"Pe" 200+00.00, RT TO "Pe" 201+98.00, RT
"Pe" 202+77.00, RT TO "Pe" 211+00.00, RT
"Pe" 202+77.00, RT TO "Pe" 211+00.00, RT
"Pe" 202+89.00, LT TO "Pe" 211+00.00, LT
"Pe" 202+89.00, LT TO "Pe" 211+00.00, LT
"Pe" 200+00.00, LT TO "Pe" 201+75.00, LT
"Pe" 200+00.00, LT TO "Pe" 201+75.00, LT
INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

(15) "Pe" 200+56.00, RT
"Pe" 201+75.00, RT
"Pe" 206+70.00, RT
"Pe" 200+48.00, RT
"Pe" 201+82.00, RT
"Pe" 210+78.00, RT
"Pe" 208+51.00, LT
"Pe" 204+18.00, LT
"Pe" 203+05.00, LT
"Pe" 204+39.00, LT
"Pe" 203+05.00, LT
INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

(16) "Pe" 201+16.00, RT
"Pe" 207+13.00, RT
"Pe" 201+15.00, RT
"Pe" 208+06.00, LT
"Pe" 203+62.00, LT
"Pe" 203+72.00, LT
INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

(17) "Pe" 200+00.00, RT TO "Pe" 200+48.00, RT
"Pe" 202+77.00, RT TO "Pe" 211+00.00, RT
"Pe" 204+39.00, LT TO "Pe" 211+00.00, LT
"Pe" 200+00.00, LT TO "Pe" 201+75.00, LT
INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

(18) "Pe" 200+56.00, RT TO "Pe" 201+98.00, RT
"Pe" 206+70.00, RT TO "Pe" 207+29.00, RT
"Pe" 207+90.00, LT TO "Pe" 208+51.00, LT
"Pe" 202+89.00, LT TO "Pe" 204+18.00, LT
INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

(19) "Pe" 200+48.00, RT TO "Pe" 201+98.00, RT
"Pe" 202+89.00, LT TO "Pe" 204+39.00, LT
INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(23) "Pe" 201+94.17, LT (YELLOW)
"Pe" 202+84.78, RT (YELLOW)
"Pe" 207+13.02, LT (YELLOW)
"Pe" 207+89.66, RT (YELLOW)
INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 200+00 to "Pe" 211+00

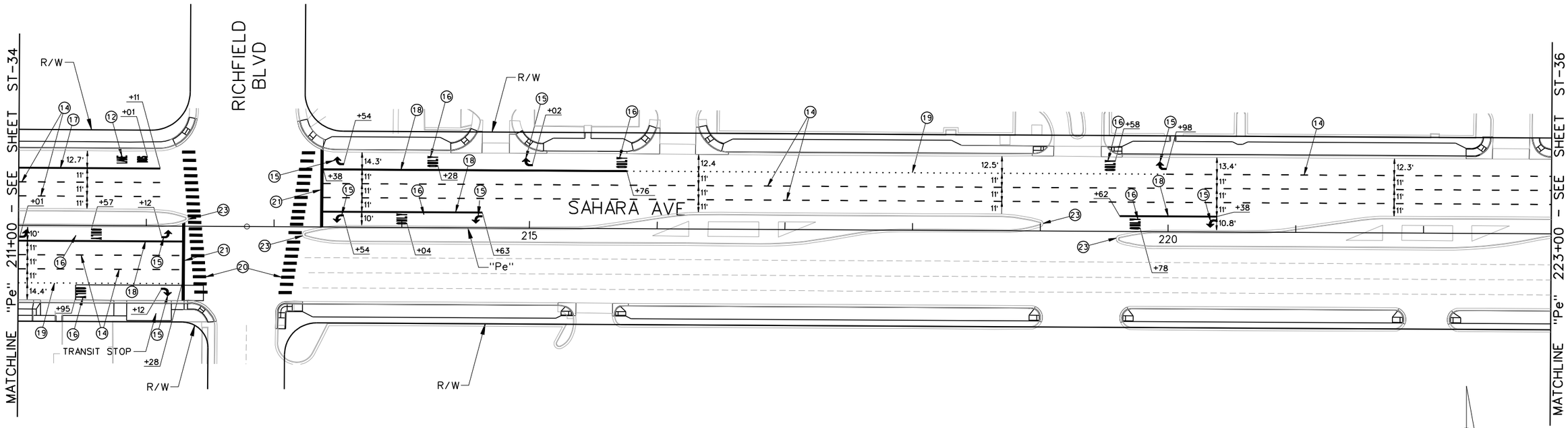
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

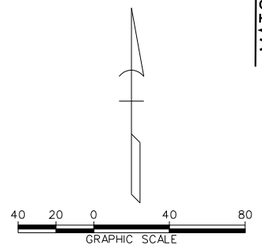
PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-34





SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

⑫ "Pe" 221+01.00, LT — INSTALL BUS LANE MARKINGS AS SHOWN.

⑭ "Pe" 211+00.00, RT TO "Pe" 212+28.00, RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"Pe" 211+00.00, RT TO "Pe" 212+28.00, RT
"Pe" 219+98.00, LT TO "Pe" 223+00.00, LT
"Pe" 213+38.00, LT TO "Pe" 223+00.00, LT
"Pe" 213+38.00, LT TO "Pe" 223+00.00, LT
"Pe" 211+00.00, LT TO "Pe" 212+11.00, LT
"Pe" 211+00.00, LT TO "Pe" 212+11.00, LT

⑮ "Pe" 211+01.00, RT, "Pe" 212+12.00, RT, "Pe" 212+12.00, RT, "Pe" 220+38.00, LT, "Pe" 219+98.00, LT, "Pe" 215+02.00, LT, "Pe" 213+54.00, LT, "Pe" 214+63.00, LT, "Pe" 213+54.00, LT — INSTALL ARROW LEGENDS AS SHOWN USING RTPERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS: T-37-1.1, T-37.1.2, AND T-37.1.4.

⑯ "Pe" 211+57.00, RT, "Pe" 211+95.00, RT, "Pe" 219+78.00, LT, "Pe" 219+58.00, LT, "Pe" 215+76.00, LT, "Pe" 214+28.00, LT, "Pe" 214+04.00, LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

⑰ "Pe" 211+00.00, RT TO "Pe" 212+11.00, RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

⑱ "Pe" 211+01.00, RT TO "Pe" 212+28.00, RT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.
"Pe" 219+62.00, LT TO "Pe" 220+38.00, LT
"Pe" 213+38.00, LT TO "Pe" 214+63.00, LT
"Pe" 213+38.00, LT TO "Pe" 215+76.00, LT

⑲ "Pe" 211+00.00, RT TO "Pe" 212+28.00, RT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.
"Pe" 215+76.00, LT TO "Pe" 219+98.00, LT

⑳ INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

㉑ INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

㉓ "Pe" 212+31.31, LT (YELLOW), "Pe" 213+24.00, RT (YELLOW), "Pe" 219+00.41, LT (YELLOW), "Pe" 219+61.06, RT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 211+00 to "Pe" 223+00

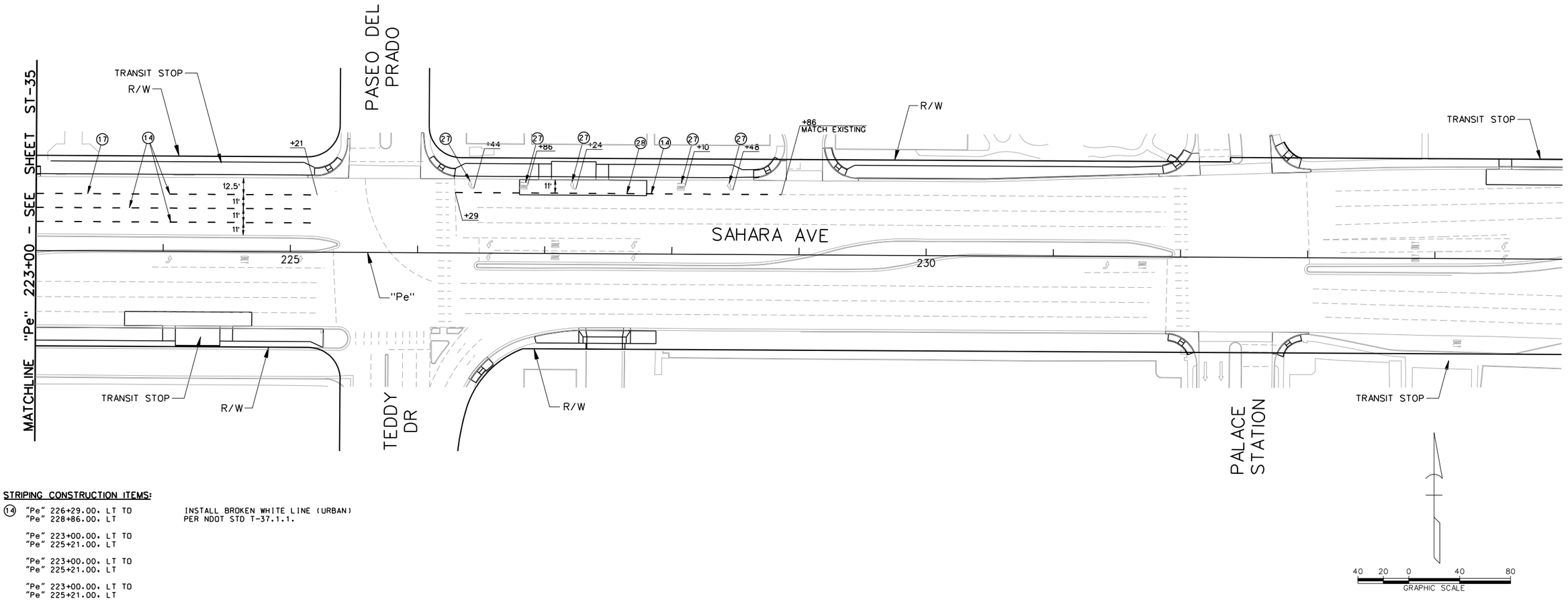
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-35



STRIPING CONSTRUCTION ITEMS:

(14)	"Pe" 226+29.00, LT TO "Pe" 228+86.00, LT	INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
	"Pe" 223+00.00, LT TO "Pe" 225+21.00, LT	
	"Pe" 223+00.00, LT TO "Pe" 225+21.00, LT	
	"Pe" 223+00.00, LT TO "Pe" 225+21.00, LT	
(27)	"Pe" 226+44.00, LT "Pe" 226+86.00, LT "Pe" 227+24.00, LT "Pe" 228+10.00, LT "Pe" 228+48.00, LT	REMOVE PAVEMENT MARKING LEGENDS AS SHOWN.
(28)	"Pe" 226+29.00, LT TO "Pe" 228+86.00, LT	REMOVE 8-INCH SOLID WHITE LINE (STORAGE) AS SHOWN.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
Call before you hit overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"Pe" 223+00 to "Pe" 235+00

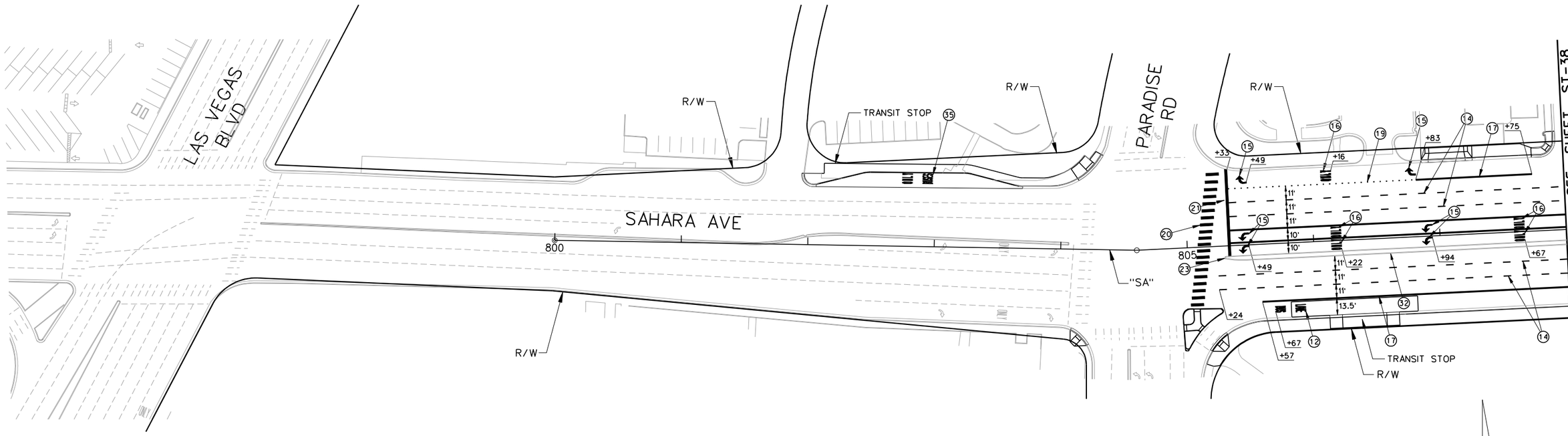
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-36



AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

⑫ "SA" 805+67.00. RT — INSTALL BUS LANE MARKINGS AS SHOWN.USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

⑭ "SA" 805+24.00. RT TO "SA" 808+00.00. RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

"SA" 805+24.00. RT TO "SA" 808+00.00. RT

"SA" 805+33.00. LT TO "SA" 808+00.00. LT

"SA" 805+33.00. LT TO "SA" 808+00.00. LT

⑮ "SA" 806+94.00. RT, "SA" 806+94.00. LT, "SA" 805+49.00. RT, "SA" 805+49.00. LT, "SA" 806+83.00. LT, "SA" 805+49.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

⑯ "SA" 807+67.00. RT, "SA" 807+67.00. LT, "SA" 806+22.00. RT, "SA" 806+22.00. LT, "SA" 806+16.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

⑰ "SA" 805+57.00. RT TO "SA" 808+00.00. RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

"SA" 806+83.00. LT TO "SA" 841+75.00. LT

⑱ "SA" 805+33.00. LT TO "SA" 808+00.00. LT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

"SA" 805+33.00. LT TO "SA" 808+00.00. LT

⑲ "SA" 805+33.00. LT TO "SA" 806+83.00. LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

⑳ INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

㉑ INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

㉓ "SA" 805+29.38. RT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS.

㉜ "SA" 805+24.00. RT TO "SA" 808+00.00. RT — PAINT MEDIAN ISLAND REFLECTIVE YELLOW.

㉟ "SA" 802+98.00. LT — INSTALL BUSES ONLY LEGEND AS SHOWN USING TYPE 2 PAVEMENT MARKINGS FILM PER USDCCA DWG NO. 234.1

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 800+00 to "SA" 820+00

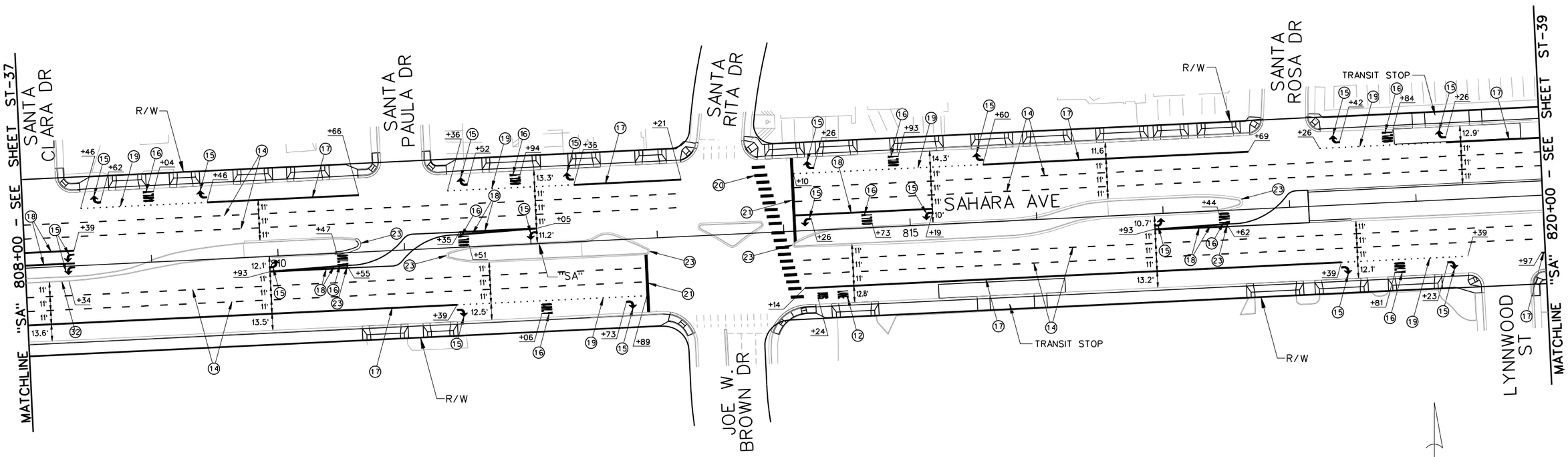
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. ST-37



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

(12) "SA" 814+24.00, RT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

(14) "SA" 808+00.00, RT TO "SA" 812+89.00, RT; "SA" 808+00.00, RT TO "SA" 812+89.00, RT; "SA" 814+14.00, RT TO "SA" 820+00.00, RT; "SA" 814+14.00, RT TO "SA" 820+00.00, RT; "SA" 814+10.00, LT TO "SA" 820+00.00, LT; "SA" 814+10.00, LT TO "SA" 820+00.00, LT; "SA" 808+00.00, LT TO "SA" 813+21.00, LT; "SA" 808+00.00, LT TO "SA" 813+21.00, LT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

(15) "SA" 809+96.00, RT; "SA" 811+39.00, RT; "SA" 812+73.00, RT; "SA" 816+93.00, RT; "SA" 818+39.00, RT; "SA" 819+28.00, RT; "SA" 815+19.00, LT; "SA" 814+26.00, LT; "SA" 808+93.00, RT; "SA" 808+93.00, LT; "SA" 812+05.00, LT; "SA" 819+26.00, LT; "SA" 818+42.00, LT; "SA" 815+60.00, LT; "SA" 814+26.00, LT; "SA" 812+36.00, LT; "SA" 811+52.00, LT; "SA" 809+46.00, LT; "SA" 808+62.00, LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

(16) "SA" 810+57.00, RT; "SA" 812+06.00, RT; "SA" 818+81.00, RT; "SA" 818+84.00, LT; "SA" 817+46.00, LT; "SA" 814+93.00, LT; "SA" 814+73.00, LT; "SA" 811+94.00, LT; "SA" 811+51.00, LT; "SA" 809+04.00, LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

(17) "SA" 808+00.00, RT TO "SA" 811+39.00, RT; "SA" 814+14.00, RT TO "SA" 818+39.00, RT; "SA" 819+26.00, LT TO "SA" 820+00.00, LT; "SA" 815+60.00, LT TO "SA" 817+69.00, LT; "SA" 812+36.00, LT TO "SA" 813+21.00, LT; "SA" 809+46.00, LT TO "SA" 810+66.00, LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

(18) "SA" 809+93.00, RT TO "SA" 810+55.00, RT; "SA" 809+93.00, RT TO "SA" 810+55.00, RT; "SA" 816+93.00, RT TO "SA" 817+62.00, RT; "SA" 816+93.00, RT TO "SA" 817+62.00, RT; "SA" 814+10.00, LT TO "SA" 815+19.00, LT; "SA" 811+35.00, LT TO "SA" 812+05.00, LT; "SA" 811+35.00, LT TO "SA" 812+05.00, LT; "SA" 808+00.00, LT TO "SA" 808+39.00, LT; "SA" 808+00.00, LT TO "SA" 808+39.00, LT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

(19) "SA" 811+39.00, RT TO "SA" 812+89.00, RT; "SA" 818+39.00, RT TO "SA" 819+39.00, RT; "SA" 818+26.00, LT TO "SA" 819+26.00, LT; "SA" 814+10.00, LT TO "SA" 815+60.00, LT; "SA" 811+36.00, LT TO "SA" 812+36.00, LT; "SA" 808+46.00, LT TO "SA" 809+46.00, LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

40 20 0 40 80
GRAPHIC SCALE

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(23) "SA" 810+63.72, LT (YELLOW); "SA" 810+54.00, RT (WHITE); "SA" 811+33.96, RT (YELLOW); "SA" 811+34.00, LT (WHITE); "SA" 814+07.39, LT (YELLOW); "SA" 817+61.42, LT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

(32) "SA" 808+00.00, RT TO "SA" 808+34.00, RT — PAINT MEDIAN ISLAND REFLECTIVE YELLOW.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
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FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 808+00 to "SA" 820+00

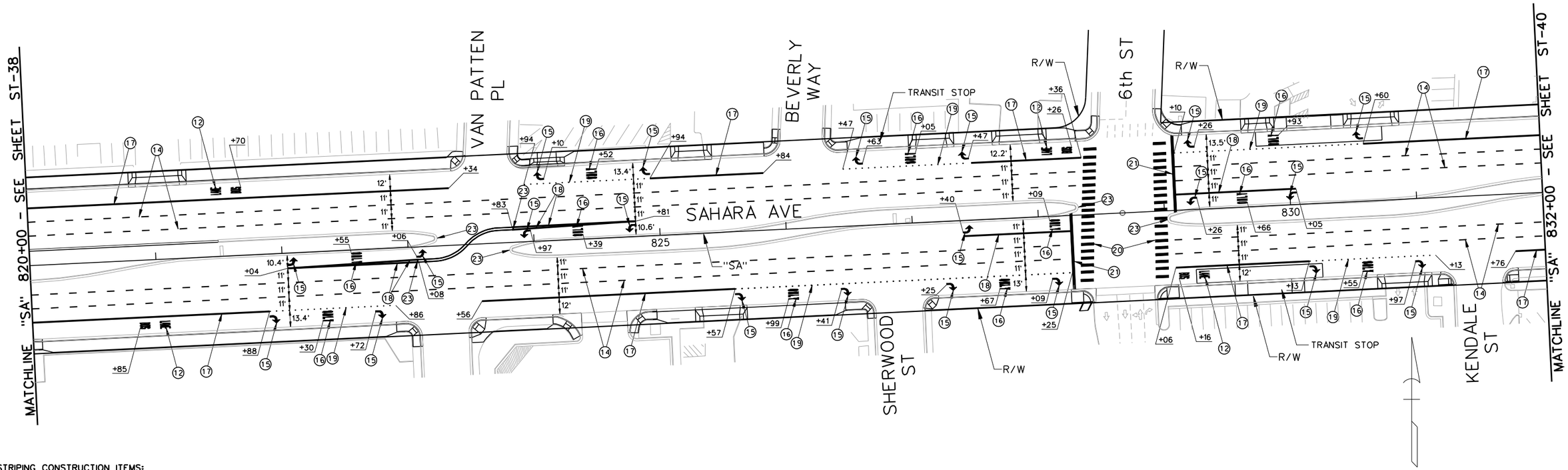
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-38



STRIPING CONSTRUCTION ITEMS:

(12) "SA" 820+85.00. RT, "SA" 829+16.00. RT, "SA" 828+26.00. LT, "SA" 821+70.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

(14) "SA" 820+00.00. RT TO "SA" 828+25.00. RT; "SA" 820+00.00. RT TO "SA" 828+25.00. RT; "SA" 829+06.00. RT TO "SA" 832+00.00. RT; "SA" 829+06.00. RT TO "SA" 832+00.00. RT; "SA" 829+10.00. LT TO "SA" 832+00.00. LT; "SA" 829+10.00. LT TO "SA" 832+00.00. LT; "SA" 820+00.00. LT TO "SA" 828+36.00. LT; "SA" 820+00.00. LT TO "SA" 828+36.00. LT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

(15) "SA" 821+88.00. RT, "SA" 822+04.00. RT, "SA" 822+72.00. RT, "SA" 823+06.00. RT, "SA" 825+57.00. RT, "SA" 826+41.00. RT, "SA" 827+25.00. RT, "SA" 827+40.00. RT, "SA" 828+09.00. RT, "SA" 830+13.00. RT, "SA" 830+97.00. RT, "SA" 830+60.00. LT, "SA" 830+05.00. LT, "SA" 829+26.00. LT, "SA" 826+29.00. LT, "SA" 827+47.00. LT, "SA" 826+63.00. LT, "SA" 824+94.00. LT, "SA" 824+81.00. LT, "SA" 824+10.00. LT, "SA" 823+97.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2. AND T-37.1.4.

(16) "SA" 822+30.00. RT, "SA" 822+55.00. RT, "SA" 825+99.00. RT, "SA" 827+67.00. RT, "SA" 828+09.00. RT, "SA" 830+55.00. RT, "SA" 829+93.00. LT, "SA" 829+66.00. LT, "SA" 827+05.00. LT, "SA" 824+52.00. LT, "SA" 824+39.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2. AND T-37.1.4.

(17) "SA" 820+00.00. RT TO "SA" 821+88.00. RT; "SA" 823+56.00. RT TO "SA" 825+57.00. RT; "SA" 829+06.00. RT TO "SA" 830+13.00. RT; "SA" 831+76.00. RT TO "SA" 832+00.00. RT; "SA" 830+60.00. LT TO "SA" 832+00.00. LT; "SA" 827+47.00. LT TO "SA" 828+36.00. LT; "SA" 824+94.00. LT TO "SA" 825+84.00. LT; "SA" 820+00.00. LT TO "SA" 823+34.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

(18) "SA" 822+04.00. RT TO "SA" 823+22.00. RT; "SA" 827+40.00. RT TO "SA" 828+25.00. RT; "SA" 829+10.00. LT TO "SA" 830+05.00. LT; "SA" 823+81.00. LT TO "SA" 824+81.00. LT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

(19) "SA" 821+89.00. RT TO "SA" 822+89.00. RT; "SA" 825+57.00. RT TO "SA" 828+25.00. RT; "SA" 830+13.00. RT TO "SA" 831+13.00. RT; "SA" 829+10.00. LT TO "SA" 830+60.00. LT; "SA" 826+47.00. LT TO "SA" 827+47.00. LT; "SA" 823+94.00. LT TO "SA" 824+94.00. LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(23) "SA" 823+20.77. LT (YELLOW), "SA" 523+64.18. RT (YELLOW), "SA" 828+30.23. LT (YELLOW), "SA" 829+03.82. RT (YELLOW), "SA" 823+07.00. RT (WHITE), "SA" 823+84.00. RT (WHITE) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 820+00 to "SA" 832+00

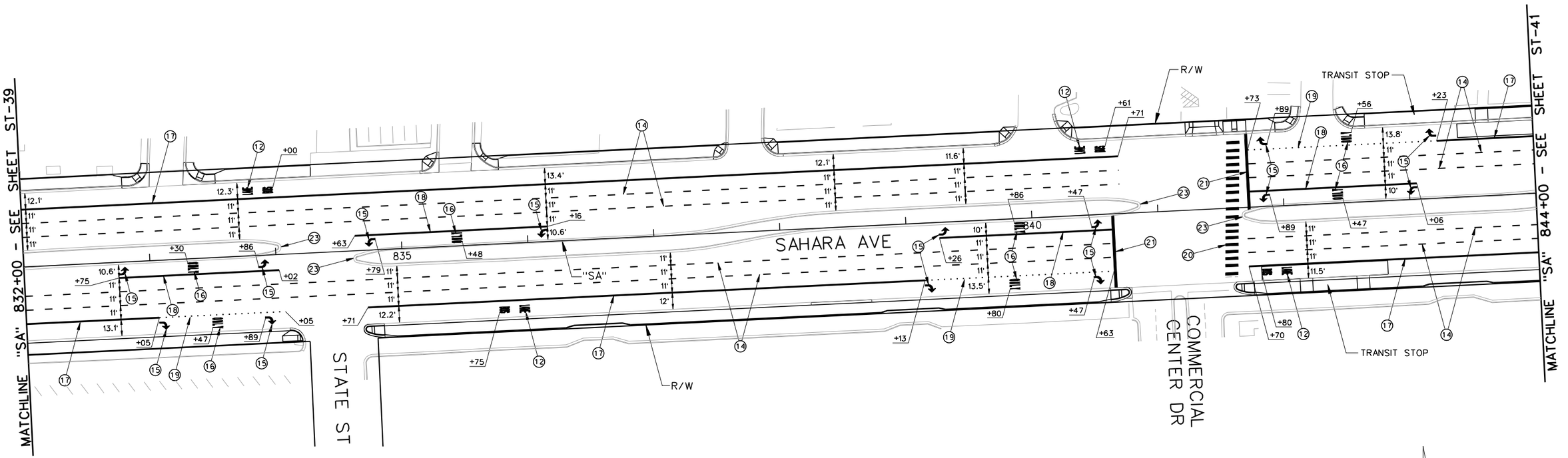
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE: HORIZ: AS SHOWN; VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-39



STRIPING CONSTRUCTION ITEMS:

⑫ "SA" 835+75.00. RT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.
"SA" 841+80.00. RT
"SA" 840+61.00. LT
"SA" 834+00.00. LT

⑭ "SA" 832+00.00. RT TO "SA" 840+63.00. RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"SA" 832+00.00. RT TO "SA" 840+63.00. RT
"SA" 841+70.00. RT TO "SA" 844+00.00. RT
"SA" 841+70.00. RT TO "SA" 844+00.00. RT
"SA" 841+73.00. LT TO "SA" 844+00.00. LT
"SA" 841+73.00. LT TO "SA" 844+00.00. LT
"SA" 932+00.00. LT TO "SA" 840+71.00. LT
"SA" 932+00.00. LT TO "SA" 840+71.00. LT

⑮ "SA" 832+75.00. RT
"SA" 833+86.00. RT
"SA" 839+26.00. RT
"SA" 840+47.00. RT
"SA" 843+06.00. LT
"SA" 840+89.00. LT
"SA" 836+16.00. LT
"SA" 834+79.00. LT
"SA" 833+05.00. RT
"SA" 833+89.00. RT
"SA" 839+13.00. RT
"SA" 840+47.00. RT
"SA" 841+23.00. LT
"SA" 843+89.00. LT
— INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

⑯ "SA" 833+30.00. RT
"SA" 839+86.00. RT
"SA" 842+47.00. RT
"SA" 835+48.00. LT
"SA" 833+47.00. RT
"SA" 839+80.00. RT
"SA" 842+56.00. LT
— INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2).

⑰ "SA" 832+00.00. RT TO "SA" 833+05.00. RT
"SA" 834+71.00. RT TO "SA" 839+13.00. RT
"SA" 841+70.00. RT TO "SA" 844+00.00. RT
"SA" 843+23.00. LT TO "SA" 844+00.00. LT
"SA" 832+00.00. LT TO "SA" 840+71.00. LT
— INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

⑱ "SA" 832+75.00. RT TO "SA" 834+02.00. RT
"SA" 839+26.00. RT TO "SA" 840+63.00. RT
"SA" 841+73.00. LT TO "SA" 843+06.00. LT
"SA" 834+63.00. LT TO "SA" 836+16.00. LT
— INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

⑲ "SA" 834+05.00. RT TO "SA" 835+05.00. RT
"SA" 839+13.00. RT TO "SA" 840+63.00. RT
"SA" 841+73.00. LT TO "SA" 843+23.00. LT
— INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

⑳ INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

㉑ INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.
"SA" 834+63.11. RT (YELLOW)
"SA" 840+84.69. LT (YELLOW)
"SA" 841+68.20. RT (YELLOW)
"SA" 834+05.00. LT (YELLOW)
— INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:
1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

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AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
STRIPING PLAN
"SA" 832+00 to "SA" 844+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

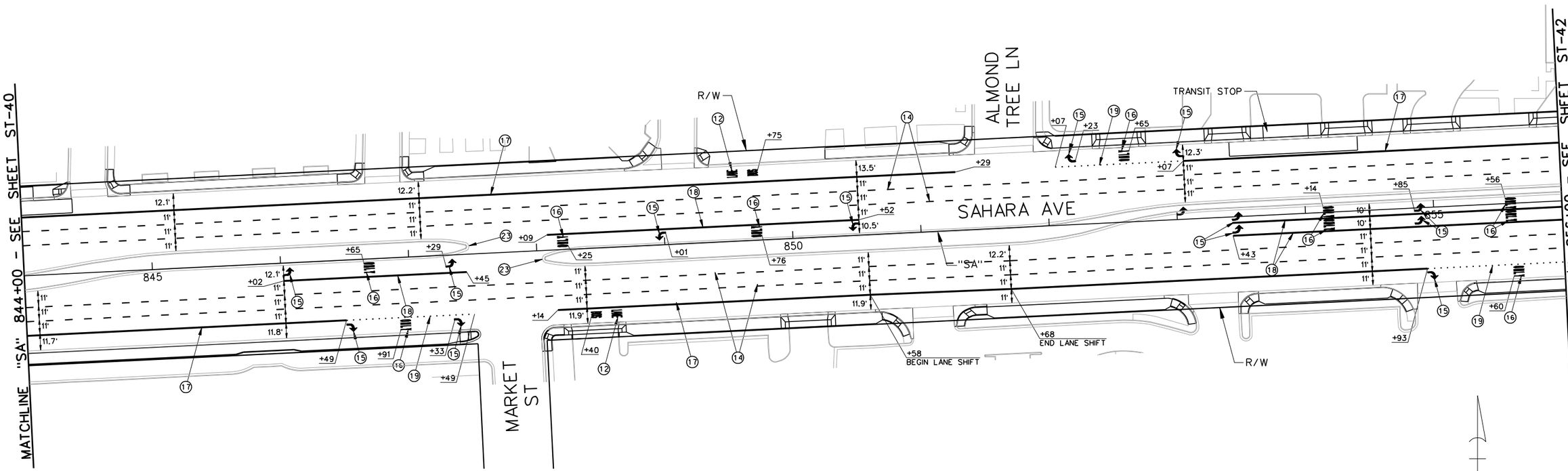
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-40
Sheet 290 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

(12) "SA" 848+40.00. RT — INSTALL BUS LANE MARKINGS AS SHOWN USING
"SA" 849+75.00. LT — TYPE 2 PAVEMENT MARKINGS.
SEE DETAIL ON SHEET ST-51.

(14) "SA" 844+00.00. RT TO — INSTALL BROKEN WHITE LINE (URBAN)
"SA" 856+00.00. RT — PER NDOT STD T-37.1.1.

"SA" 844+00.00. RT TO
"SA" 856+00.00. RT

"SA" 844+00.00. LT TO
"SA" 856+00.00. LT

"SA" 844+00.00. LT TO
"SA" 856+00.00. LT

(15) "SA" 846+02.00. RT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT
"SA" 847+29.00. RT — PAVEMENT MARKING FILM (TYPE 2)
"SA" 853+43.00. RT — PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.
"SA" 853+43.00. LT
"SA" 854+85.00. RT
"SA" 854+85.00. LT
"SA" 846+49.00. RT
"SA" 847+33.00. RT
"SA" 854+93.00. RT
"SA" 853+07.00. LT
"SA" 852+23.00. LT
"SA" 850+52.00. LT
"SA" 849+01.00. LT

(16) "SA" 846+65.00. RT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT
"SA" 854+14.00. RT — PAVEMENT MARKING FILM (TYPE 2)
"SA" 854+14.00. LT — PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.
"SA" 855+56.00. RT
"SA" 855+56.00. LT
"SA" 846+91.00. RT
"SA" 855+60.00. RT
"SA" 852+65.00. LT
"SA" 849+76.00. LT
"SA" 848+25.00. LT

(17) "SA" 844+00.00. RT TO — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN
"SA" 846+49.00. RT — USING POLYUREA PAVEMENT STRIPING.

"SA" 848+14.00. RT TO
"SA" 854+93.00. RT

"SA" 843+07.00. LT TO
"SA" 856+00.00. LT

"SA" 844+00.00. LT TO
"SA" 851+29.00. LT

(18) "SA" 846+02.00. RT TO — INSTALL 8-INCH SOLID WHITE LINE (STORAGE)
"SA" 847+45.00. RT — PER NDOT STDS T-37.1.1 AND T-38.1.2.

"SA" 853+43.00. RT TO
"SA" 856+00.00. RT

"SA" 853+43.00. RT TO
"SA" 856+00.00. RT

"SA" 848+09.00. LT TO
"SA" 850+52.00. LT

(19) "SA" 854+93.00. RT TO — INSTALL DOTTED WHITE LINE AS SHOWN
"SA" 856+00.00. RT — USING POLYUREA PAVEMENT STRIPING.
SEE DETAIL ON SHEET ST-51.

"SA" 846+49.00. RT TO
"SA" 847+49.00. RT

"SA" 853+07.00. LT TO
"SA" 854+07.00. LT

(23) "SA" 846+48.67. LT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS
"SA" 848+14.34. RT (YELLOW) — PER NDOT STD T-38.1.5.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CURIOUS
Call 811 or 1-800-227-2600
FAST
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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
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AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 844+00 to "SA" 856+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

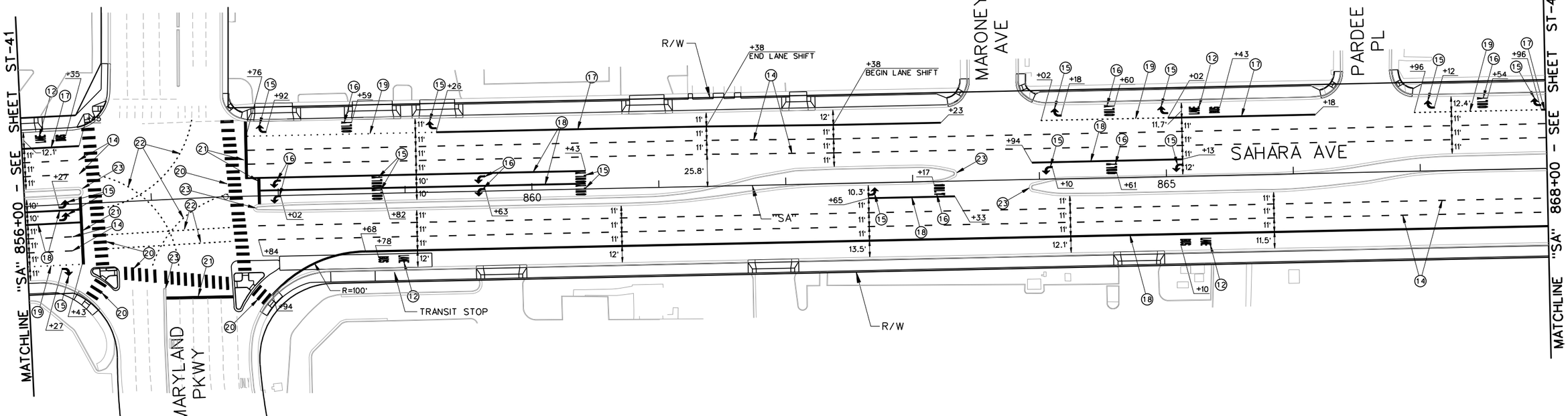
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-41

Sheet 291 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

(12) "SA" 858+78.00, RT
"SA" 856+35.00, LT
"SA" 865+10.00, RT
"SA" 865+43.00, LT
INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

(14) "SA" 856+00.00, RT TO "SA" 856+43.00, RT
"SA" 856+00.00, RT TO "SA" 856+43.00, RT
"SA" 858+40.00, RT TO "SA" 868+00.00, RT
"SA" 858+40.00, RT TO "SA" 868+00.00, RT
"SA" 857+76.00, LT TO "SA" 868+00.00, LT
"SA" 857+76.00, LT TO "SA" 868+00.00, LT
"SA" 856+00.00, LT TO "SA" 856+45.00, LT
"SA" 856+00.00, LT TO "SA" 856+45.00, LT
INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

(15) "SA" 856+27.00, RT
"SA" 856+27.00, LT
"SA" 862+65.00, RT
"SA" 865+13.00, LT
"SA" 864+10.00, LT
"SA" 859+43.00, RT
"SA" 859+43.00, LT
"SA" 858+82.00, RT
"SA" 858+82.00, LT
"SA" 856+27.00, RT
"SA" 867+96.00, LT
"SA" 867+12.00, LT
"SA" 865+02.00, LT
"SA" 864+18.00, LT
"SA" 859+26.00, LT
"SA" 857+92.00, LT
INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

(16) "SA" 863+17.00, RT
"SA" 864+61.00, LT
"SA" 860+63.00, RT
"SA" 860+63.00, LT
"SA" 858+02.00, RT
"SA" 858+02.00, LT
"SA" 867+54.00, LT
"SA" 864+60.00, LT
"SA" 859+59.00, LT
INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

(17) "SA" 857+94.00, RT TO "SA" 868+00.00, RT
"SA" 867+96.00, LT TO "SA" 868+00.00, LT
"SA" 865+02.00, LT TO "SA" 866+18.00, LT
"SA" 859+26.00, LT TO "SA" 863+23.00, LT
"SA" 856+00.00, LT TO "SA" 856+45.00, LT
INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

(18) "SA" 856+00.00, RT TO "SA" 856+43.00, RT
"SA" 856+00.00, RT TO "SA" 856+43.00, RT
"SA" 862+65.00, RT TO "SA" 863+33.00, RT
"SA" 863+94.00, LT TO "SA" 865+13.00, LT
"SA" 857+86.00, LT TO "SA" 860+43.00, LT
"SA" 857+86.00, LT TO "SA" 860+43.00, LT
INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

(19) "SA" 857+86.00, RT TO "SA" 859+36.00, RT
"SA" 866+96.00, LT TO "SA" 867+96.00, LT
"SA" 964+02.00, LT TO "SA" 865+02.00, LT
INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(22) INSTALL DOTTED WHITE LINE (CAT TRACKS) AS SHOWN PER NDOT STD. T-37.1. SEE DETAIL SHEET ST-54.

(23) "SA" 856+46.00, LT (YELLOW)
"SA" 857+82.00, RT (YELLOW)
"SA" 863+33.22, LT (YELLOW)
"SA" 863+93.27, RT (YELLOW)
INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 856+00 to "SA" 868+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

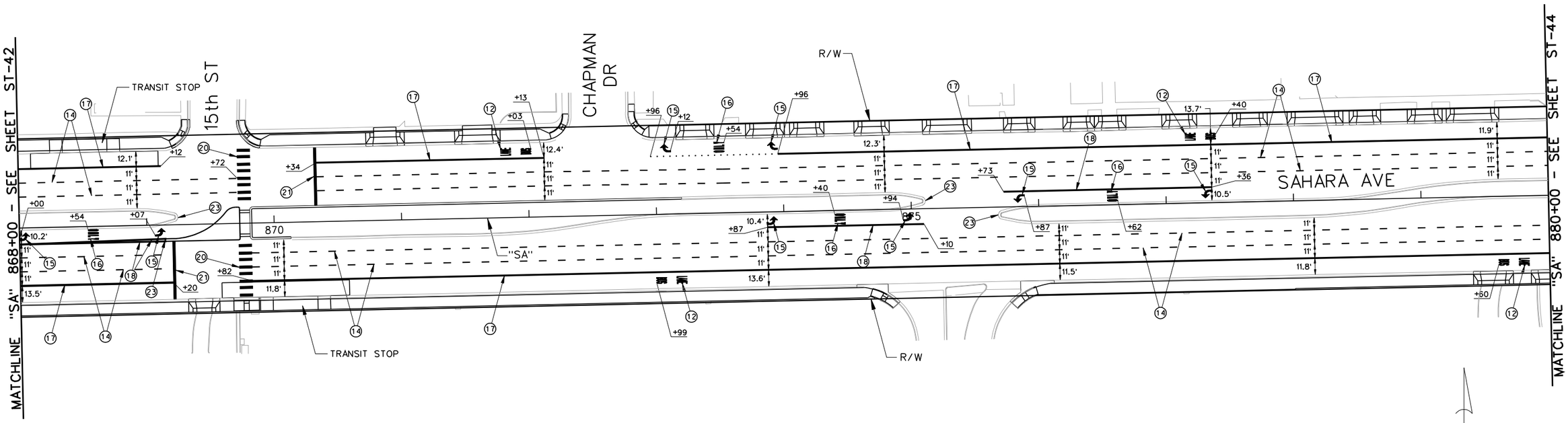
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HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

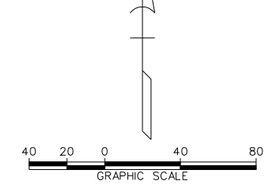
SHEET No. ST-42

Sheet 292 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





STRIPING CONSTRUCTION ITEMS:

(12) "SA" 872+99.00, RT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.
"SA" 879+60.00, RT
"SA" 877+40.00, LT
"SA" 872+03.00, LT

(14) "SA" 868+00.00, RT TO "SA" 869+20.00, RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"SA" 868+00.00, RT TO "SA" 869+20.00, RT
"SA" 869+82.00, RT TO "SA" 880+00.00, RT
"SA" 869+82.00, RT TO "SA" 880+00.00, RT
"SA" 870+34.00, LT TO "SA" 880+00.00, LT
"SA" 870+34.00, LT TO "SA" 880+00.00, LT
"SA" 868+00.00, LT TO "SA" 869+72.00, LT
"SA" 868+00.00, LT TO "SA" 869+72.00, LT

(15) "SA" 868+00.00, RT; "SA" 869+07.00, RT; "SA" 873+87.00, RT; "SA" 874+94.00, RT; "SA" 877+36.00, LT; "SA" 875+87.00, LT; "SA" 873+96.00, LT; "SA" 873+12.00, LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

(16) "SA" 868+54.00, RT; "SA" 874+40.00, RT; "SA" 876+62.00, LT; "SA" 873+54.00, LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

(17) "SA" 868+00.00, RT TO "SA" 869+20.00, RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.
"SA" 869+82.00, RT TO "SA" 880+00.00, RT
"SA" 873+96.00, LT TO "SA" 880+00.00, LT
"SA" 870+34.00, LT TO "SA" 872+13.00, LT
"SA" 868+00.00, LT TO "SA" 869+12.00, LT

(18) "SA" 868+00.00, RT TO "SA" 869+20.00, RT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.
"SA" 868+00.00, RT TO "SA" 869+23.00, RT
"SA" 873+87.00, RT TO "SA" 875+10.00, RT
"SA" 875+73.00, LT TO "SA" 877+36.00, LT

(19) "SA" 872+96.00, LT TO "SA" 873+96.00, LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(23) "SA" 869+22.84, LT (YELLOW); "SA" 868+14.26, RT (WHITE); "SA" 869+83.64, RT (YELLOW); "SA" 874+94.37, LT (YELLOW); "SA" 875+60.19, RT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 868+00 to "SA" 880+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

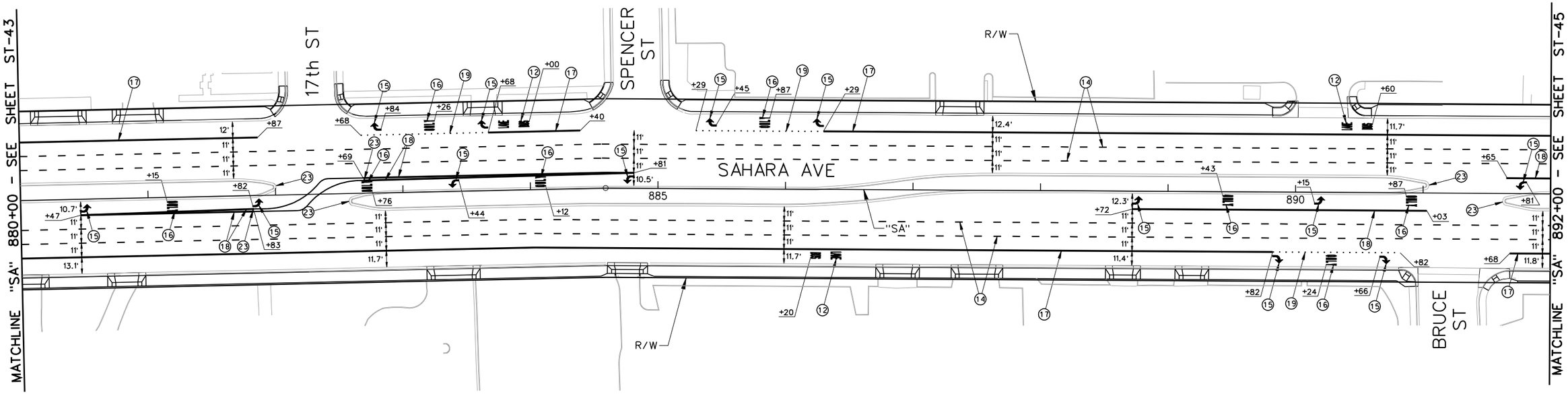
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-43

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

STRIPING CONSTRUCTION ITEMS:

⑫ "SA" 886+20.00. RT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.
"SA" 890+60.00. LT
"SA" 884+00.00. LT

⑭ "SA" 880+00.00. RT TO "SA" 892+00.00. RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"SA" 880+00.00. RT TO "SA" 892+00.00. RT
"SA" 880+00.00. LT TO "SA" 892+00.00. LT
"SA" 880+00.00. LT TO "SA" 892+00.00. LT

⑮ "SA" 880+47.00. RT, "SA" 881+82.00. RT, "SA" 888+72.00. RT, "SA" 890+15.00. RT, "SA" 891+81.00. LT, "SA" 884+81.00. LT, "SA" 883+44.00. LT, "SA" 889+82.00. RT, "SA" 890+66.00. RT, "SA" 886+29.00. LT, "SA" 885+45.00. LT, "SA" 883+68.00. LT, "SA" 884+84.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

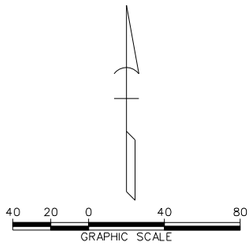
⑯ "SA" 881+15.00. RT, "SA" 889+43.00. RT, "SA" 890+87.00. RT, "SA" 884+12.00. LT, "SA" 882+76.00. LT, "SA" 890+24.00. RT, "SA" 885+87.00. LT, "SA" 883+26.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

⑰ "SA" 880+00.00. RT TO "SA" 889+82.00. RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.
"SA" 891+68.00. RT TO "SA" 892+00.00. RT
"SA" 886+29.00. LT TO "SA" 892+00.00. LT
"SA" 883+68.00. LT TO "SA" 884+40.00. LT
"SA" 880+00.00. LT TO "SA" 881+87.00. LT

⑱ "SA" 880+47.00. RT TO "SA" 881+98.00. RT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.
"SA" 880+74.00. RT TO "SA" 881+98.00. RT
"SA" 888+72.00. RT TO "SA" 891+03.00. RT
"SA" 891+65.00. LT TO "SA" 892+00.00. LT
"SA" 882+69.00. LT TO "SA" 884+81.00. LT
"SA" 882+69.00. LT TO "SA" 894+81.00. LT

⑲ "SA" 889+92.00. RT TO "SA" 890+92.00. RT; "SA" 885+29.00. LT TO "SA" 886+24.00. LT; "SA" 882+68.00. LT TO "SA" 883+68.00. LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

㉓ "SA" 881+91.90. LT (YELLOW), "SA" 882+59.23. RT (YELLOW), "SA" 891+02.92. LT (YELLOW), "SA" 891+55.83. RT (YELLOW), "SA" 881+82.00. RT (WHITE), "SA" 882+70.00. LT (WHITE) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.



AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:
1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
REGIONAL AND NATIONAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

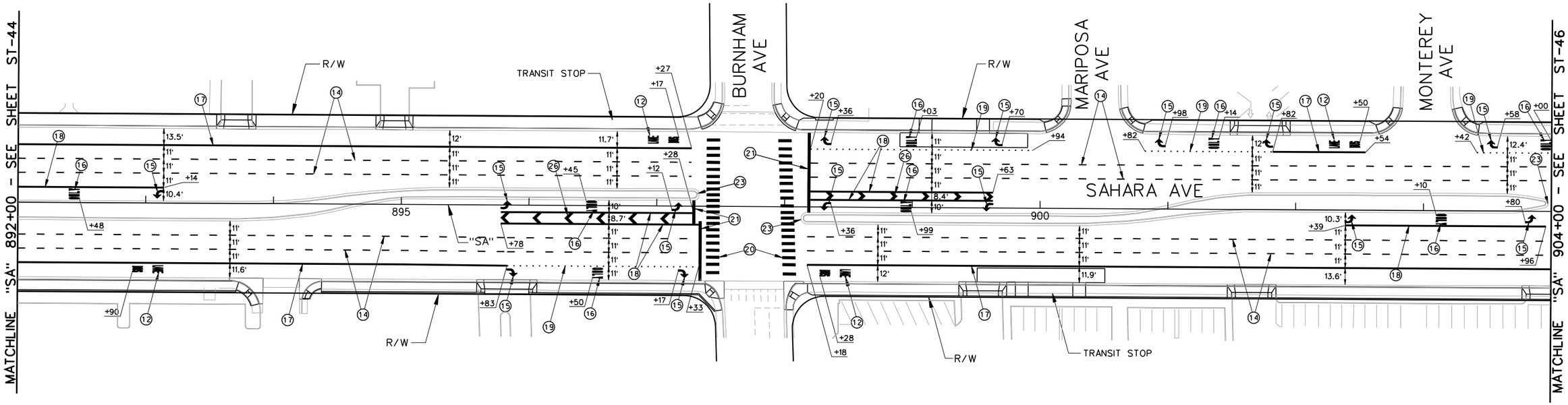
SAHARA AVENUE BUS RAPID TRANSIT PROJECT
STRIPING PLAN
"SA" 880+00 to "SA" 892+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-44



STRIPING CONSTRUCTION ITEMS:

(12) "SA" 892+90.00, RT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.
"SA" 898+28.00, RT
"SA" 902+50.00, LT
"SA" 897+17.00, LT

(14) "SA" 892+00.00, RT TO "SA" 896+33.00, RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"SA" 892+00.00, RT TO "SA" 896+33.00, RT
"SA" 898+18.00, RT TO "SA" 904+00.00, RT
"SA" 898+18.00, RT TO "SA" 904+00.00, RT
"SA" 898+20.00, LT TO "SA" 904+00.00, LT
"SA" 898+20.00, LT TO "SA" 904+00.00, LT
"SA" 892+00.00, LT TO "SA" 896+27.00, LT
"SA" 892+00.00, LT TO "SA" 896+27.00, LT

(15) "SA" 895+78.00, LT
"SA" 897+12.00, LT
"SA" 902+39.00, RT
"SA" 903+80.00, RT
"SA" 895+83.00, RT
"SA" 897+17.00, RT
"SA" 899+63.00, LT
"SA" 898+36.00, LT
"SA" 893+14.00, LT
"SA" 903+58.00, LT
"SA" 901+82.00, LT
"SA" 900+98.00, LT
"SA" 899+94.00, LT
"SA" 898+36.00, LT
— INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1, T-37.1.2. AND T-37.1.4.

(16) "SA" 896+45.00, RT
"SA" 903+10.00, RT
"SA" 898+99.00, LT
"SA" 892+48.00, LT
"SA" 896+50.00, RT
"SA" 904+00.00, LT
"SA" 901+14.00, LT
"SA" 899+03.00, LT
— INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1, T-37.1.2. AND T-37.1.4.

(17) "SA" 892+00.00, RT TO "SA" 895+83.00, RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.
"SA" 898+18.00, RT TO "SA" 904+00.00, RT
"SA" 901+82.00, LT TO "SA" 902+54.00, LT
"SA" 892+00.00, LT TO "SA" 896+27.00, LT

(18) "SA" 895+78.00, RT TO "SA" 897+28.00, RT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.
"SA" 895+78.00, RT TO "SA" 897+33.00, RT
"SA" 902+39.00, RT TO "SA" 904+00.00, RT
"SA" 898+20.00, LT TO "SA" 899+63.00, LT
"SA" 898+20.00, LT TO "SA" 899+63.00, LT

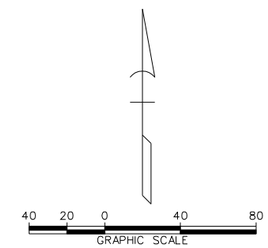
(19) "SA" 898+00.00, RT TO "SA" 893+33.00, RT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.
"SA" 898+20.00, LT TO "SA" 902+82.00, LT
"SA" 903+42.00, LT TO "SA" 904+00.00, LT

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

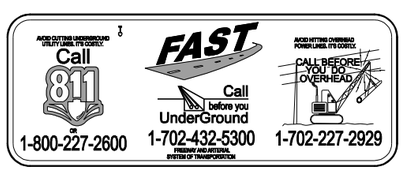
(23) "SA" 897+32.00, LT (YELLOW)
"SA" 898+13.00, RT (YELLOW)
"SA" 903+95.92, LT (YELLOW)
— INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

(26) "SA" 895+78.00, RT TO "SA" 897+33.00, RT
"SA" 898+20.00, LT TO "SA" 899+63.00, LT
— INSTALL CHEVRON MARKINGS (24-INCH SOLID WHITE) AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). SEE DETAIL ON SHEET ST-51.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.



NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 892+00 to "SA" 904+00

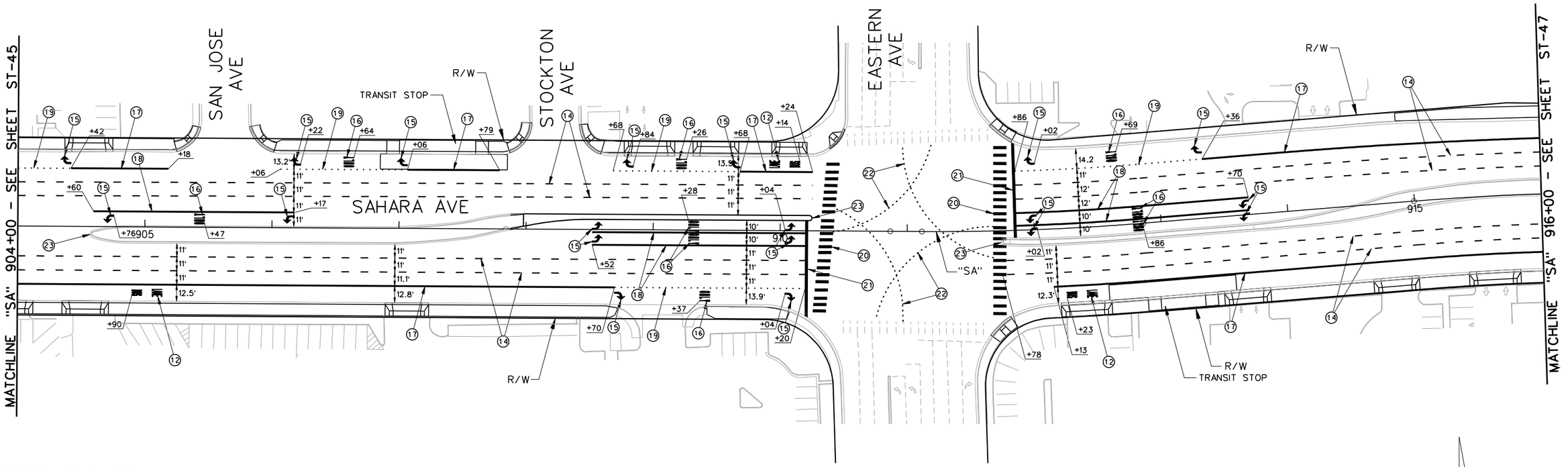
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. ST-45



STRIPING CONSTRUCTION ITEMS:

(12) "SA" 804+90.00. RT
"SA" 912+23.00. RT
"SA" 910+14.00. LT
INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

(14) "SA" 904+00.00. RT TO "SA" 910+20.00. RT
"SA" 904+00.00. RT TO "SA" 910+20.00. RT
"SA" 911+78.00. RT TO "SA" 916+00.00. RT
"SA" 911+78.00. RT TO "SA" 916+00.00. RT
"SA" 911+86.00. LT TO "SA" 916+00.00. LT
"SA" 911+86.00. LT TO "SA" 916+00.00. LT
"SA" 904+00.00. LT TO "SA" 910+24.00. LT
"SA" 904+00.00. LT TO "SA" 910+24.00. LT
INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

(15) "SA" 908+52.00. RT
"SA" 908+52.00. LT
"SA" 910+04.00. RT
"SA" 910+04.00. LT
"SA" 910+04.00. RT
"SA" 908+52.00. RT
"SA" 910+04.00. RT
"SA" 913+70.00. RT
"SA" 913+70.00. LT
"SA" 912+02.00. RT
"SA" 912+02.00. LT
"SA" 916+17.00. LT
"SA" 904+76.00. LT
"SA" 913+36.00. LT
"SA" 912+02.00. LT
"SA" 909+68.00. LT
"SA" 908+84.00. LT
"SA" 907+06.00. LT
"SA" 906+22.00. LT
"SA" 904+42.00. LT
INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(16) "SA" 909+28.00. RT
"SA" 909+28.00. LT
"SA" 912+86.00. RT
"SA" 912+86.00. LT
"SA" 909+26.00. LT
"SA" 906+64.00. LT
"SA" 905+47.00. LT
"SA" 912+69.00. LT
"SA" 909+37.00. RT
INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(17) "SA" 904+00.00. RT TO "SA" 908+70.00. RT
"SA" 912+13.00. RT TO "SA" 916+00.00. RT
"SA" 913+36.00. LT TO "SA" 916+00.00. LT
"SA" 904+42.00. LT TO "SA" 905+18.00. LT
"SA" 909+68.00. LT TO "SA" 910+24.00. LT
"SA" 907+06.00. LT TO "SA" 907+79.00. LT
INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

(18) "SA" 908+52.00. RT TO "SA" 910+20.00. RT
"SA" 908+52.00. RT TO "SA" 910+20.00. RT
"SA" 911+86.00. LT TO "SA" 913+70.00. LT
"SA" 911+86.00. LT TO "SA" 913+70.00. LT
"SA" 904+60.00. LT TO "SA" 906+17.00. LT
INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

(19) "SA" 908+70.00. RT TO "SA" 910+20.00. RT
"SA" 911+86.00. LT TO "SA" 913+36.00. LT
"SA" 908+68.00. LT TO "SA" 909+68.00. LT
"SA" 906+22.00. LT TO "SA" 907+22.00. LT
"SA" 904+00.00. LT TO "SA" 904+42.00
INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(22) INSTALL DOTTED WHITE LINE (CAT TRACKS) AS SHOWN PER NDOT STD. T-37.1. SEE DETAIL ON SHEET ST-54.

(23) "SA" 904+94.88. RT (YELLOW)
"SA" 910+25.00. LT (YELLOW)
"SA" 911+75.01. RT (YELLOW)
INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
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AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
PRIORITY AND MATERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 904+00 to "SA" 916+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

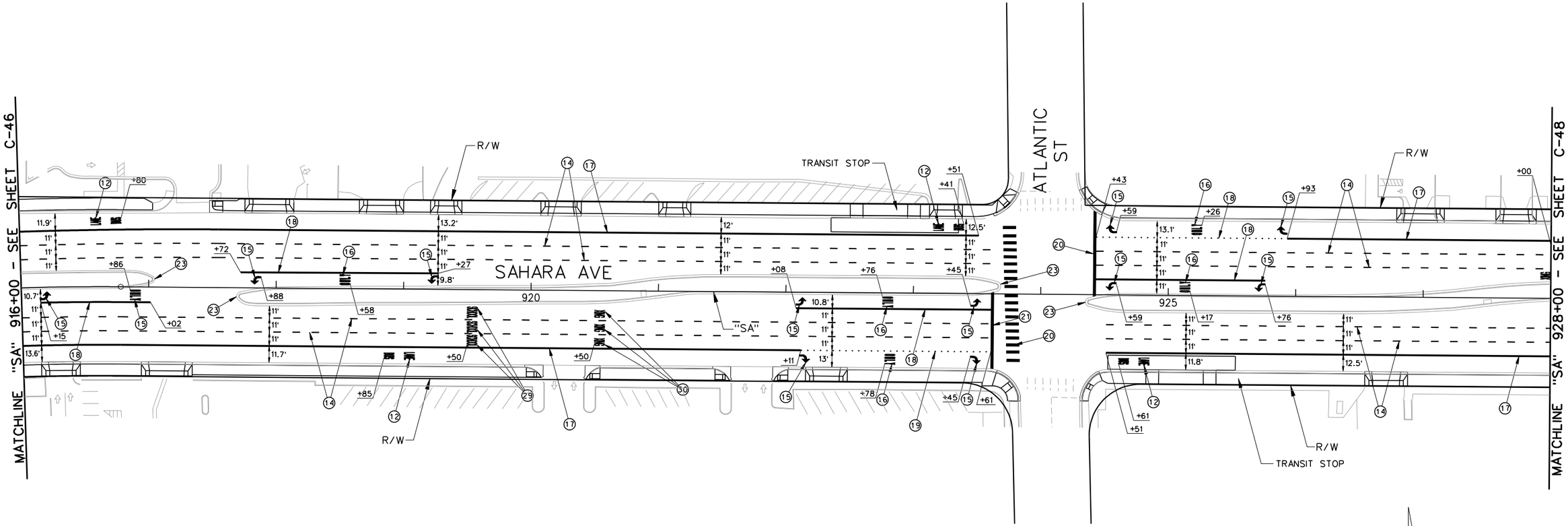
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

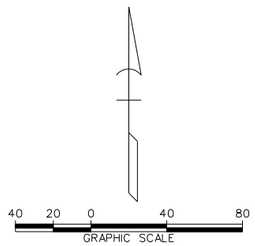
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-46

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





STRIPING CONSTRUCTION ITEMS:

(12) "SA" 918+85.00. RT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.
"SA" 924+61.00. RT
"SA" 923+41.00. LT
"SA" 916+80.00. LT

(14) "SA" 916+00.00. RT TO "SA" 923+61.00. RT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.
"SA" 916+00.00. RT TO "SA" 923+61.00. RT
"SA" 924+51.00. RT TO "SA" 928+00.00. RT
"SA" 924+51.00. RT TO "SA" 928+00.00. RT
"SA" 924+43.00. LT TO "SA" 928+00.00. LT
"SA" 924+43.00. LT TO "SA" 928+00.00. LT
"SA" 916+00.00. LT TO "SA" 923+51.00. LT
"SA" 916+00.00. LT TO "SA" 923+51.00. LT

(15) "SA" 916+15.00. RT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.
"SA" 922+08.00. RT
"SA" 923+45.00. RT
"SA" 922+11.00. RT
"SA" 923+61.00. RT
"SA" 925+76.00. LT
"SA" 924+59.00. LT
"SA" 919+27.00. LT
"SA" 917+88.00. LT
"SA" 925+93.00. LT
"SA" 924+59.00. LT

(16) "SA" 916+86.00. RT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.
"SA" 922+76.00. RT
"SA" 922+78.00. RT
"SA" 925+17.00. LT
"SA" 918+58.00. LT
"SA" 925+26.00. LT

(17) "SA" 916+00.00. RT TO "SA" 922+11.00. RT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.
"SA" 924+51.00. RT TO "SA" 928+00.00. RT
"SA" 925+93.00. LT TO "SA" 928+00.00. LT
"SA" 916+00.00. LT TO "SA" 923+51.00. LT

(18) "SA" 916+15.00. RT TO "SA" 917+02.00. RT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.
"SA" 922+08.00. RT TO "SA" 923+61.00. RT
"SA" 924+43.00. LT TO "SA" 925+76.00. LT
"SA" 917+72.00. LT TO "SA" 919+27.00. LT

(19) "SA" 922+11.00. RT TO "SA" 923+61.00. RT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.
"SA" 924+43.00. LT TO "SA" 925+93.00. LT

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(23) "SA" 916+98.52. LT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.
"SA" 917+48.72. RT (YELLOW)
"SA" 923+66.95. LT (YELLOW)
"SA" 924+36.55. RT (YELLOW)

(29) "SA" 919+50.00. RT — INSTALL SCHOOL LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD. T-38.1.4.
"SA" 919+50.00. RT
"SA" 919+50.00. RT

(30) "SA" 920+50.00. RT — INSTALL XING LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD. T-38.1.4.
"SA" 920+50.00. RT
"SA" 920+50.00. RT
"SA" 928+00.00. LT
"SA" 928+00.00. LT
"SA" 928+00.00. LT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 916+00 to "SA" 928+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

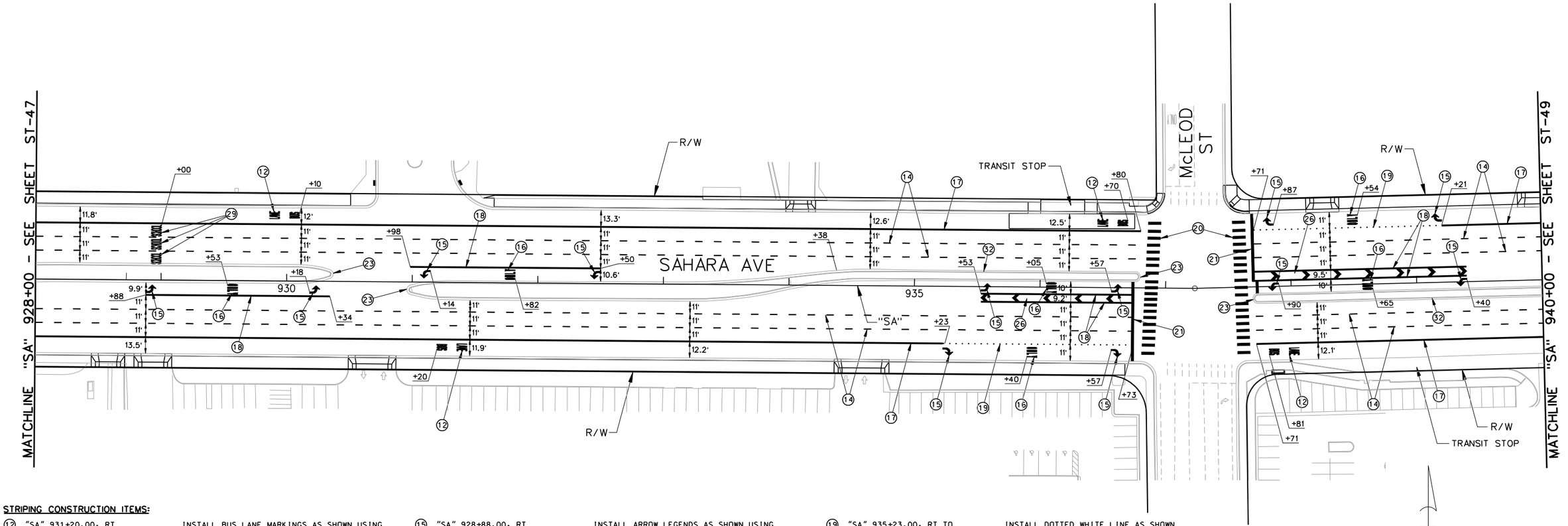
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500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

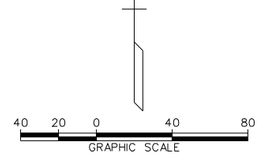
SCALE
HORIZ : AS SHOWN
VERT :
FIELD BOOK : NONE

SHEET No. ST-47
Sheet 297 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





STRIPING CONSTRUCTION ITEMS:

(12) "SA" 931+20.00. RT, "SA" 937+81.00. RT, "SA" 936+70.00. LT, "SA" 930+10.00. LT — INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

(14) "SA" 928+00.00. RT TO "SA" 936+73.00. RT; "SA" 928+00.00. RT TO "SA" 936+73.00. RT; "SA" 937+71.00. RT TO "SA" 940+00.00. RT; "SA" 937+71.00. RT TO "SA" 940+00.00. RT; "SA" 937+71.00. LT TO "SA" 940+00.00. LT; "SA" 937+71.00. LT TO "SA" 940+00.00. LT; "SA" 928+00.00. LT TO "SA" 936+80.00. LT; "SA" 928+00.00. LT TO "SA" 936+80.00. LT — INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

(15) "SA" 928+88.00. RT, "SA" 930+18.00. RT, "SA" 935+53.00. RT, "SA" 936+57.00. RT, "SA" 935+23.00. RT, "SA" 936+57.00. RT, "SA" 939+40.00. LT, "SA" 937+90.00. LT, "SA" 939+21.00. LT, "SA" 937+87.00. LT, "SA" 932+50.00. LT, "SA" 932+14.00. LT — INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(16) "SA" 929+53.00. RT, "SA" 936+05.00. RT, "SA" 935+90.00. RT, "SA" 938+65.00. LT, "SA" 931+82.00. LT, "SA" 938+54.00. LT — INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

(17) "SA" 928+00.00. RT TO "SA" 935+23.00. RT; "SA" 937+71.00. RT TO "SA" 940+00.00. RT; "SA" 939+21.00. LT TO "SA" 940+00.00. LT; "SA" 928+00.00. LT TO "SA" 936+80.00. LT — INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

(18) "SA" 928+98.00. RT TO "SA" 930+34.00. RT; "SA" 935+53.00. RT TO "SA" 936+73.00. RT; "SA" 935+53.00. RT TO "SA" 936+73.00. RT; "SA" 937+71.00. RT TO "SA" 939+40.00. RT; "SA" 937+71.00. RT TO "SA" 939+40.00. RT; "SA" 930+98.00. LT TO "SA" 932+50.00. LT — INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

(19) "SA" 935+23.00. RT TO "SA" 936+73.00. RT; "SA" 937+71.00. LT TO "SA" 939+21.00. LT — INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(20) INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(21) INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

(23) "SA" 930+74.28. LT (YELLOW), "SA" 931+04.75. RT (YELLOW), "SA" 936+77.00. LT (YELLOW), "SA" 937+70.00. RT (YELLOW) — INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

(26) "SA" 935+53.00. RT TO "SA" 936+73.00. RT; "SA" 937+71.00. LT TO "SA" 939+40.00. LT — INSTALL CHEVRON MARKINGS (24-INCH SOLID WHITE) AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). SEE DETAIL ON SHEET ST-55.

(29) "SA" 929+00.00. LT, "SA" 929+00.00. LT, "SA" 929+00.00. LT — INSTALL SCHOOL LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STD. T-38.1.4.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 928+00 to "SA" 940+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

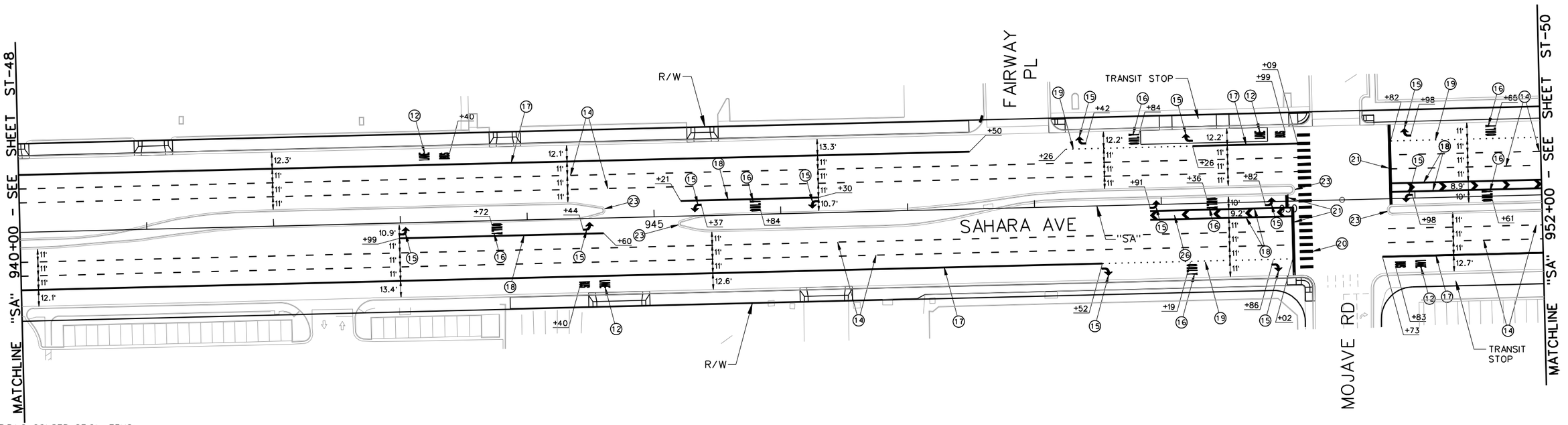
SCALE
HORIZ: AS SHOWN
VERT:
FIELD BOOK: NONE

SHEET No. ST-48

Sheet 298 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

⑫ "SA" 944+40.00. RT
"SA" 950+83.00. RT
"SA" 949+99.00. LT
"SA" 943+40.00. LT

INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

⑭ "SA" 940+00.00. RT TO
"SA" 850+02.00. RT

"SA" 940+00.00. RT TO
"SA" 850+02.00. RT

"SA" 950+73.00. RT TO
"SA" 852+00.00. RT

"SA" 950+73.00. RT TO
"SA" 852+00.00. RT

"SA" 950+82.00. LT TO
"SA" 952+00.00. LT

"SA" 950+82.00. LT TO
"SA" 952+00.00. LT

"SA" 940+00.00. LT TO
"SA" 950+09.00. LT

"SA" 940+00.00. LT TO
"SA" 950+09.00. LT

INSTALL BROKEN WHITE LINE (URBAN) PER NDOT STD T-37.1.1.

⑮ "SA" 942+99.00. RT
"SA" 944+44.00. RT
"SA" 948+52.00. RT
"SA" 949+86.00. RT
"SA" 948+91.00. LT
"SA" 949+82.00. LT
"SA" 950+98.00. LT
"SA" 946+30.00. LT
"SA" 945+37.00. LT
"SA" 950+98.00. LT
"SA" 949+26.00. LT
"SA" 948+42.00. LT

INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

⑯ "SA" 943+72.00. RT
"SA" 949+36.00. RT
"SA" 951+61.00. RT
"SA" 949+19.00. RT
"SA" 945+84.00. LT
"SA" 951+65.00. LT
"SA" 948+84.00. LT

INSTALL ONLY LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1. T-37.1.2. AND T-37.1.4.

⑰ "SA" 940+00.00. RT TO
"SA" 948+52.00. RT

"SA" 950+73.00. RT TO
"SA" 952+00.00. RT

"SA" 949+26.00. LT TO
"SA" 950+09.00. LT

"SA" 840+00.00. LT TO
"SA" 947+50.00. LT

INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

⑱ "SA" 942+99.00. RT TO
"SA" 944+60.00. RT

"SA" 948+91.00. RT TO
"SA" 950+02.00. RT

"SA" 948+91.00. RT TO
"SA" 950+02.00. RT

"SA" 950+82.00. LT TO
"SA" 952+00.00. LT

"SA" 950+82.00. LT TO
"SA" 952+00.00. LT

"SA" 945+21.00. RT TO
"SA" 946+30.00. RT

INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

⑲ "SA" 948+52.00. RT TO
"SA" 950+02.00. RT

"SA" 950+82.00. LT TO
"SA" 952+00.00. LT

"SA" 948+26.00. LT TO
"SA" 949+26.00. LT

INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

⑳ INSTALL CROSSWALKS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

㉑ INSTALL STOP BARS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER NDOT STD T-38.1.3.

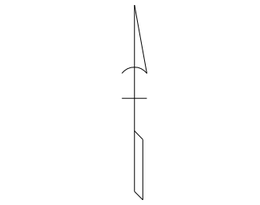
㉓ "SA" 945+03.91. LT (YELLOW)
"SA" 945+11.36. RT (YELLOW)
"SA" 950+02.00. RT (YELLOW)
"SA" 950+78.00. LT (YELLOW)

INSTALL MEDIAN NOSE ISLAND MARKINGS PER NDOT STD T-38.1.5.

㉖ "SA" 948+91.00. RT TO
"SA" 950+04.00. RT

"SA" 950+82.00. LT TO
"SA" 952+00.00. LT

INSTALL CHEVRON MARKINGS (24-INCH SOLID WHITE) AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). SEE DETAIL ON SHEET ST-51.



40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

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REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 940+00 to "SA" 952+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

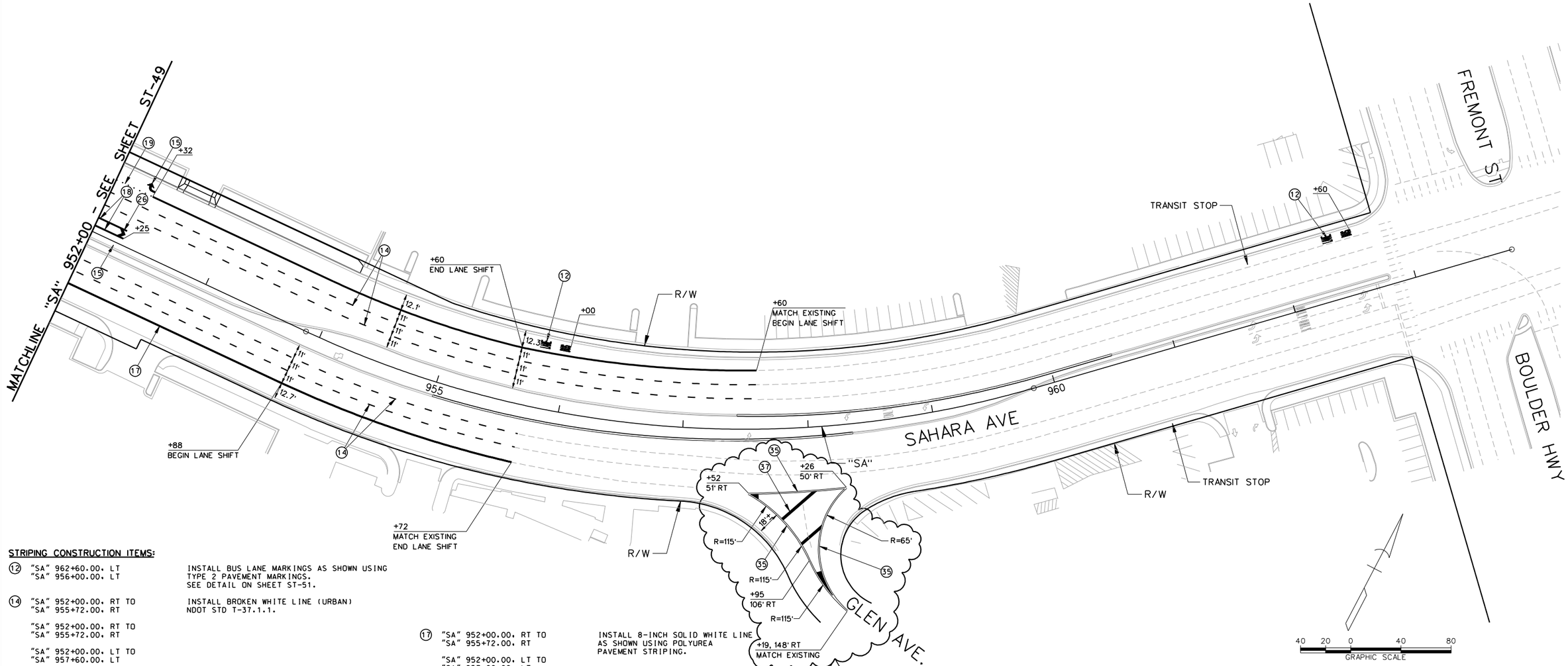
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-49

Sheet 299 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

(12) "SA" 962+60.00, LT
"SA" 956+00.00, LT
INSTALL BUS LANE MARKINGS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET ST-51.

(14) "SA" 952+00.00, RT TO "SA" 955+72.00, RT
INSTALL BROKEN WHITE LINE (URBAN) NDOT STD T-37.1.1.

"SA" 952+00.00, RT TO "SA" 955+72.00, RT

"SA" 952+00.00, LT TO "SA" 957+60.00, LT

"SA" 952+00.00, LT TO "SA" 957+60.00, LT

(15) "SA" 952+34.00, LT
INSTALL ARROW LEGENDS AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2) PER NDOT STDS T-37-1.1, T-37.1.2, AND T-37.1.4.

(17) "SA" 952+00.00, RT TO "SA" 955+72.00, RT
INSTALL 8-INCH SOLID WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING.

"SA" 952+00.00, LT TO "SA" 957+60.00, LT

(18) "SA" 952+00.00, LT TO "SA" 952+25.00, LT
INSTALL 8-INCH SOLID WHITE LINE (STORAGE) PER NDOT STDS T-37.1.1 AND T-38.1.2.

"SA" 952+00.00, LT TO "SA" 952+25.00, LT

(19) "SA" 952+00.00, LT TO "SA" 952+32.00, LT
INSTALL DOTTED WHITE LINE AS SHOWN USING POLYUREA PAVEMENT STRIPING. SEE DETAIL ON SHEET ST-51.

(35) "SA" 957+52.00, 51' RT TO "SA" 958+26.00, 50' RT
INSTALL TYPE 1 CENTERLINE PER USDCCA DWG NO. 244 (RPM)

"SA" 957+52.00, 51' RT TO "SA" 958+19.00, 148' RT

"SA" 958+19.00, 148' RT TO "SA" 958+26.00, 50' RT

(37) INSTALL TRANSITION SECTION (24 INCH SOLID YELLOW) AS SHOWN USING PERMANENT PAVEMENT MARKING FILM (TYPE 2). PER USDCCA DWG NO. 245 (2 OF 3).

AB

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
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FAST
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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

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CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB (W/O GUTTER), LIP OF GUTTER (W/ GUTTER), OR EDGE OF PAVEMENT (EOP) (W/O CURB OR CURB AND GUTTER).
2. CROSSWALK AND STOP BAR LOCATIONS ARE CONTROLLED BY THE ASSOCIATED CURB RAMPS PER STANDARD PLANS T-38.1.3. UNLESS INDICATED OTHERWISE, REFER TO CONSTRUCTION PLANS FOR LOCATION OF CURB RAMPS.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

STRIPING PLAN

"SA" 952+00 to "SA" 962+79.68

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

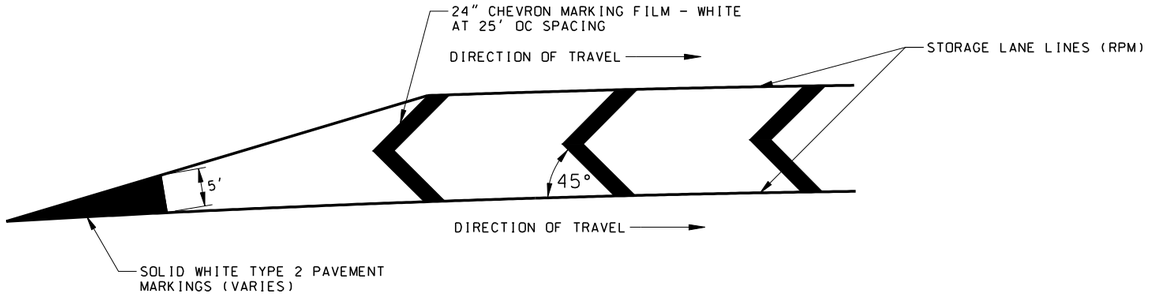
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

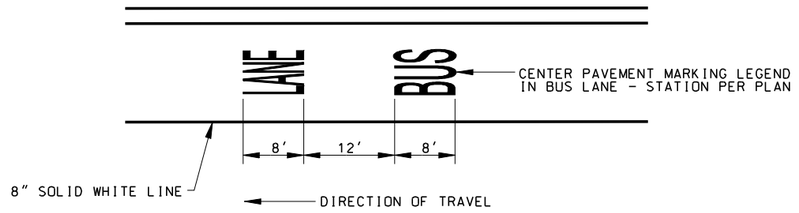
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VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-50

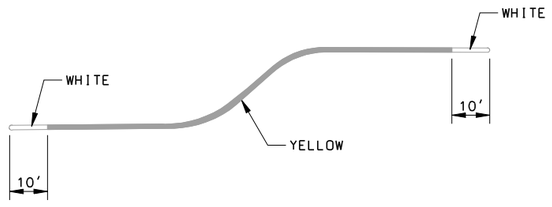
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



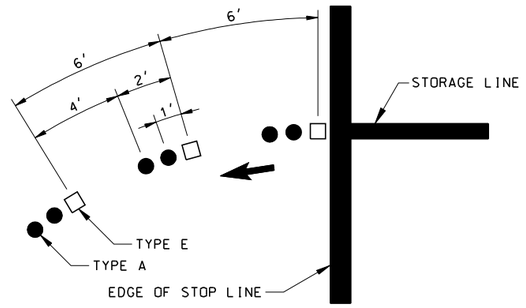
CHEVRON MARKING FILM (WHITE)
(NOT TO SCALE)



BUS MARKINGS DETIAL
(NOT TO SCALE)



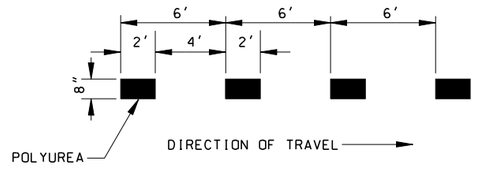
MEDIAN ISLAND PAINT DETAIL
(NOT TO SCALE)



CAT TRACKS (RPM)
(NOT TO SCALE)

MARKER SCHEDULE

TYPE A	●	CIRCULAR WHITE CERAMIC MARKER
TYPE B	○	CIRCULAR YELLOW CERAMIC MARKER
TYPE C	■	TWO WAY YELLOW REFLECTOR
TYPE D	◪	ONE WAY YELLOW REFLECTOR, YELLOW TOWARD ONCOMING TRAFFIC
TYPE E	□	ONE WAY WHITE REFLECTOR, WHITE TOWARD ONCOMING TRAFFIC
TYPE F	◧	TWO WAY WHITE AND RED REFLECTOR, WHITE TOWARD ONCOMING TRAFFIC



DOTTED WHITE LINE
(NOT TO SCALE)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
STRIPING DETAIL

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

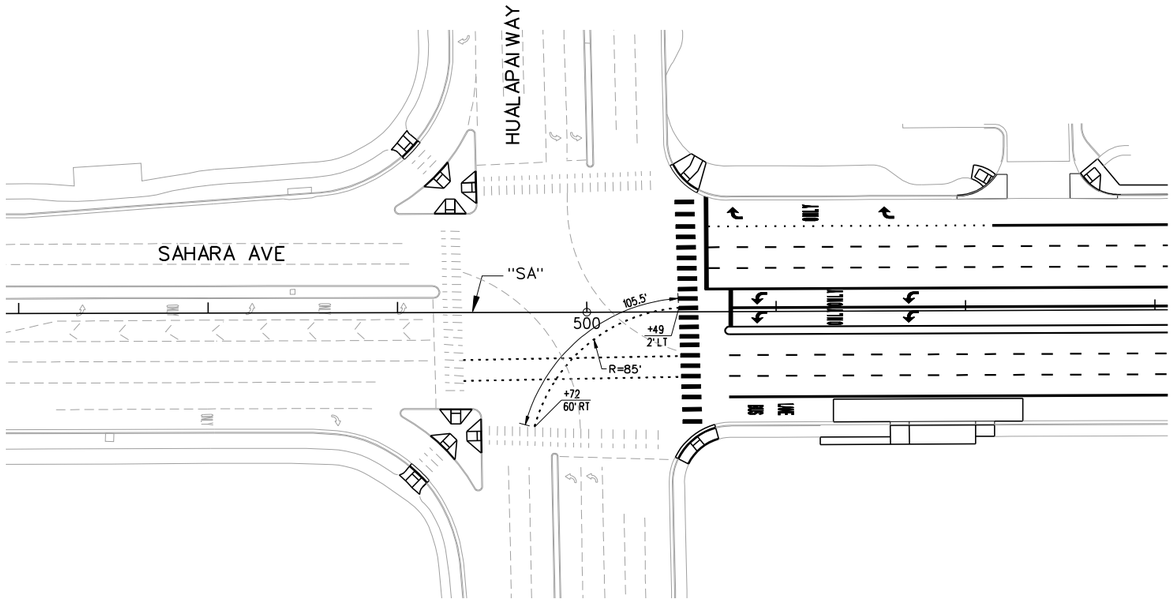
PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

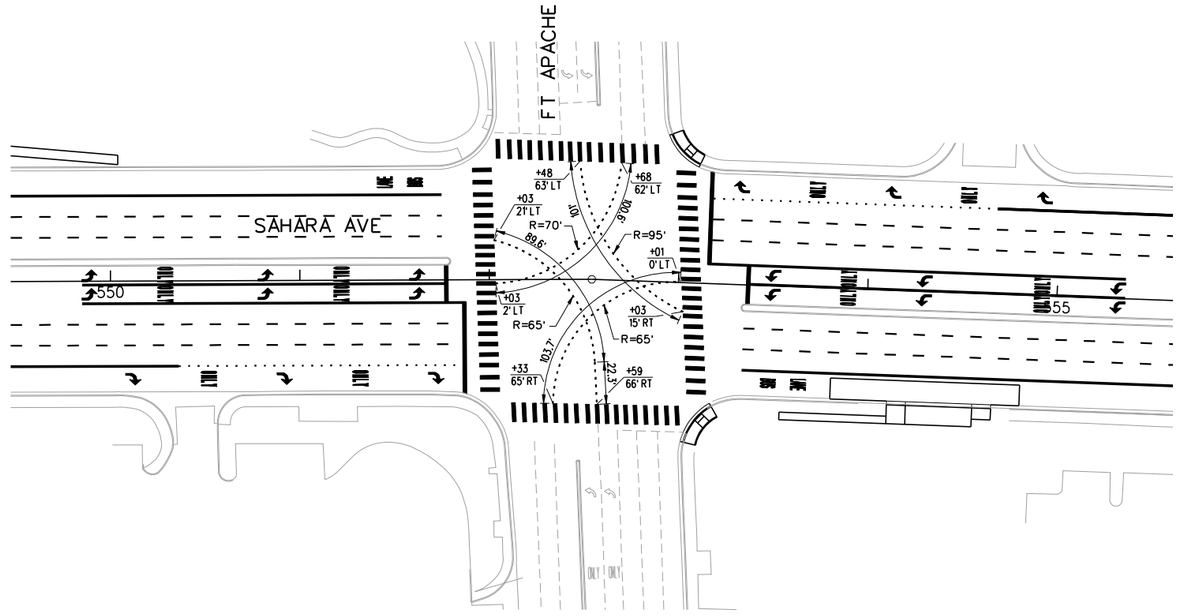
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HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. ST-51
Sheet 301 of 592

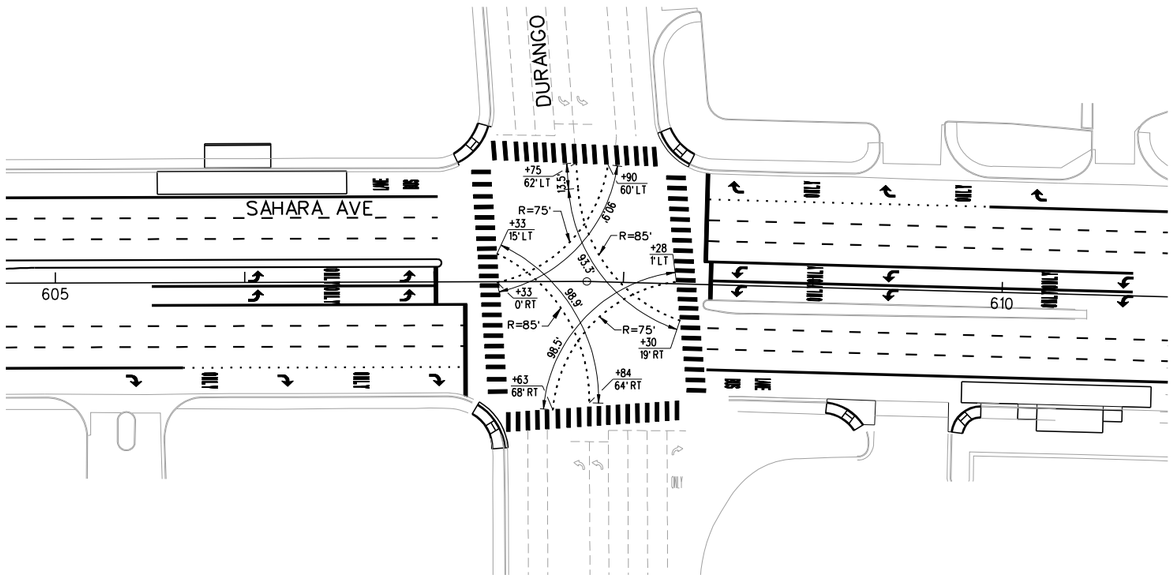
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



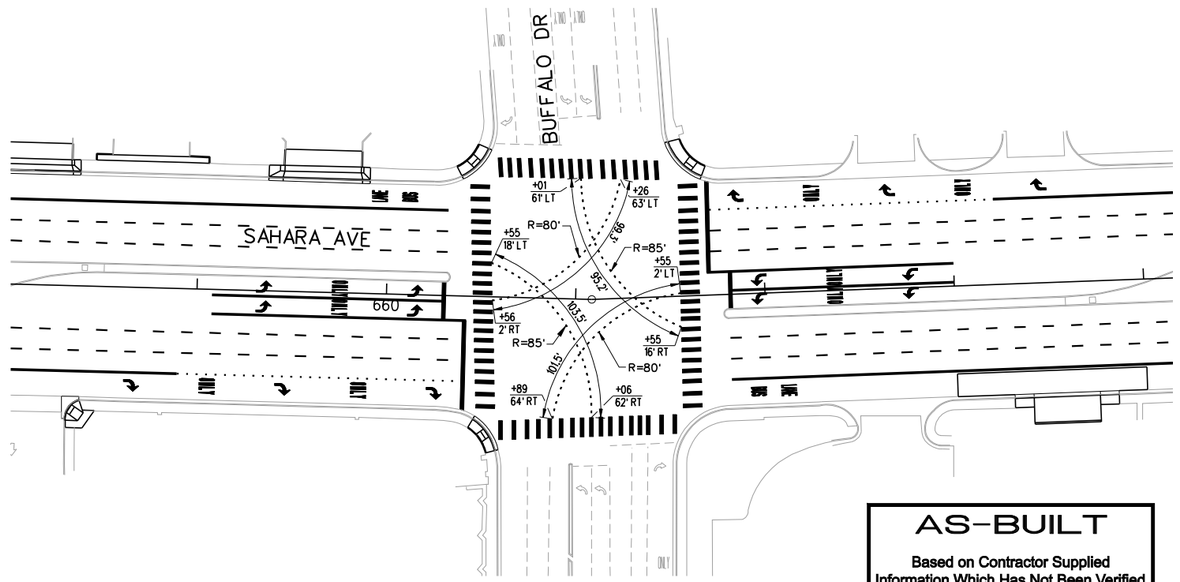
CAT TRACK DETAIL - HUALAPAI WAY AT SAHARA AVE



CAT TRACK DETAIL - FORT APACHE AT SAHARA AVE



CAT TRACK DETAIL - DURANGO AT SAHARA AVE



CAT TRACK DETAIL - BUFFALO DRIVE AT SAHARA AVE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CAT TRACK DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	JPS
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

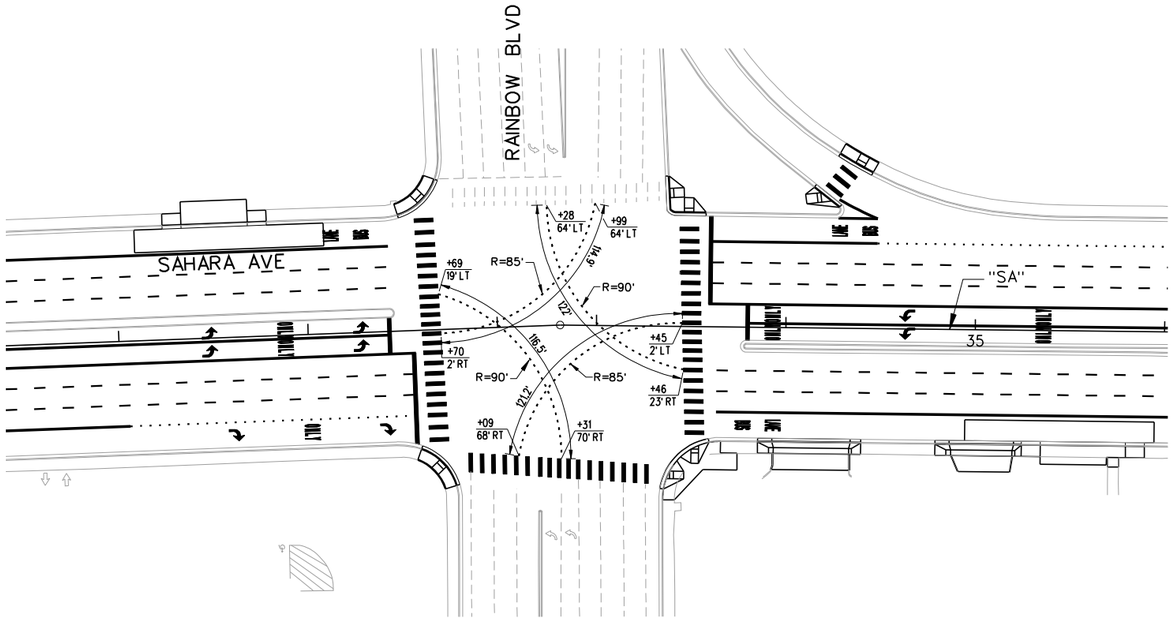
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK :
NONE

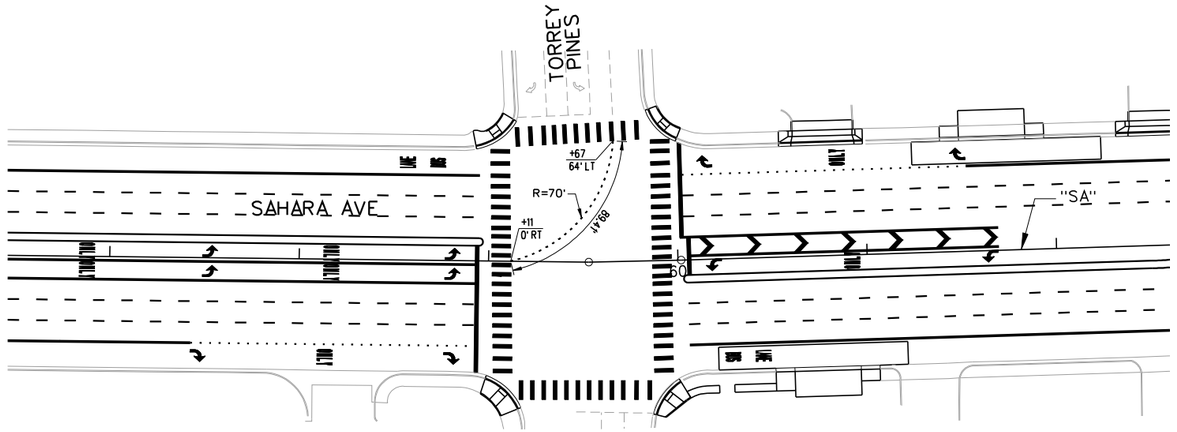
SHEET No.
ST-52
Sheet 302 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

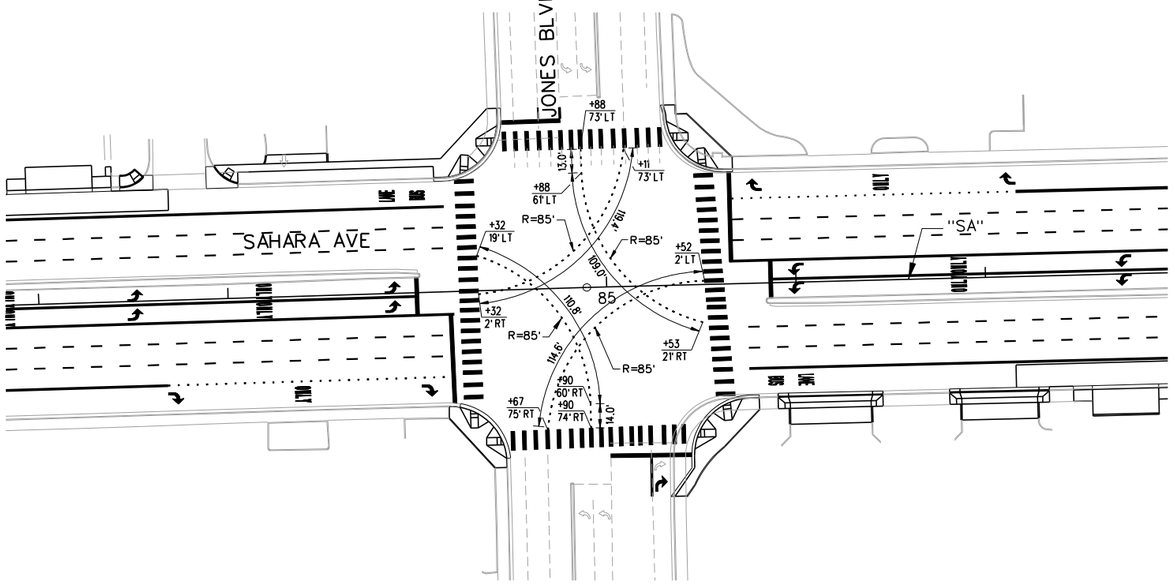
AS - BUILT - 05.31.2012



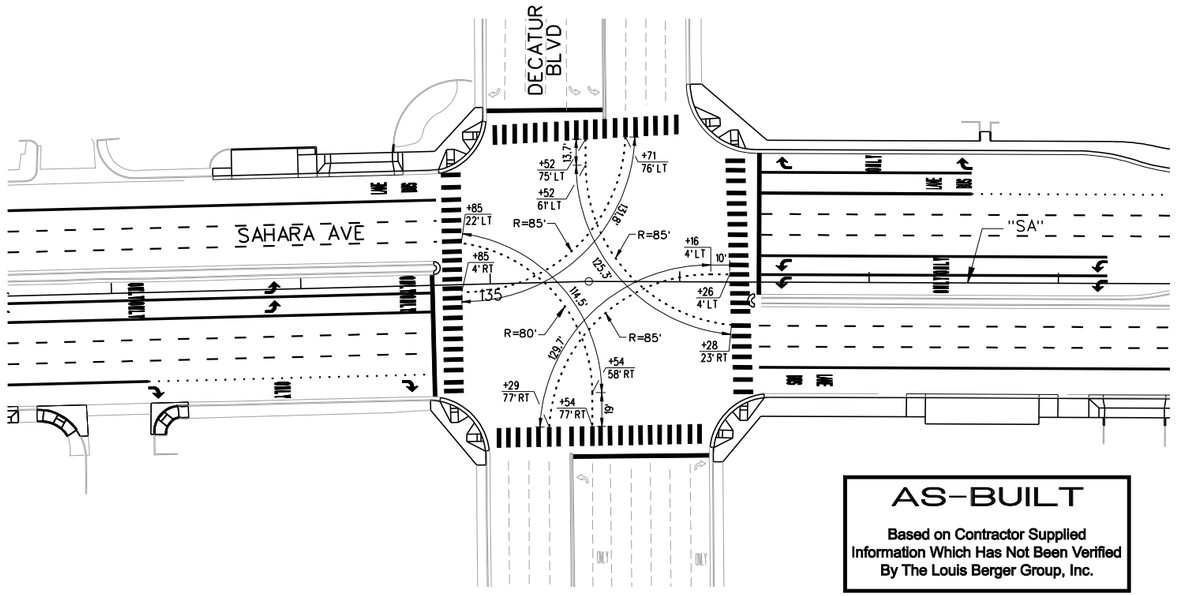
CAT TRACK DETAIL - RAINBOW BOULEVARD AT SAHARA AVE



CAT TRACK DETAIL - TORREY PINES AT SAHARA AVE



CAT TRACK DETAIL - JONES BOULEVARD AT SAHARA AVE



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

CAT TRACK DETAIL - DECATUR BOULEVARD AT SAHARA AVE

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CAT TRACK DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. ST-53

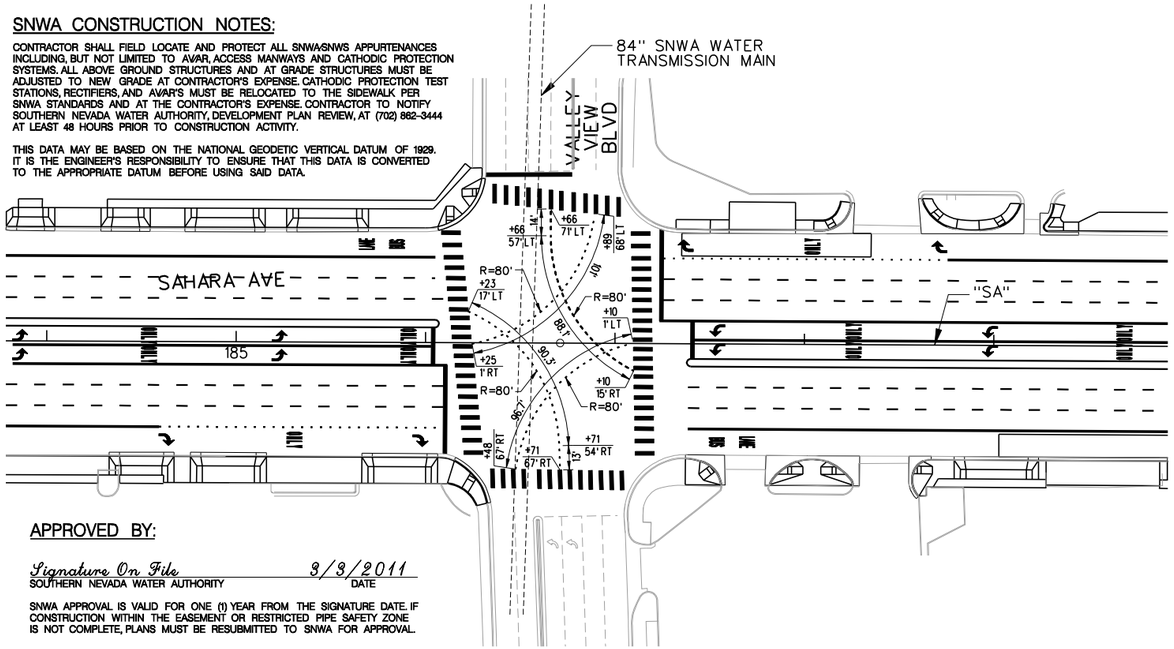
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

SNWA CONSTRUCTION NOTES:

CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AVAR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AVAR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702) 862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

THIS DATA MAY BE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE THAT THIS DATA IS CONVERTED TO THE APPROPRIATE DATUM BEFORE USING SAID DATA.

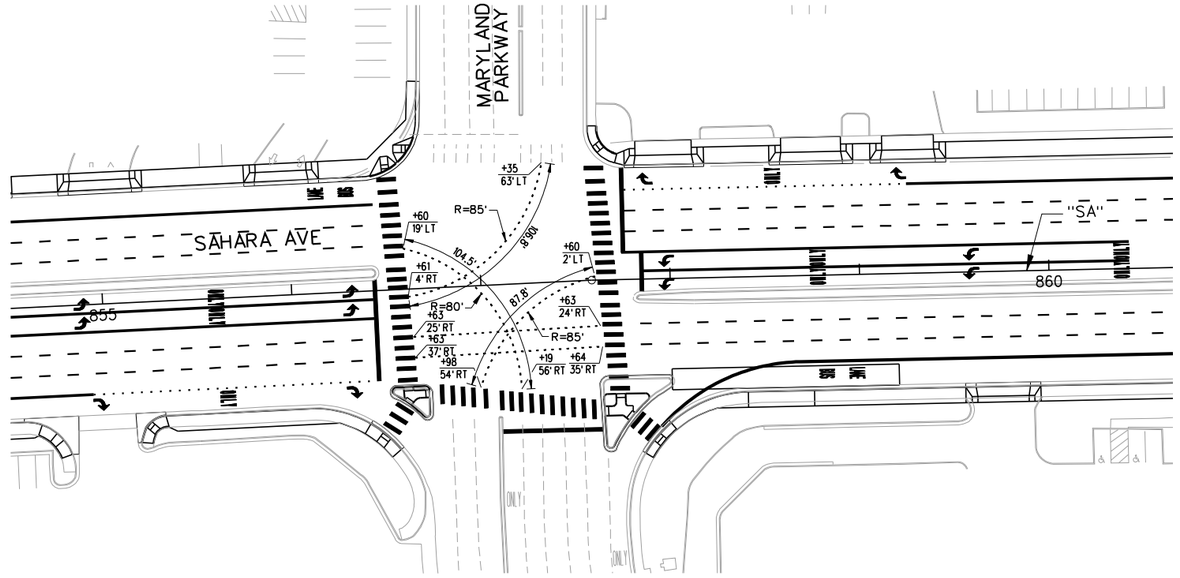


APPROVED BY:

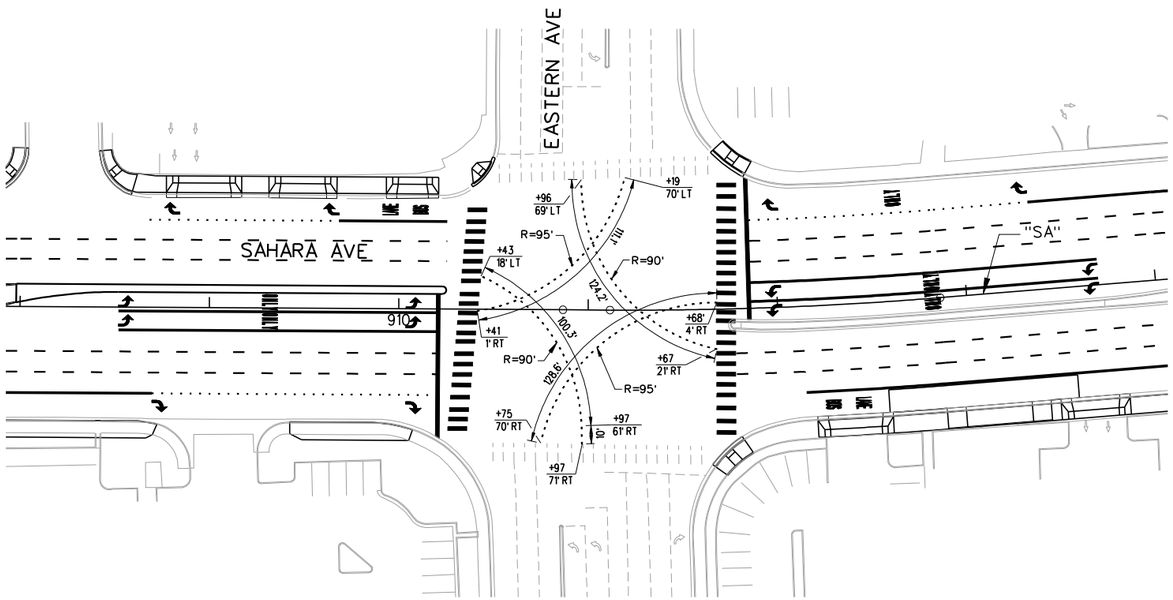
Signature On File 3/3/2011
SOUTHERN NEVADA WATER AUTHORITY DATE

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

CAT TRACK DETAIL - VALLEY VIEW BOULEVARD AT SAHARA AVE



CAT TRACK DETAIL - MARYLAND PARKWAY AT SAHARA AVE



CAT TRACK DETAIL - EASTERN AVENUE AT SAHARA AVE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

CAT TRACK DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

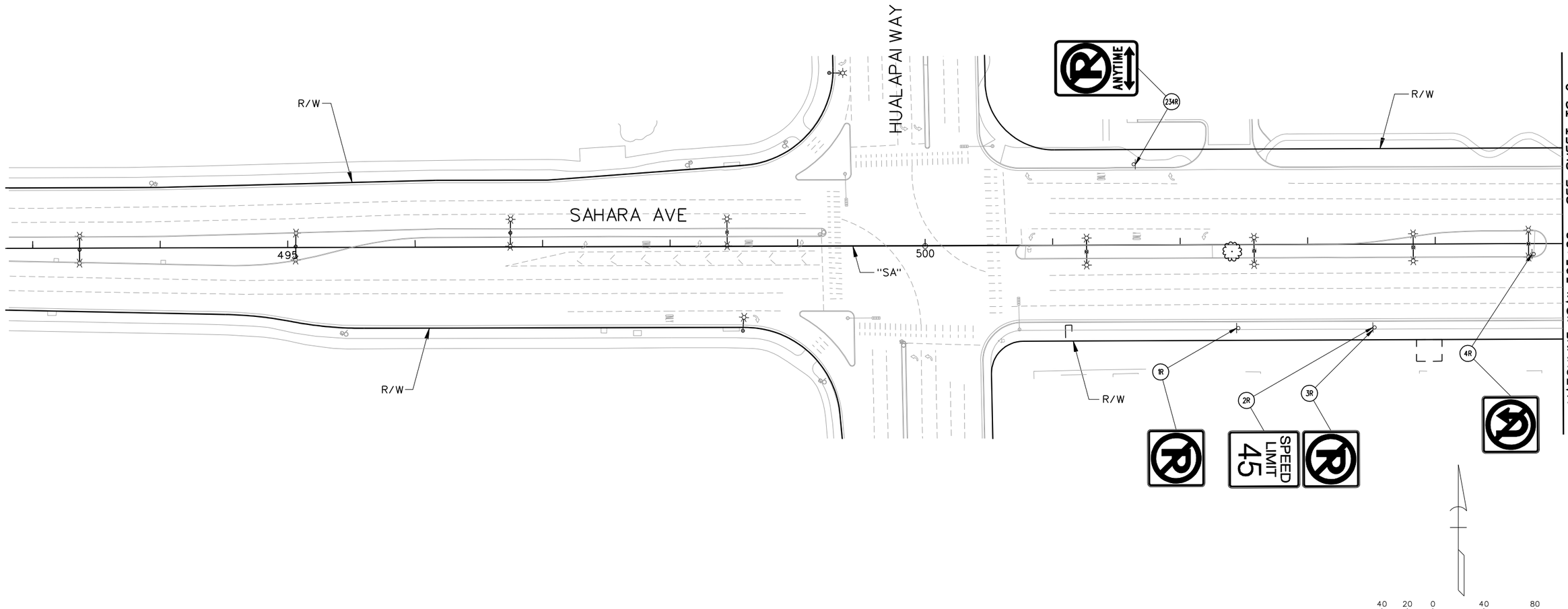
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. ST-54

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
(XR)		- EXISTING SIGN TO BE REMOVED AND SALVAGED
(D)		- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	1/2/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 493+00 to "SA" 505+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

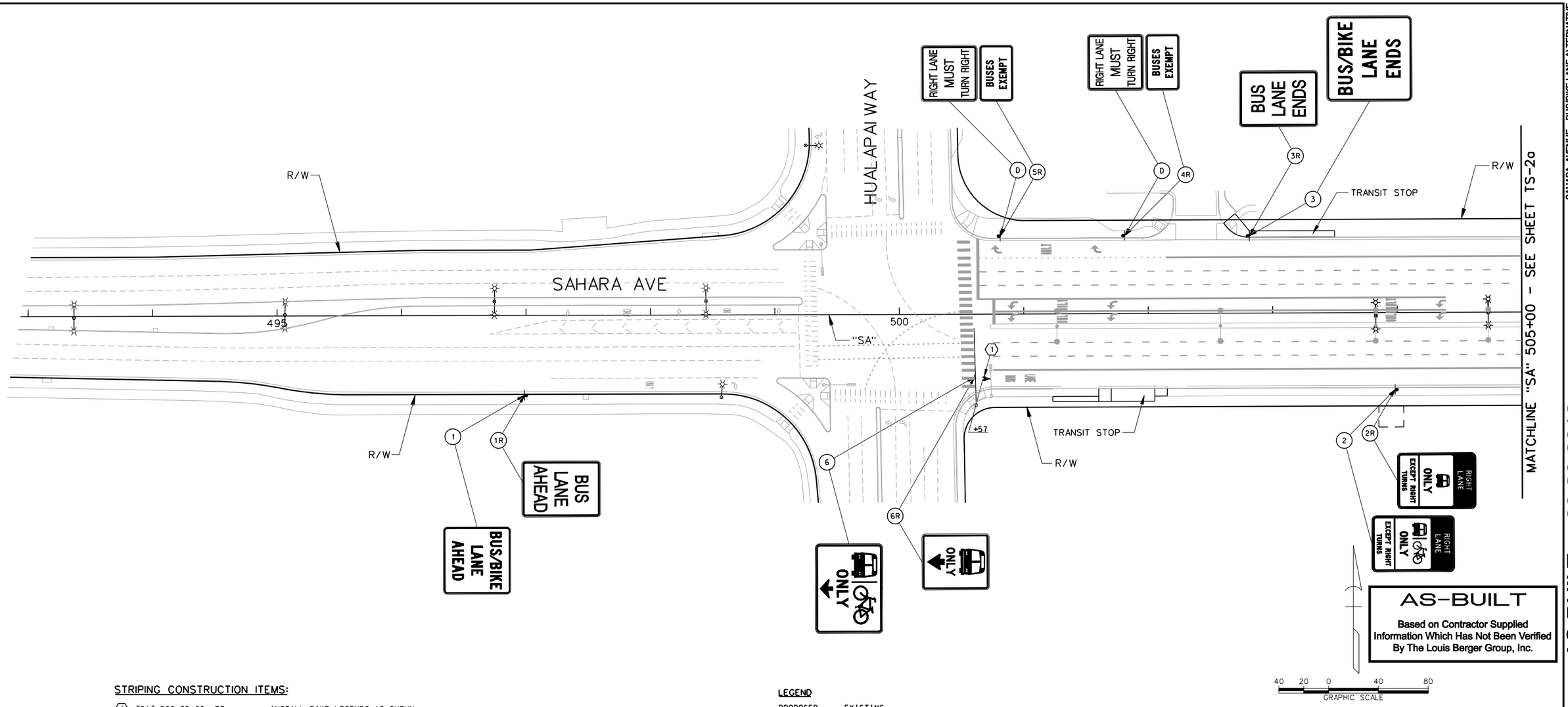
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-1

Sheet 305 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 01.02.2013



SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

09.30.2013

AS-BUILT - 09

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 500+75.00, RT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU GO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 493+00 to "SA" 505+00

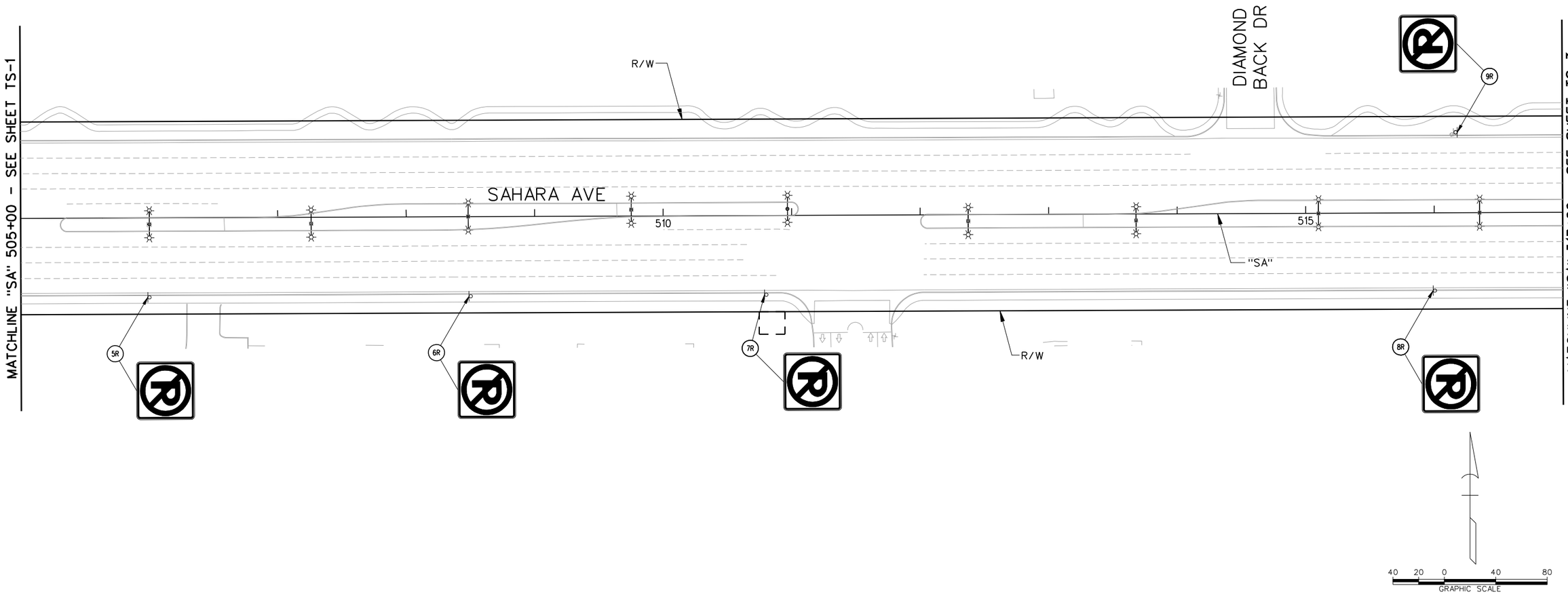
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-1a



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR ✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	1/2/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 505+00 to "SA" 517+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

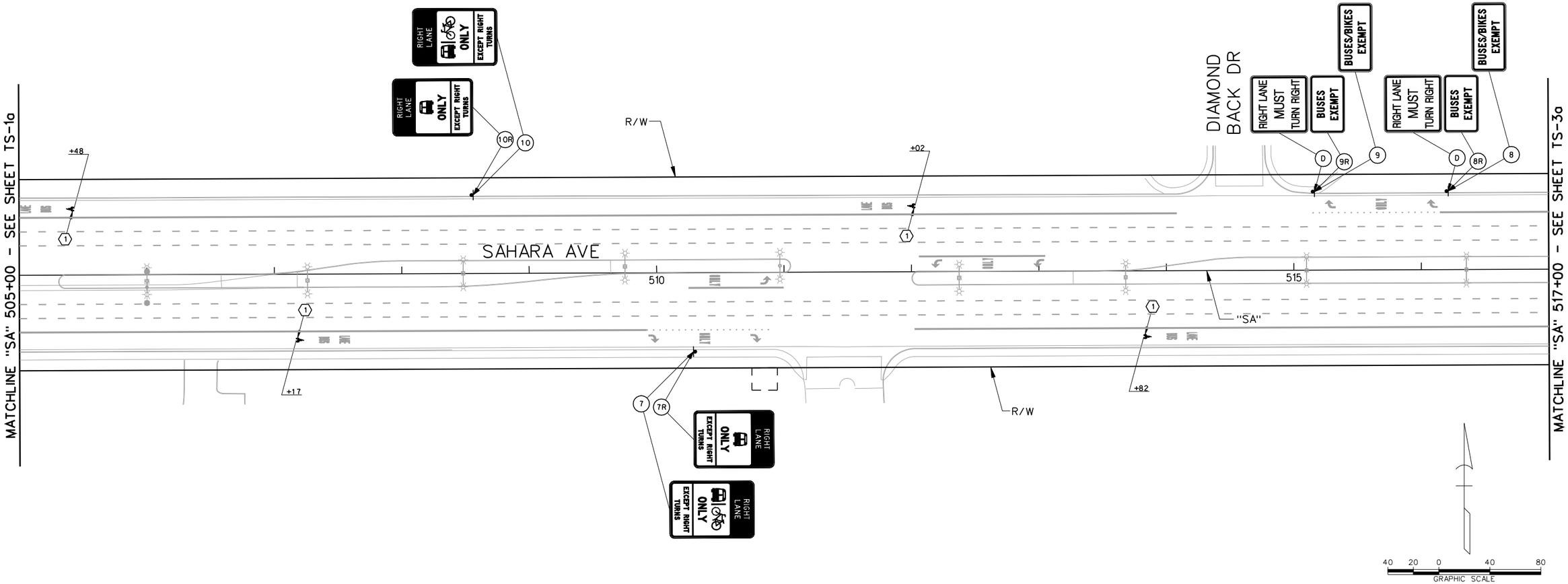
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-2

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 01.02.2013



SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

09.30.2013

AS-BUILT - 09.30.2013

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 507+17.00, RT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.
"SA" 513+82.00, RT
"SA" 512+02.00, LT
"SA" 505+43.00, LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 505+00 to "SA" 517+00

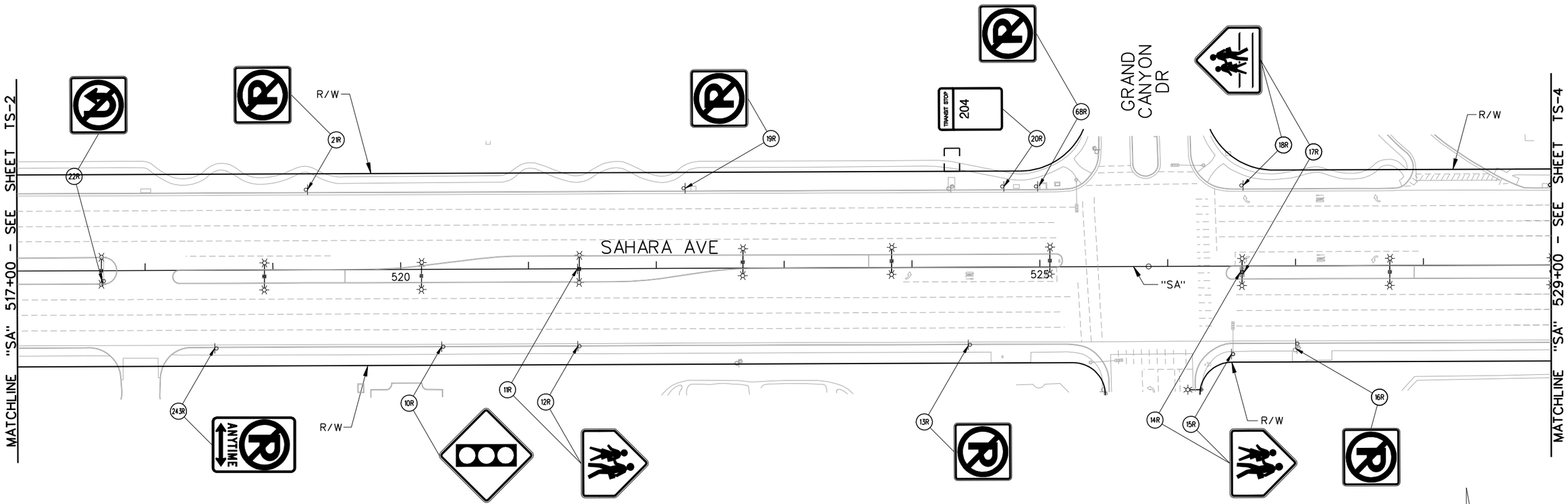
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

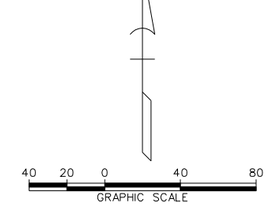
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-2a





LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 OR 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	1/2/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 517+00 to "SA" 529+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

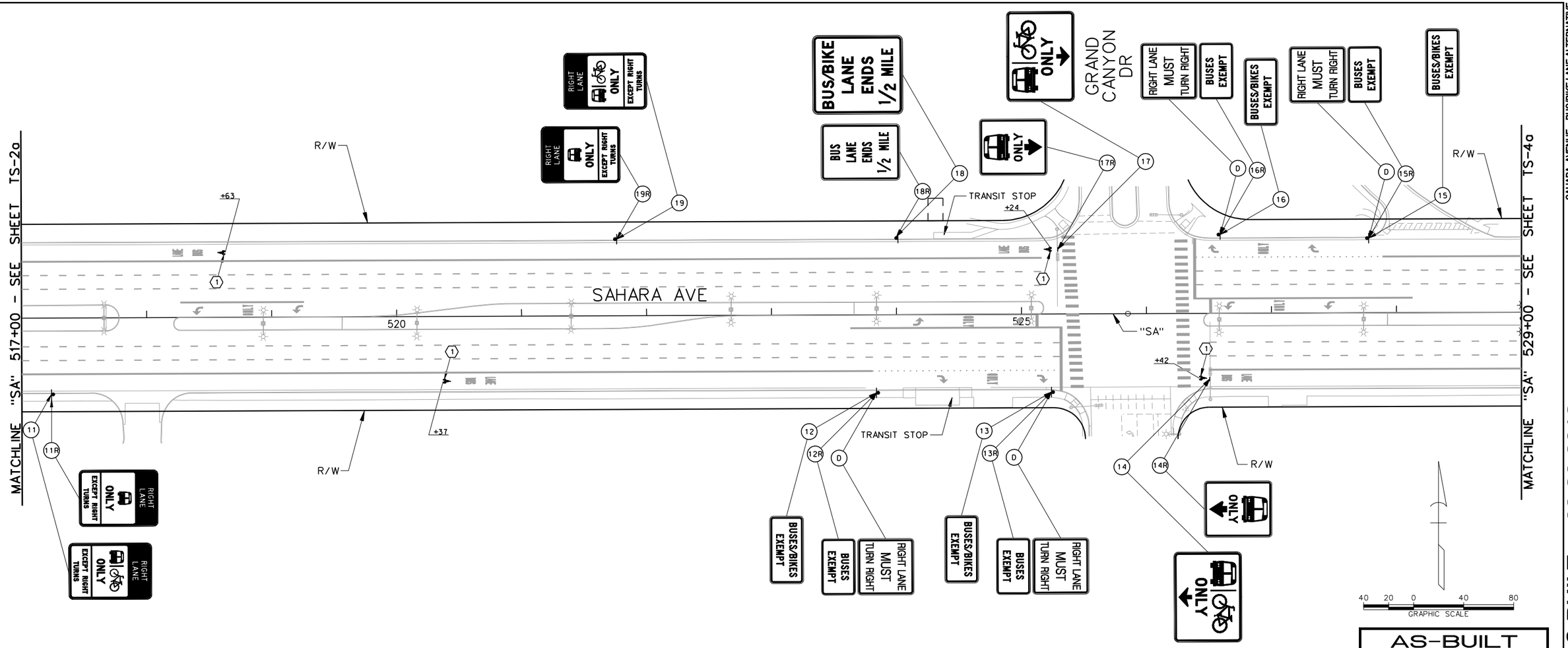
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-3

Sheet 307 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 01.02.2013



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AS-BUILT - 09.30.2013

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 520+37.00, RT "SA" 526+42.00, RT "SA" 525+24.00, LT "SA" 518+63.00, LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
ACCIDENTS UNDERGROUND UTILITY LINES, IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
REGIONAL AND NATIONAL SYSTEM OF TRANSPORTATION
ACCIDENTS OVERHEAD POWER LINES, IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 517+00 to "SA" 529+00

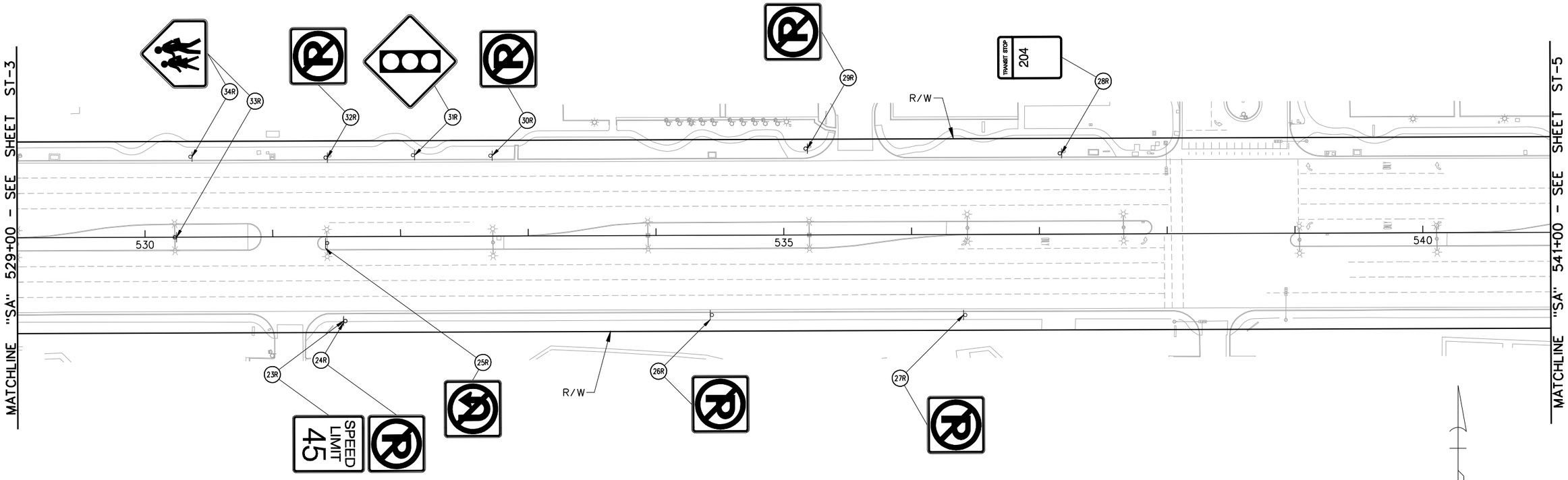
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-3a



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 529+00 to "SA" 541+00

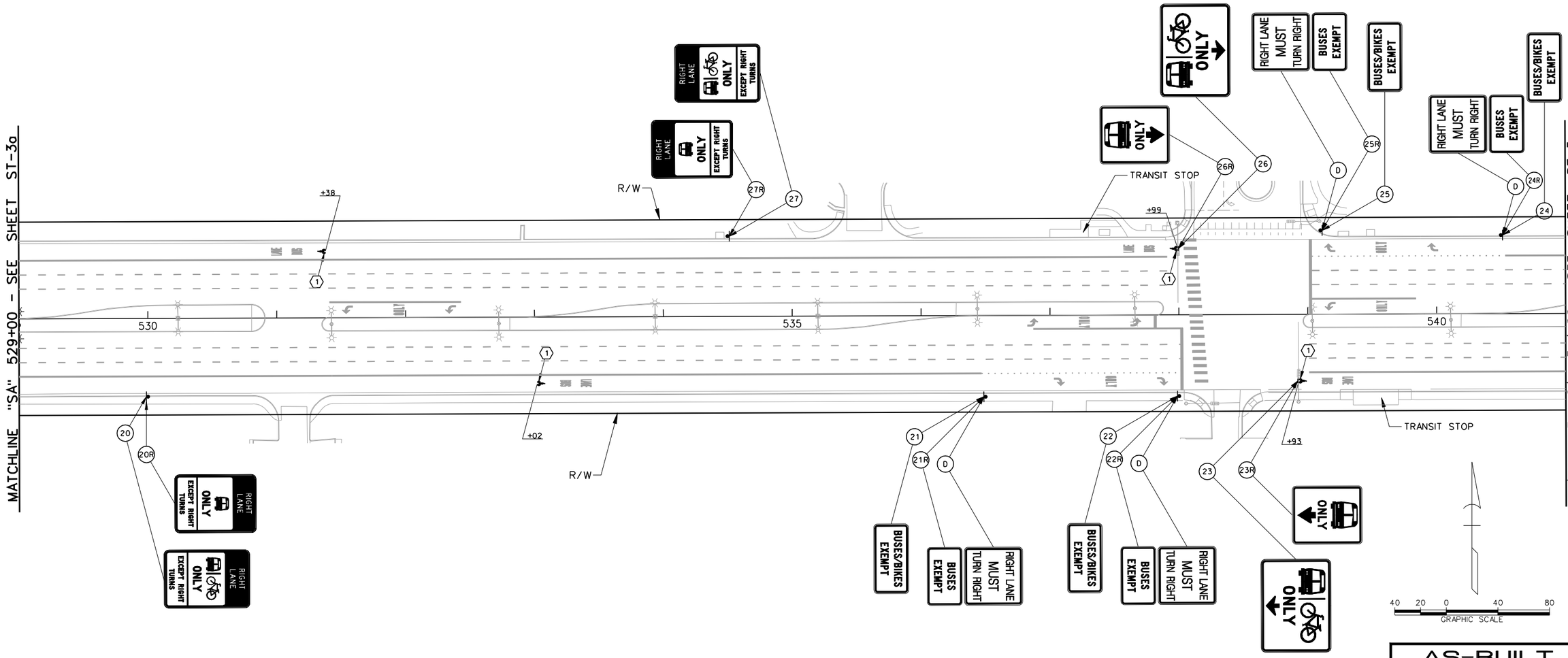
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-4



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 533+02.00. RT "SA" 538+93.00. RT "SA" 537+99.00. LT "SA" 531+38.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
PRESENT AND MEDITATE SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 529+00 to "SA" 541+00

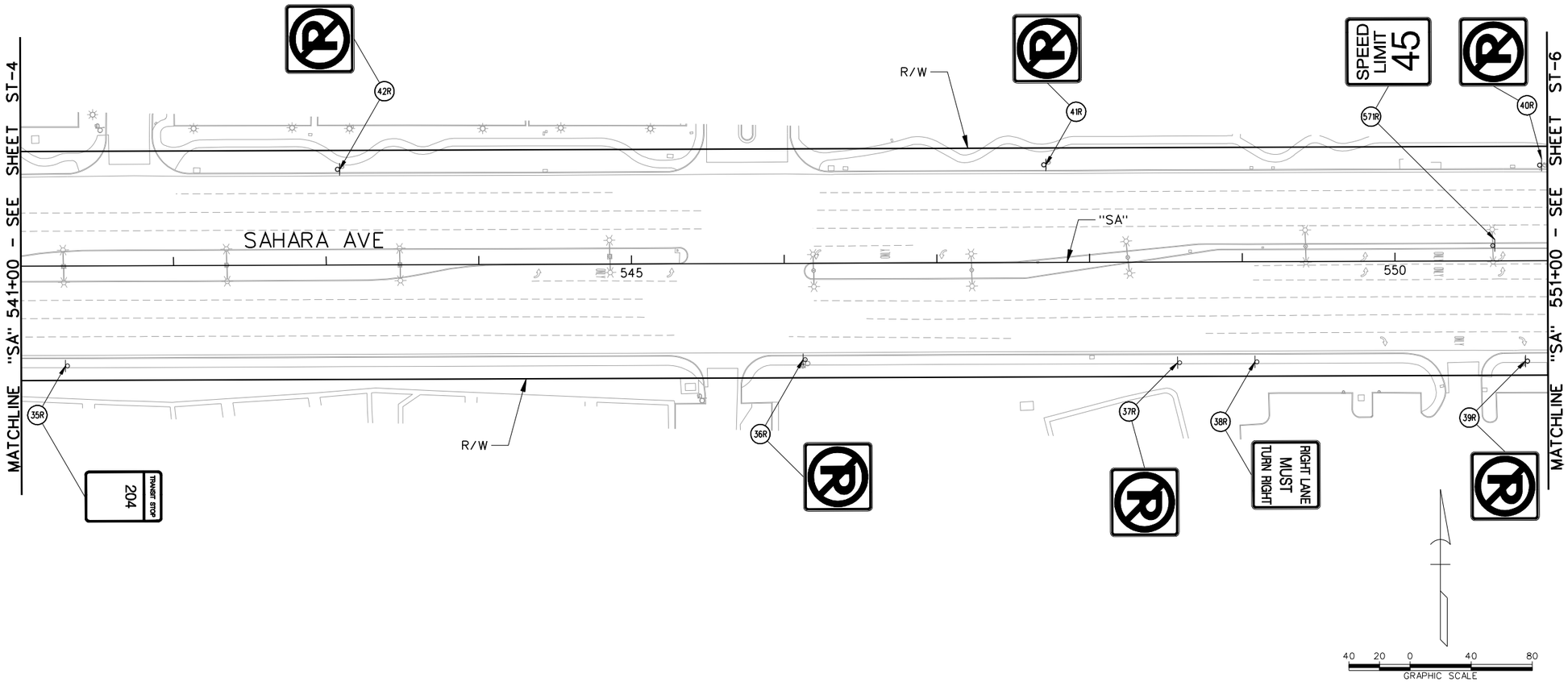
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-4a



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.

NOTE:

2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 541+00 to "SA" 551+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

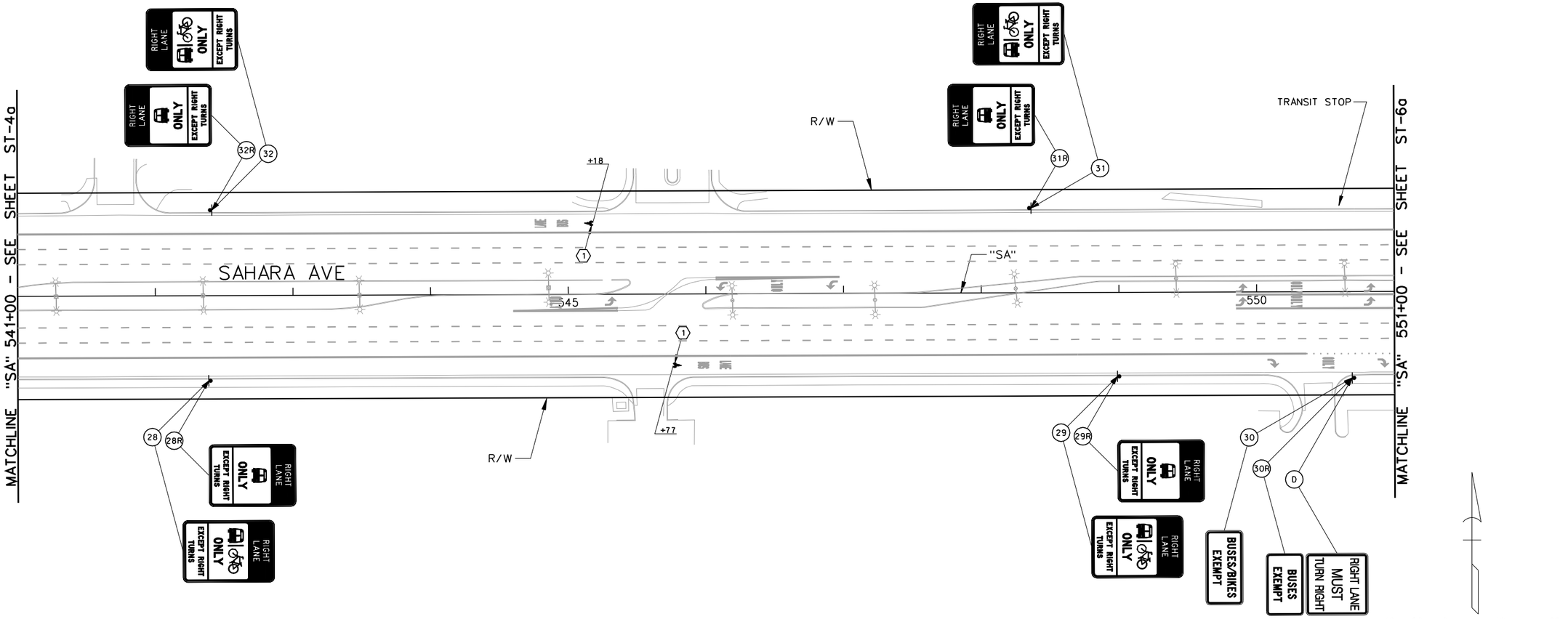
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-5

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 545+77.00, RT "SA" 545+18.00, LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 OR 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"SA" 541+00 to "SA" 551+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

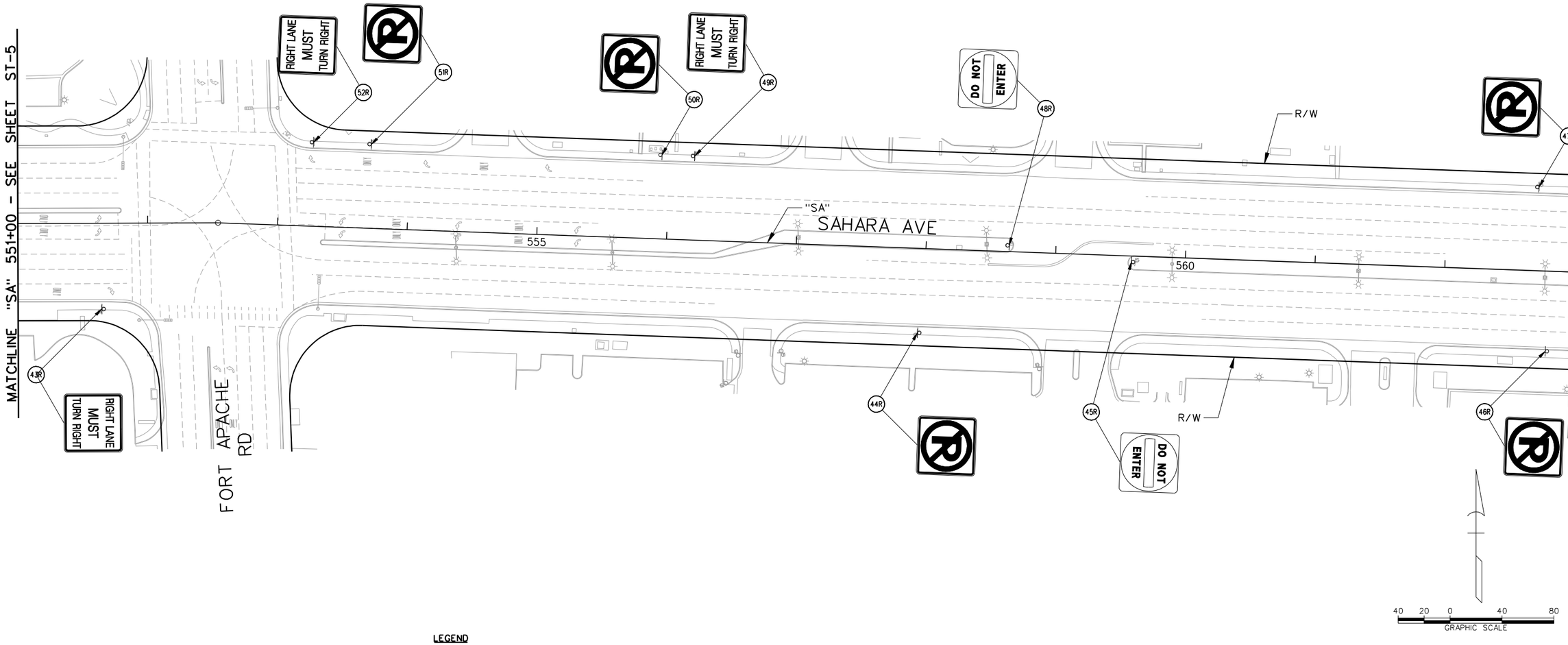
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-5a
Sheet 309a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE
AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
▶	⊢	- GROUND MOUNTED SIGN
☼—	☼—	- SIGN MOUNTED ON LIGHT POLE
OR		
✶—		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 551+00 to "SA" 563+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

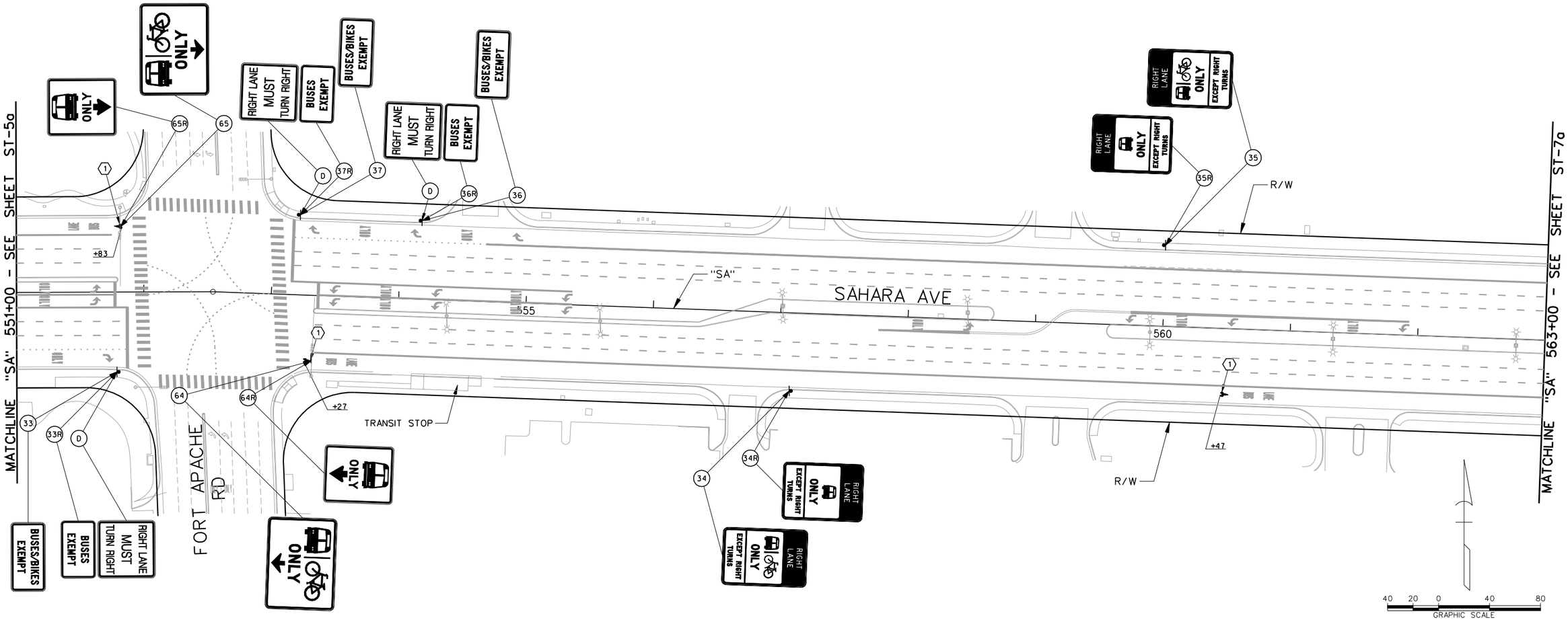
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-6
Sheet 310 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 553+27.00. RT "SA" 560+47.00. RT "SA" 551+83.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSALLATION PLAN

"SA" 551+00 to "SA" 563+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

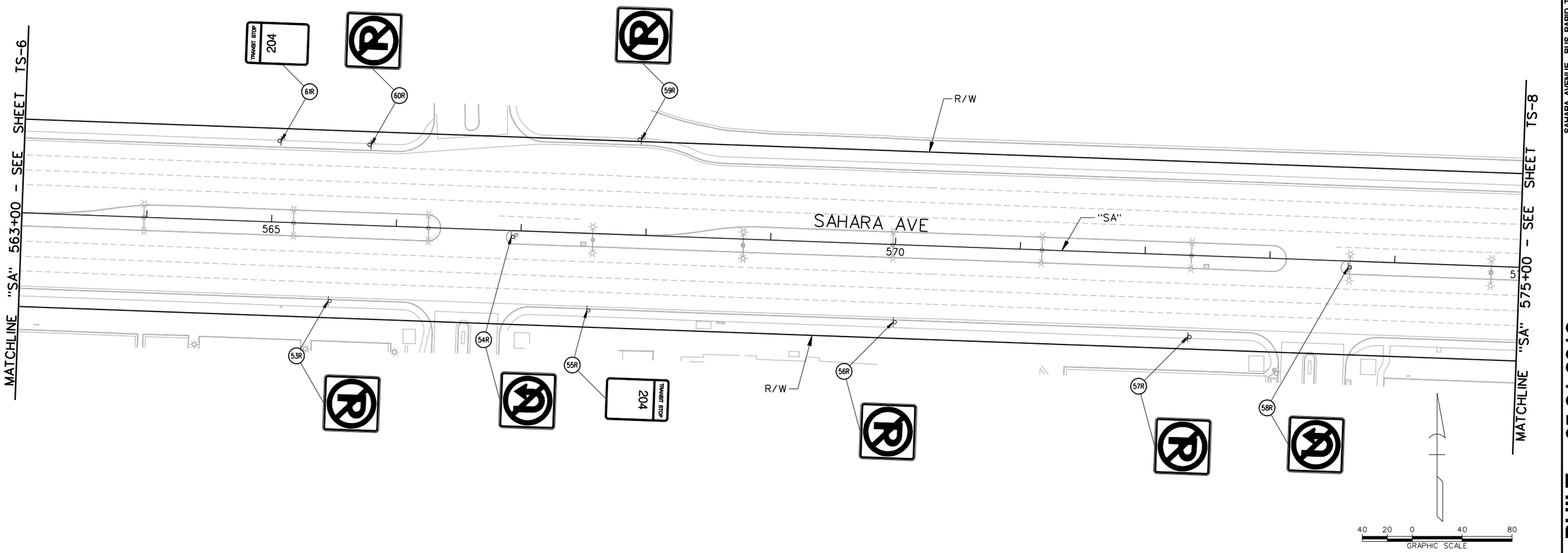
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-6a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CRIMINAL. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S CRIMINAL. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 563+00 to "SA" 575+00

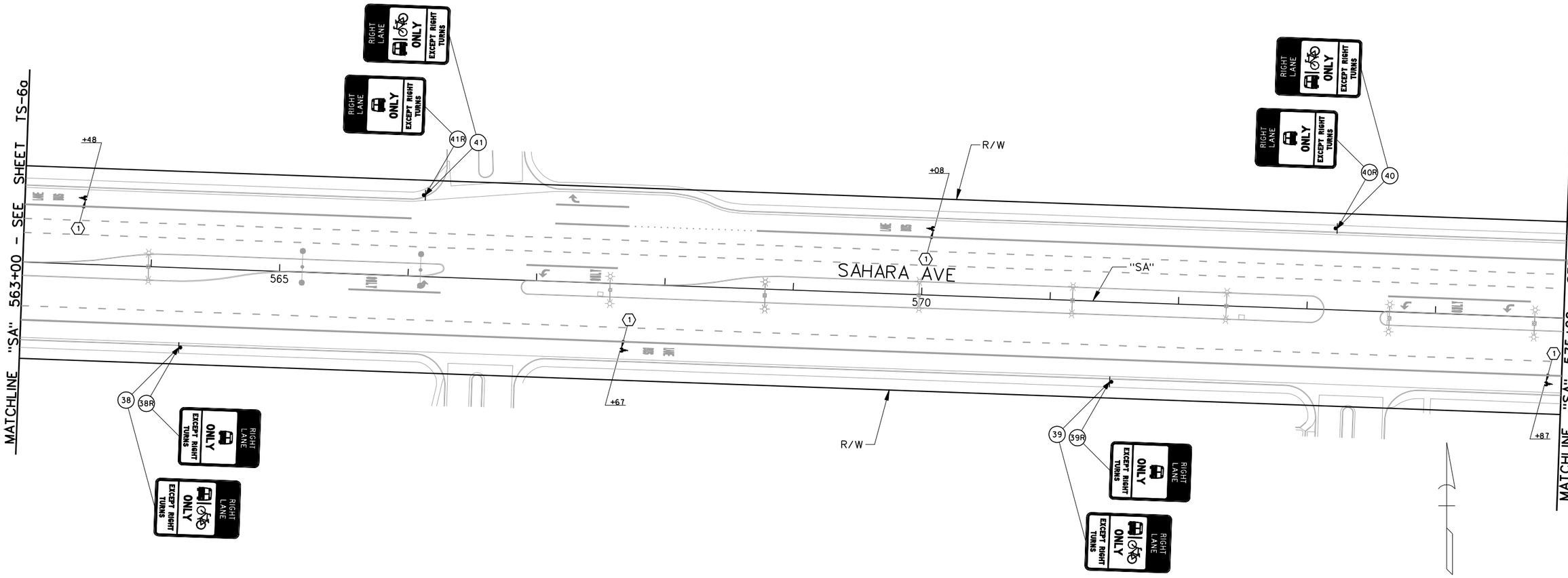
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RFP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-7



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

① "SA" 567+67.00, RT — INSTALL BIKE LEGENDS AS SHOWN
"SA" 574+87.00, RT — USING TYPE 2 PAVEMENT MARKINGS.
"SA" 570+08.00, LT — SEE DETAIL ON SHEET TS-52.
"SA" 563+48.00, LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD. 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 563+00 to "SA" 575+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RFP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

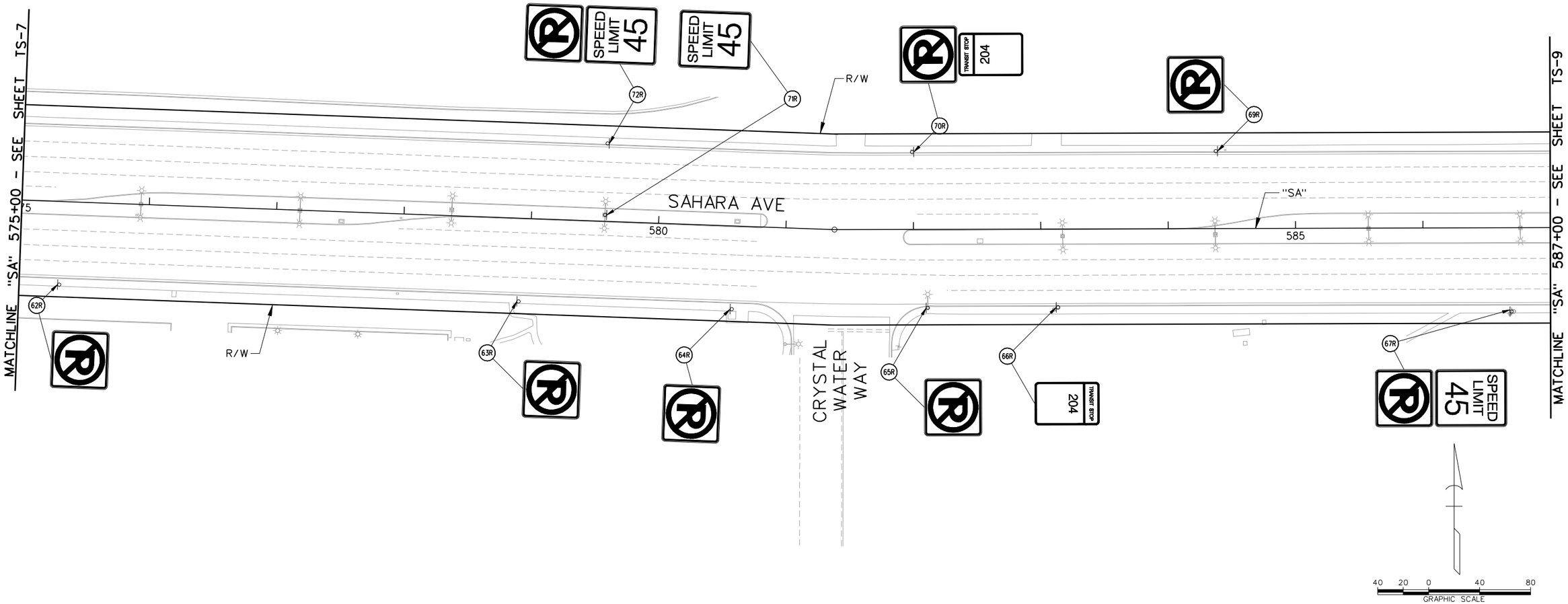
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-7a

Sheet 311a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR ✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN REMOVAL PLAN

"SA" 575+00 to "SA" 587+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

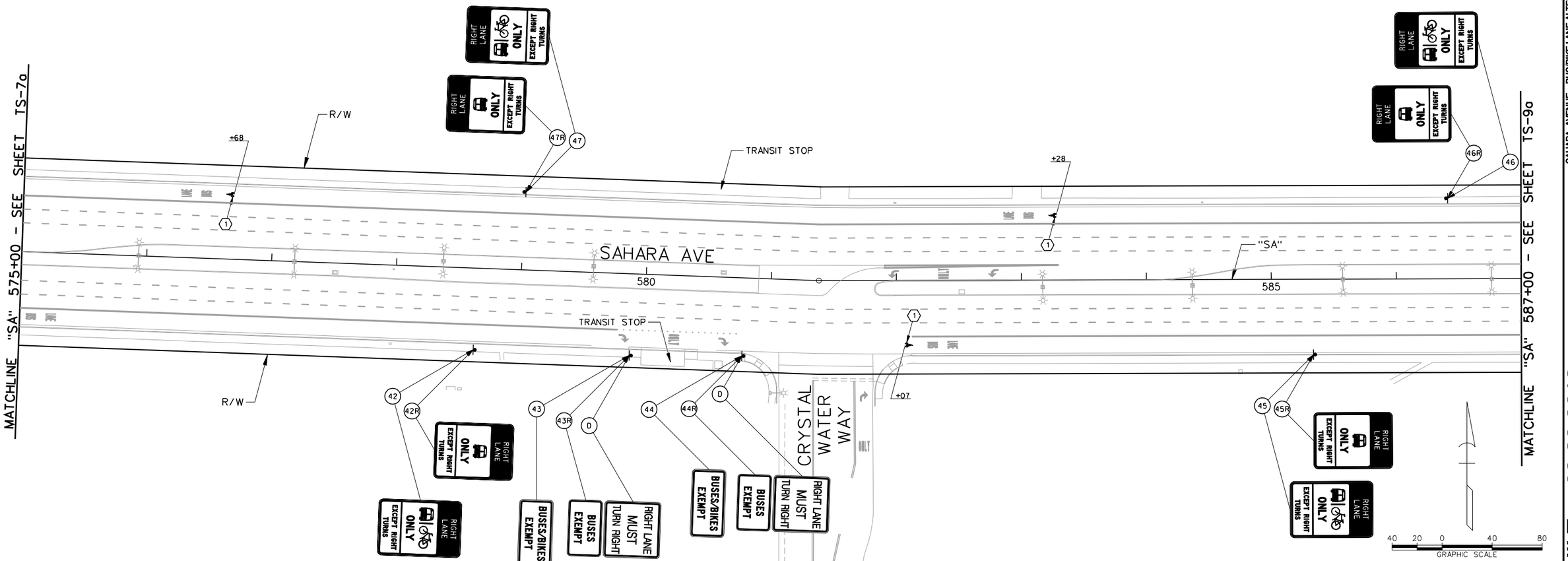
PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RFP
APPROVED BY	RJP		

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-8

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT - 09.30.2013

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 582+07.00. RT — INSTALL BIKE LEGENDS AS SHOWN
"SA" 583+28.00. LT — USING TYPE 2 PAVEMENT MARKINGS.
"SA" 576+68.00. LT — SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 575+00 to "SA" 587+00

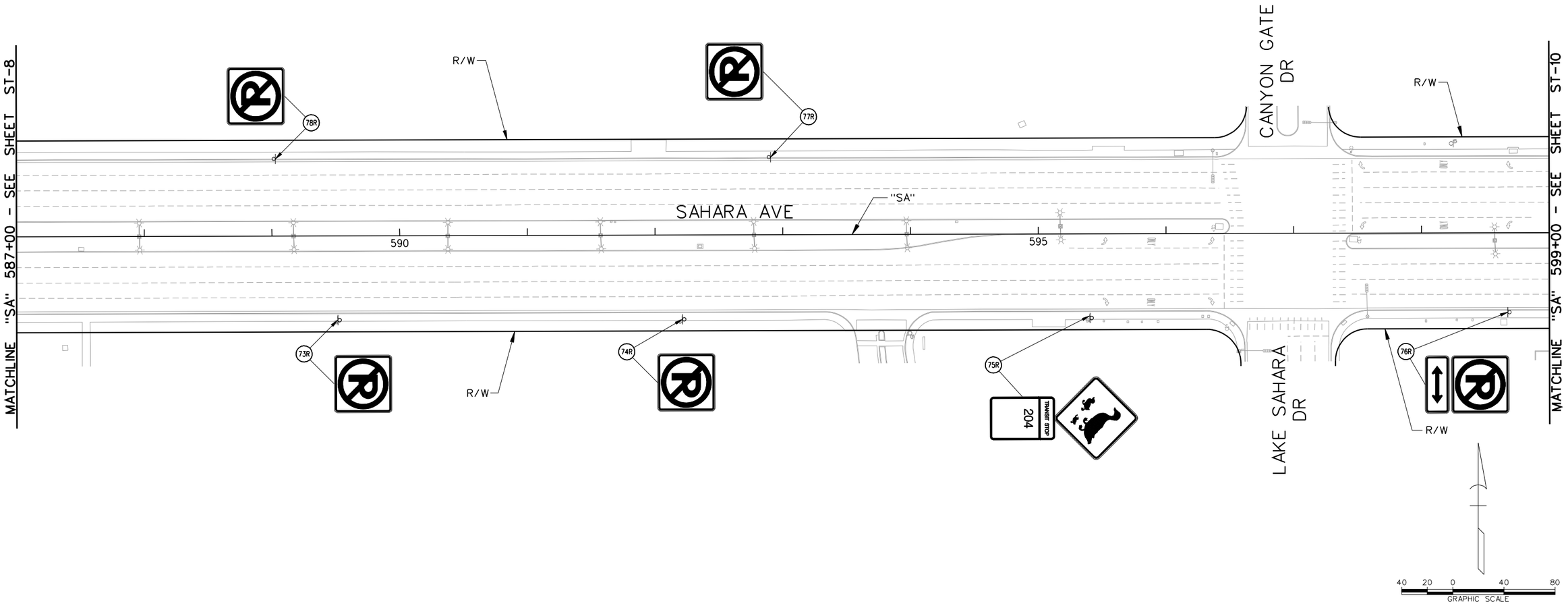
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RFP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-8a



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 587+00 to "SA" 599+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

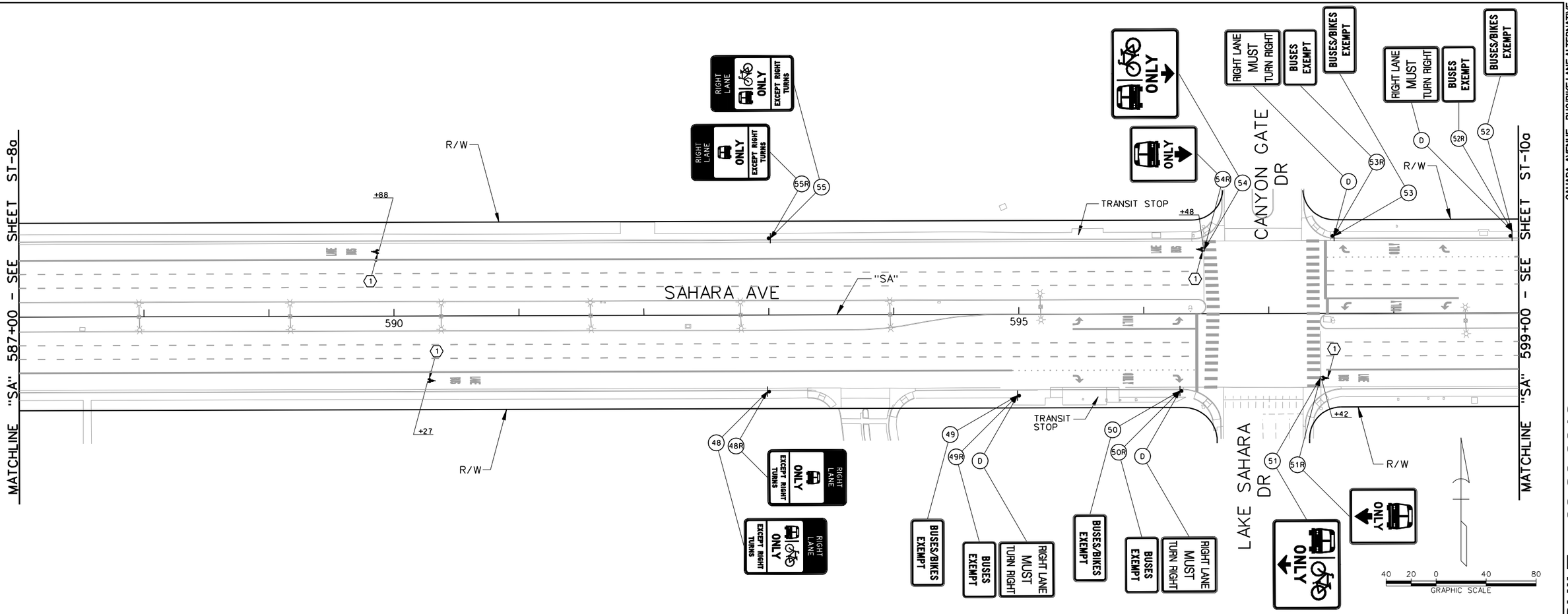
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-9

Sheet 313 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

STRIPING CONSTRUCTION ITEMS:

⟨1⟩	"SA" 589+27.00. RT "SA" 597+42.00. RT "SA" 596+48.00. LT "SA" 589+88.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 — 1-800-227-2600
FAST — Call before you UnderGround — 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD — 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 587+00 to "SA" 599+00

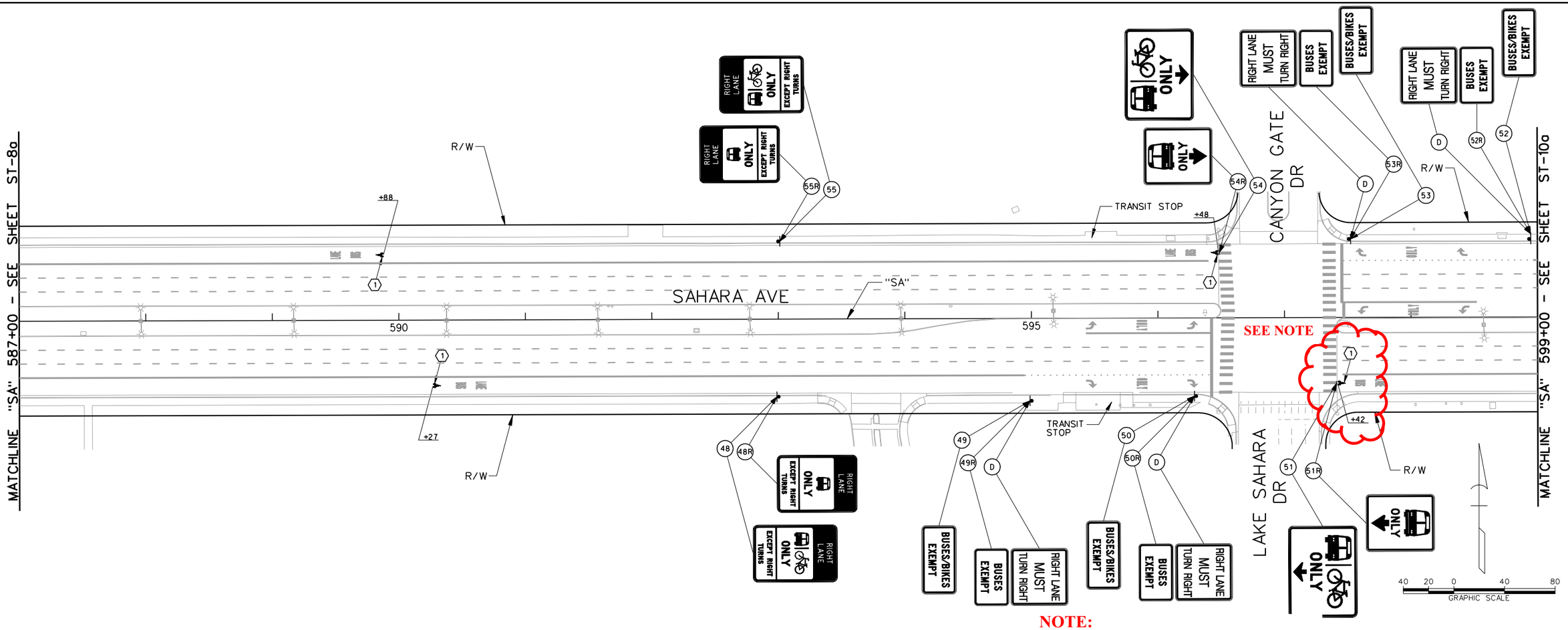
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6532 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK :
NONE

SHEET No.
TS-9a
Sheet 313a of 592



NOTE:
Bike lane legend cannot be installed due to minimum/maximum spacing required between the existing bus lane and bike legend. See "Permanent Striping Note No. 1" below.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

1	"SA" 589+27.00. RT "SA" 597+42.00. RT "SA" 596+48.00. LT "SA" 589+88.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	XR	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	D	- DO NOT DISTURB - SIGN TO REMAIN
Y		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

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Call before you Dig — Call 811 — 1-800-227-2600
FAST — Call before you UnderGround — 1-702-432-5300
CALL BEFORE YOU DIG OVERHEAD — 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"SA" 587+00 to "SA" 599+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

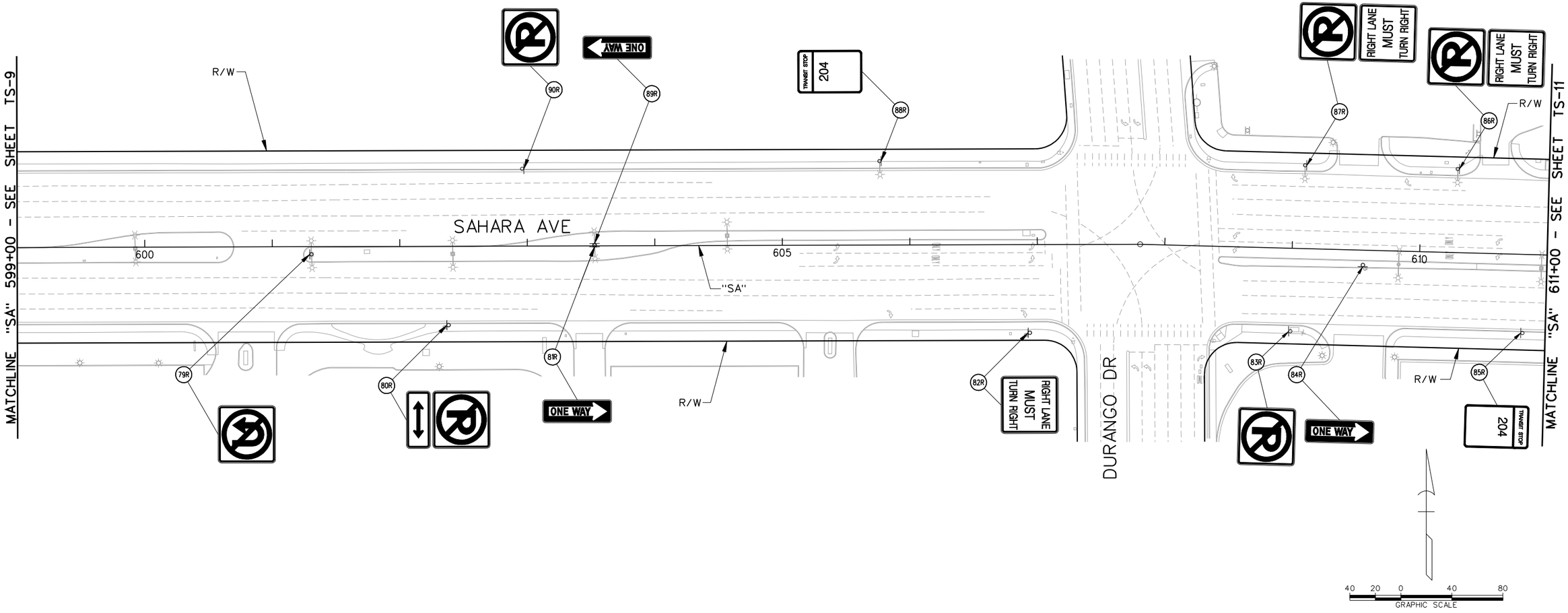
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6532 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK :
NONE

SHEET No.
TS-9a
Sheet 313a of 592

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE
09.30.2013
AS-BUILT - 09.30.2013



AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PERSONAL AND NATIONAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 599+00 to "SA" 611+00

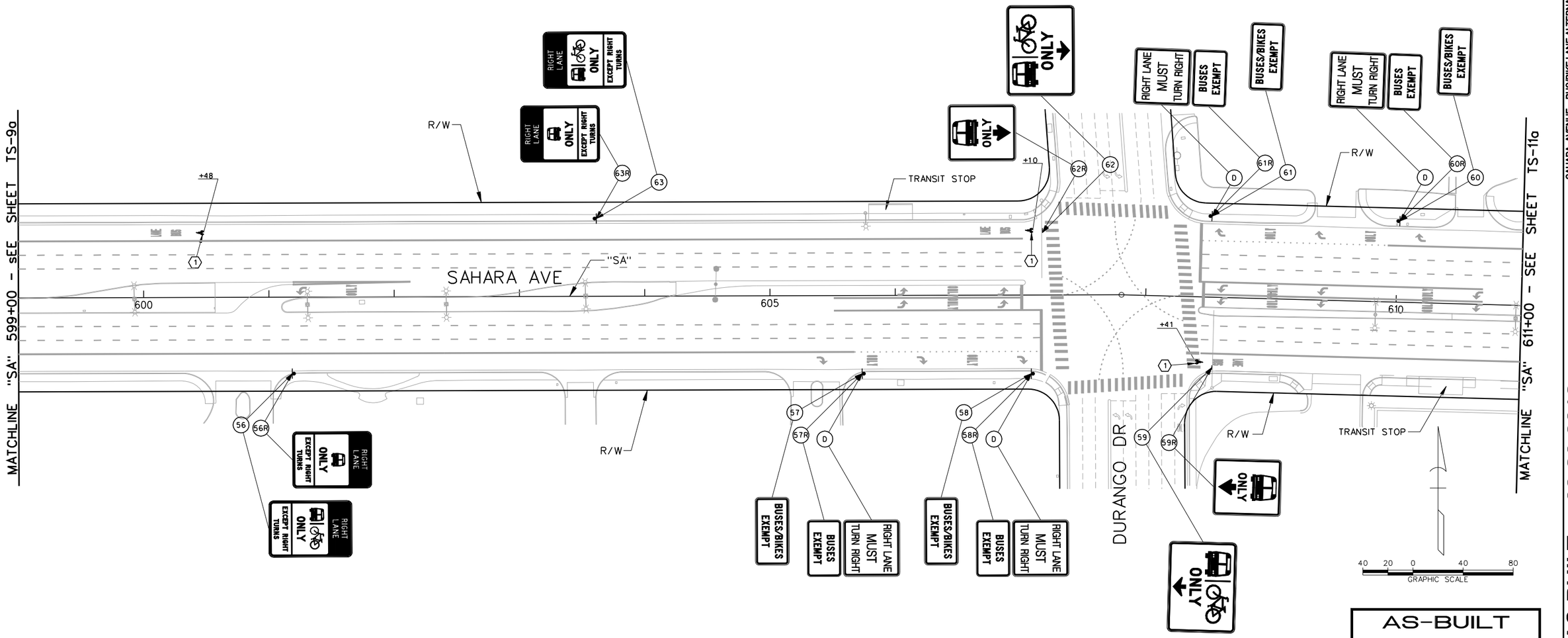
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-10



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 608+41.00, RT "SA" 605+10.00, LT "SA" 600+48.00, LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

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PERMANENT SIGNING NOTES:

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Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CRIMINAL
Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S CRIMINAL
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 599+00 to "SA" 611+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

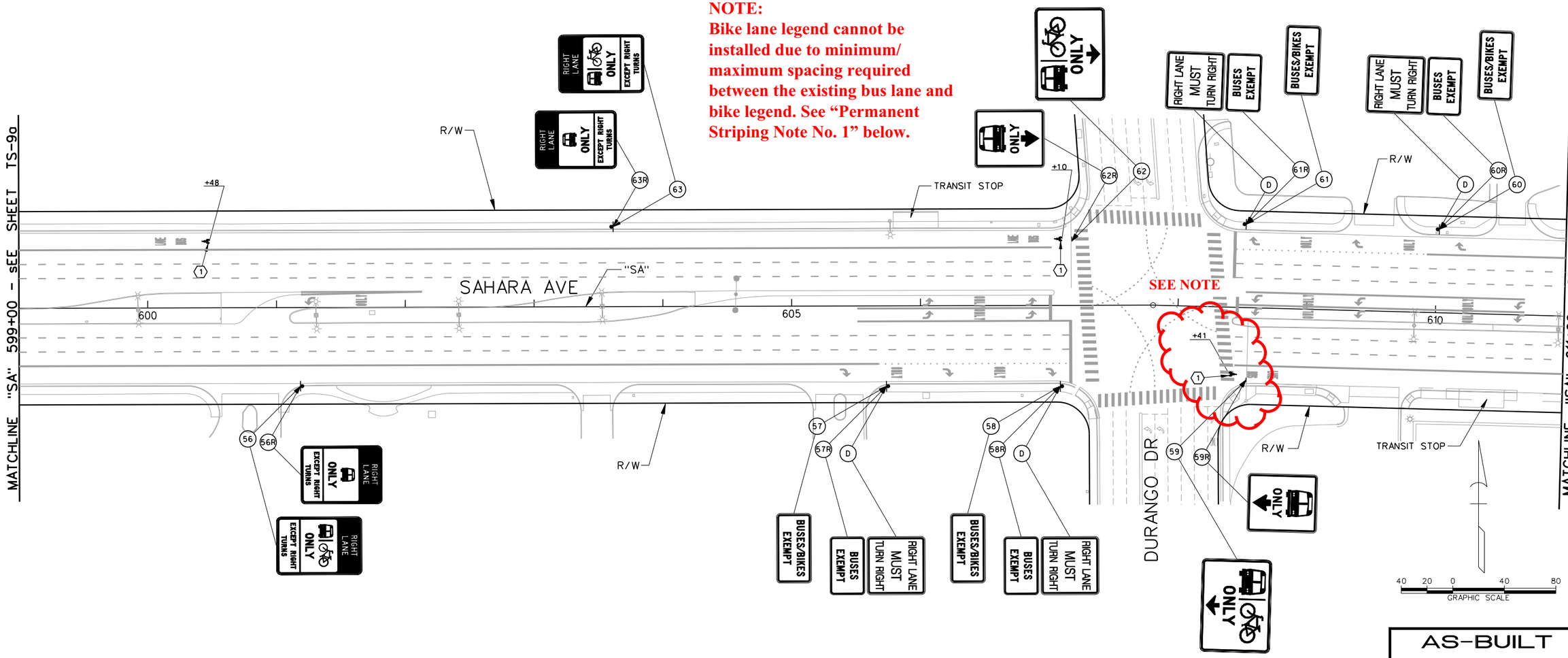
SHEET No. TS-10a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

09.30.2013

AS-BUILT - 09

NOTE:
Bike lane legend cannot be installed due to minimum/ maximum spacing required between the existing bus lane and bike legend. See "Permanent Striping Note No. 1" below.



STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 608+41.00, RT "SA" 605+10.00, LT "SA" 600+48.00, LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

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Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION

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REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"SA" 599+00 to "SA" 611+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
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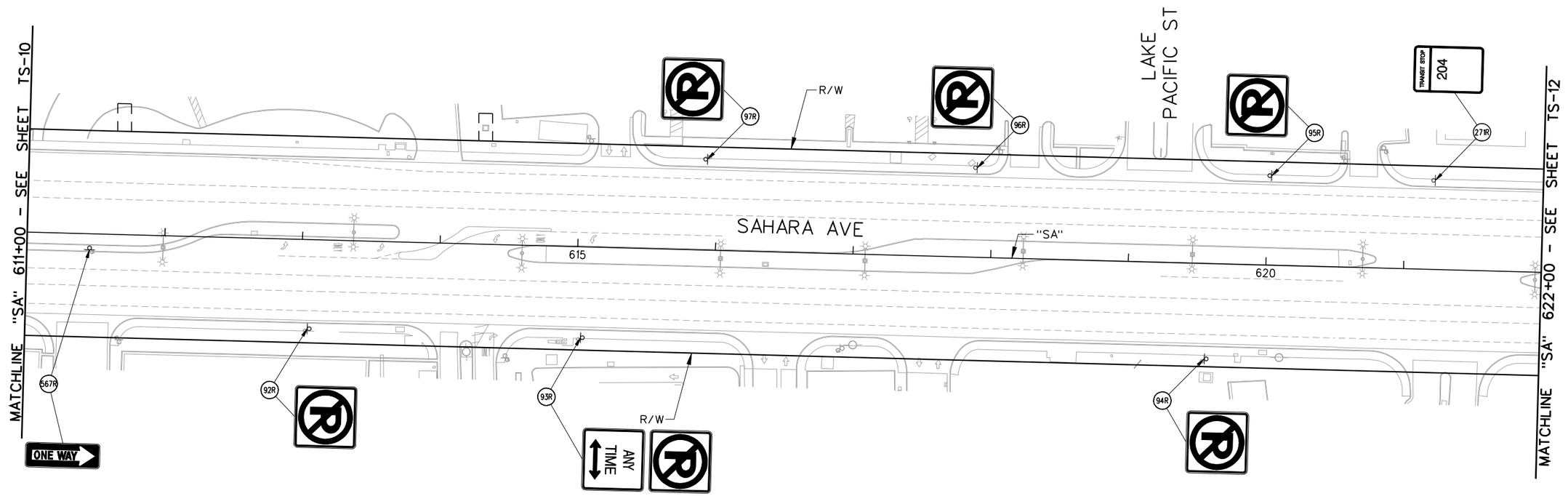
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-10a
Sheet 314a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

09.30.2013

AS-BUILT - 09



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
(XR)		- EXISTING SIGN TO BE REMOVED AND SALVAGED
(D)		- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. ITS COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. ITS COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 611+00 to "SA" 622+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

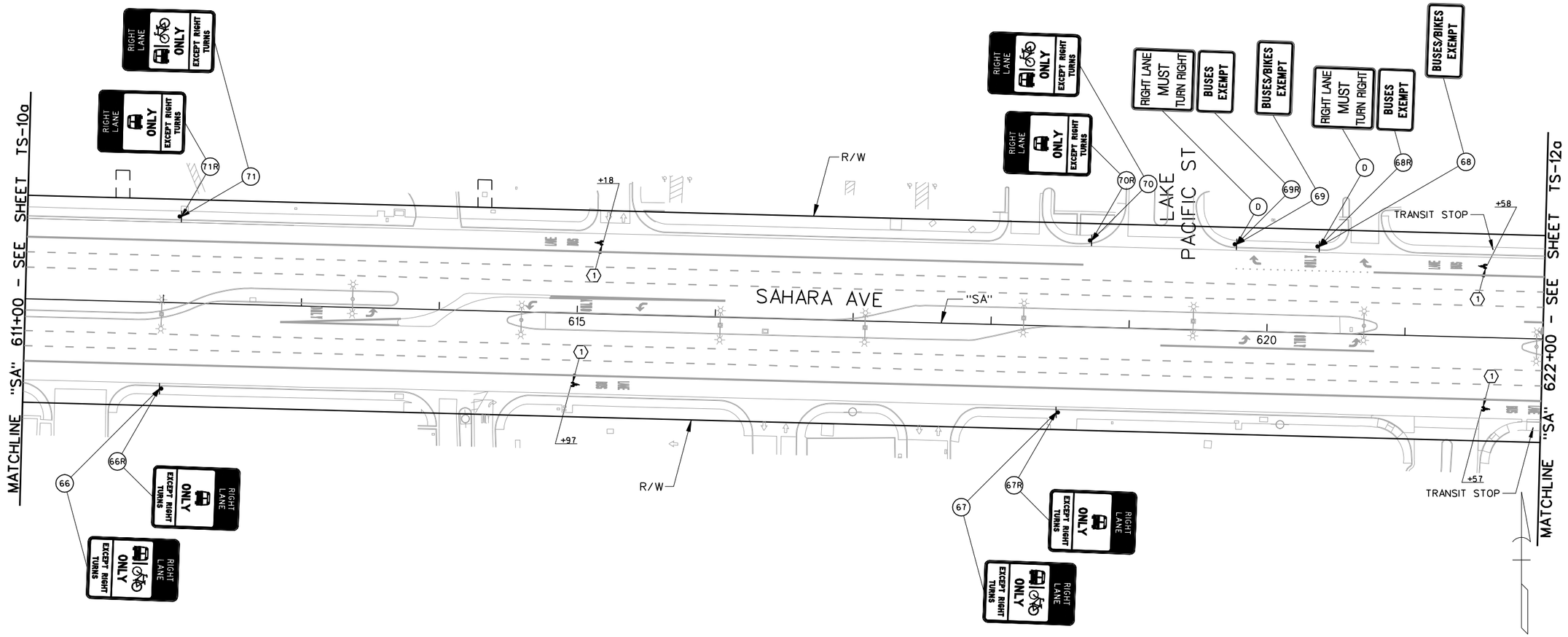
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-11

Sheet 315 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 613+97.00. RT
"SA" 621+57.00. RT
"SA" 621+58.00. LT
"SA" 615+18.00. LT

INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 611+00 to "SA" 622+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

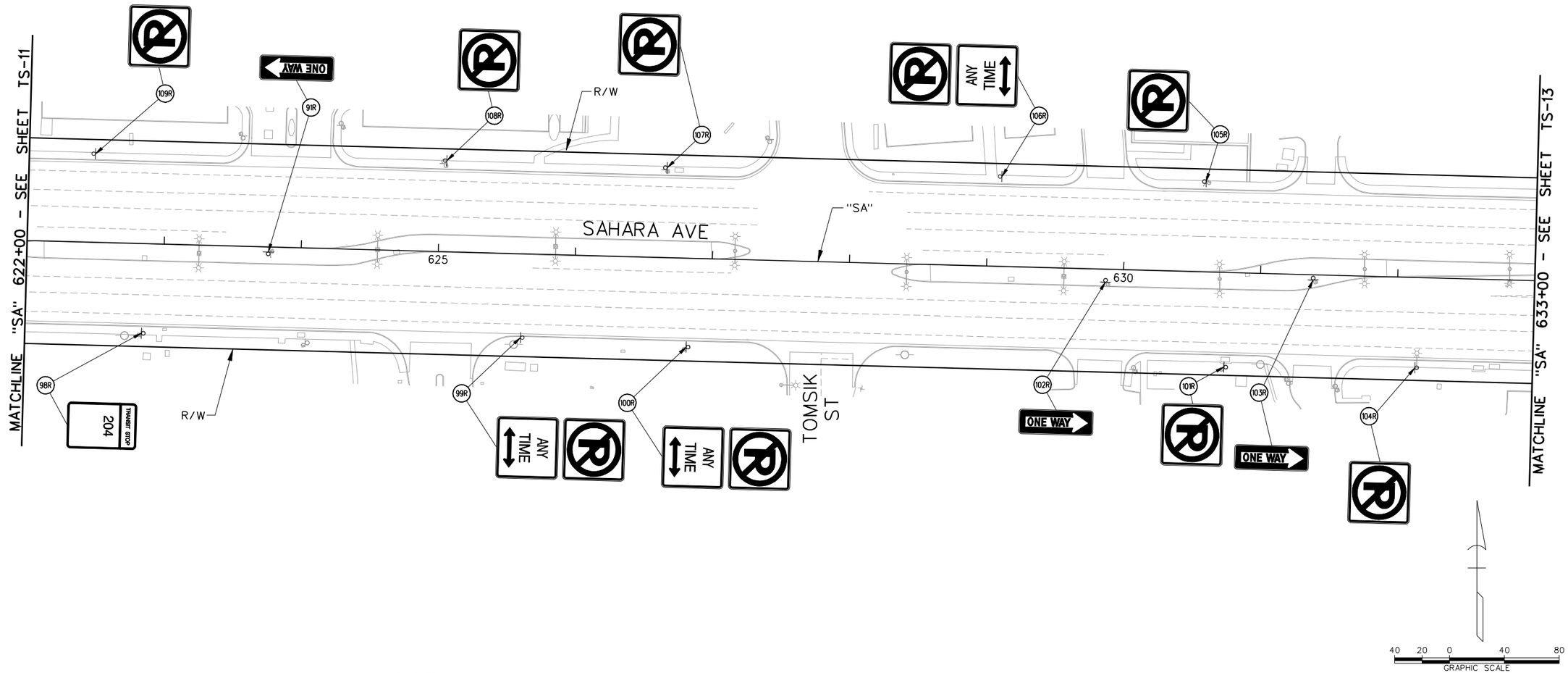
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-11a

Sheet 315a of 592

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call Before You Dig Overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 622+00 to "SA" 633+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

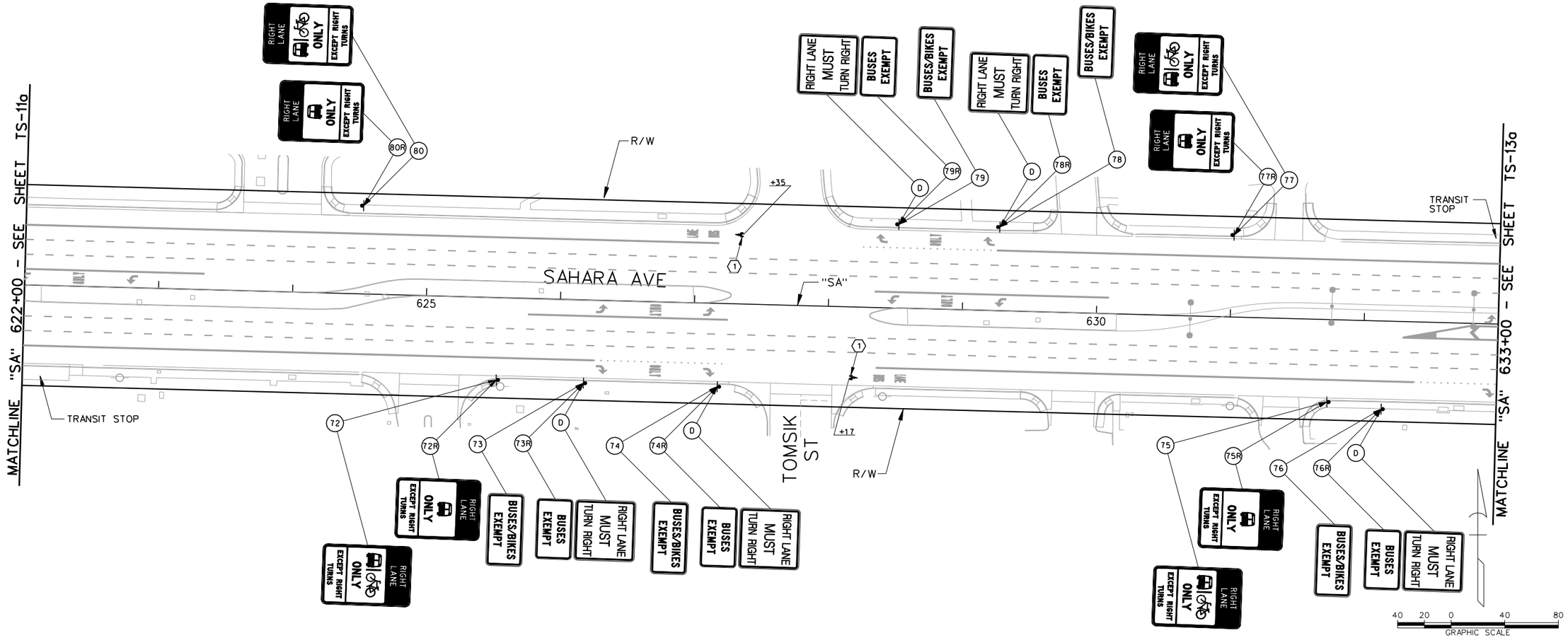
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HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-12

Sheet 316 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 628+17.00, RT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.
"SA" 627+35.00, LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY. Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 622+00 to "SA" 633+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

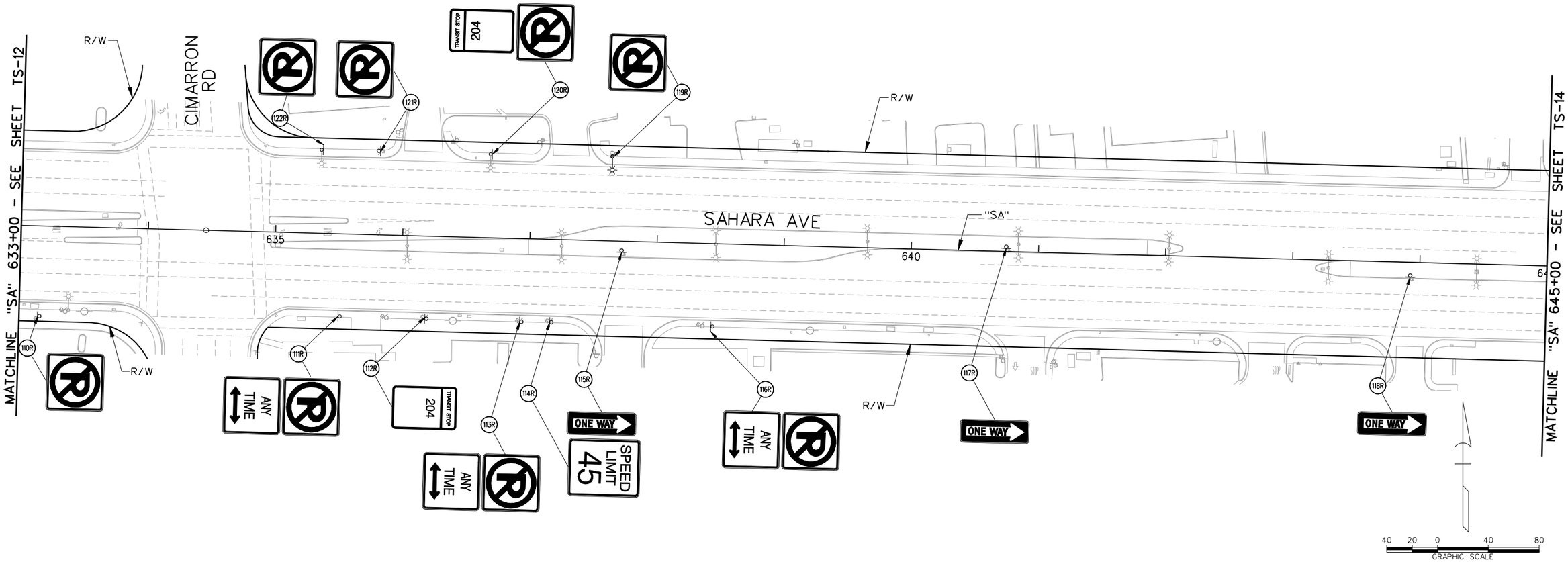
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6532 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-12a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
▸	▸	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR ✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES, ETC. CONTACT Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES, ETC. CONTACT CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 633+00 to "SA" 645+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

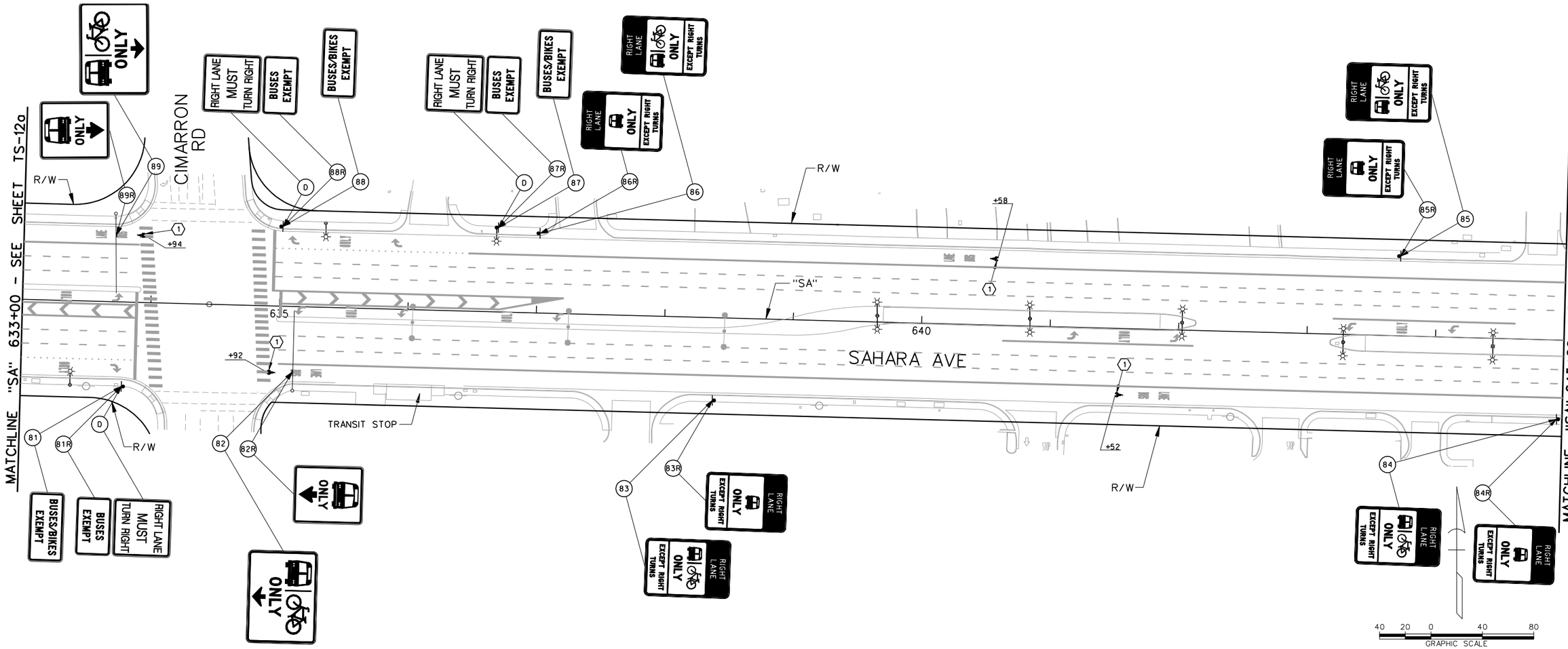
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-13

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 634+92.00. RT "SA" 641+52.00. RT "SA" 640+58.00. LT "SA" 633+94.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 OR 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN "SA" 633+00 to "SA" 645+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

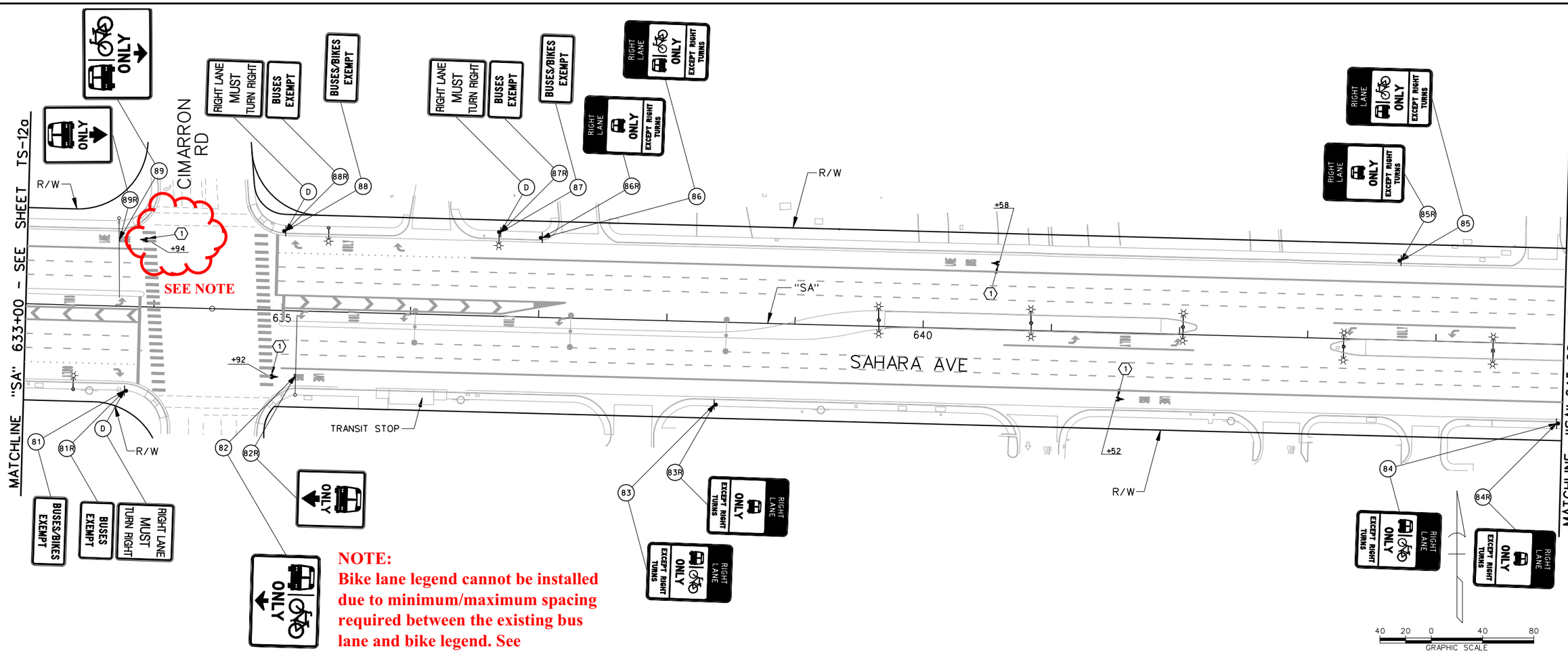
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SHEET No. TS-13a

Sheet 317a of 592

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



NOTE:
Bike lane legend cannot be installed due to minimum/maximum spacing required between the existing bus lane and bike legend. See "Permanent Striping Note No. 1" below.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 634+92.00. RT "SA" 641+52.00. RT "SA" 640+58.00. LT "SA" 633+94.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN "SA" 633+00 to "SA" 645+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

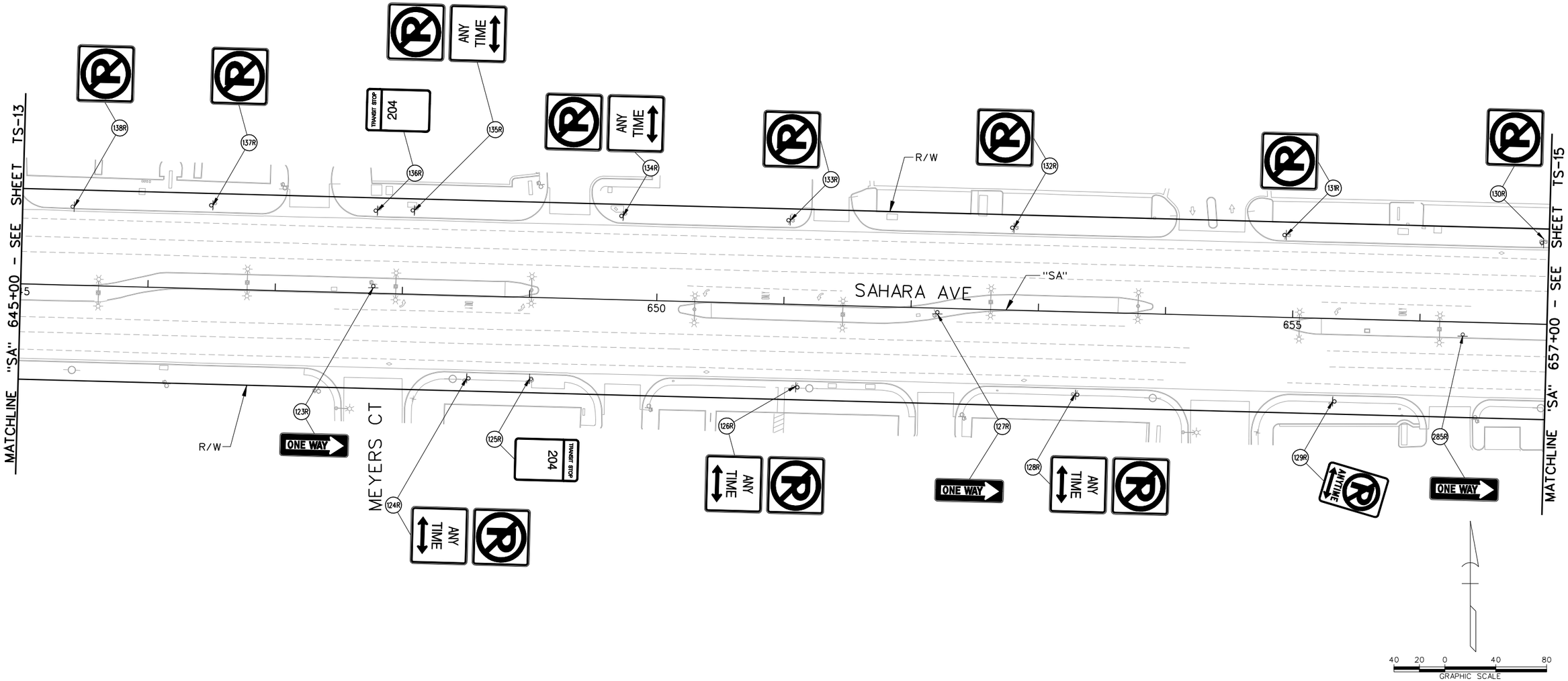
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HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-13a

Sheet 317a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 645+00 to "SA" 657+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

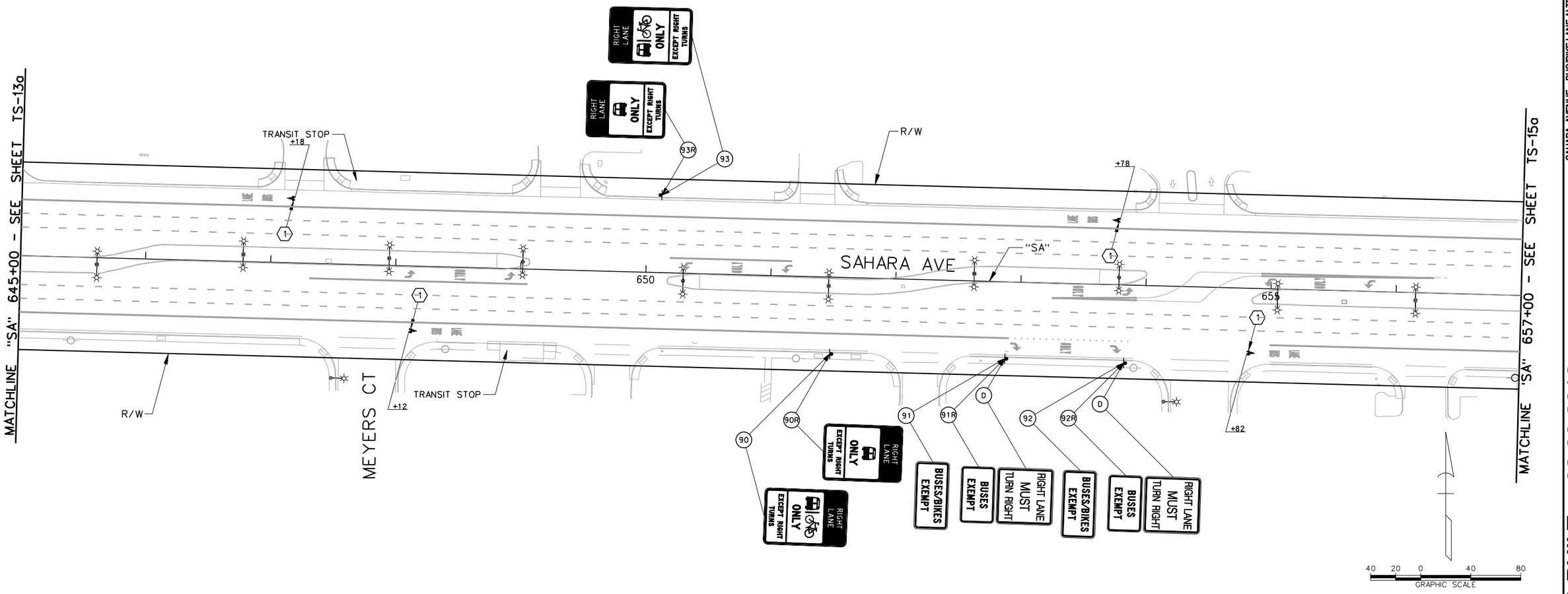
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-14

Sheet 318 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 648+12.00. RT
"SA" 654+82.00. RT
"SA" 653+78.00. LT
"SA" 647+18.00. LT

INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
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Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
Call Before You Do Overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

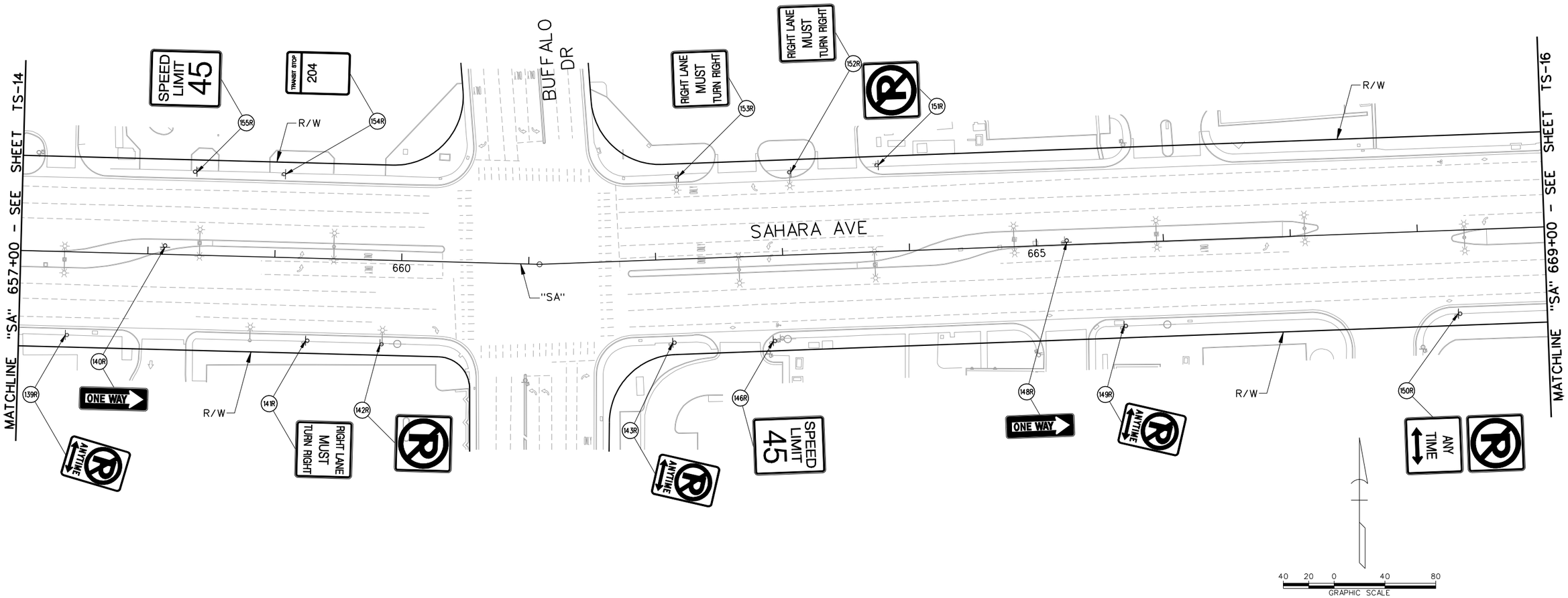
SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"SA" 645+00 to "SA" 657+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-14a



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 657+00 to "SA" 669+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

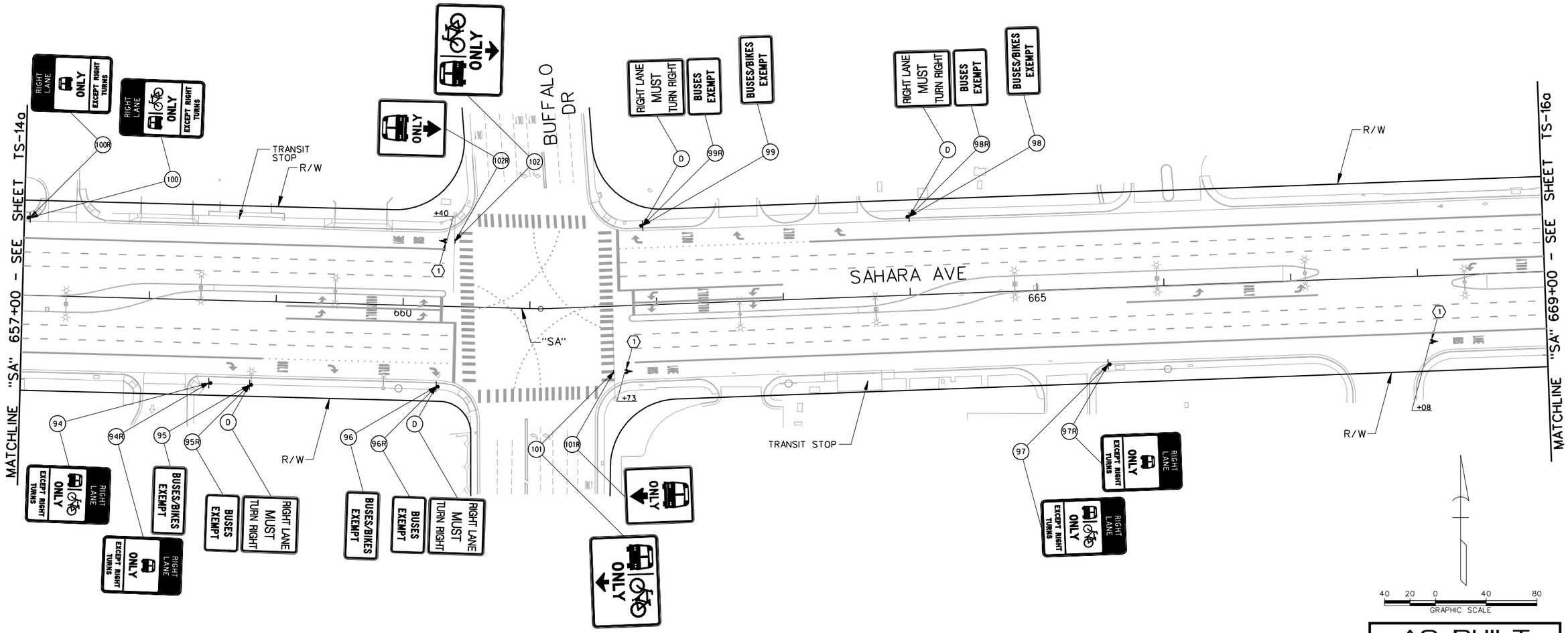
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-15

Sheet 319 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 661+73.00. RT — INSTALL BIKE LEGENDS AS SHOWN
"SA" 668+08.00. RT — USING TYPE 2 PAVEMENT MARKINGS.
"SA" 660+40.00. LT — SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 OR 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 657+00 to "SA" 669+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

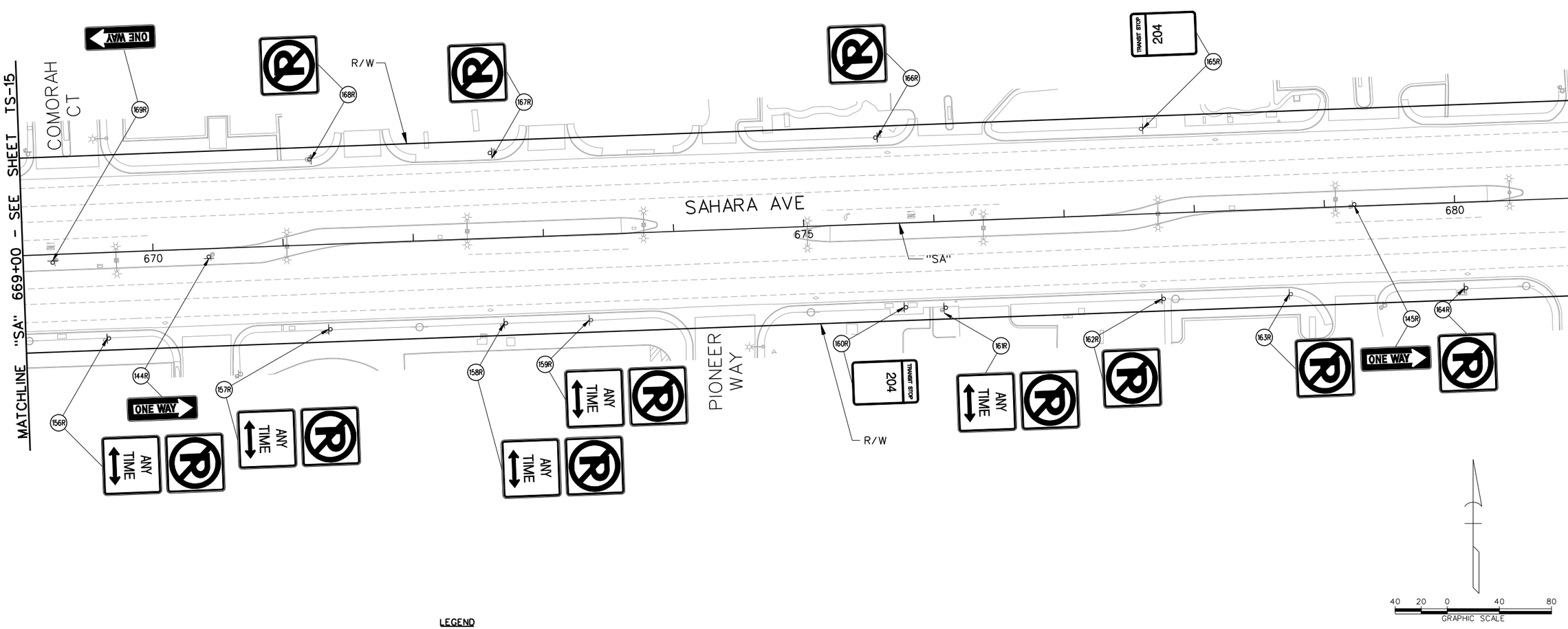
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-15a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Avoid hitting overhead power lines. It's costly. Call before you dig overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 669+00 to "SA" 681+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

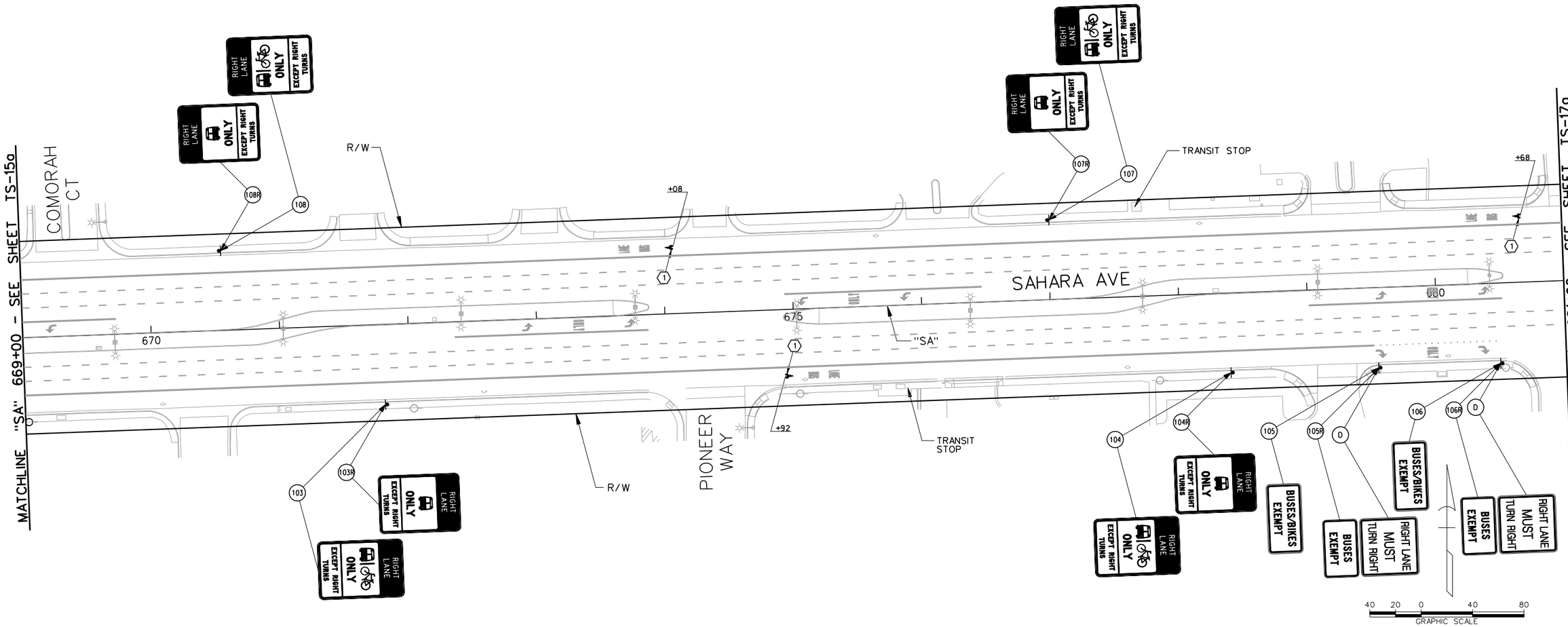
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-16
Sheet 320 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 674+92.00. RT "SA" 680+68.00. LT "SA" 674+08.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call before you dig overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 669+00 to "SA" 681+00

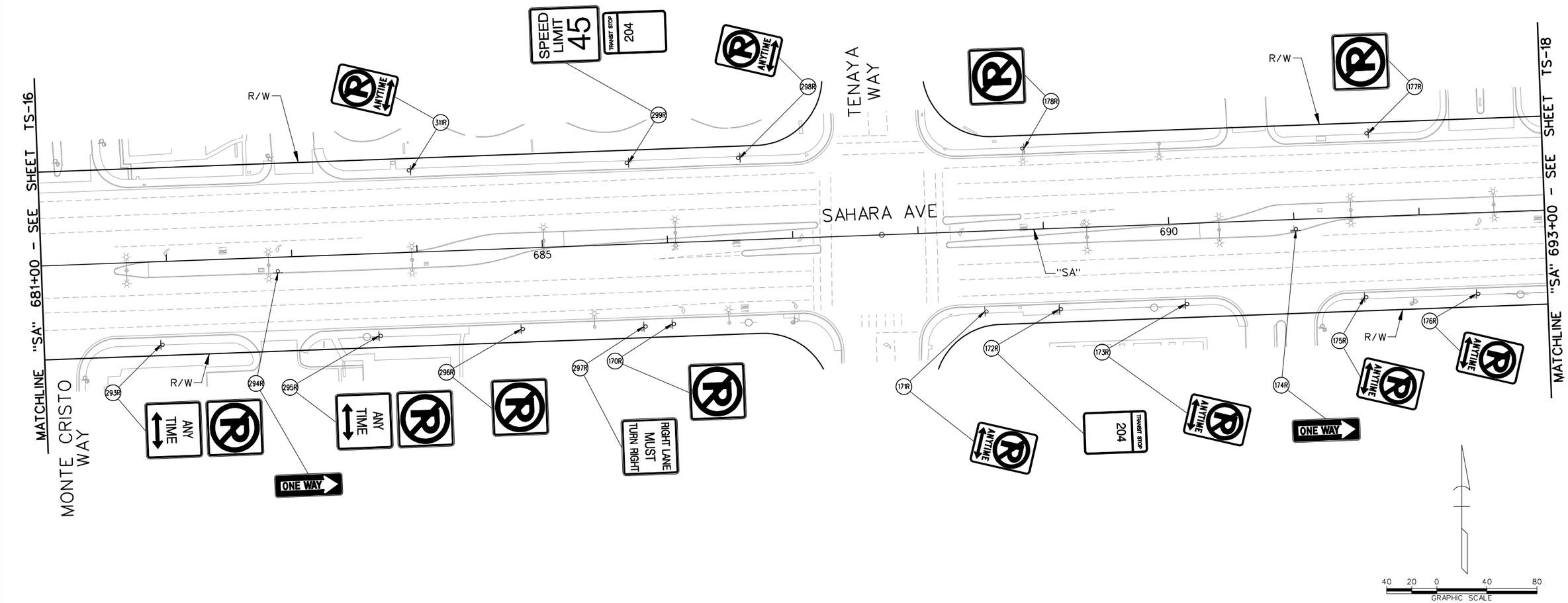
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-16a



AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
PRIMARY AND ARTERIAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 681+00 to "SA" 693+00

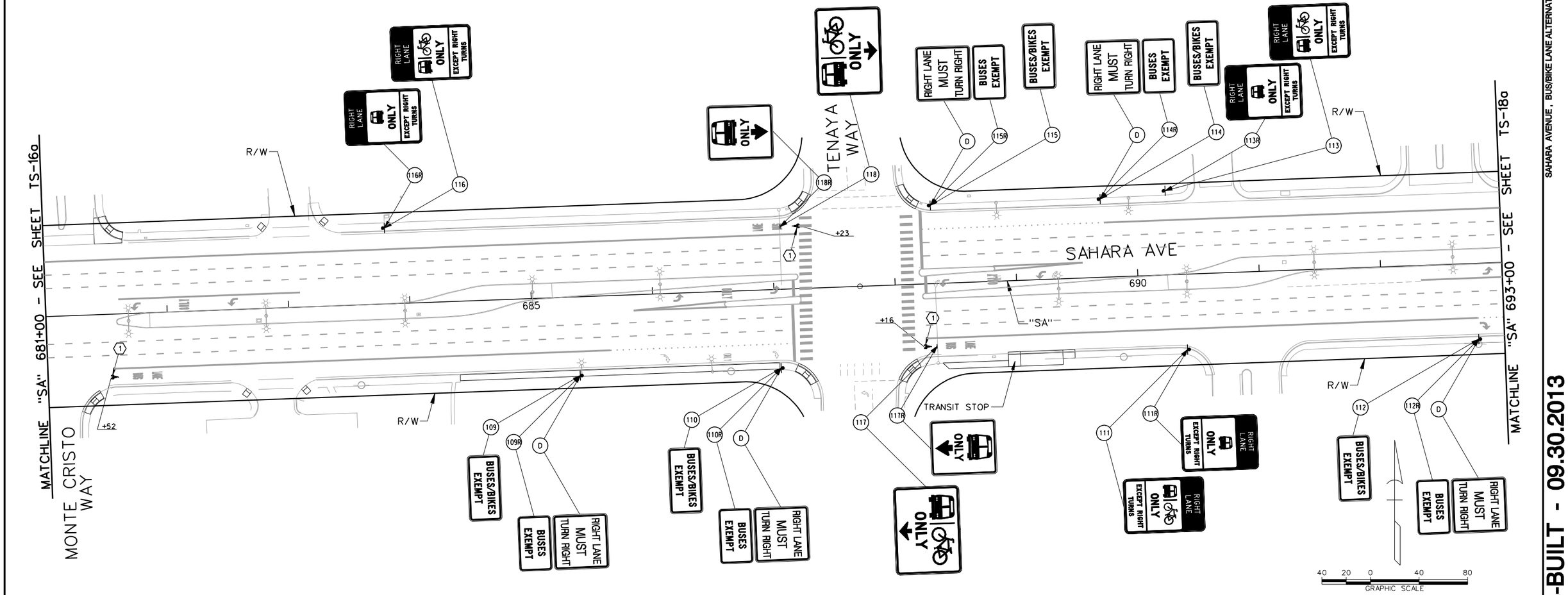
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-17



AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

1	"SA" 681+52.00. RT "SA" 688+16.00. RT "SA" 687+23.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	XR	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	D	- DO NOT DISTURB - SIGN TO REMAIN
Y		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 681+00 to "SA" 693+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

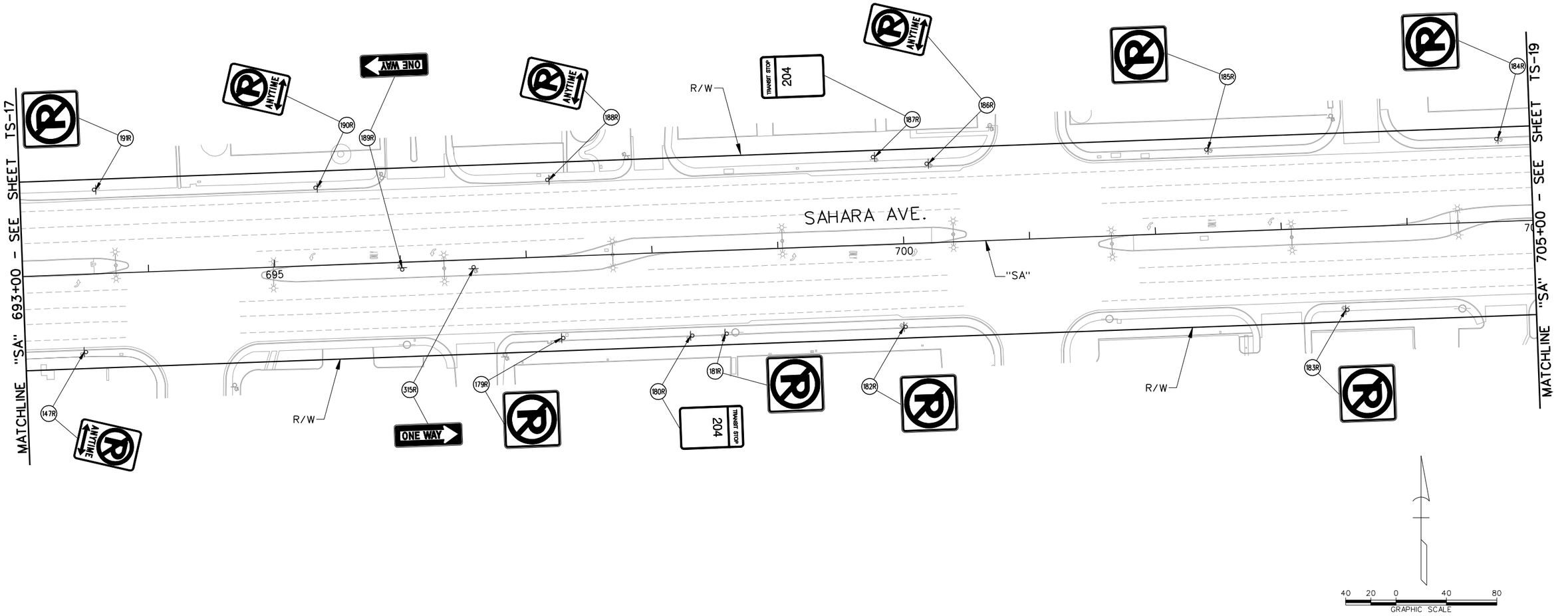
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-17a

Sheet 321a of 592



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 693+00 to "SA" 705+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

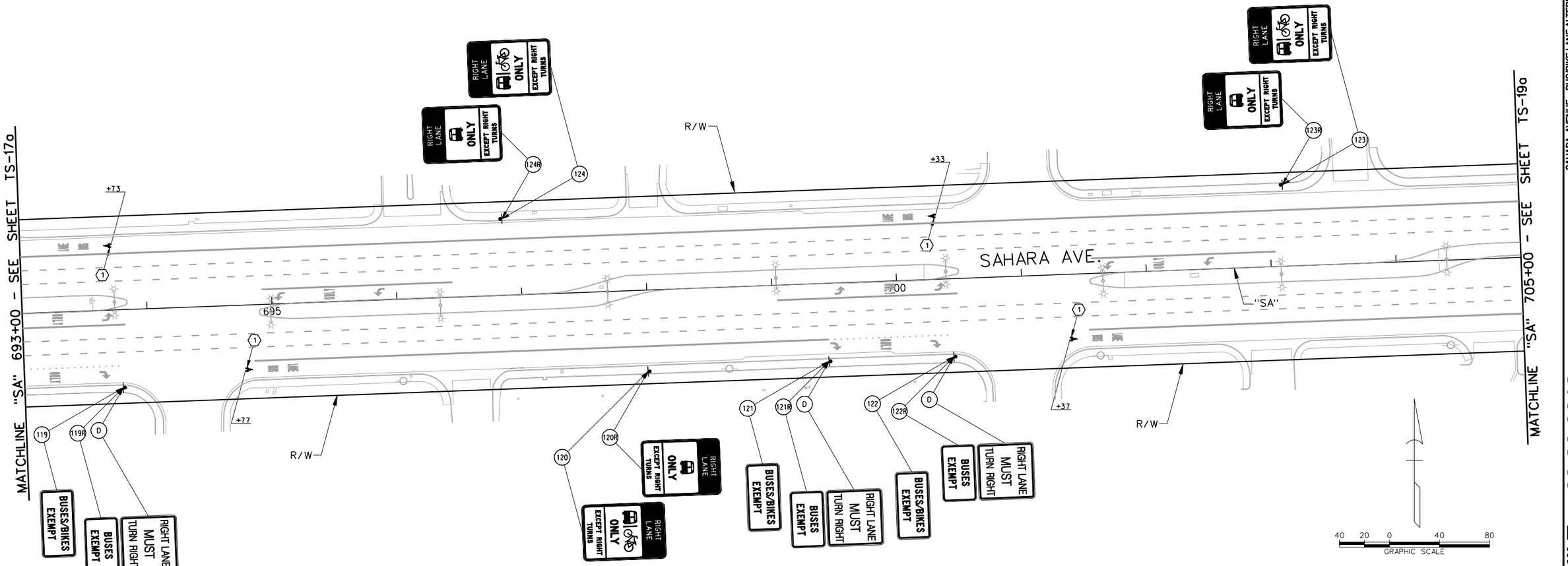
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-18

Sheet 322 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 694+77.00, RT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.
"SA" 701+37.00, RT
"SA" 700+33.00, LT
"SA" 693+73.00, LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 693+00 to "SA" 705+00

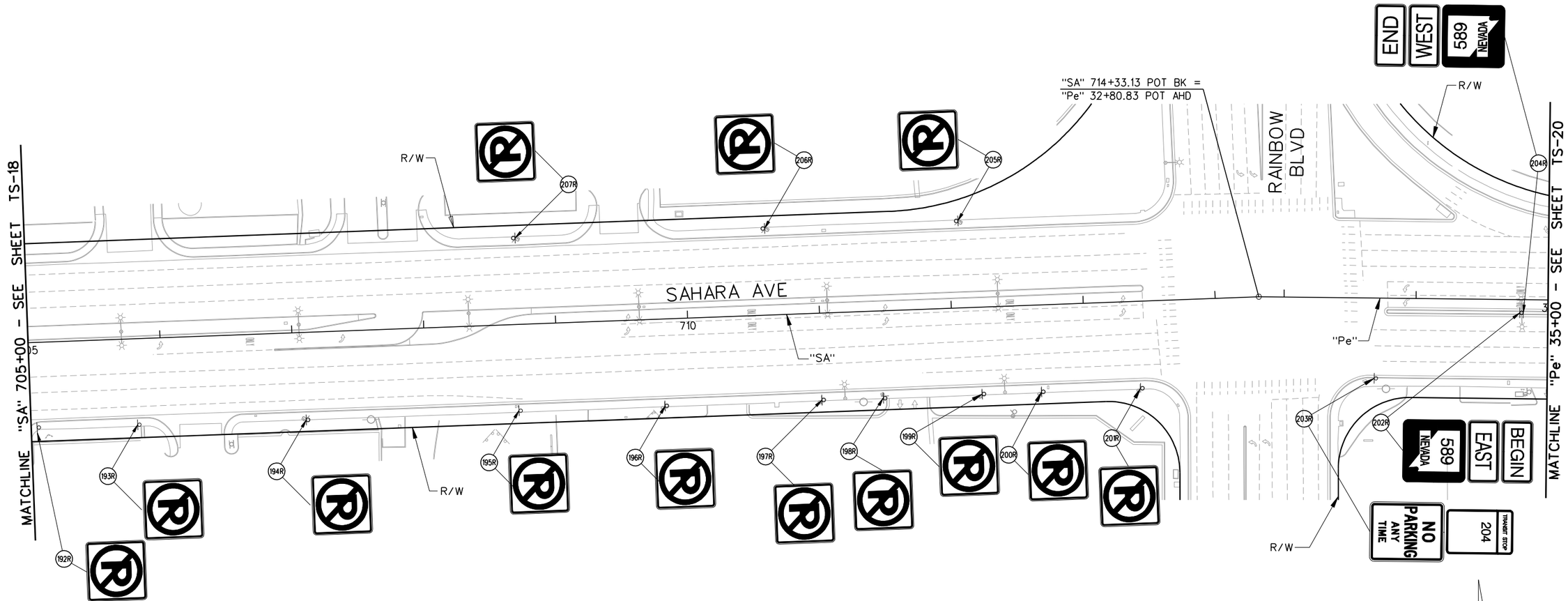
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

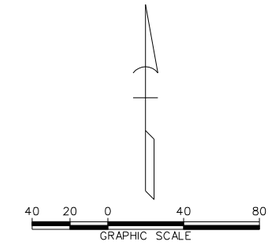
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-18a





LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 705+00 to "Pe" 35+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

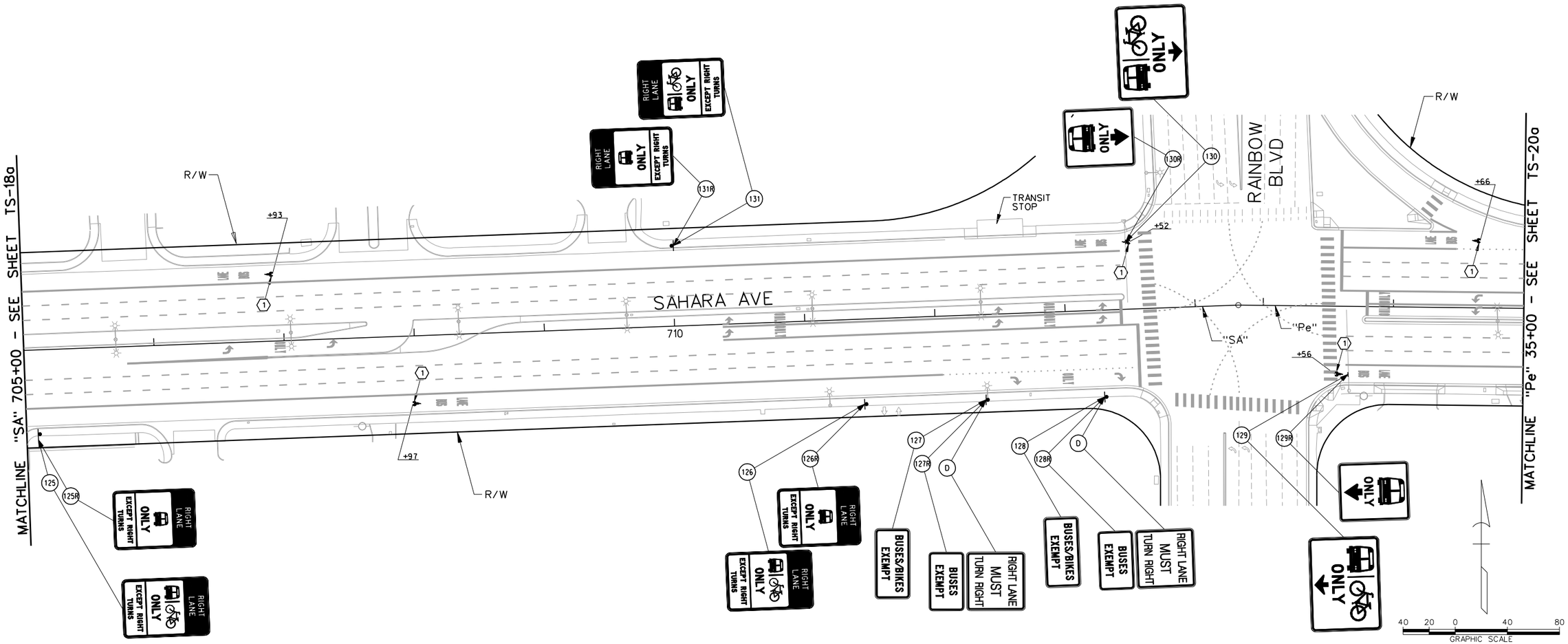
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-19

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 707+97.00, RT
"Pe" 33+56.00, RT
"SA" 713+52.00, LT
"SA" 706+93.00, LT
"Pe" 34+66.00, LT

INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

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2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 705+00 to "Pe" 35+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

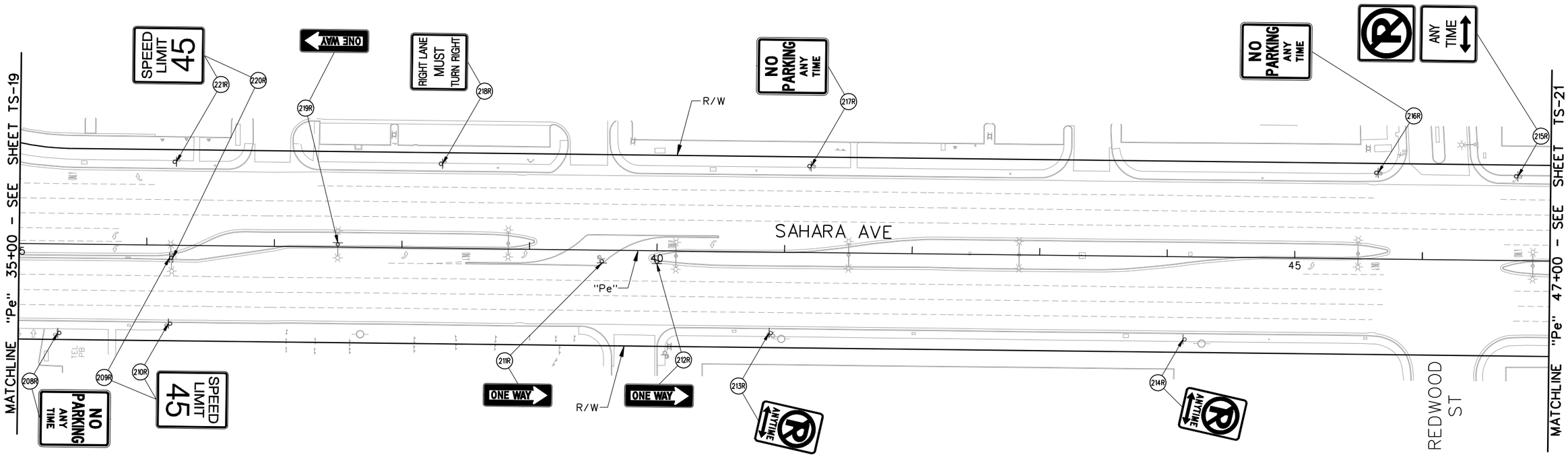
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-19a

Sheet 323a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVSL PLAN

"Pe" 35+00 to "Pe" 47+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

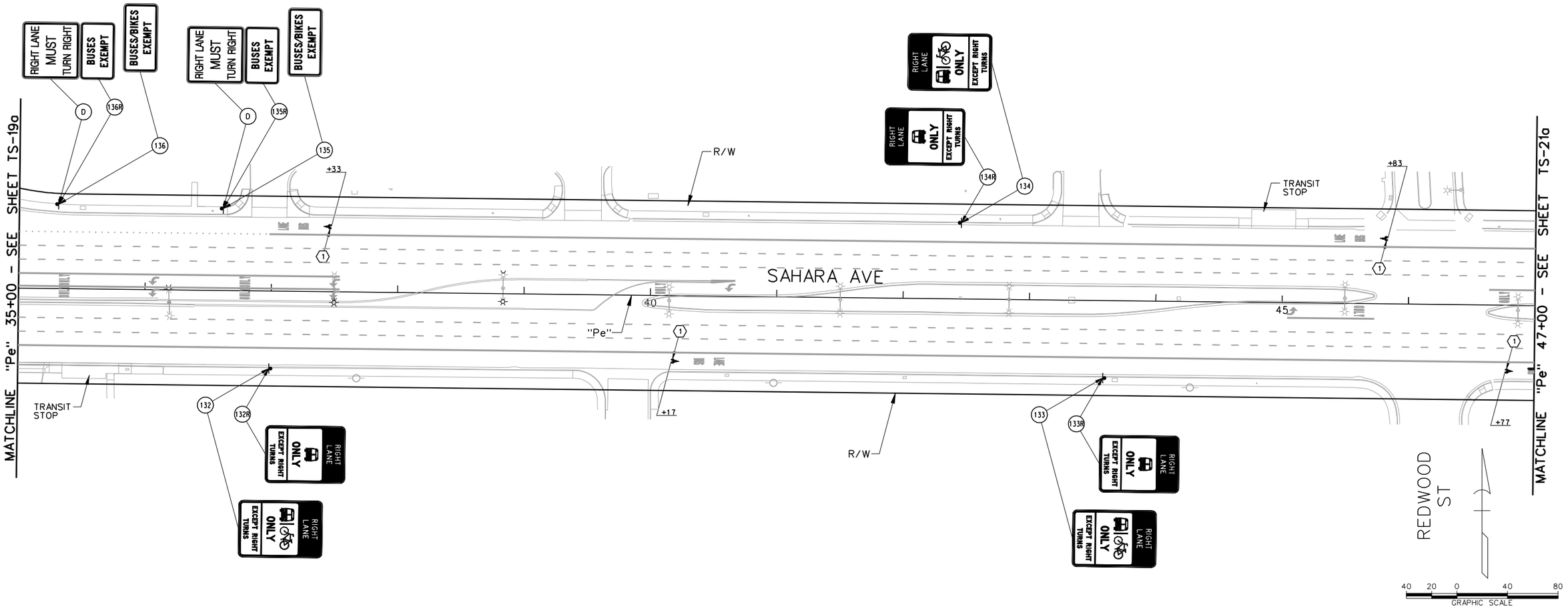
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-20

Sheet 324 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 40+17.00, RT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.
"Pe" 46+77.00, RT
"Pe" 45+83.00, LT
"Pe" 37+33.00, LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 — 1-800-227-2600
FAST — Call before you UnderGround — 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD — 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 35+00 to "Pe" 47+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

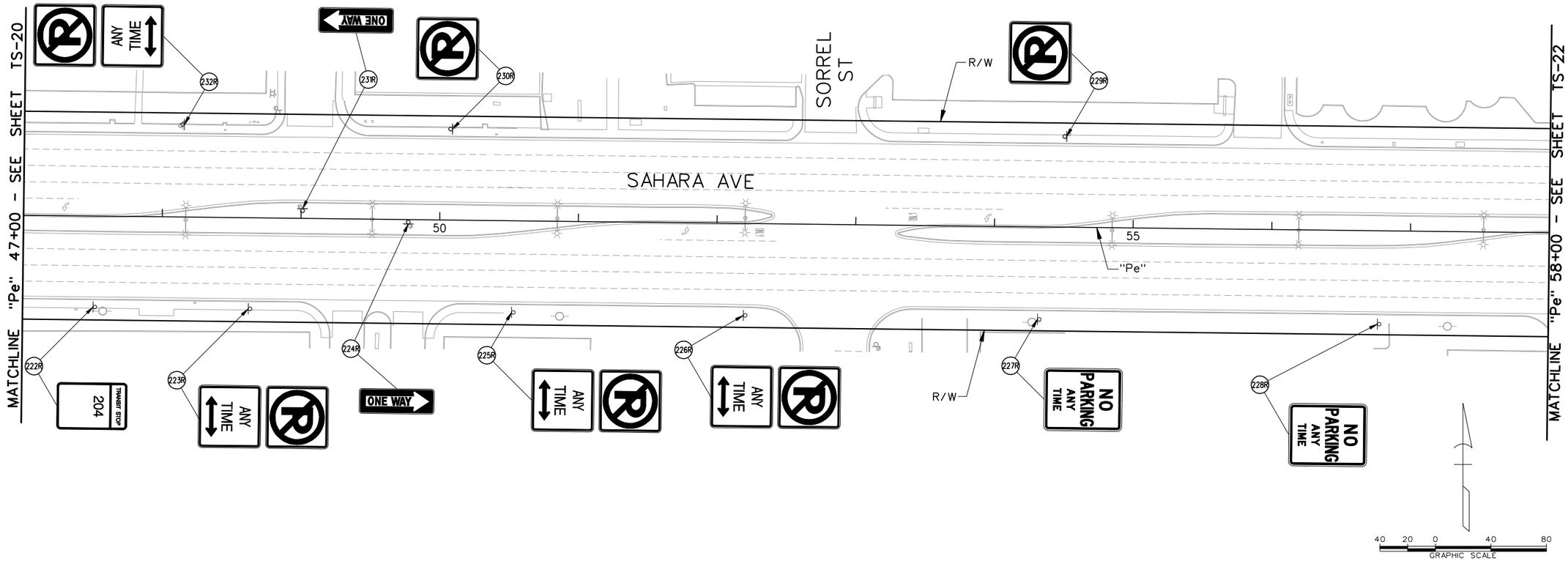
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-20a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST — Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 47+00 to "Pe" 58+00

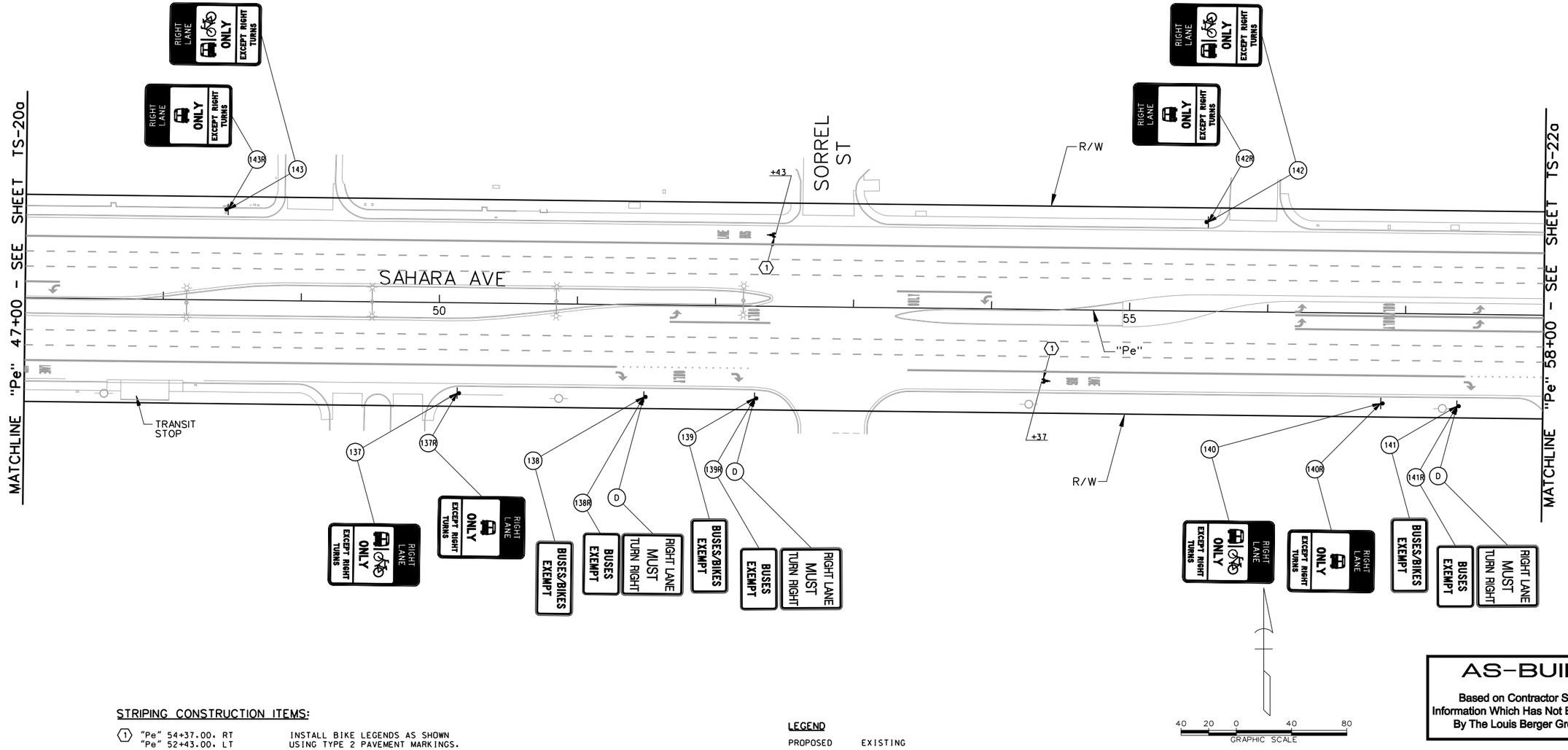
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
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SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-21



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 54+37.00. RT
"Pe" 52+43.00. LT
INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLTION PLAN

"Pe" 47+00 to "Pe" 58+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

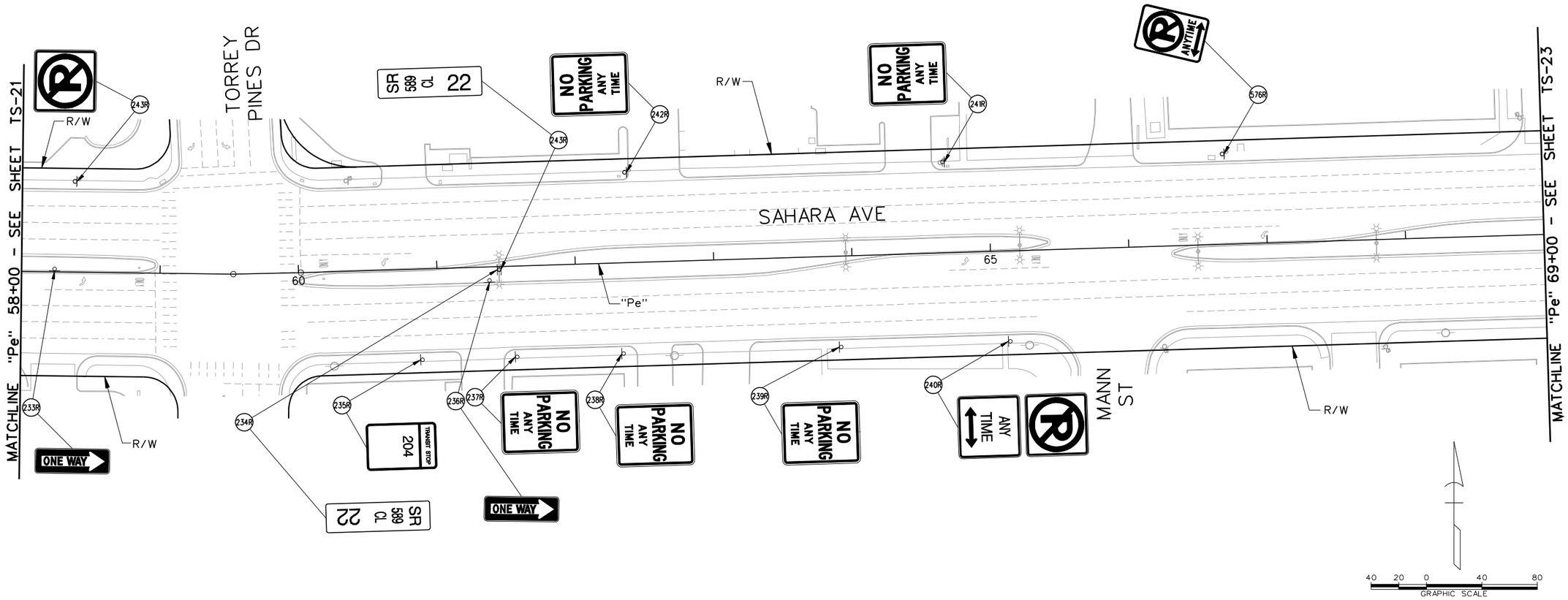
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PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-21a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 58+00 to "Pe" 69+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

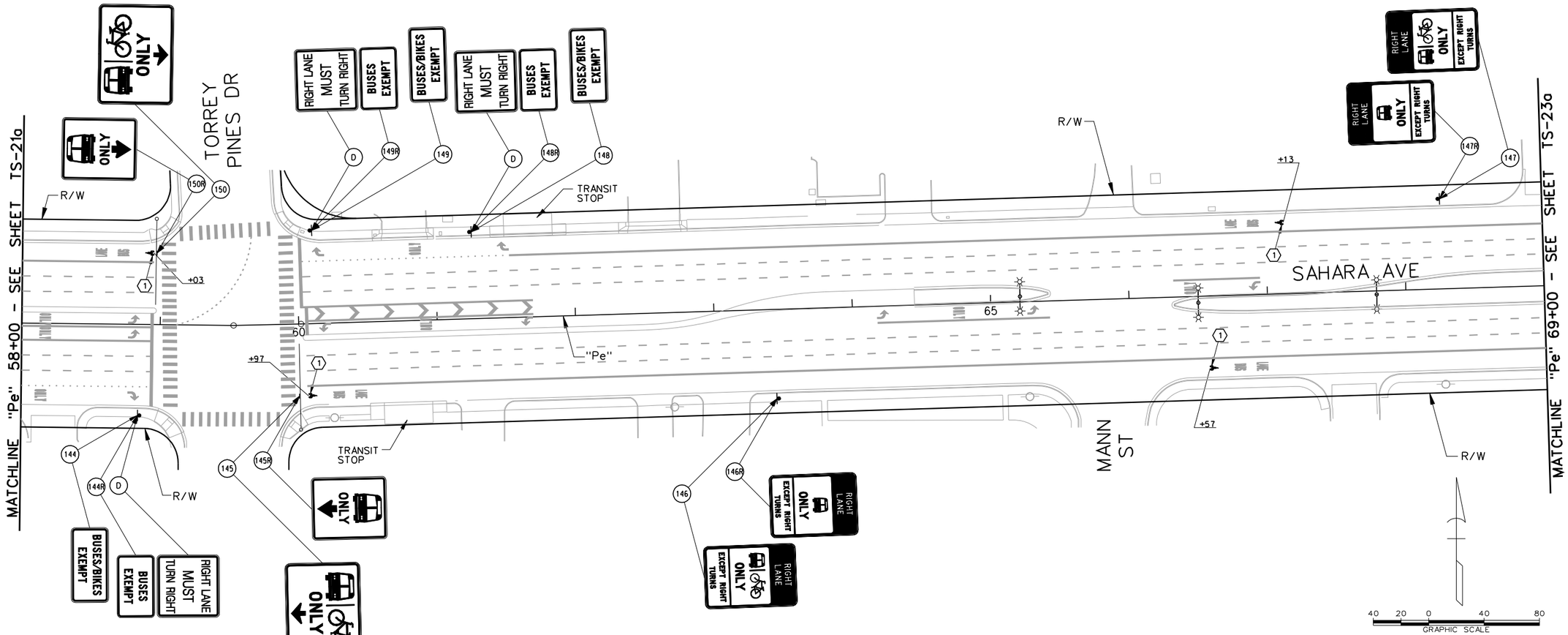
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-22

Sheet 326 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 59+97.00. RT, "Pe" 66+57.00. RT, "Pe" 67+13.00. LT, "Pe" 59+03.00. LT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 OR 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 58+00 to "Pe" 69+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

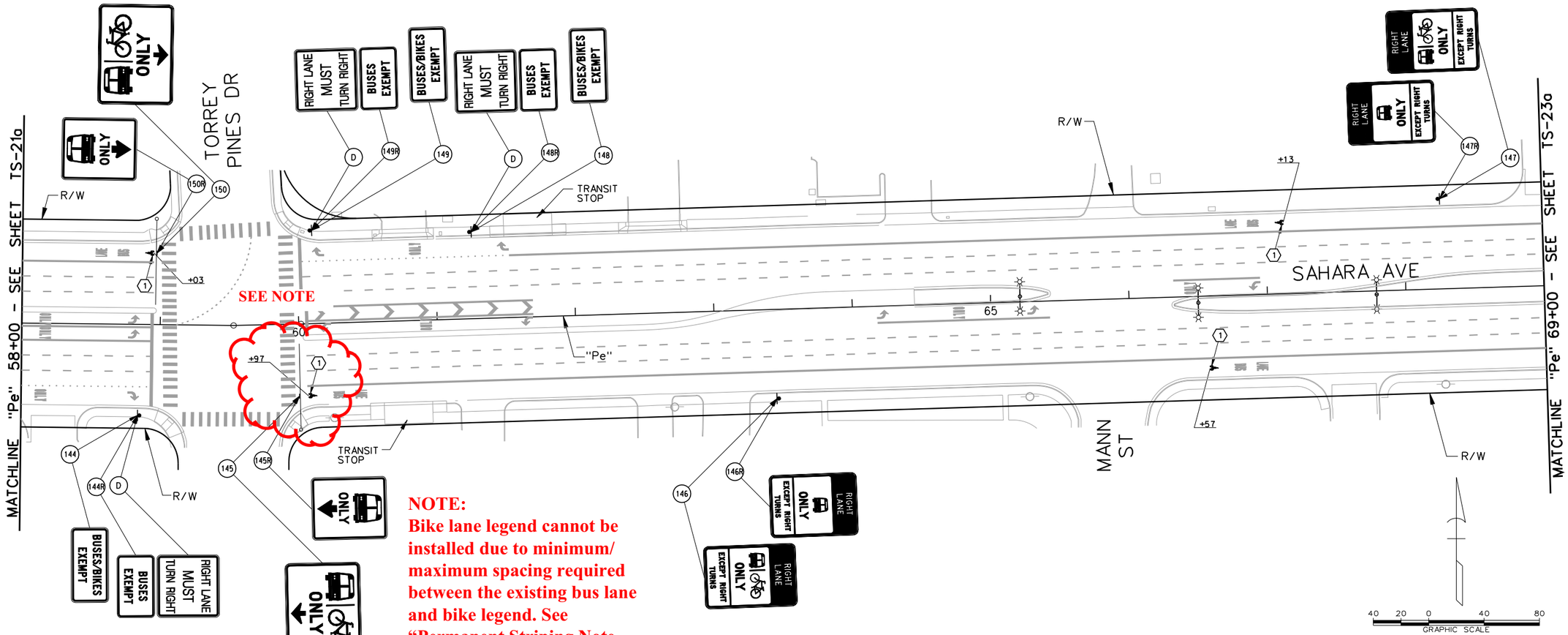
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FIELD BOOK: NONE

SHEET No. TS-22a

Sheet 326a of 592

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"Pe" 59+97.00. RT "Pe" 66+57.00. RT "Pe" 67+13.00. LT "Pe" 59+03.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 58+00 to "Pe" 69+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

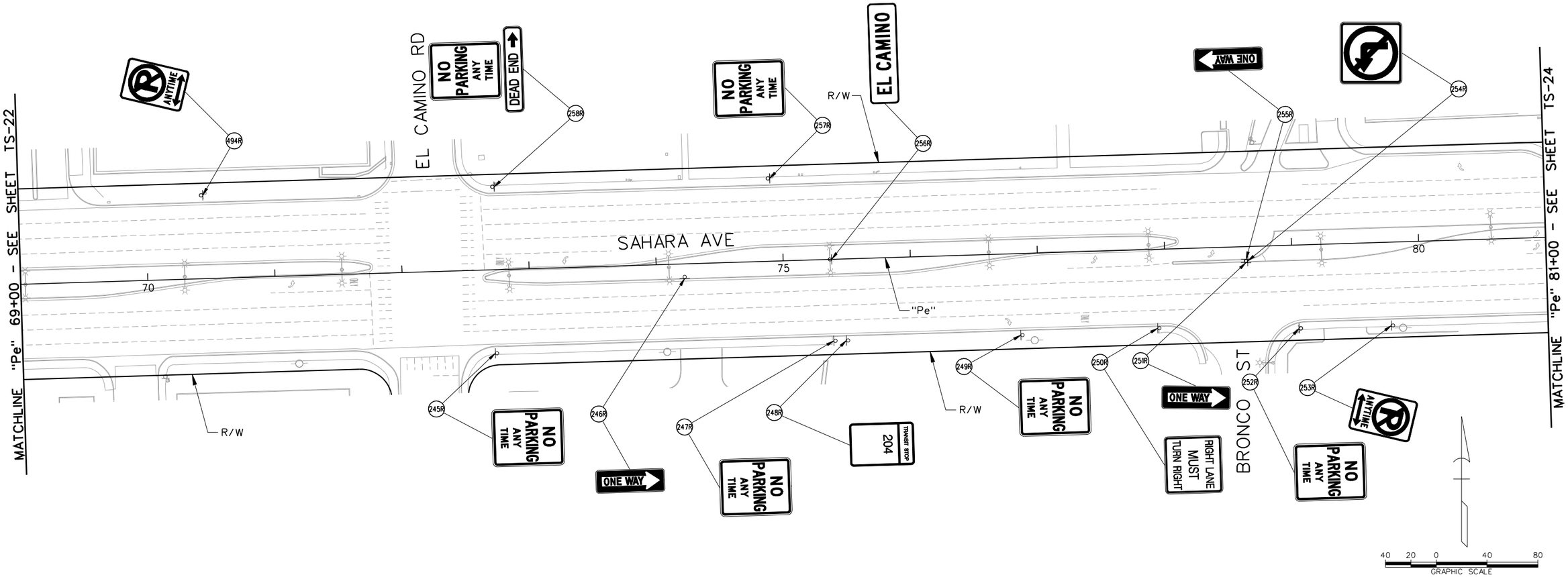
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-22a

Sheet 326a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call Before You Do Overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 69+00 to "Pe" 81+00

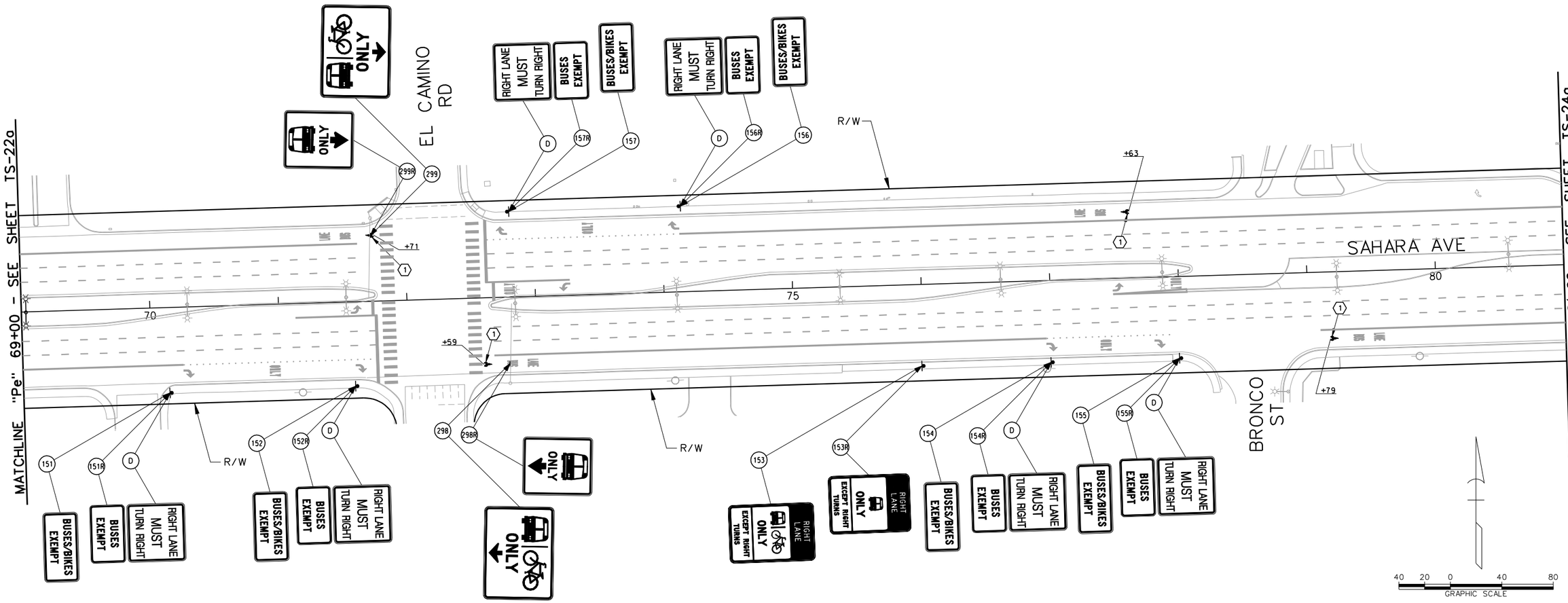
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-23



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 72+59.00. RT
"Pe" 79+19.00. RT
"Pe" 77+63.00. LT
"Pe" 71+71.00. LT

INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 69+00 to "Pe" 81+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

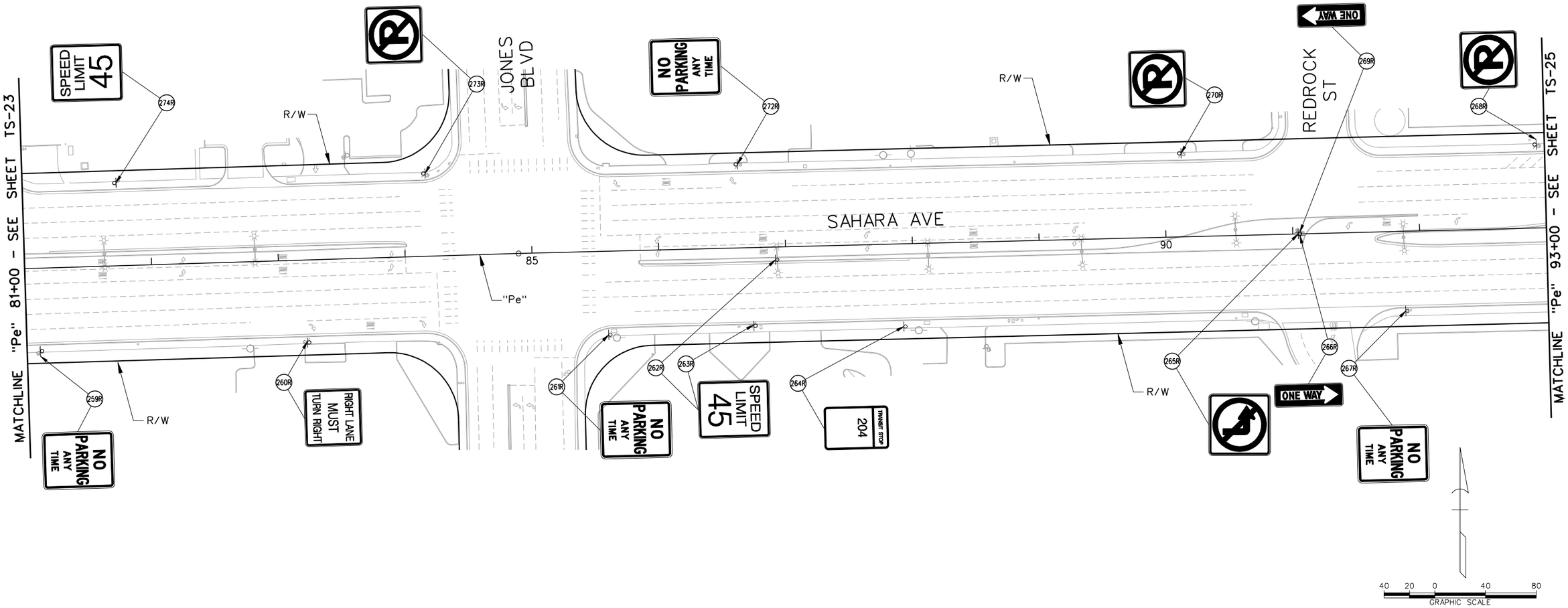
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-23a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
▶	⊦	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 81+00 to "Pe" 93+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

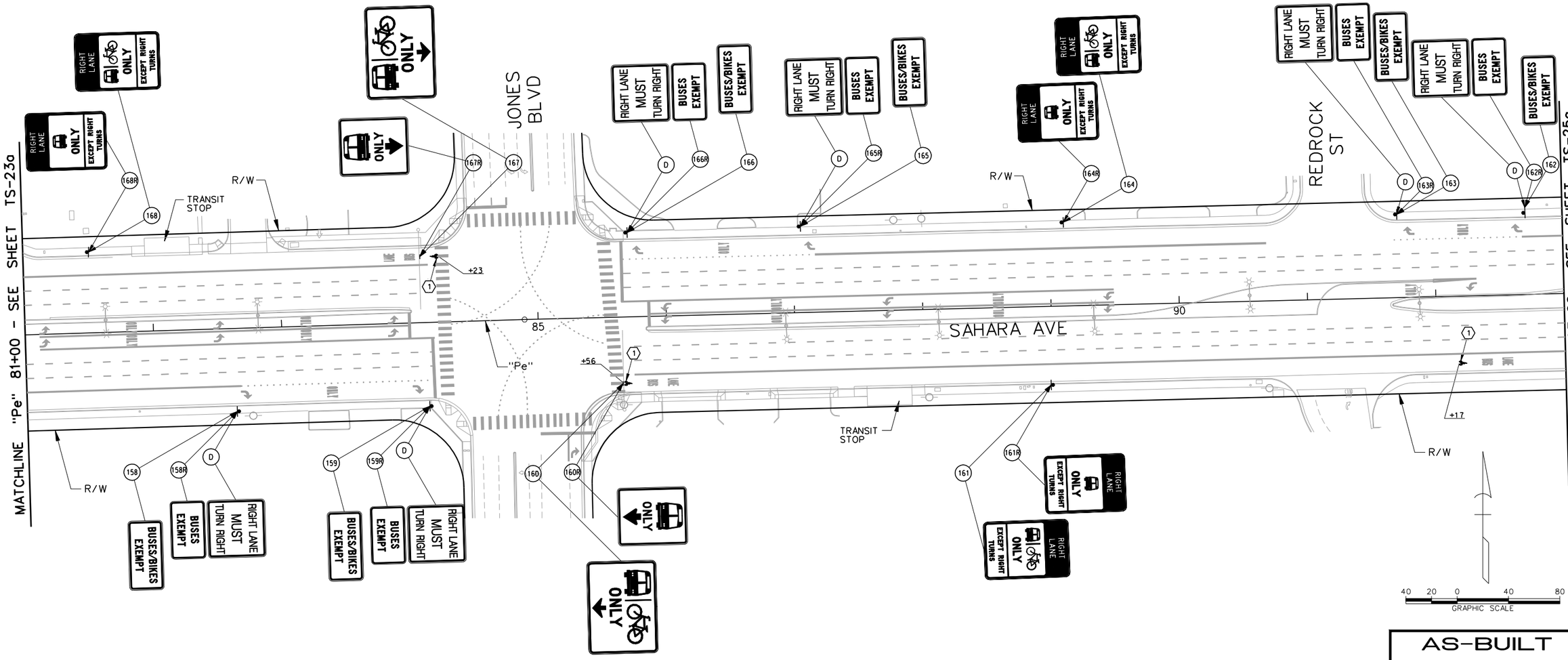
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-24

Sheet 328 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 85+56.00. RT — INSTALL BIKE LEGENDS AS SHOWN
"Pe" 92+17.00. RT — USING TYPE 2 PAVEMENT MARKINGS.
"Pe" 84+23.00. LT — SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"Pe" 81+00 to "Pe" 93+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

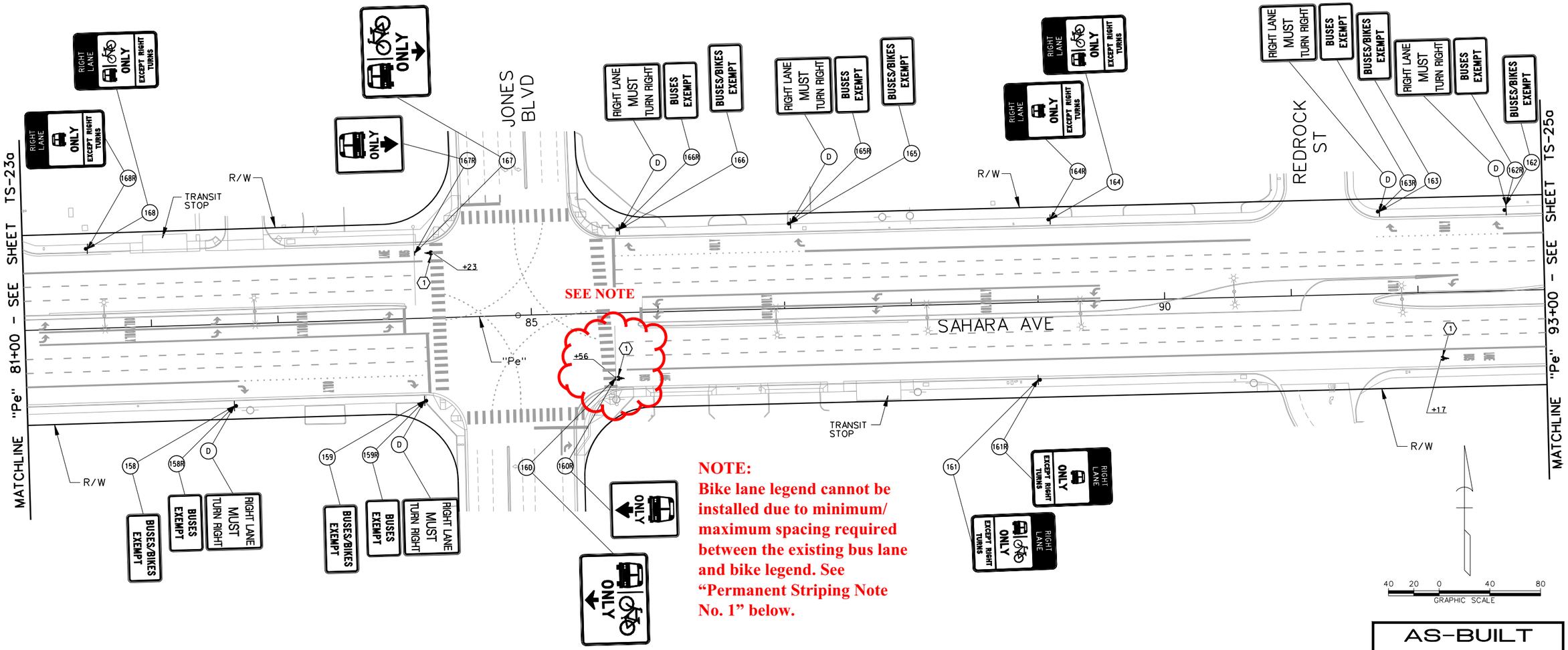
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-24a
Sheet 328a of 592

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



NOTE:
Bike lane legend cannot be installed due to minimum/ maximum spacing required between the existing bus lane and bike legend. See "Permanent Striping Note No. 1" below.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 85+56.00. RT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.
"Pe" 92+17.00. RT
"Pe" 84+23.00. LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
AVOID HITTING OVERHEAD POWER LINES. ITS COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"Pe" 81+00 to "Pe" 93+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

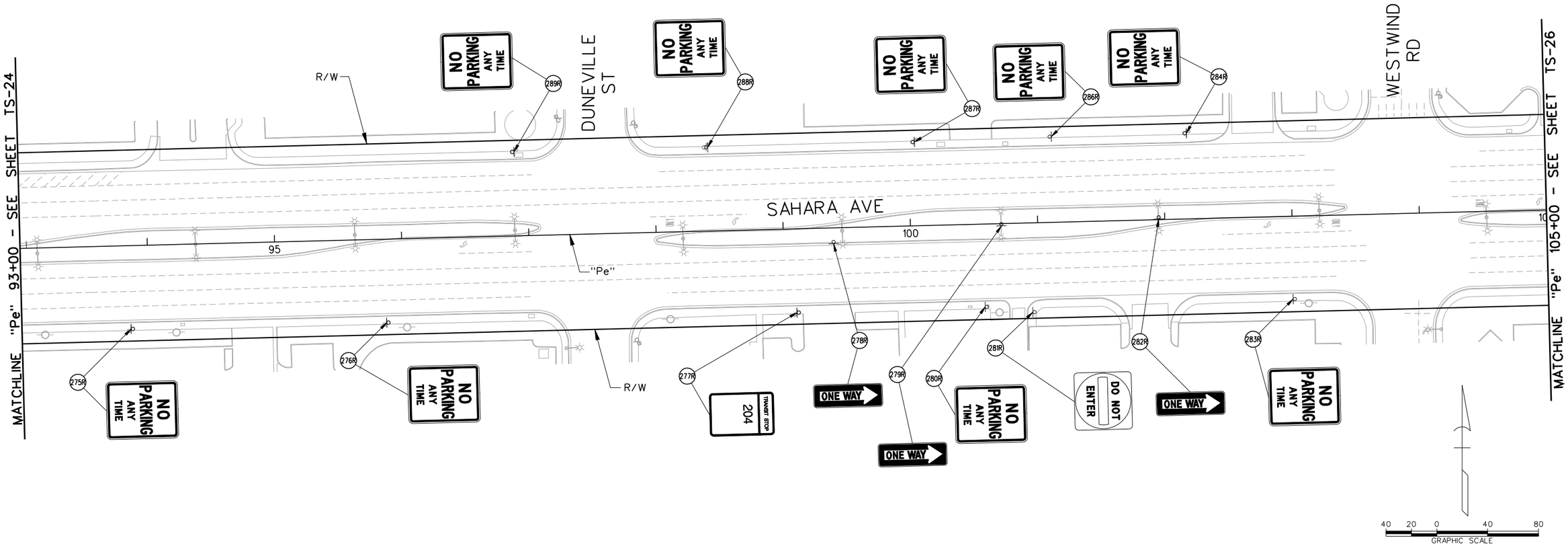
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-24a
Sheet 328a of 592

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 OR 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 93+00 to "Pe" 105+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

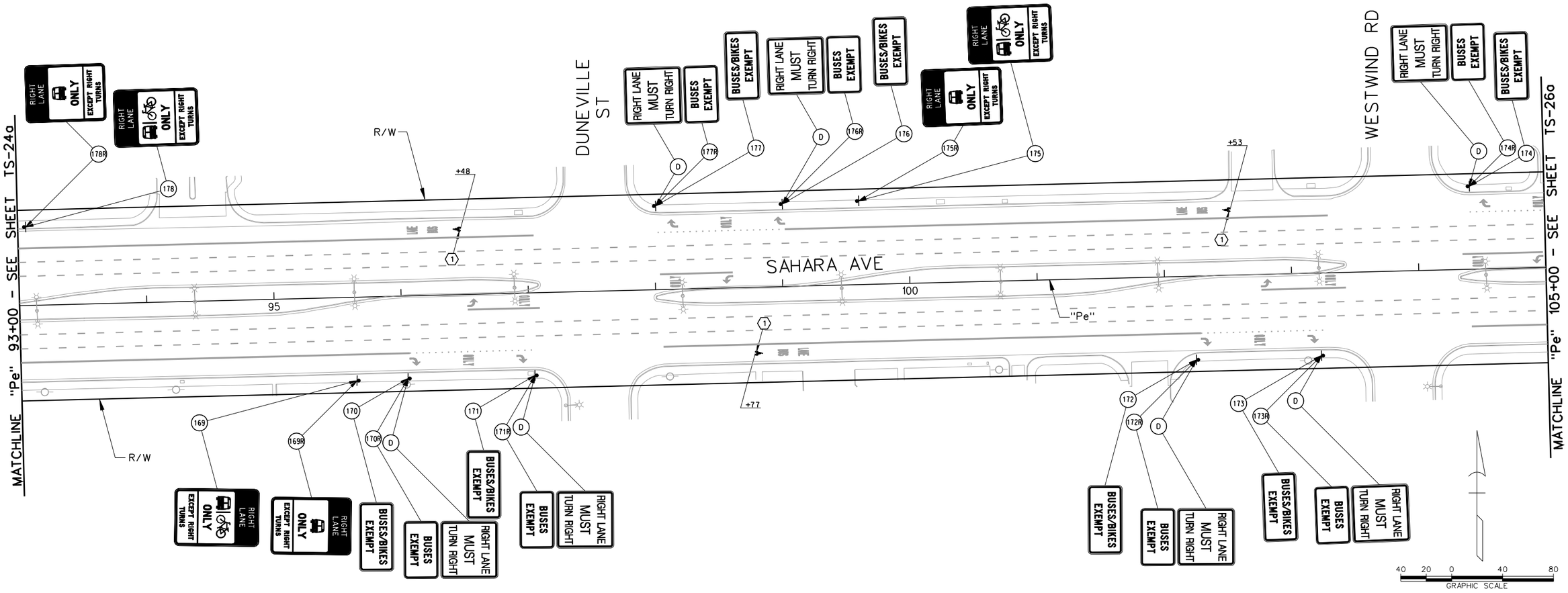
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-25

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 98+77.00, RT
"Pe" 102+55.00, LT
"Pe" 96+48.00, LT
INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"Pe" 93+00 to "Pe" 105+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

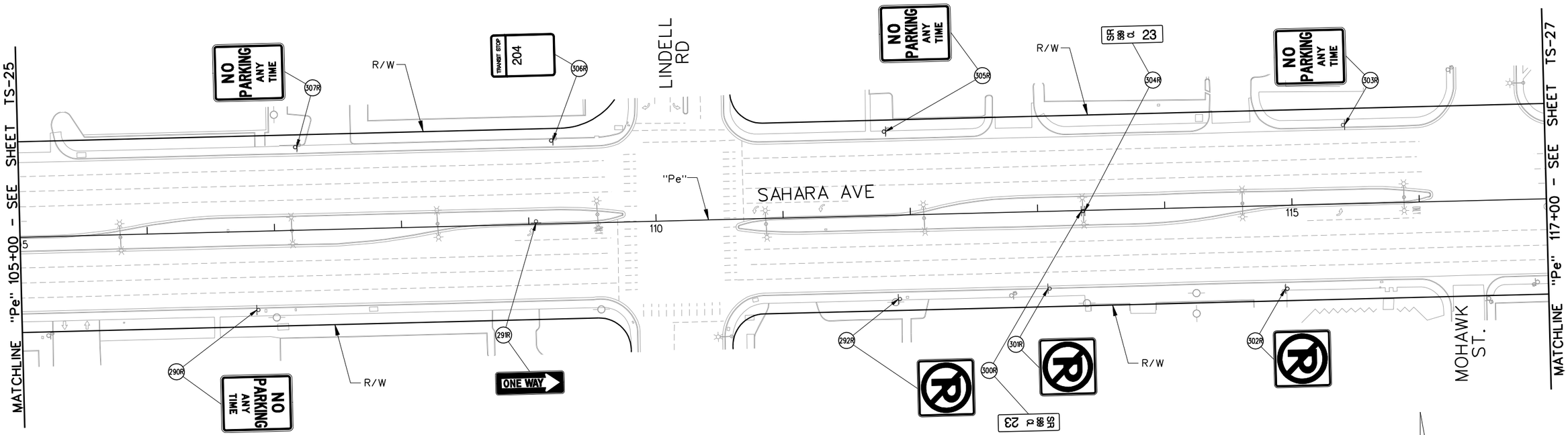
THE Louis Berger Group, INC.
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SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-25a
Sheet 329a of 592

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
(XR)		- EXISTING SIGN TO BE REMOVED AND SALVAGED
(D)		- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Avoid cutting underground utility lines. It's costly. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 Freeway and Arterial System of Transportation
Avoid hitting overhead power lines. It's costly. Call before you do overhead. 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 105+00 to "Pe" 117+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

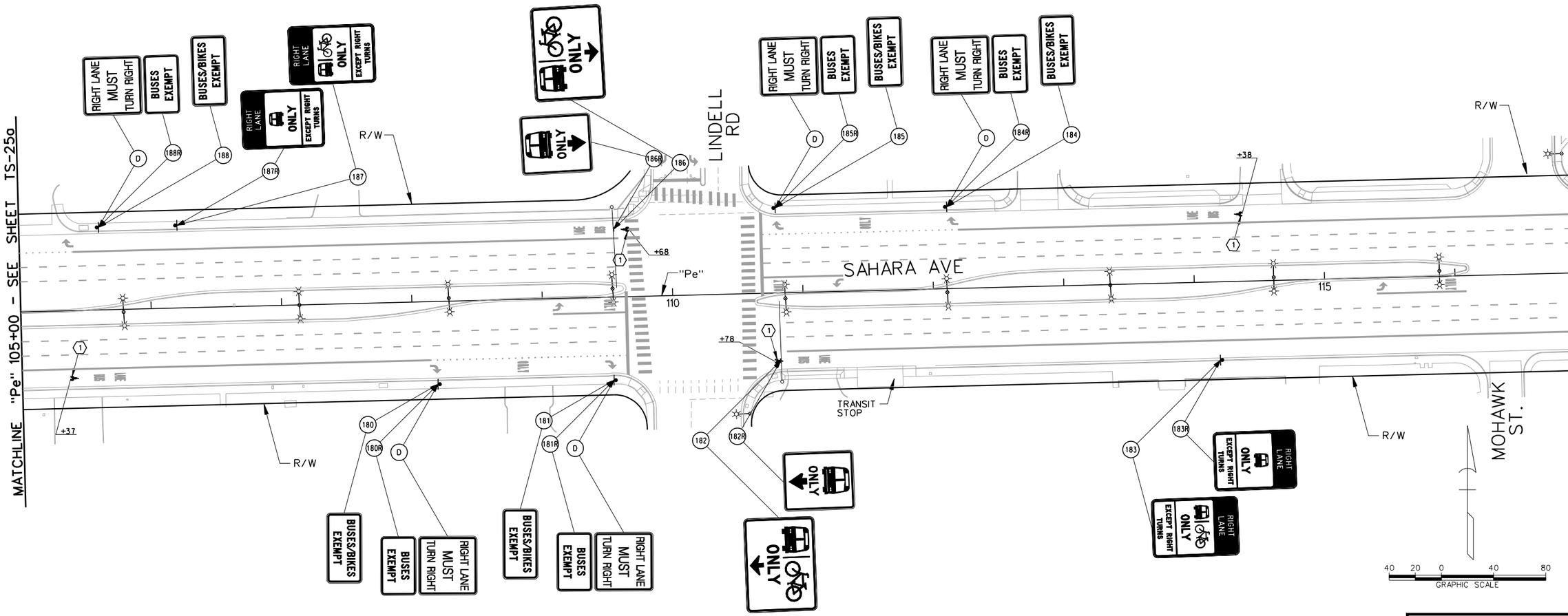
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PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-26

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 105+37.00. RT — INSTALL BIKE LEGENDS AS SHOWN
"Pe" 110+78.00. RT — USING TYPE 2 PAVEMENT MARKINGS.
"Pe" 114+38.00. LT — SEE DETAIL ON SHEET TS-52.
"Pe" 109+68.00. LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 105+00 to "Pe" 117+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

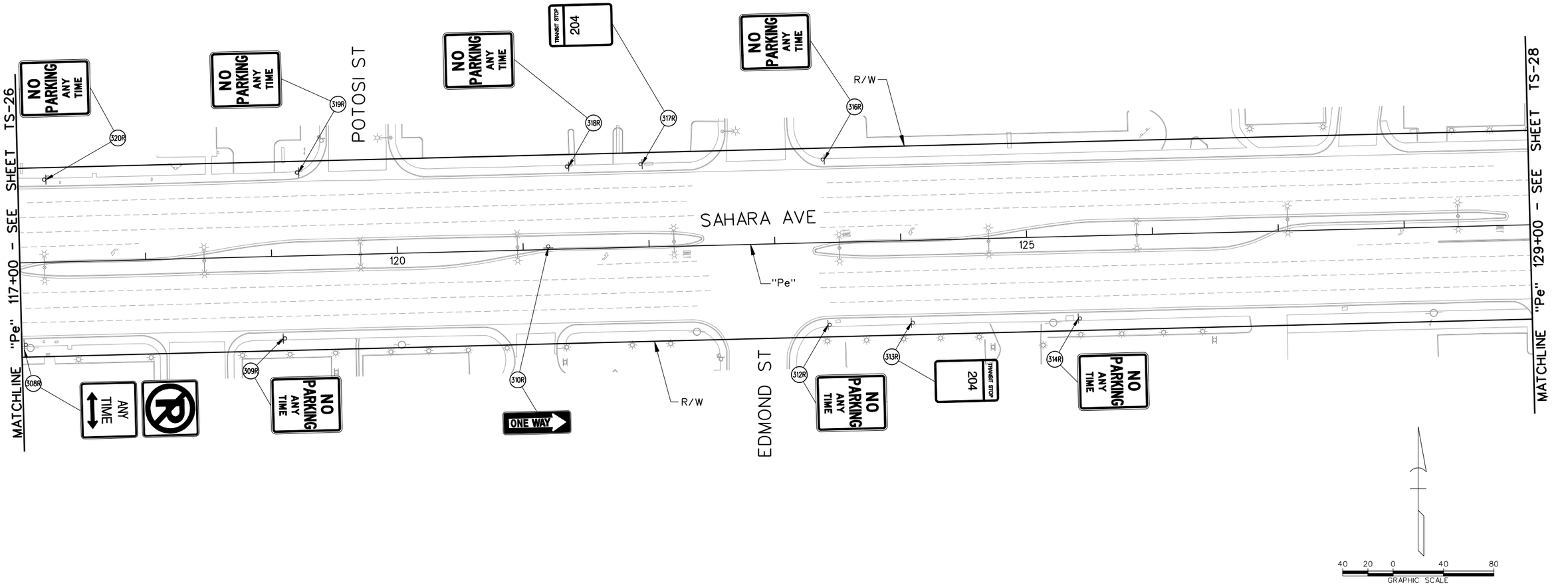
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-26a
Sheet 330a of 592

AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR ✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 117+00 to "Pe" 129+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

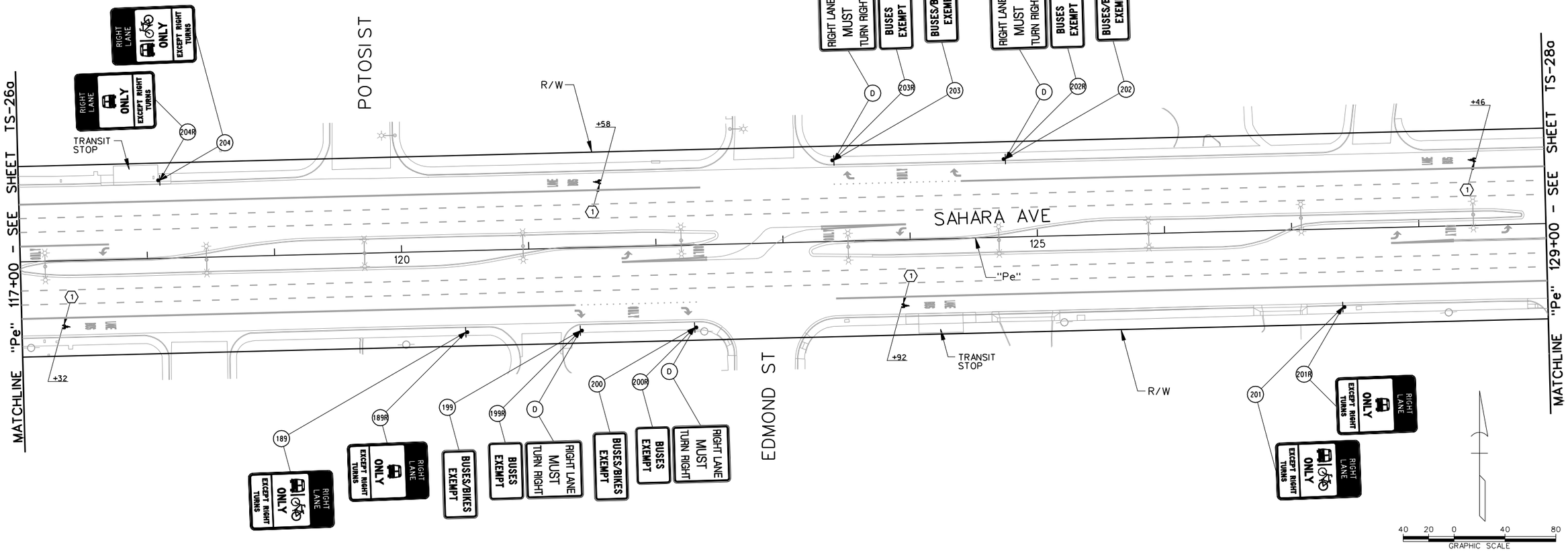
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-27

Sheet 331 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 117+32.00. RT
"Pe" 123+92.00. RT
"Pe" 128+46.00. LT
"Pe" 121+58.00. LT

INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD — 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 117+00 to "Pe" 129+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

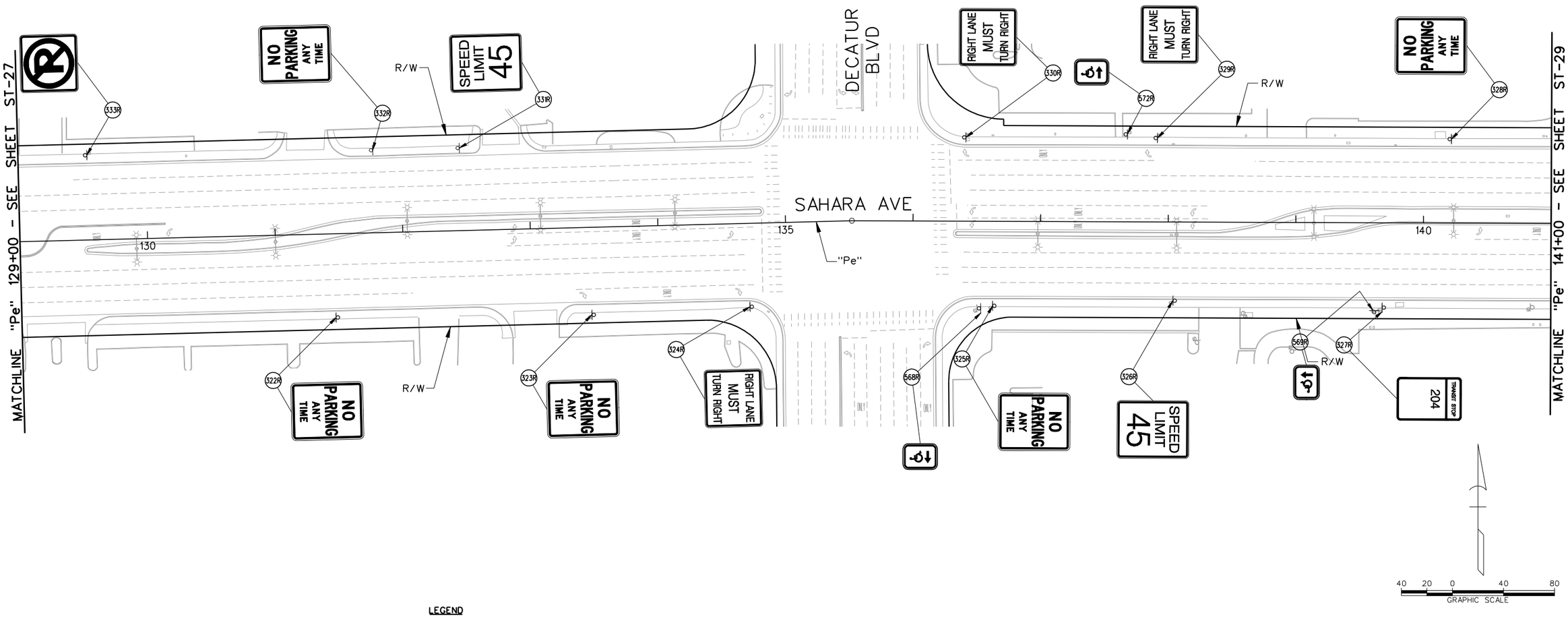
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-27a

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 117+00 to "Pe" 141+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

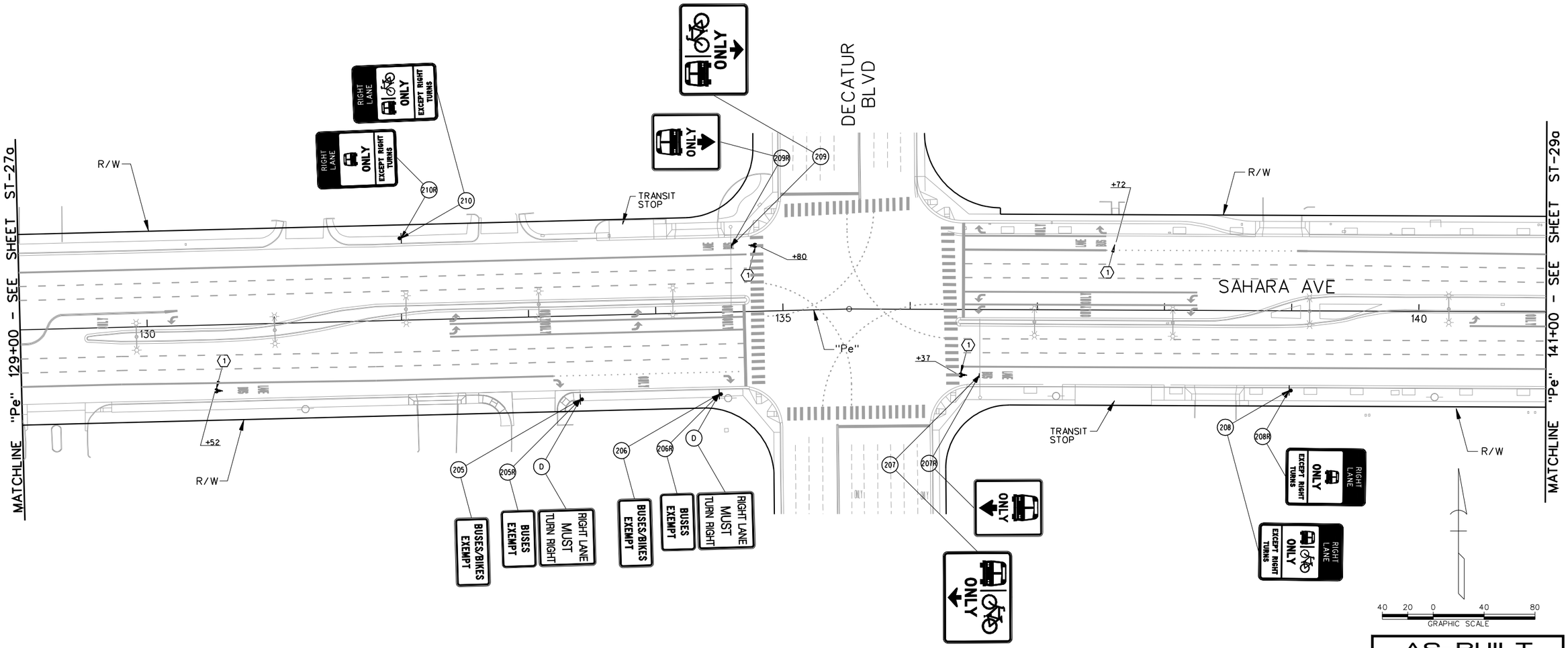
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-28

Sheet 332 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 130+52.00, RT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.
"Pe" 136+37.00, RT
"Pe" 137+72.00, LT
"Pe" 134+80.00, LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

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2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
HIGHWAY AND NATIONAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 117+00 to "Pe" 141+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

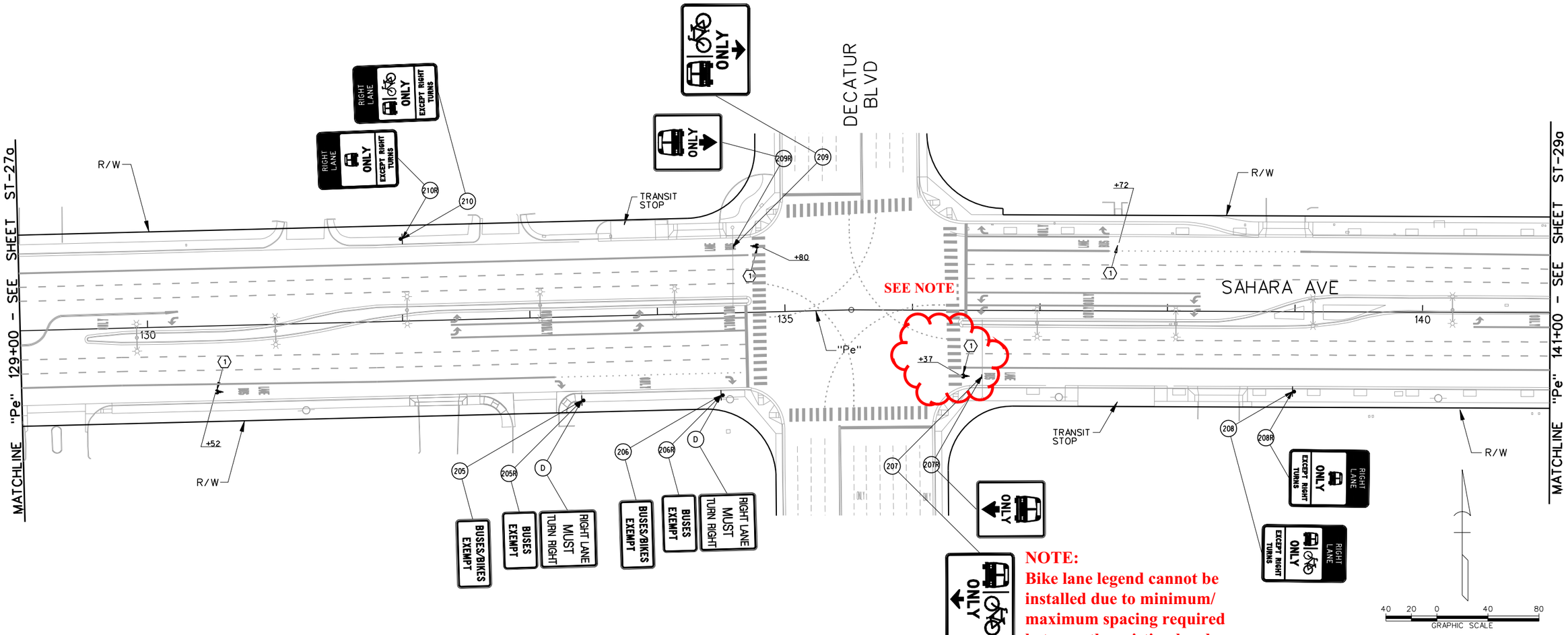
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-28a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



STRIPING CONSTRUCTION ITEMS:

(1)	"Pe" 130+52.00. RT "Pe" 136+37.00. RT "Pe" 137+72.00. LT "Pe" 134+80.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
Call before you DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"Pe" 117+00 to "Pe" 141+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

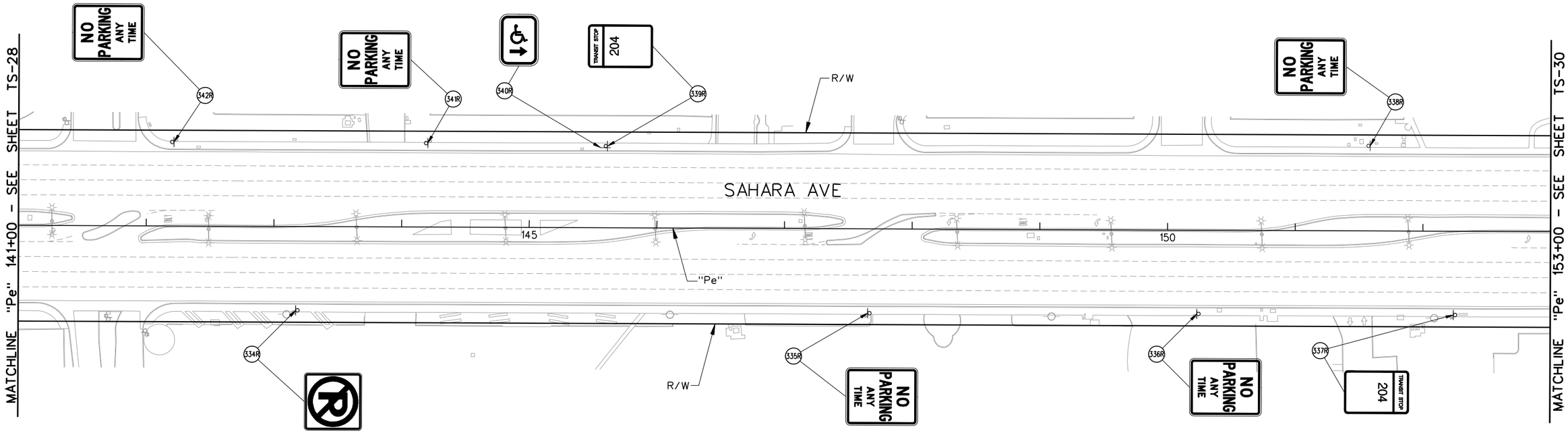
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

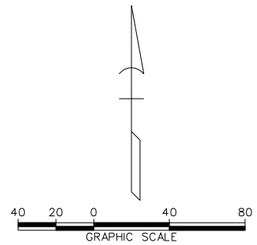
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-28a
Sheet 332a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013





LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION — AVOID MEETING OVERHEAD POWER LINES. IT'S CURTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 141+00 to "Pe" 153+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

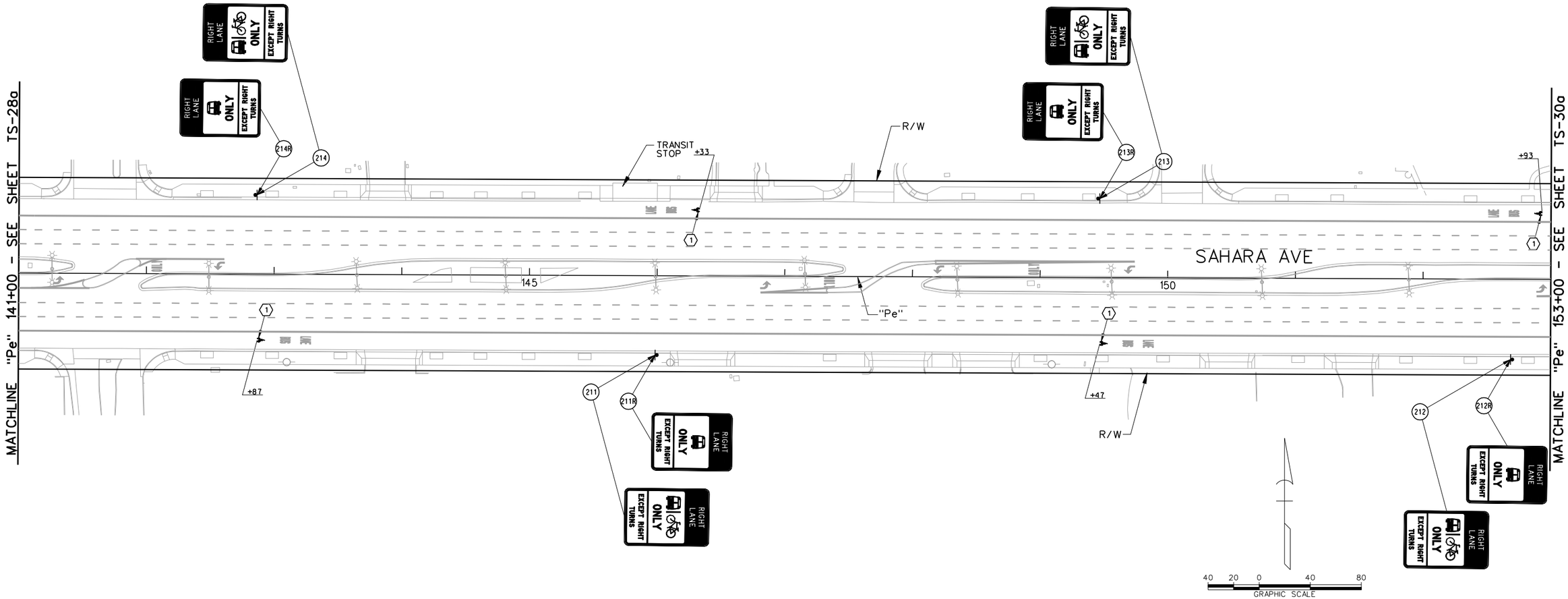
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-29

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"Pe" 142+87.00. RT "Pe" 149+47.00. RT "Pe" 152+93.00. LT "Pe" 146+33.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call before you do overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 141+00 to "Pe" 153+00

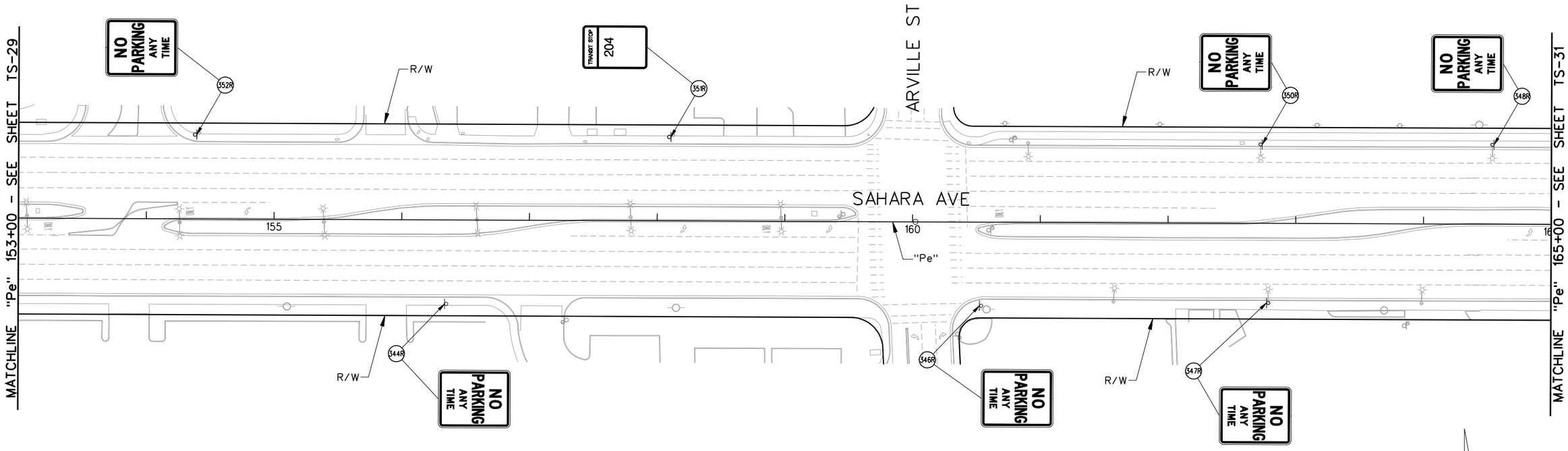
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

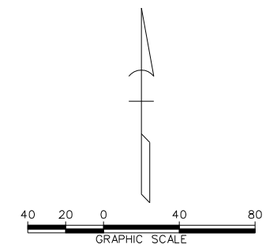
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-29a





AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 153+00 to "Pe" 165+00

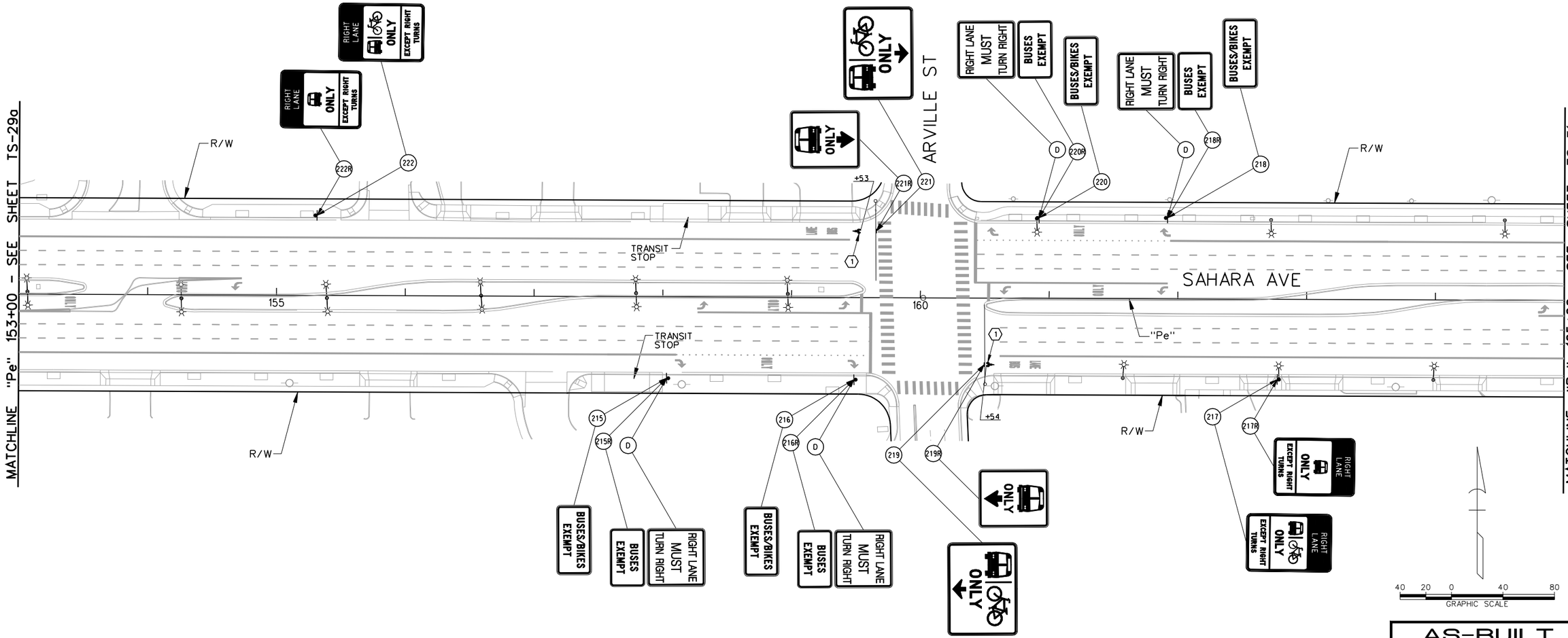
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-30



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 161+54.00. RT, "Pe" 159+53.00. LT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 153+00 to "Pe" 165+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

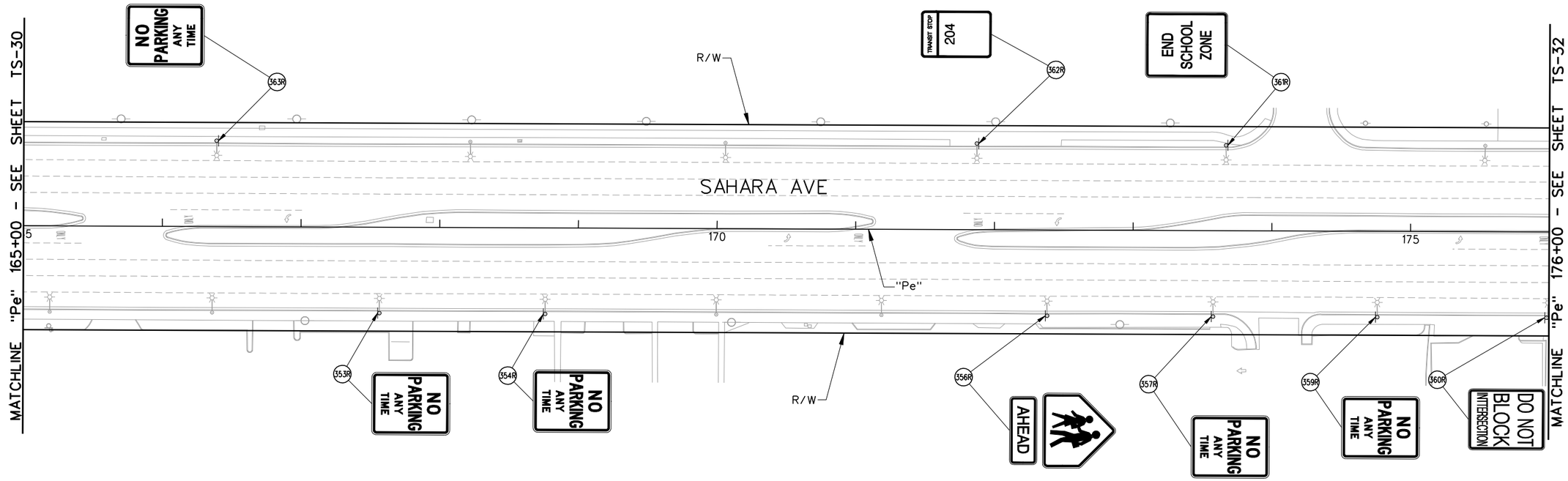
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VERT: NONE
FIELD BOOK: NONE

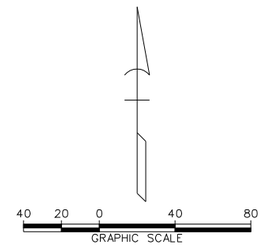
SHEET No. TS-30a

Sheet 334a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013





LEGEND

PROPOSED	EXISTING	
▶	⊦	- GROUND MOUNTED SIGN
☼—● OR ✶—●	☼—●	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 165+00 to "Pe" 176+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

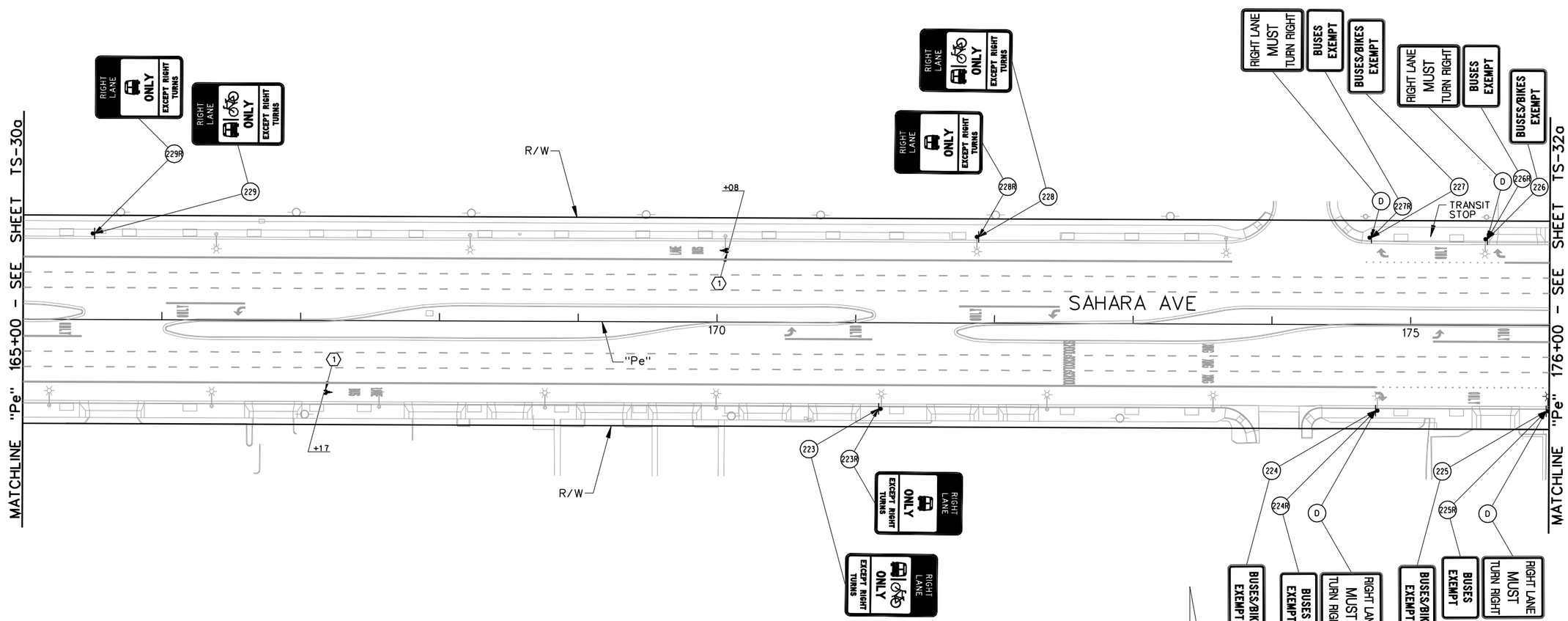
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

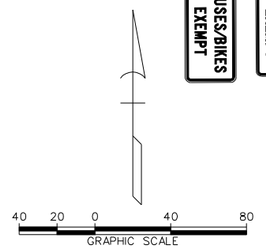
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-31

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 167+17.00, RT
"Pe" 170+08.00, LT

INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD — 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"Pe" 165+00 to "Pe" 176+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

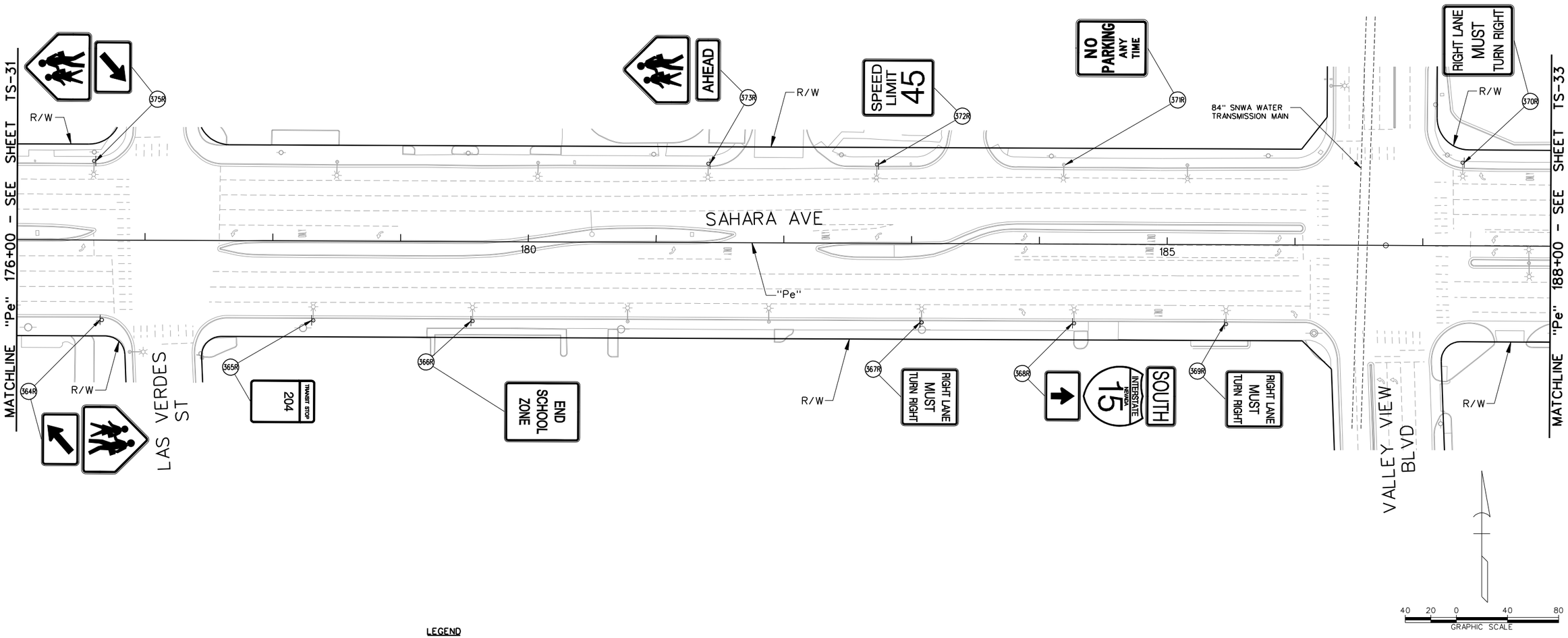
SHEET No. TS-31a

Sheet 335a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

09.30.2013

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

SNWA CONSTRUCTION NOTES:

CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AVAR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AVAR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702) 862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

THIS DATA MAY BE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE THAT THIS DATA IS CONVERTED TO THE APPROPRIATE DATUM BEFORE USING SAID DATA.

APPROVED BY:

Signature On File — 3/3/2011
SOUTHERN NEVADA WATER AUTHORITY — DATE

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 176+00 to "Pe" 188+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

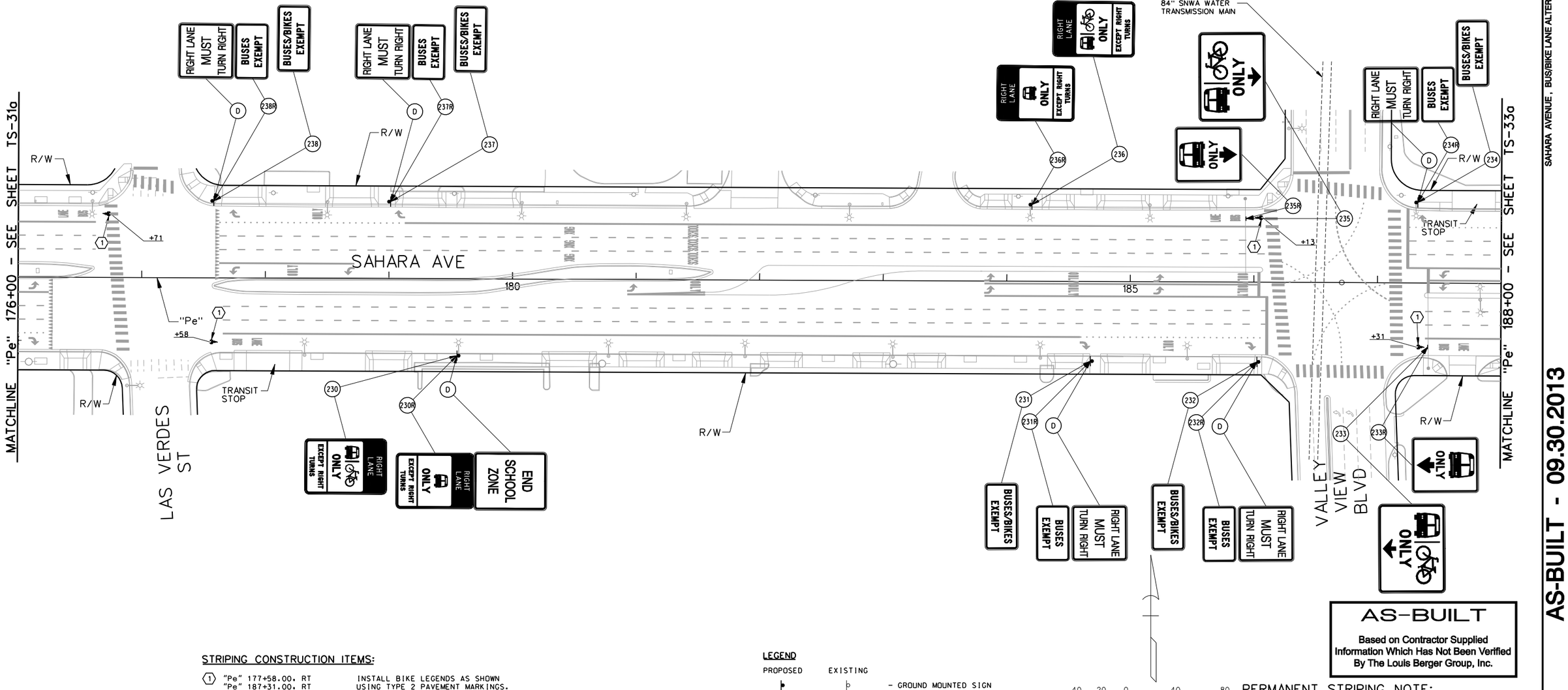
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-32

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 177+58.00. RT — INSTALL BIKE LEGENDS AS SHOWN
"Pe" 187+31.00. RT — USING TYPE 2 PAVEMENT MARKINGS.
"Pe" 186+13.00. LT — SEE DETAIL ON SHEET TS-52.
"Pe" 176+71.00. LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES IT'S CONTROL
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
PRIMARY AND INTERNAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES IT'S CONTROL
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 176+00 to "Pe" 188+00

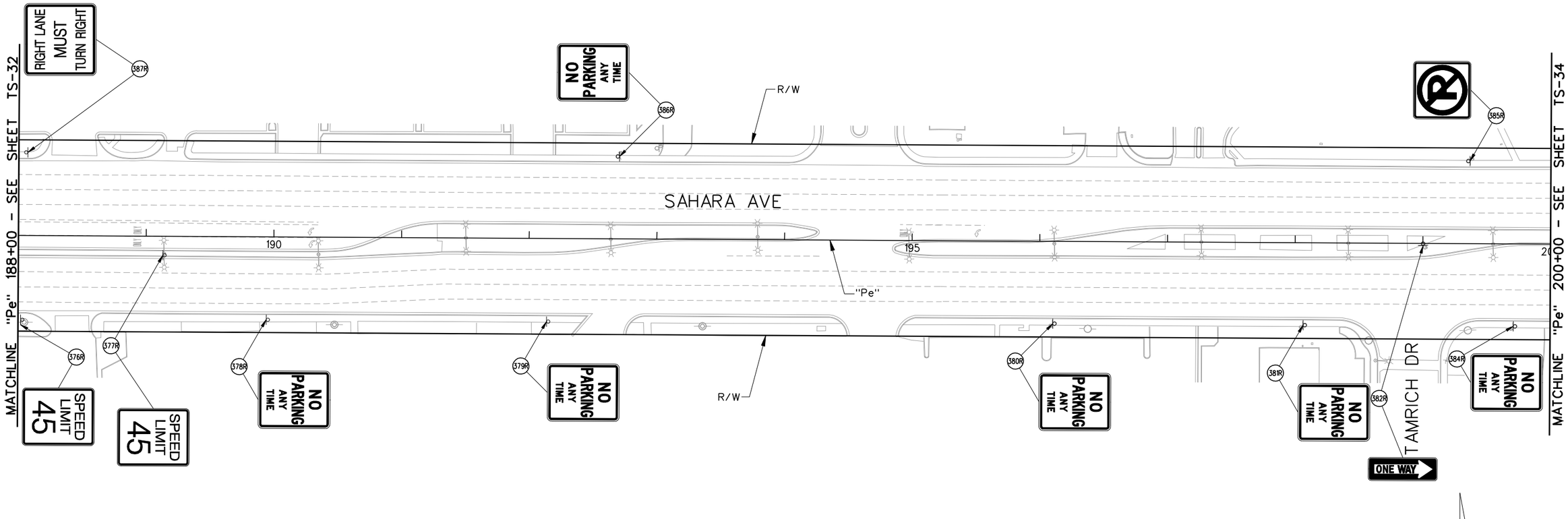
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-32a



LEGEND

PROPOSED	EXISTING	
▶	⊳	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 188+00 to "Pe" 200+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

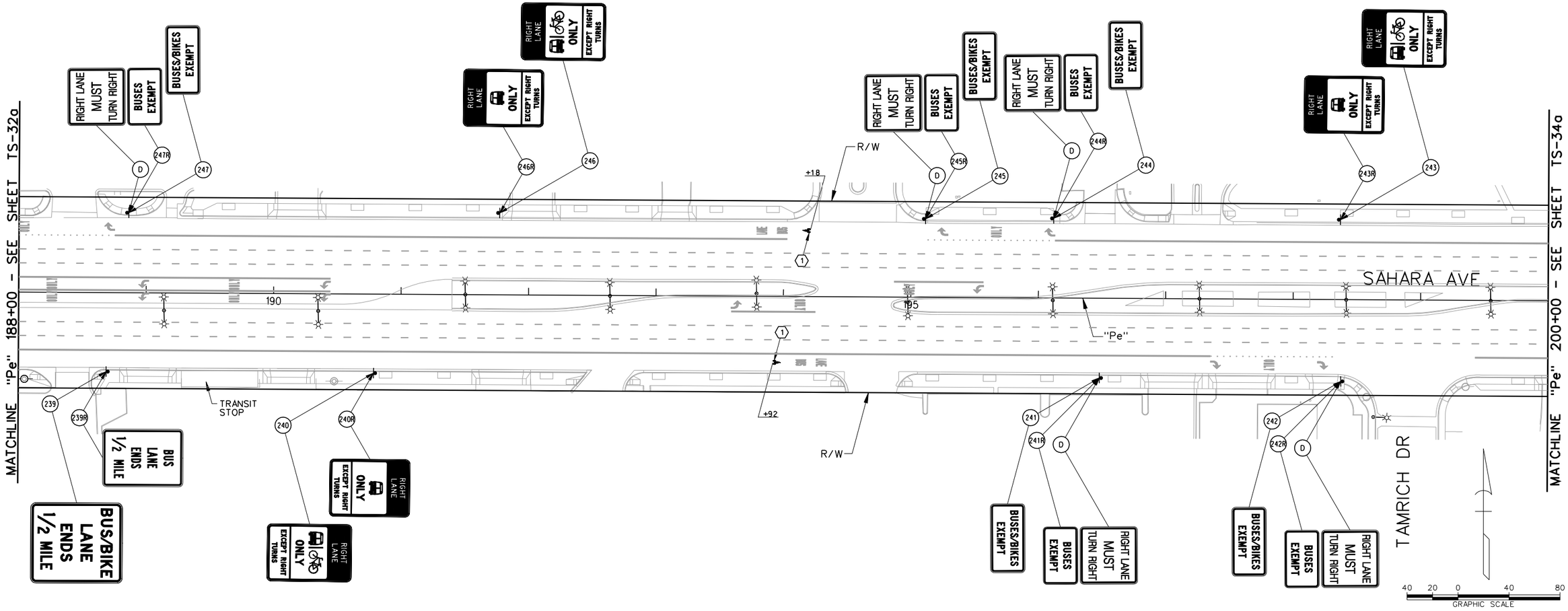
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No.
TS-33

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"Pe" 193+92.00, RT "Pe" 194+18.00, LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 188+00 to "Pe" 200+00

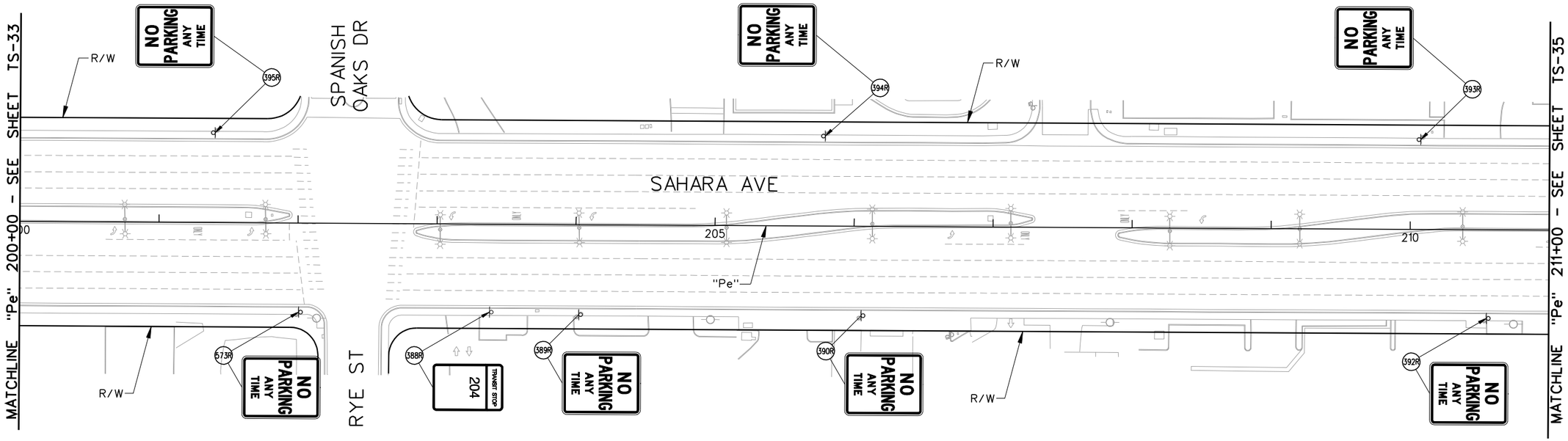
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

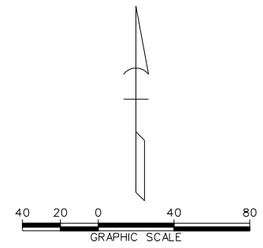
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-33a





LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼—	☼—	- SIGN MOUNTED ON LIGHT POLE
OR		
✶—		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 REGIONAL AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 200+00 to "Pe" 211+00

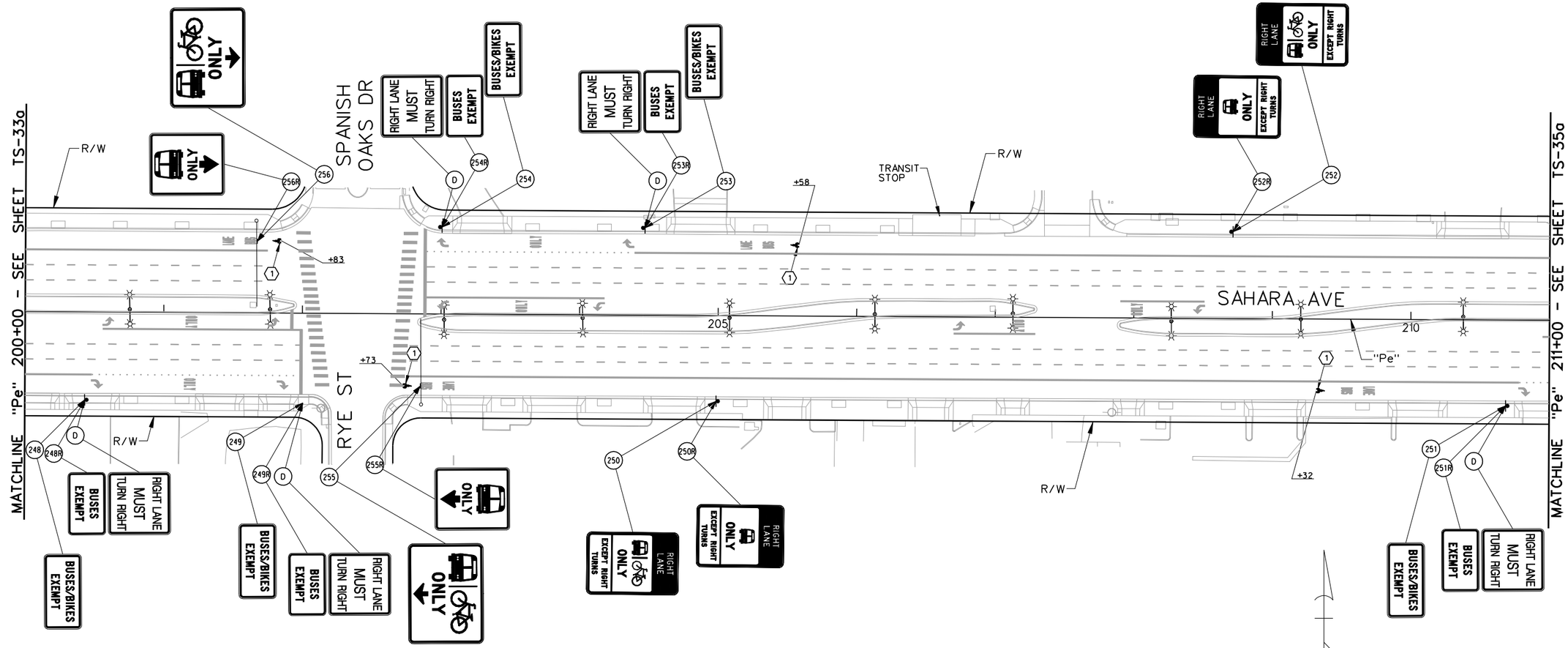
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-34



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 202+73.00, RT — INSTALL BIKE LEGENDS AS SHOWN
"Pe" 202+32.00, RT — USING TYPE 2 PAVEMENT MARKINGS.
"Pe" 205+58.00, LT — SEE DETAIL ON SHEET TS-52.
"Pe" 201+83.00, LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 200+00 to "Pe" 211+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

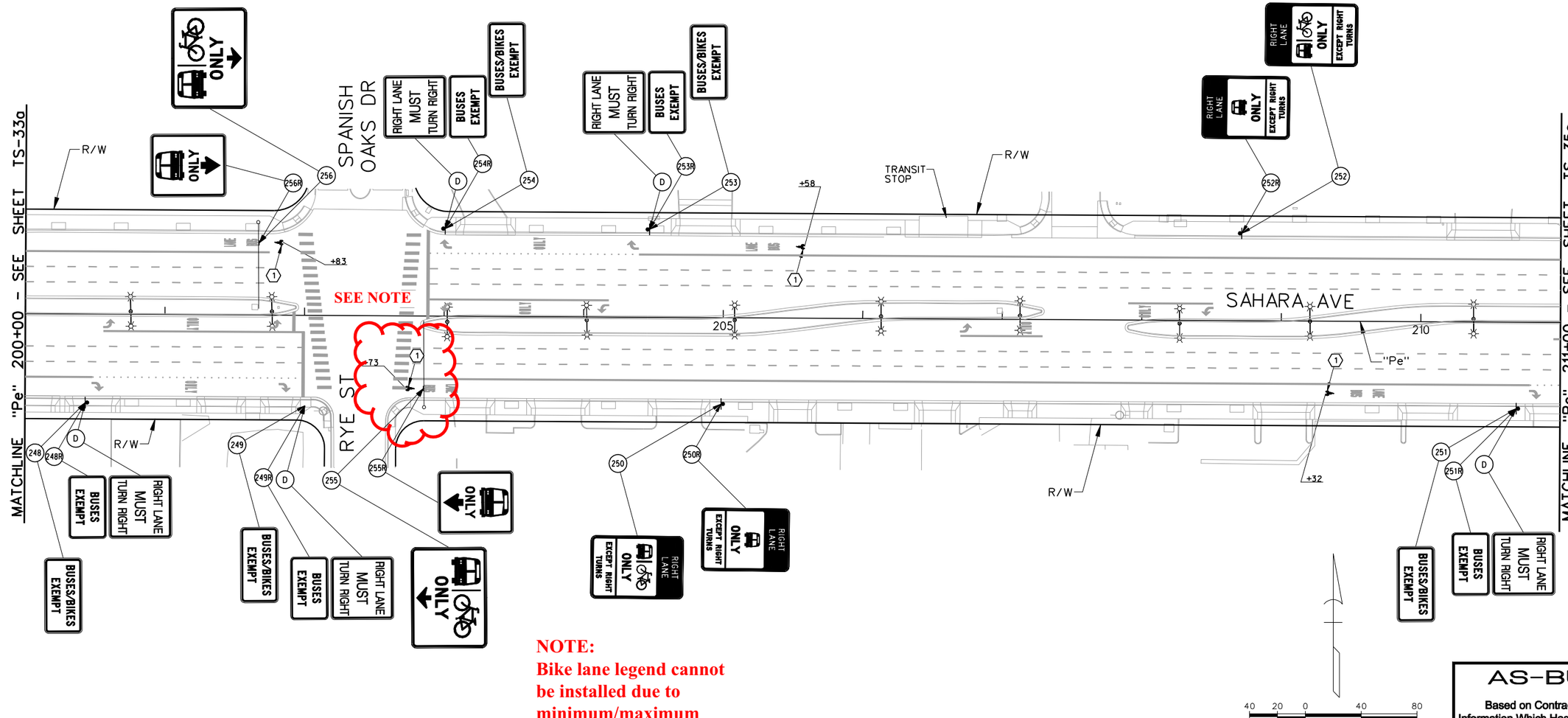
PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-34a

AS-BUILT - 09.30.2013



NOTE:
Bike lane legend cannot be installed due to minimum/maximum spacing required between the existing bus lane and bike legend. See "Permanent Striping Note No. 1" below.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 202+73.00, RT
"Pe" 202+32.00, RT
"Pe" 205+58.00, LT
"Pe" 201+83.00, LT
INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

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3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
Call Before You Do Overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"Pe" 200+00 to "Pe" 211+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

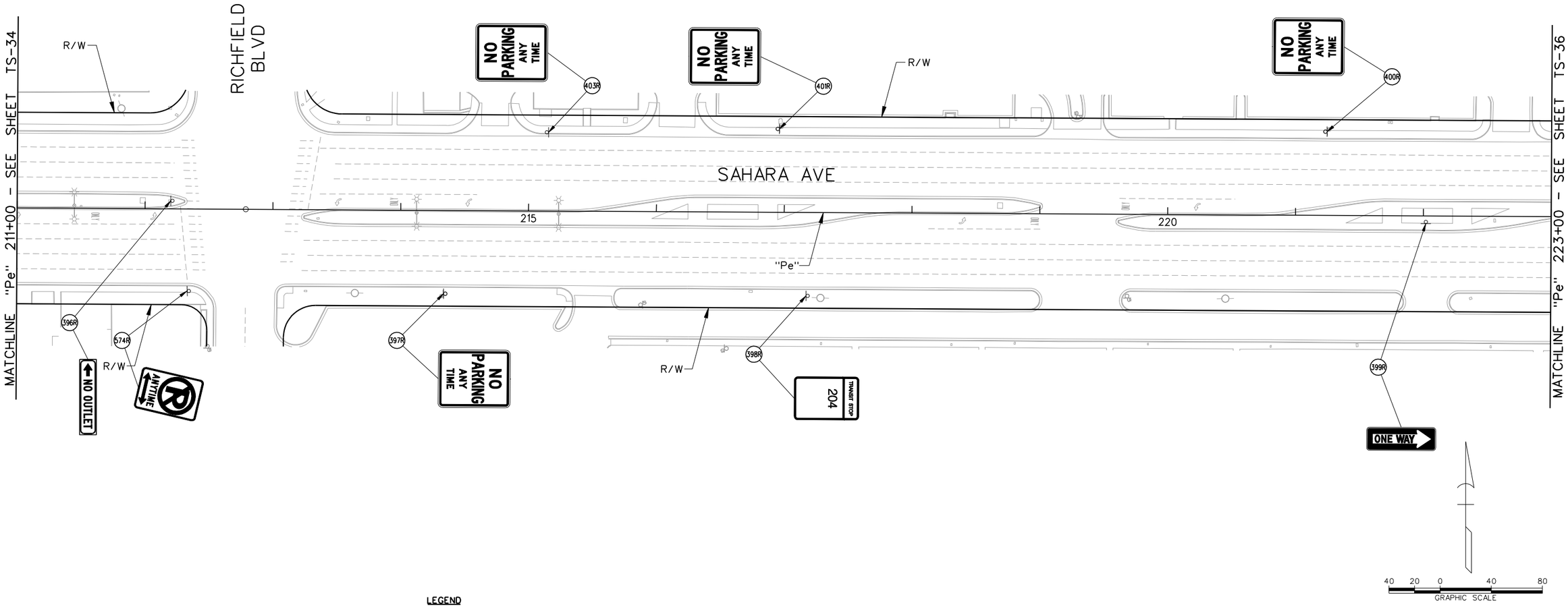
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-34a
Sheet 338a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CLEVER! Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CLEVER! CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 211+00 to "Pe" 223+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

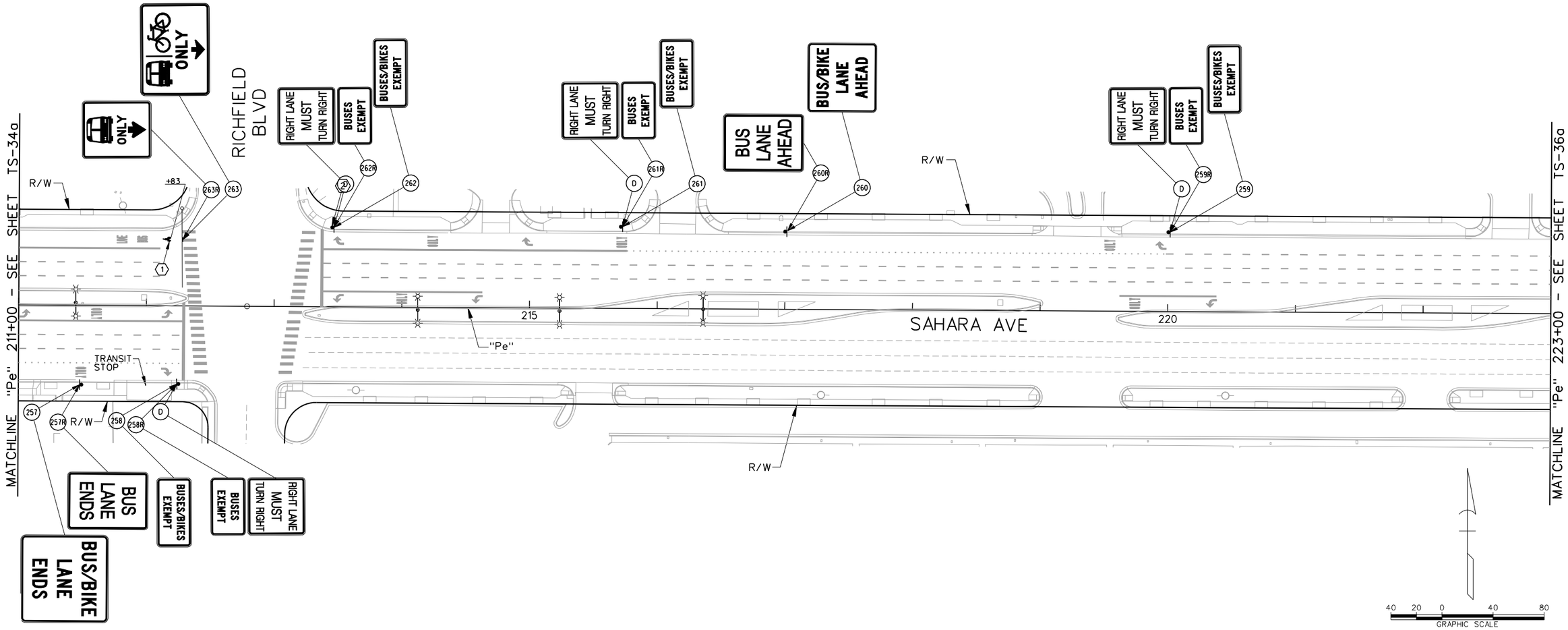
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-35

Sheet 339 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "Pe" 220+83.00, LT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD — 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"Pe" 211+00 to "Pe" 223+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

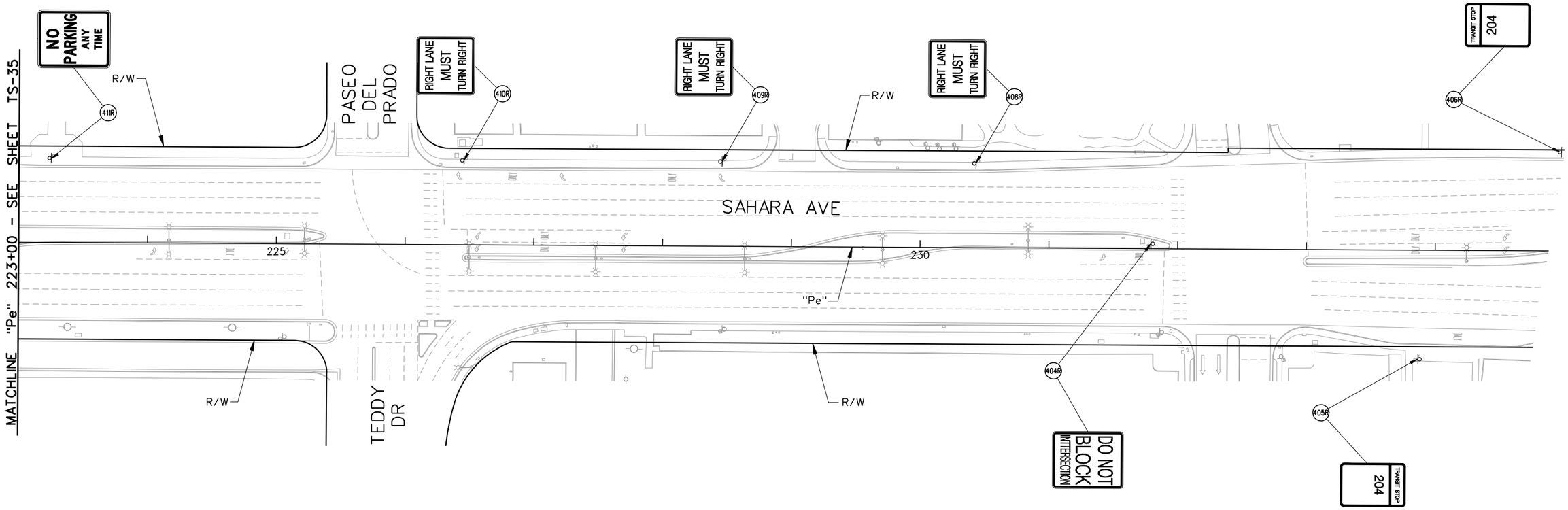
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

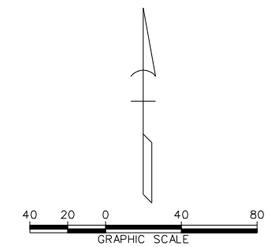
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-35a
Sheet 339a of 592

AS-BUILT - 09.30.2013
SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE





LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"Pe" 223+00 to "Pe" 235+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

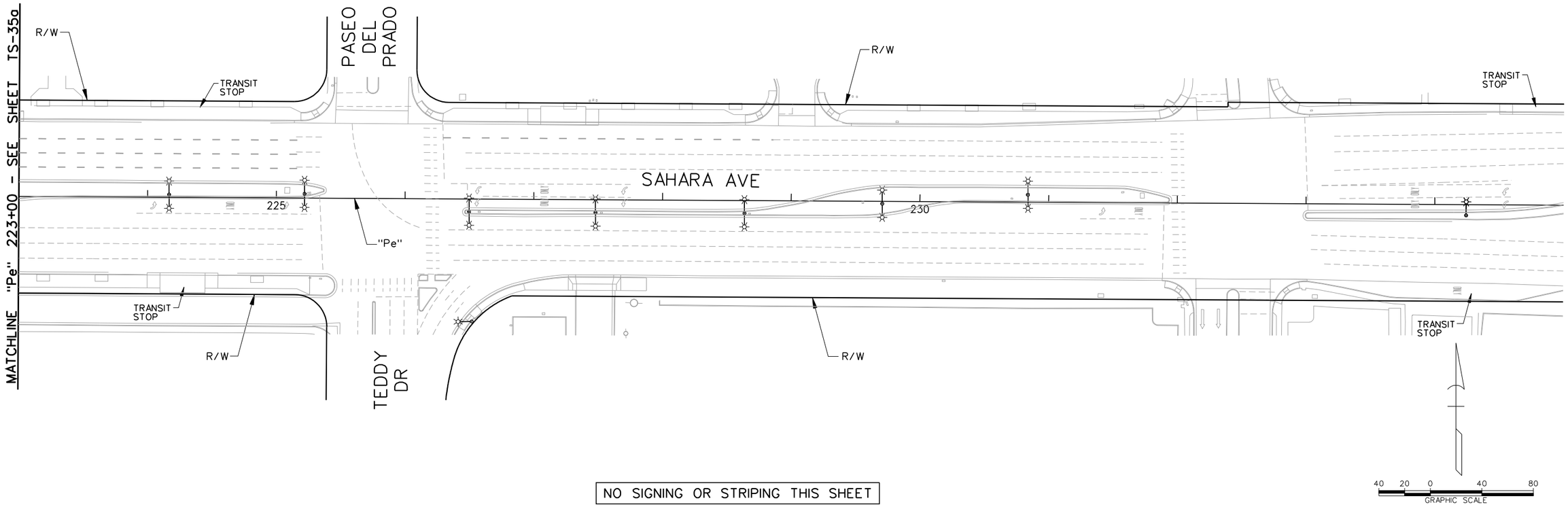
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-36

Sheet 340 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



NO SIGNING OR STRIPING THIS SHEET

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

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PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FEDERAL AID INTERSTATE SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"Pe" 223+00 to "Pe" 235+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

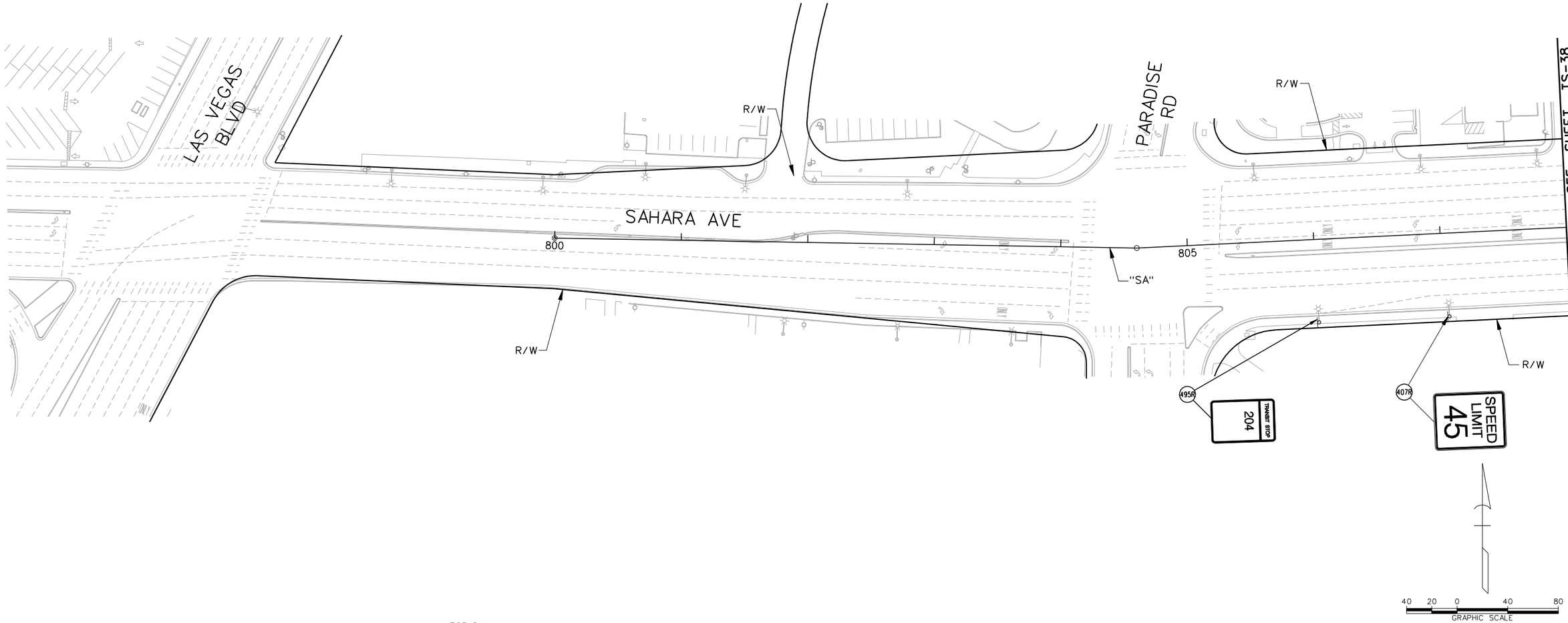
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-36a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR ✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRESERVE AND IMPROVE SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 800+00 to "SA" 820+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

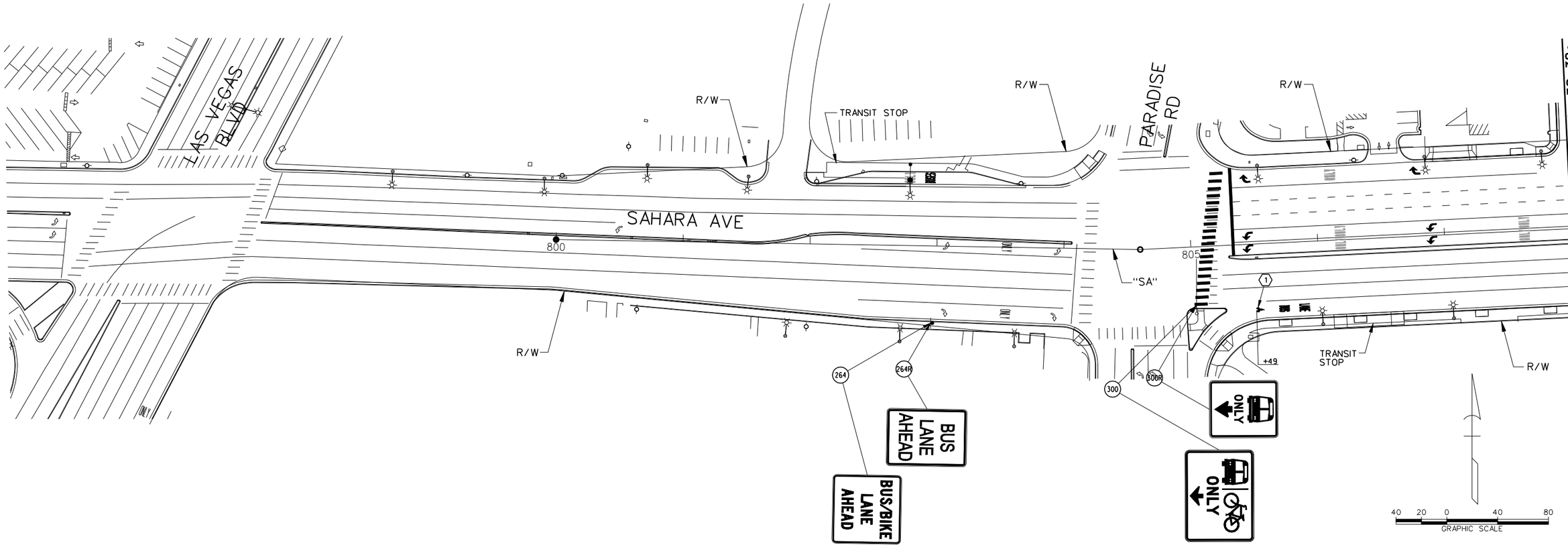
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-37

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 805+49.00, RT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Avoid cutting underground utility lines. It's costly. Call 811 or 1-800-227-2600

FAST — Call before you UnderGround 1-702-432-5300 — Freeway and Arterial System of Transportation

Avoid hitting overhead power lines. It's costly. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 800+00 to "SA" 820+00

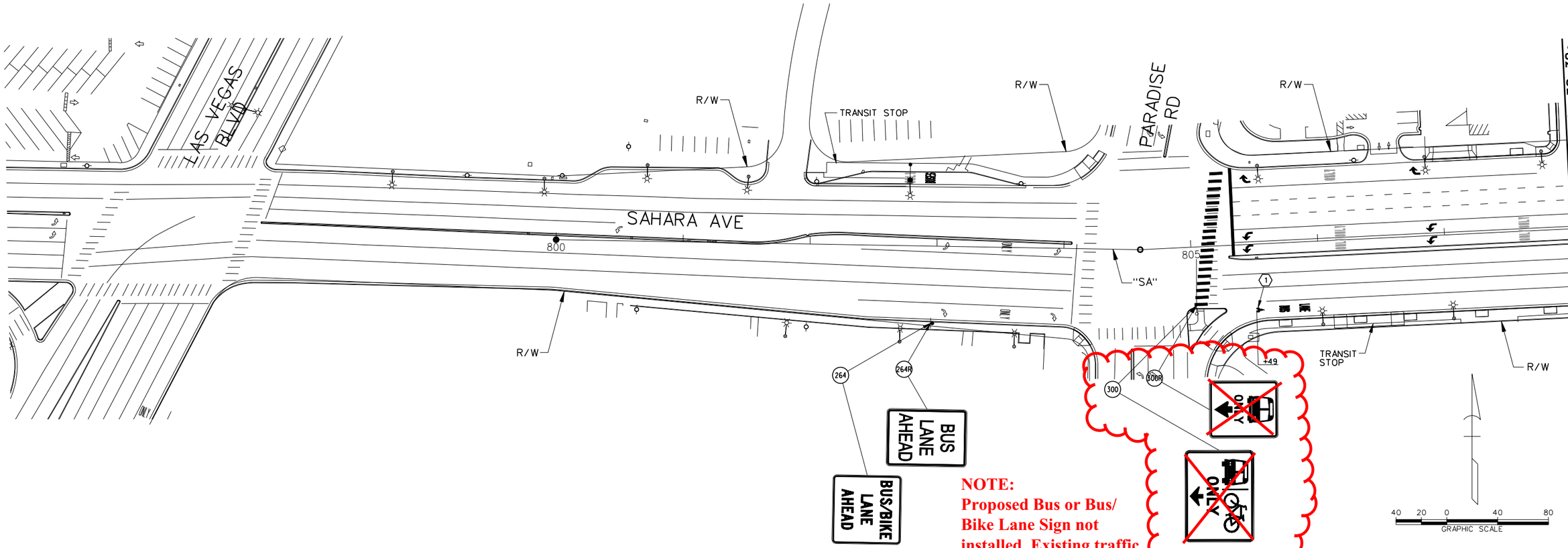
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-37a



MATCHLINE "SA" 808+00 - SEE SHEET TS-38a

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013

NOTE:
Proposed Bus or Bus/ Bike Lane Sign not installed. Existing traffic signal mast arm cannot accommodate the installation of new sign.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 805+49.00, RT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 800+00 to "SA" 820+00

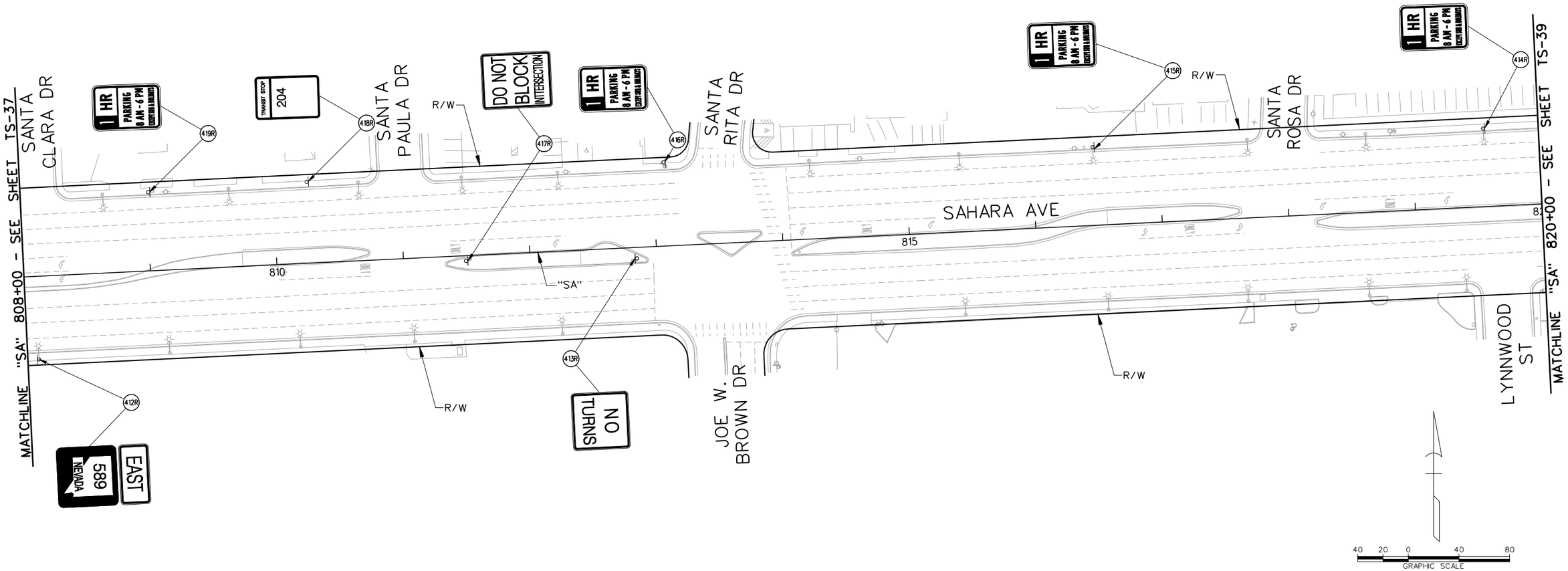
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-37a



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
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CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 808+00 to "SA" 820+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

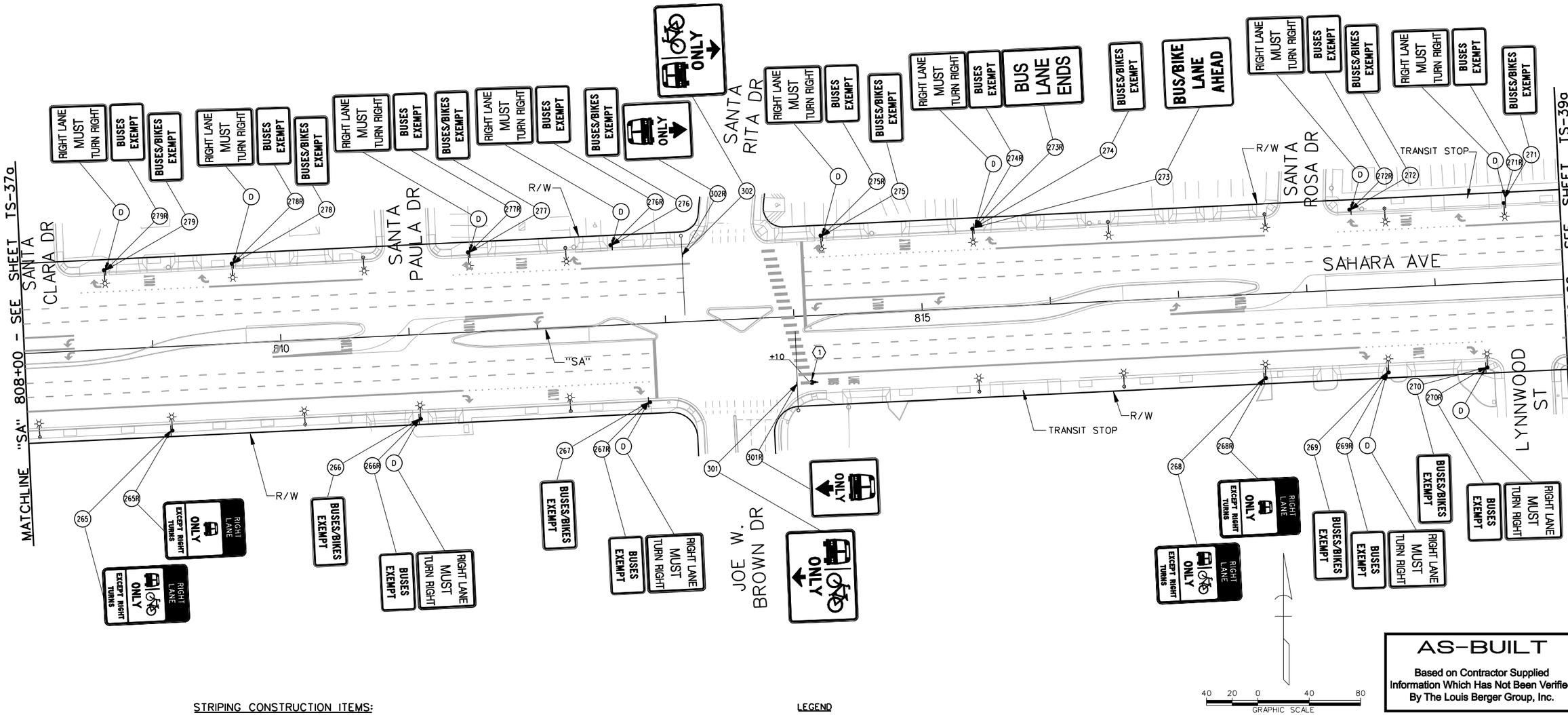
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SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-38

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



STRIPING CONSTRUCTION ITEMS:

1	"SA" 814+10.00, RT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	XR	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	D	- DO NOT DISTURB - SIGN TO REMAIN
Y		- NEW SIGN INSTALLATION

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
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3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

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CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 808+00 to "SA" 820+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

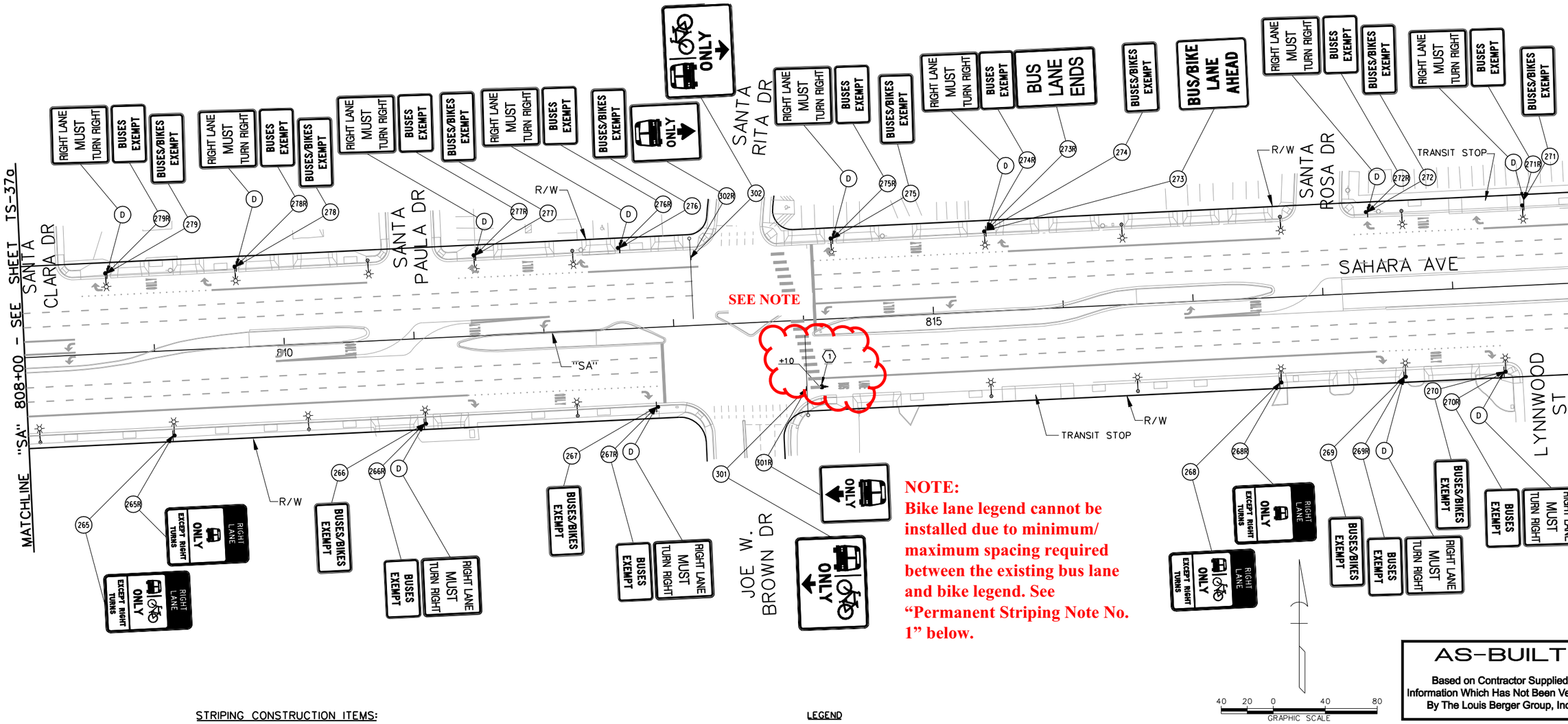
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-38a
Sheet 342a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



NOTE:
Bike lane legend cannot be installed due to minimum/ maximum spacing required between the existing bus lane and bike legend. See "Permanent Striping Note No. 1" below.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 814+10.00, RT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
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FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 808+00 to "SA" 820+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

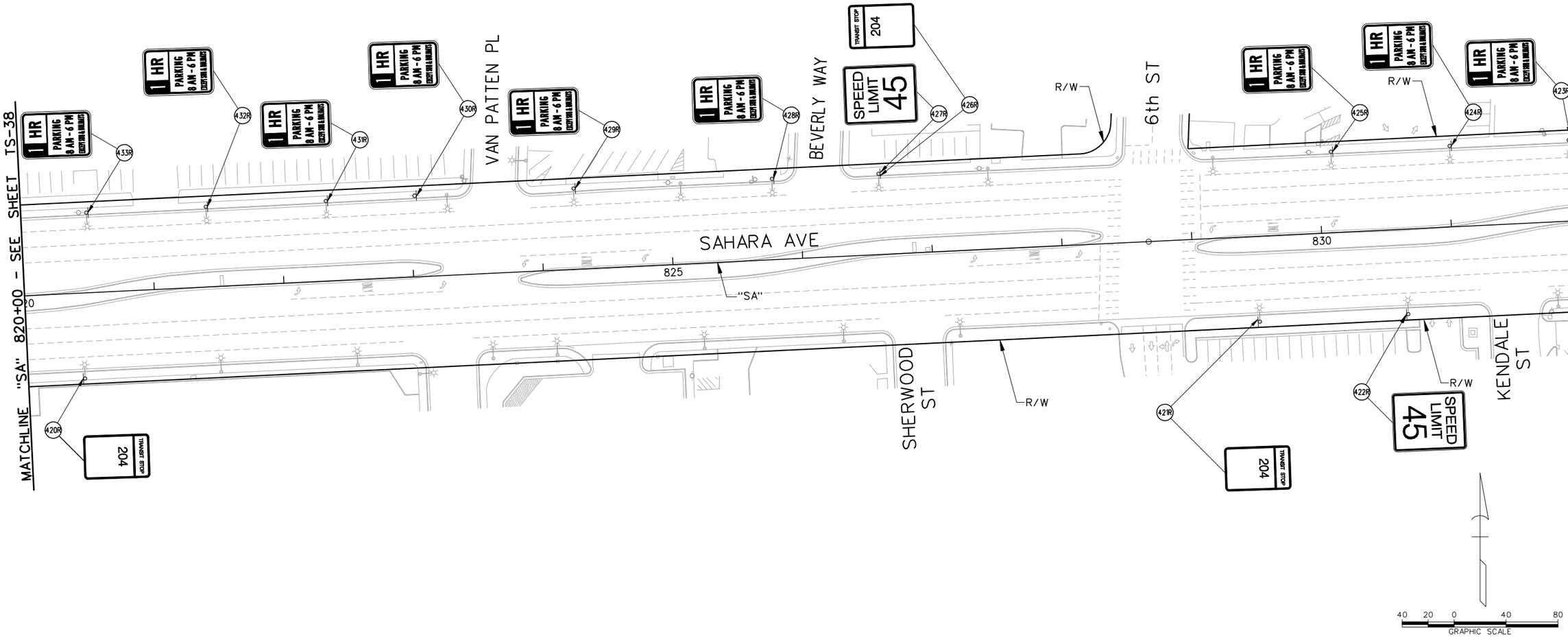
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-38a
Sheet 342a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call Before You Do Overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 820+00 to "Pe" 832+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

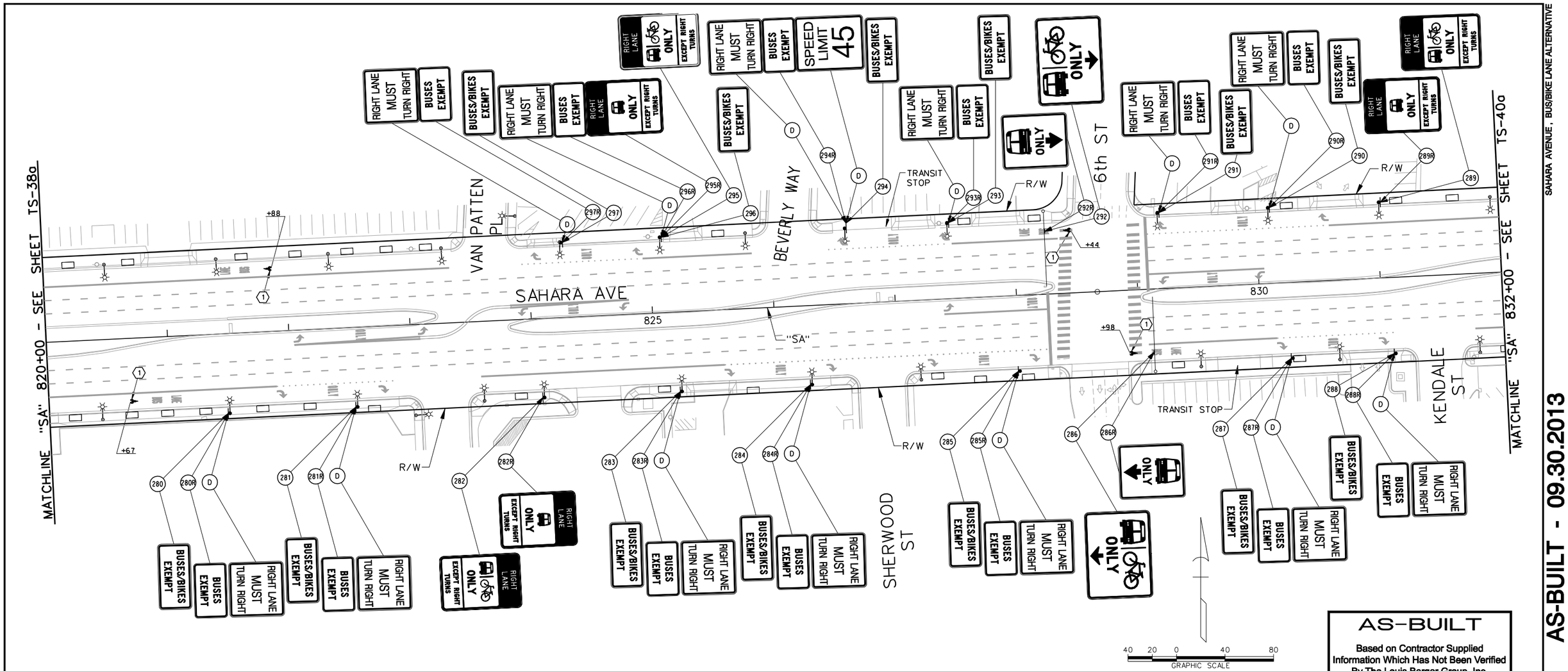
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-39

Sheet 343 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 820+67.00, RT
"SA" 828+98.00, RT
"SA" 828+44.00, LT
"SA" 821+88.00, LT

INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

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Call 811 or 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 820+00 to "Pe" 832+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

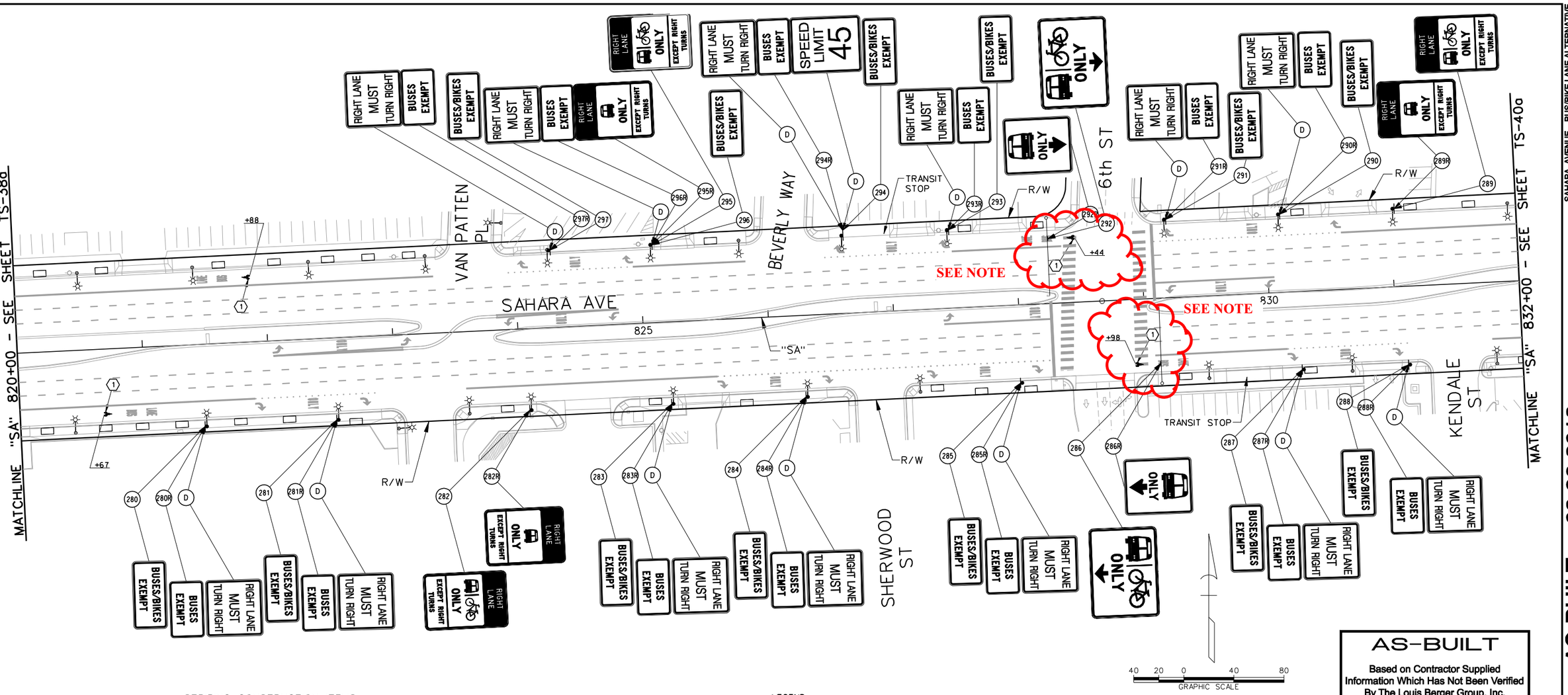
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-39a

Sheet 343a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 820+67.00, RT
"SA" 828+98.00, RT
"SA" 828+44.00, LT
"SA" 821+88.00, LT

INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

NOTE:
Bike lane legend cannot be installed due to minimum/maximum spacing required between the existing bus lane and bike legend. See "Permanent Striping Note No. 1" below.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 820+00 to "Pe" 832+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

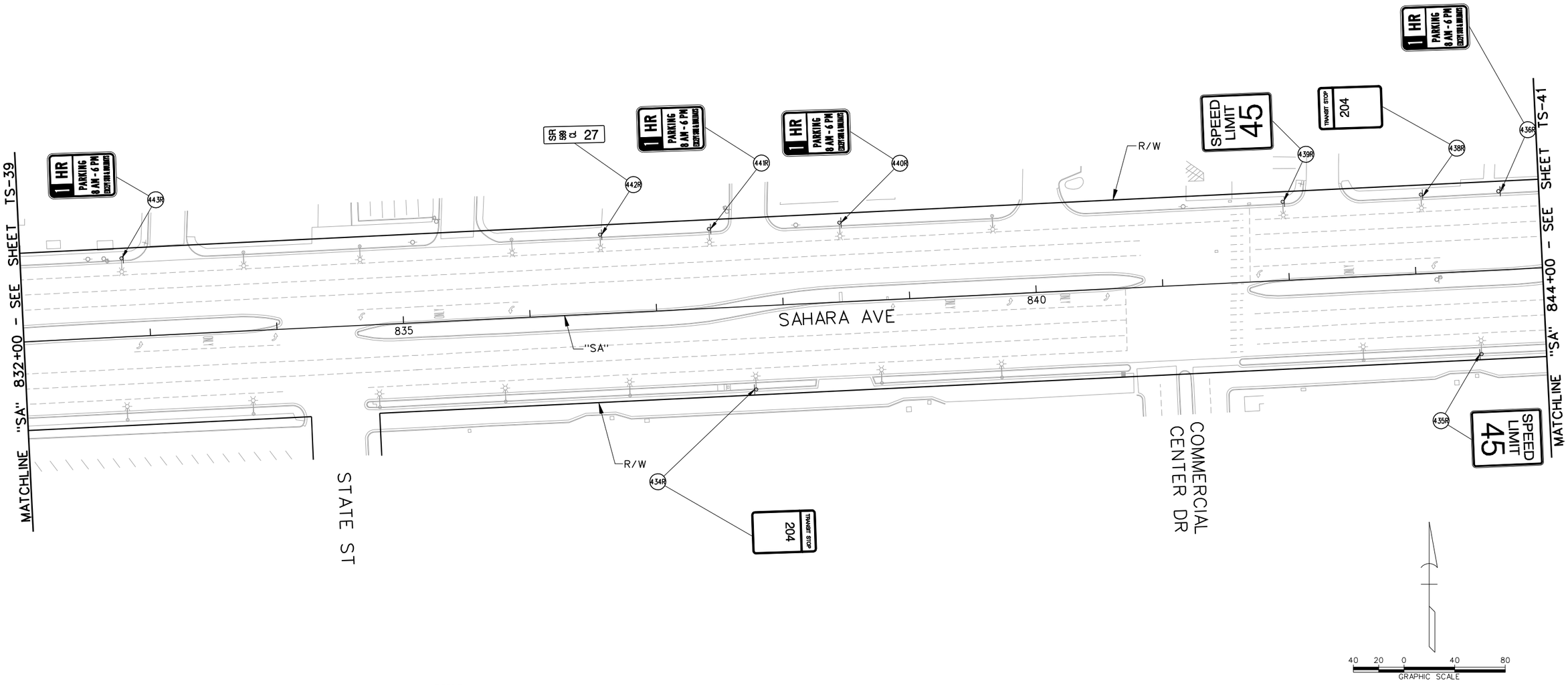
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-39a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 832+00 to "SA" 844+00

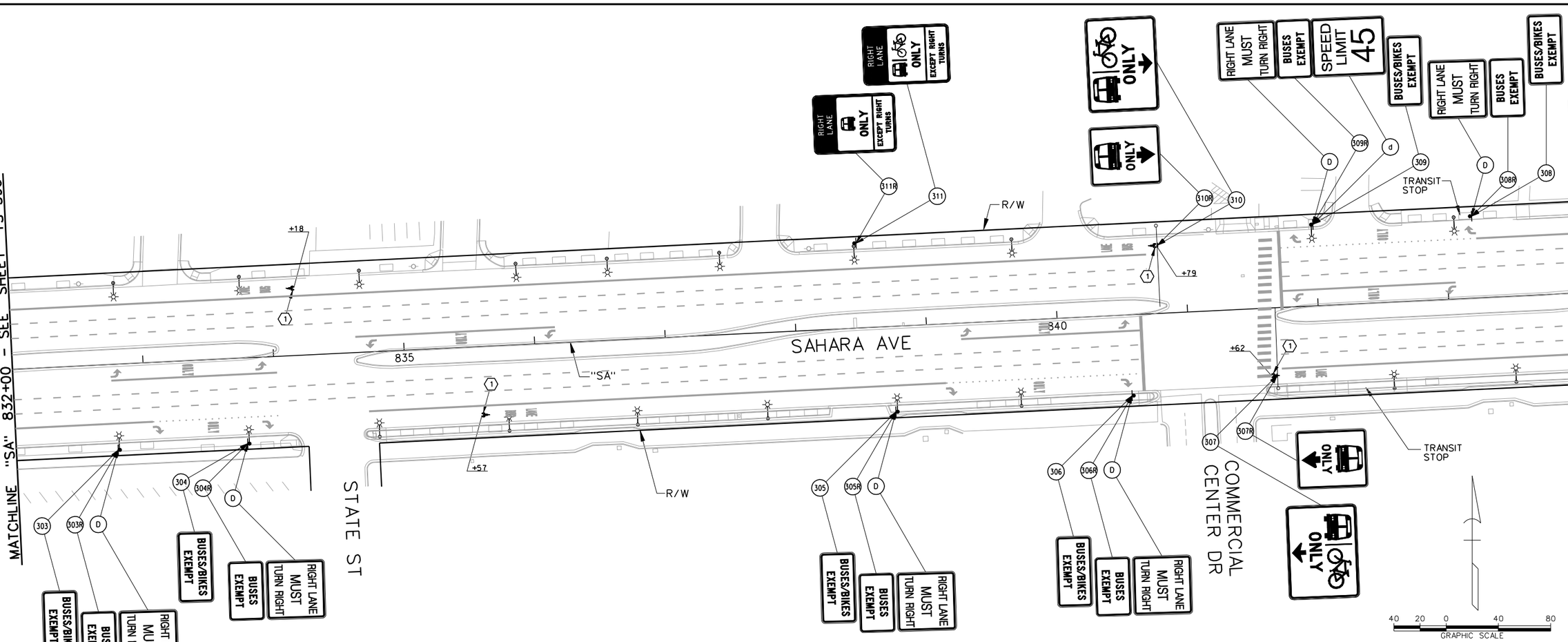
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-40



AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 835+57.00, RT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.
"SA" 841+62.00, RT
"SA" 840+79.00, LT
"SA" 834+18.00, LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
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FAST Call before you UnderGround 1-702-432-5300
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 832+00 to "SA" 844+00

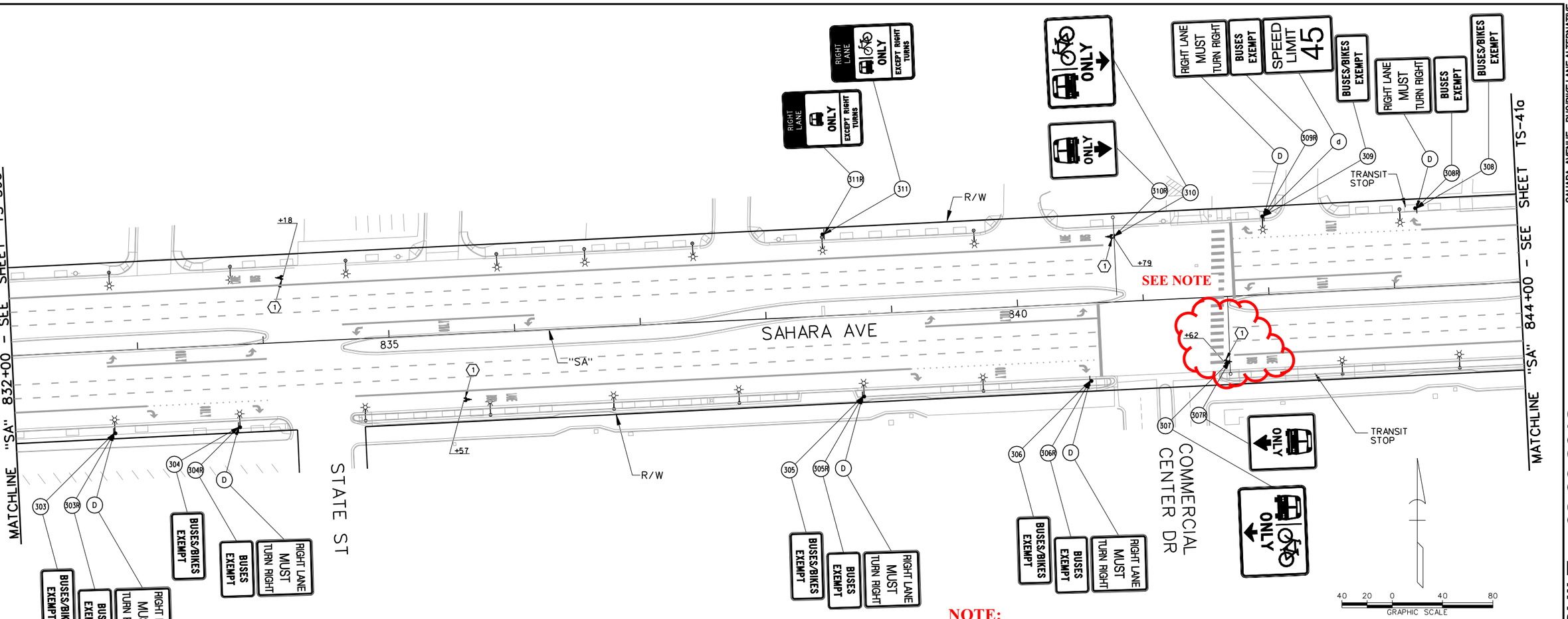
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-40a



NOTE:
Bike lane legend cannot be installed due to minimum/maximum spacing required between the existing bus lane and bike legend. See "Permanent Striping Note No. 1" below.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 835+57.00, RT "SA" 841+62.00, RT "SA" 840+79.00, LT "SA" 834+18.00, LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

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PERMANENT SIGNING NOTES:

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FAST Call before you UnderGround 1-702-432-5300
PRIMARY AND ACCURATE SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

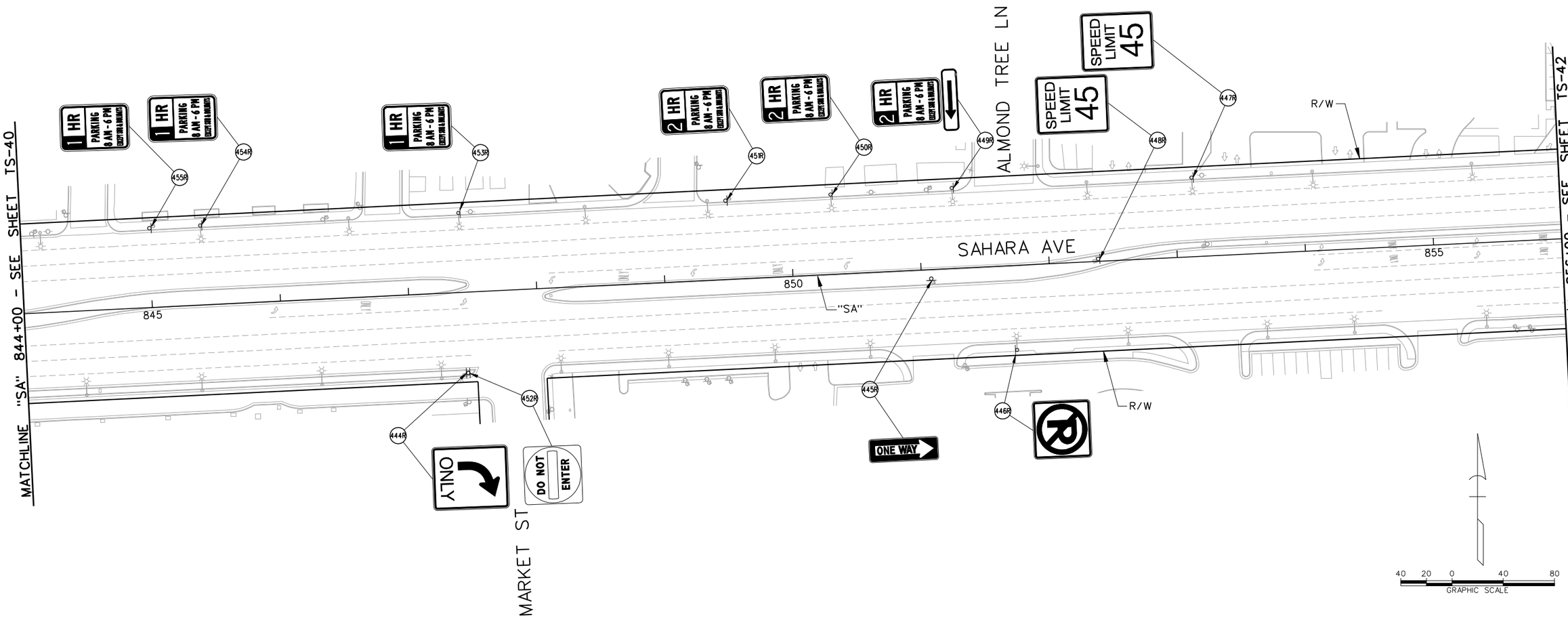
SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"SA" 832+00 to "SA" 844+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-40a



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

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FAST
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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 844+00 to "Pe" 856+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

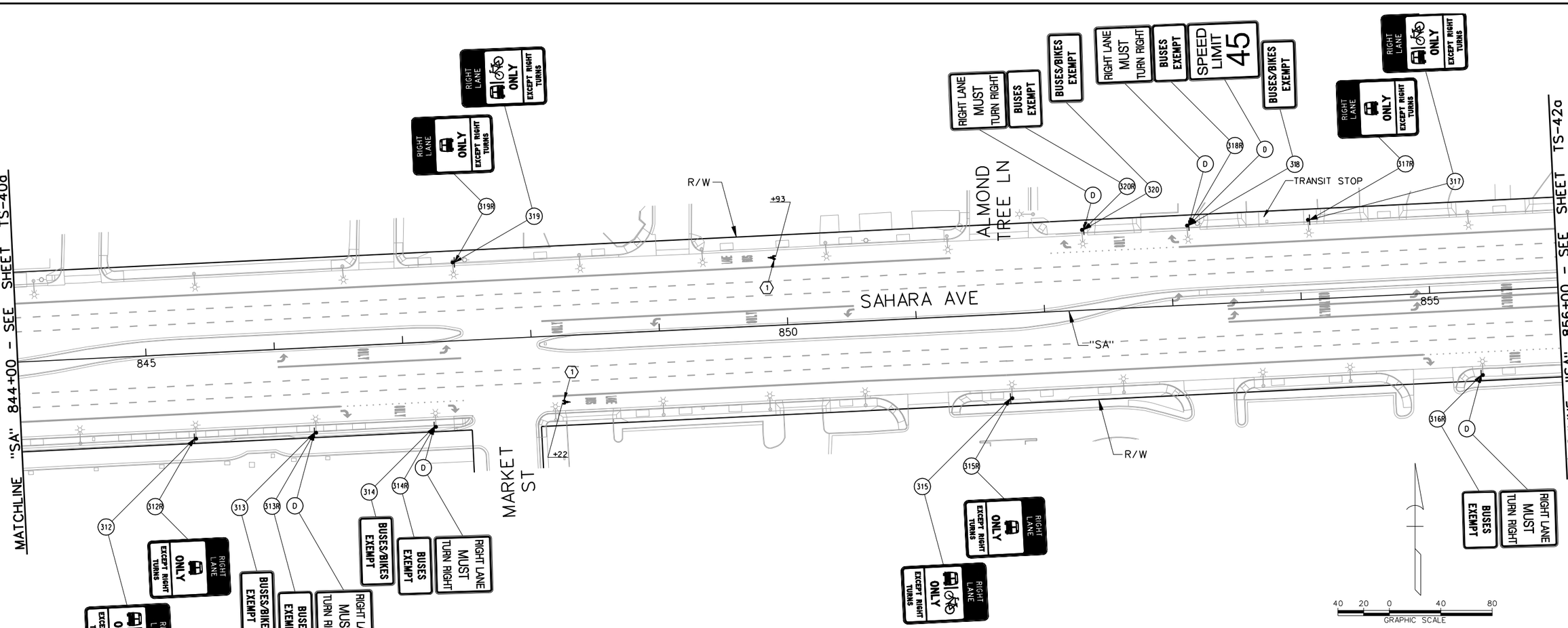
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500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-41

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 848+22.00. RT, "SA" 849+93.00. LT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

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Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
Avoid hitting overhead power lines. It's costly. Call before you do overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"SA" 844+00 to "SA" 856+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

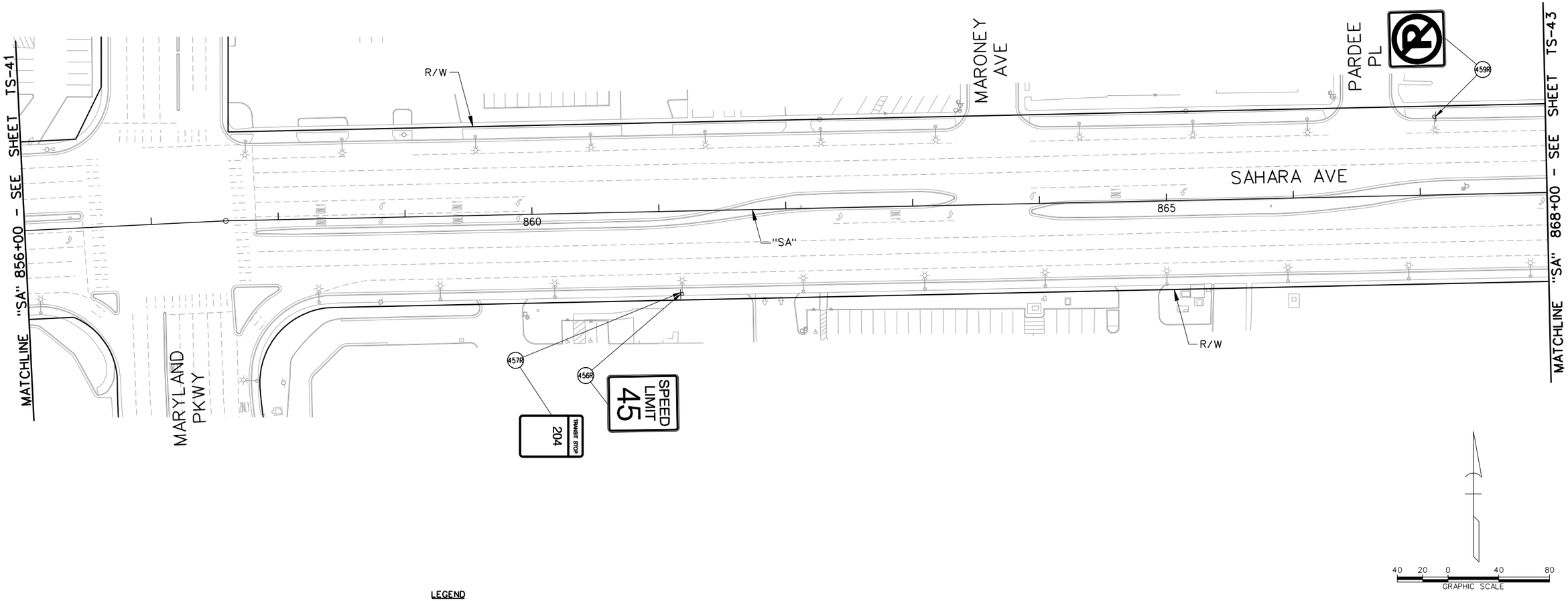
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-41a
Sheet 345a of 592

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
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AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 856+00 to "Pe" 868+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

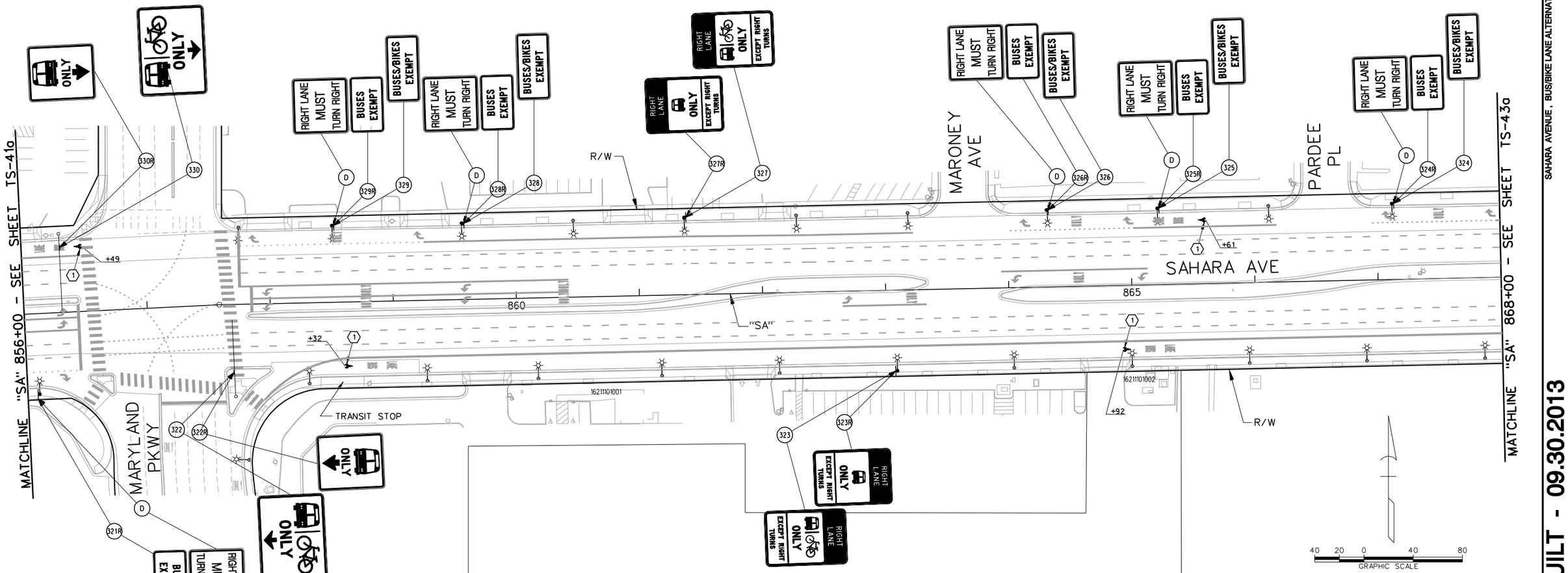
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-42

Sheet 346 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

⟨1⟩	"SA" 858+32.00. RT	INSTALL BIKE LEGENDS AS SHOWN
	"SA" 856+49.00. LT	USING TYPE 2 PAVEMENT MARKINGS.
	"SA" 864+92.00. RT	SEE DETAIL ON SHEET TS-52.
	"SA" 865+61.00. LT	

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

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2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 856+00 to "SA" 868+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

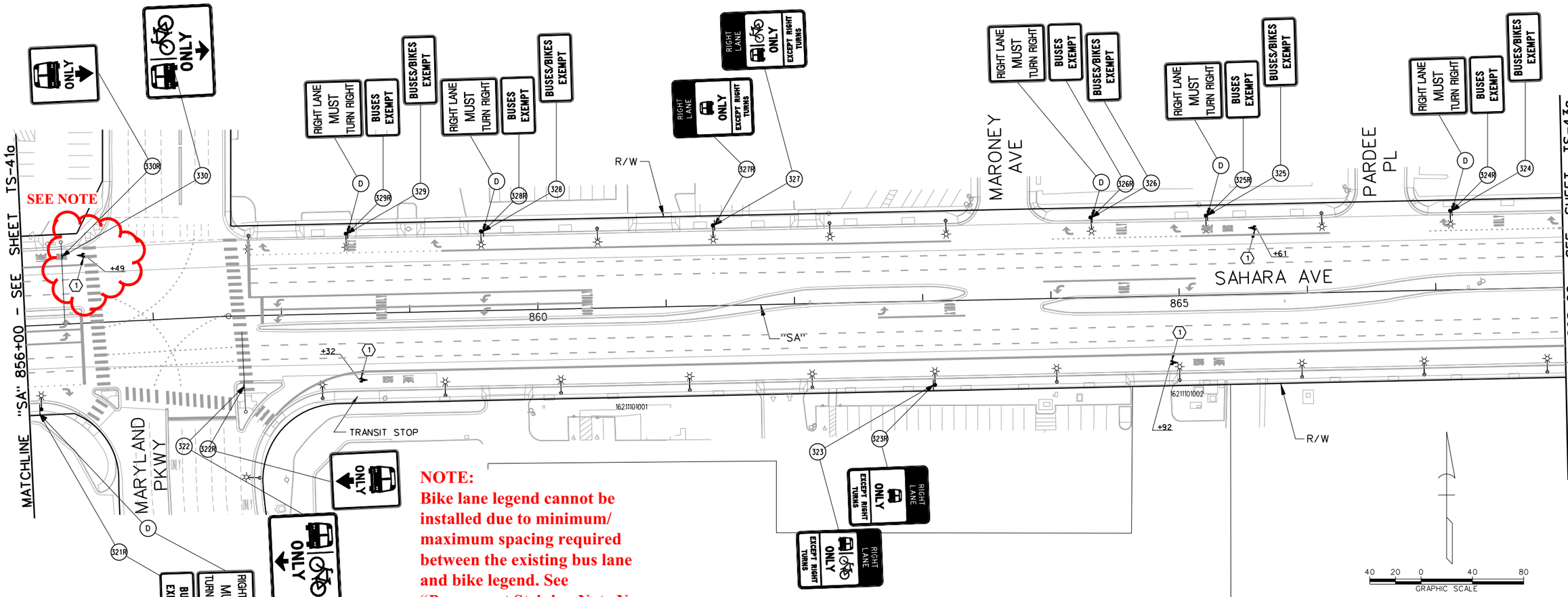
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-42a

Sheet 346a of 592

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

⟨1⟩	"SA" 858+32.00. RT "SA" 856+49.00. LT "SA" 864+92.00. RT "SA" 865+61.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

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REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 856+00 to "SA" 868+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

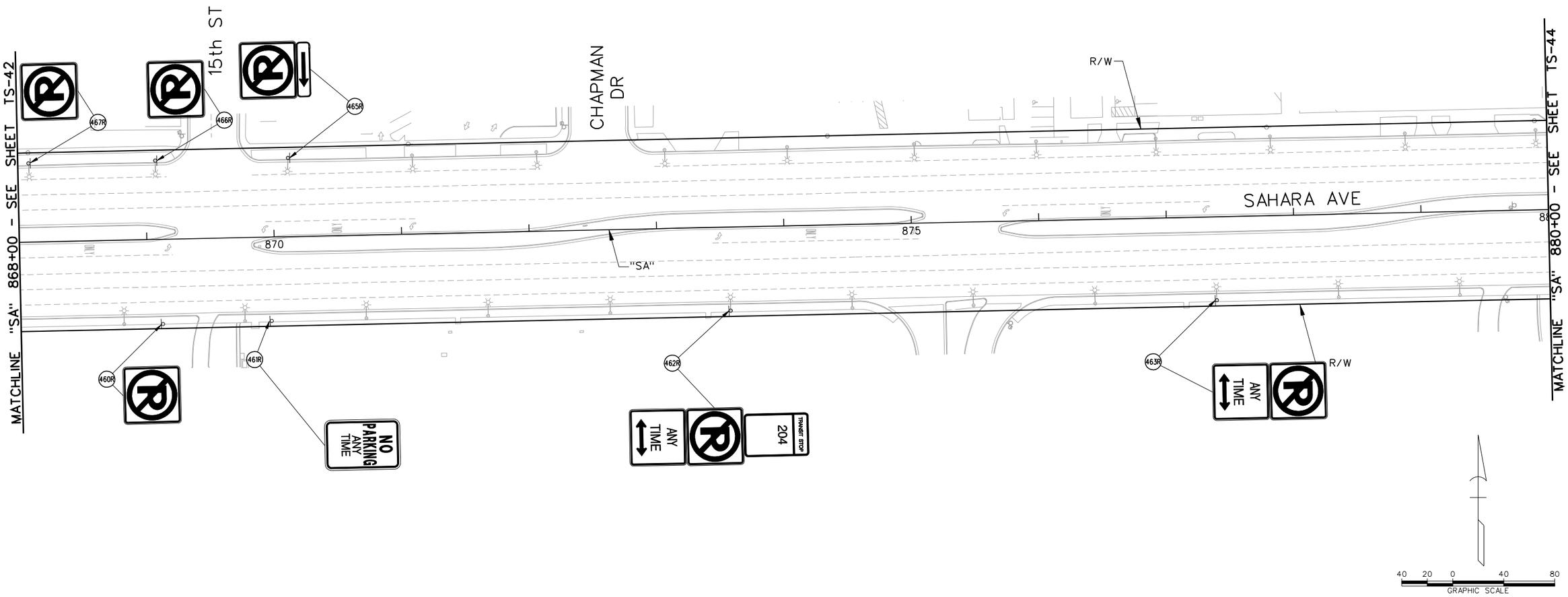
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-42a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 868+00 to "SA" 880+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

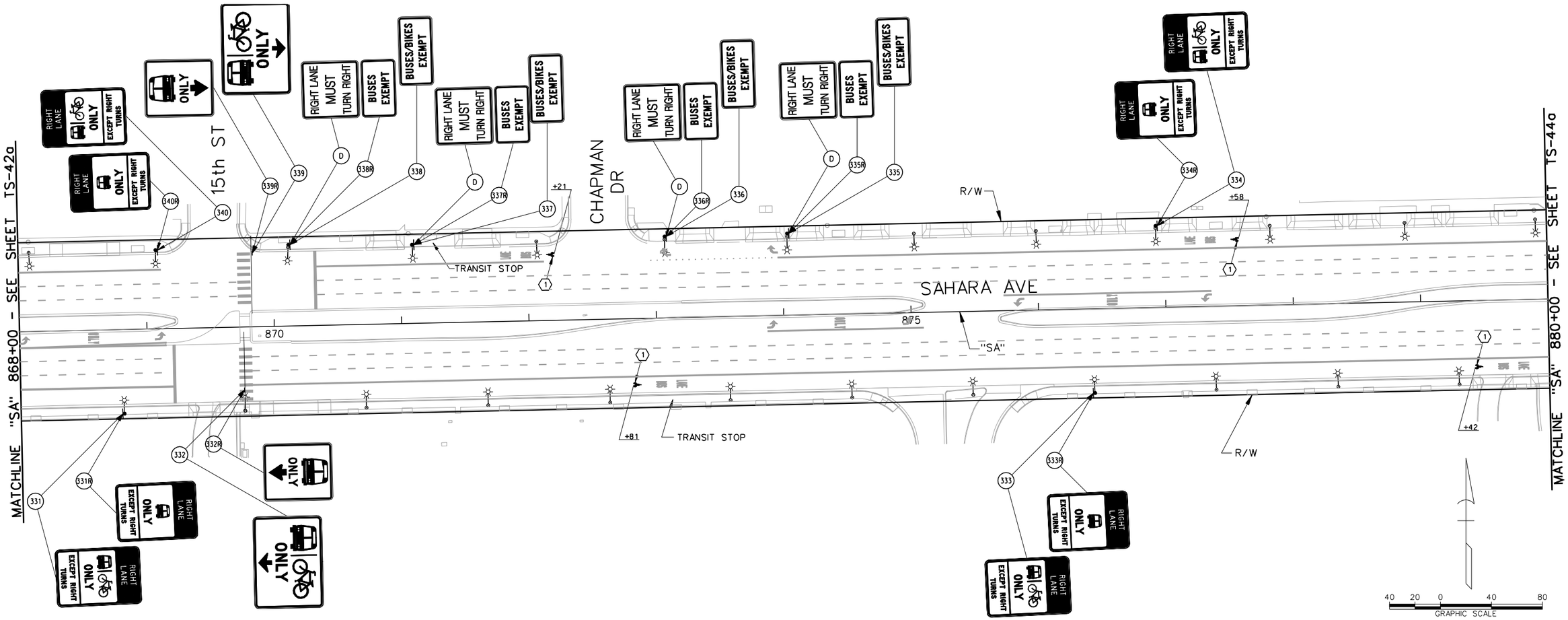
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-43

Sheet 347 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

⟨1⟩	"SA" 872+81.00. RT "SA" 879+42.00. RT "SA" 877+58.00. LT "SA" 872+21.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
Avoid hitting overhead power lines, it's costly. Call before you do overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 868+00 to "SA" 880+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

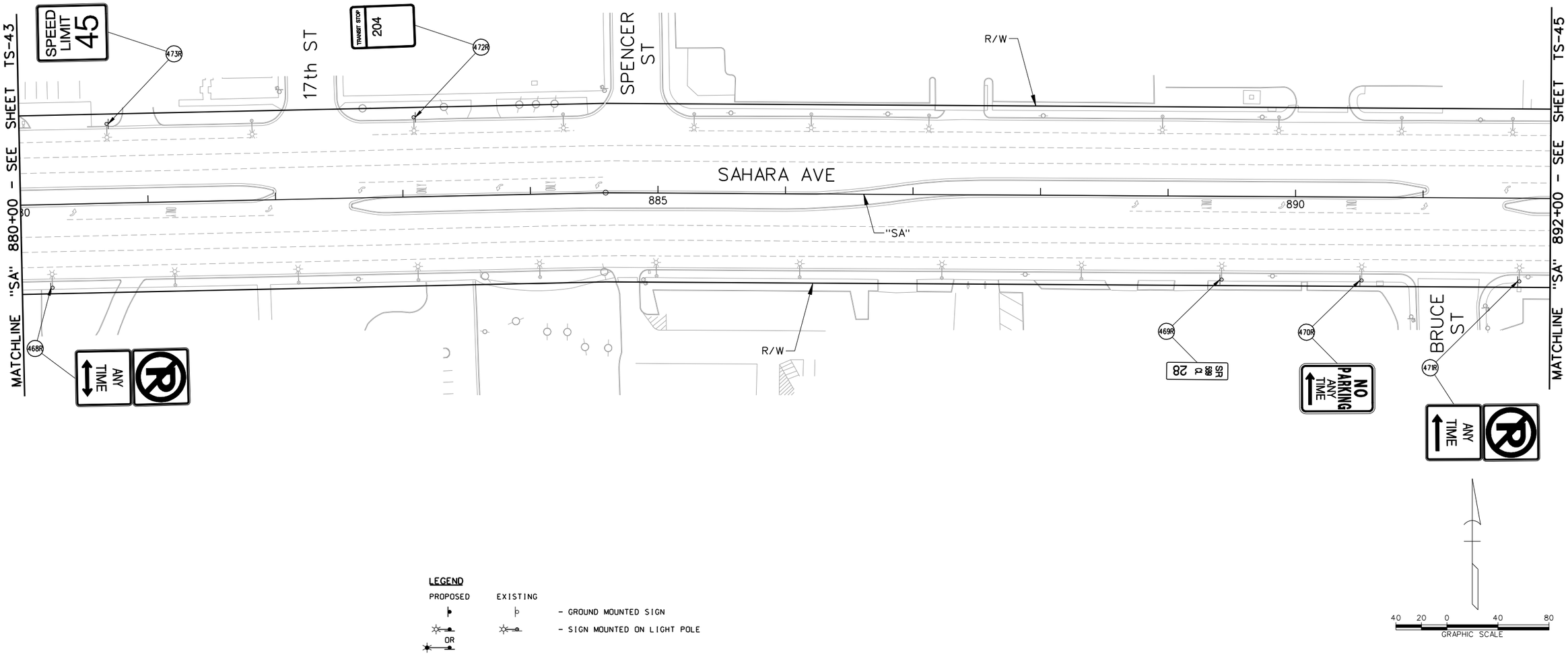
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-43a

Sheet 347a of 592

AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR ✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 880+00 to "SA" 892+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

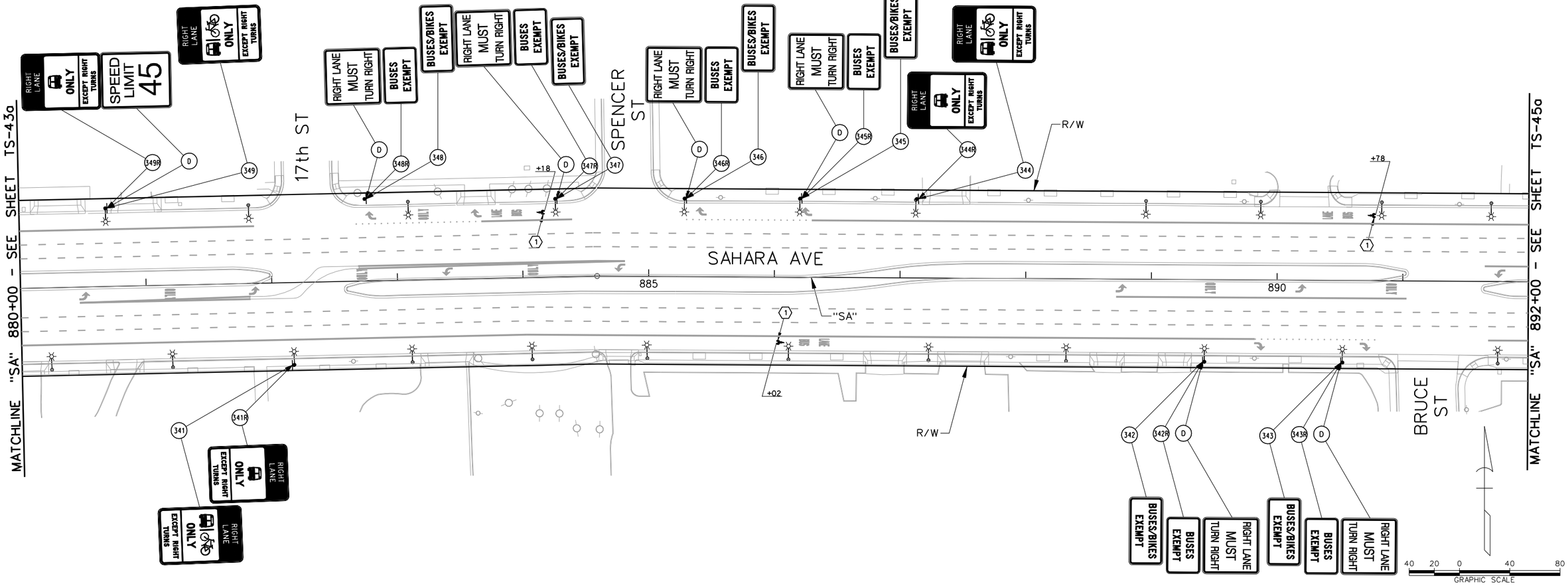
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-44

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 886+02.00. RT — INSTALL BIKE LEGENDS AS SHOWN
"SA" 890+78.00. LT — USING TYPE 2 PAVEMENT MARKINGS.
"SA" 884+18.00. LT — SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN "SA" 880+00 to "SA" 892+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 — DRAWN BY: GFV
DESIGNED BY: NLG — CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

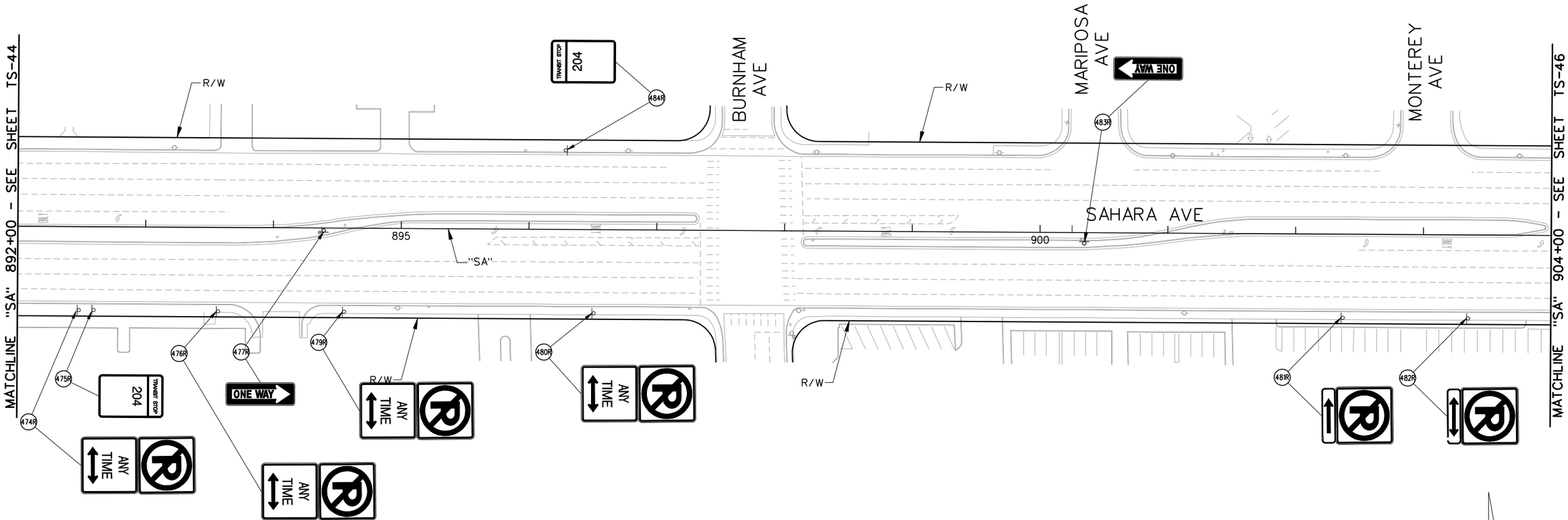
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HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

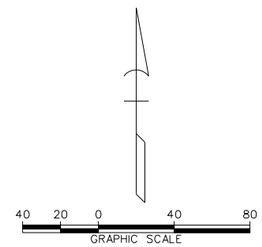
SHEET No. TS-44a

Sheet 348a of 592

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013





LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
(XR)		- EXISTING SIGN TO BE REMOVED AND SALVAGED
(D)		- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call Before You Do Overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 892+00 to "SA" 904+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

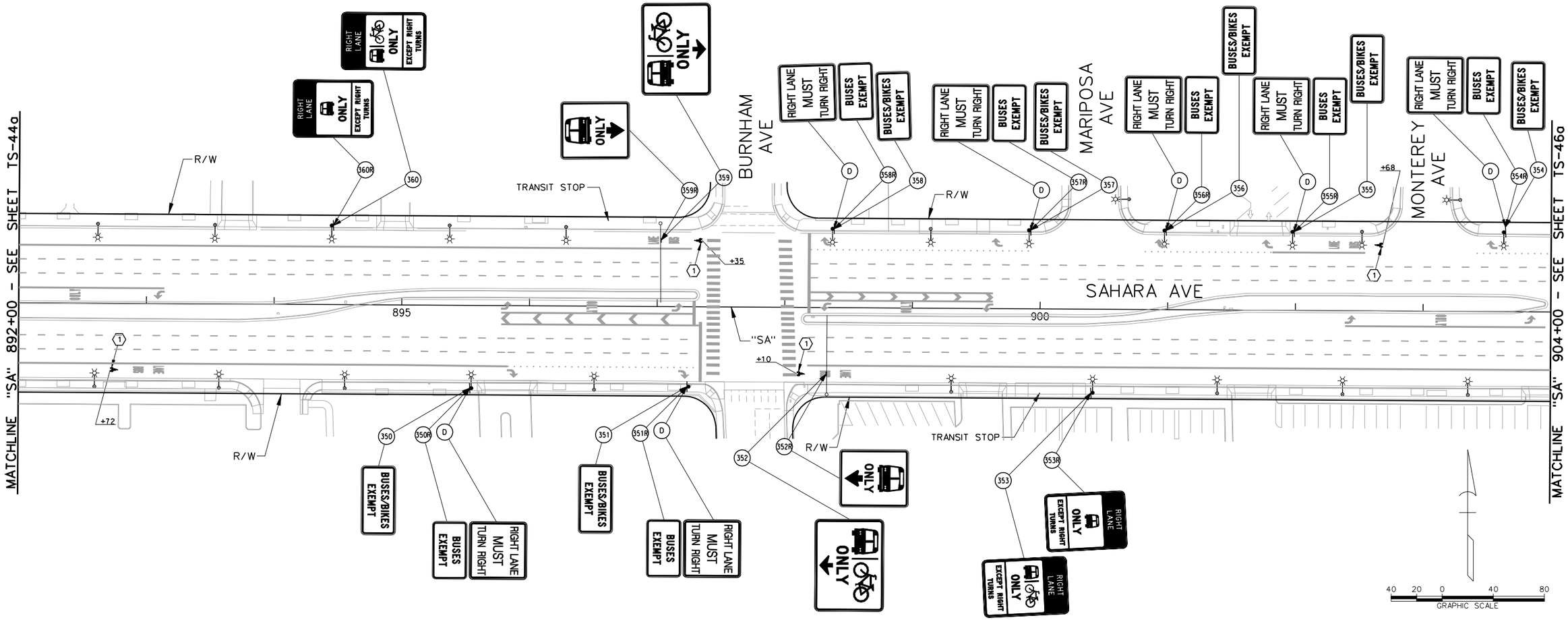
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-45

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 892+72.00, RT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.
"SA" 898+10.00, RT
"SA" 902+68.00, LT
"SA" 897.35.00, LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"SA" 892+00 to "SA" 904+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

RTC OF SOUTHERN NEVADA — REGIONAL TRANSPORTATION COMMISSION

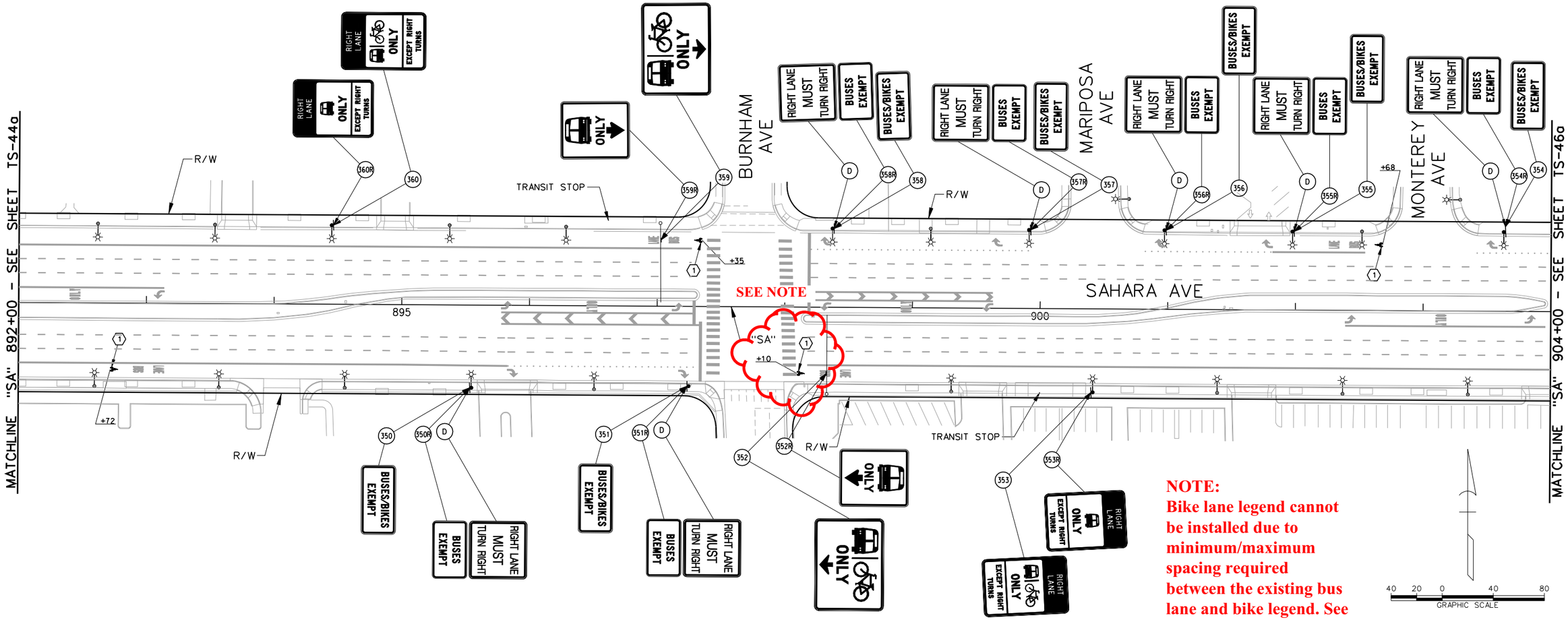
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-45a
Sheet 349a of 592

09.30.2013
AS-BUILT - 09
SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE



NOTE:
Bike lane legend cannot be installed due to minimum/maximum spacing required between the existing bus lane and bike legend. See "Permanent Striping Note No. 1" below.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 892+72.00. RT "SA" 898+10.00. RT "SA" 902+68.00. LT "SA" 897.35.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN "SA" 892+00 to "SA" 904+00

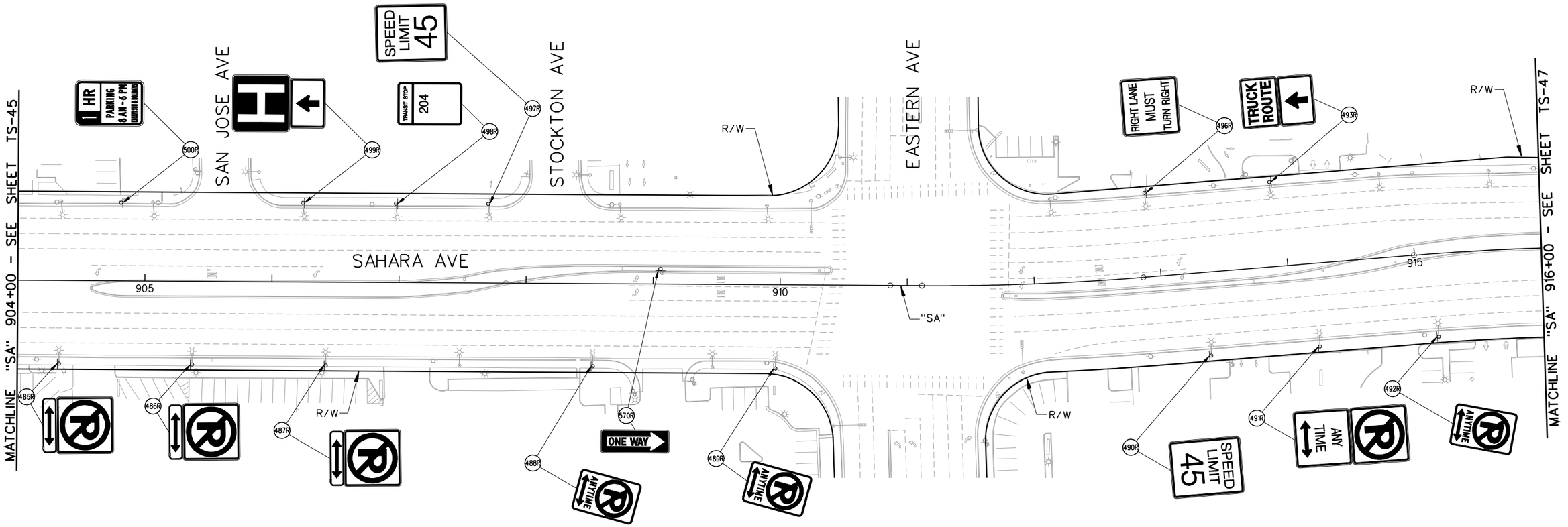
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

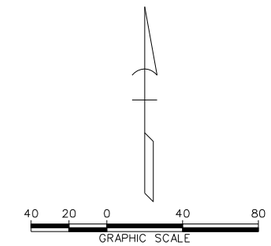
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-45a



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 904+00 to "SA" 916+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

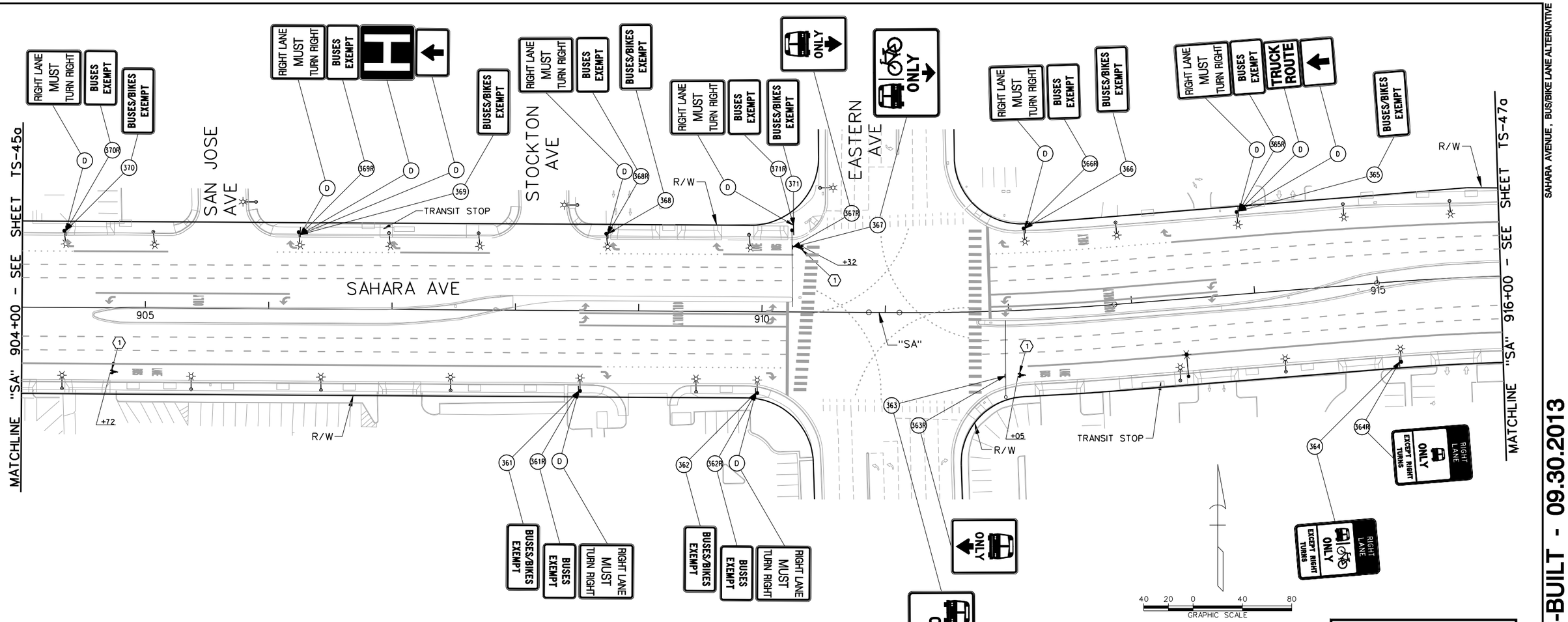
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-46

Sheet 350 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 904+72.00, RT — INSTALL BIKE LEGENDS AS SHOWN
"SA" 912+05.00, RT — USING TYPE 2 PAVEMENT MARKINGS.
"SA" 910+32.00, LT — SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 904+00 to "SA" 916+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

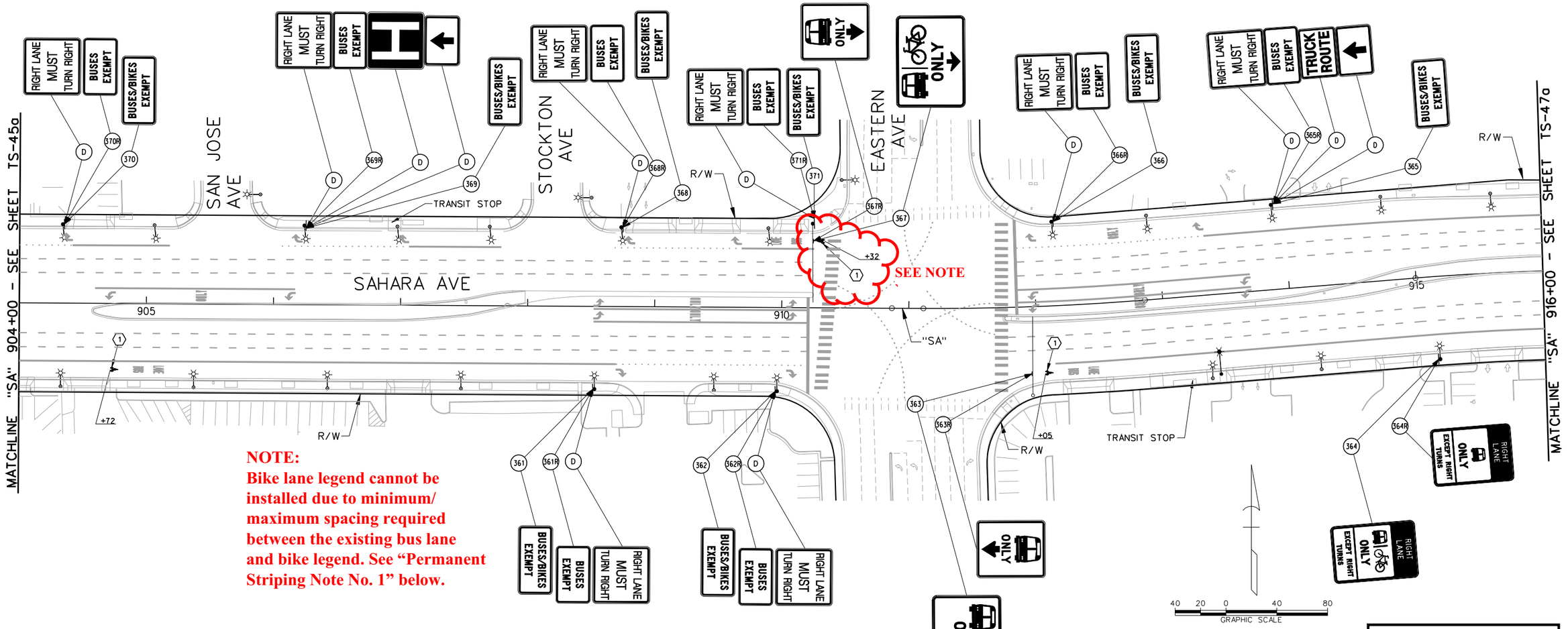
PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE — HORIZ: AS SHOWN — VERT: NONE

FIELD BOOK: NONE

SHEET No. TS-46a



NOTE:
Bike lane legend cannot be installed due to minimum/ maximum spacing required between the existing bus lane and bike legend. See "Permanent Striping Note No. 1" below.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 904+72.00, RT "SA" 912+05.00, RT "SA" 910+32.00, LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CURB.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
1-702-432-5300
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 904+00 to "SA" 916+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

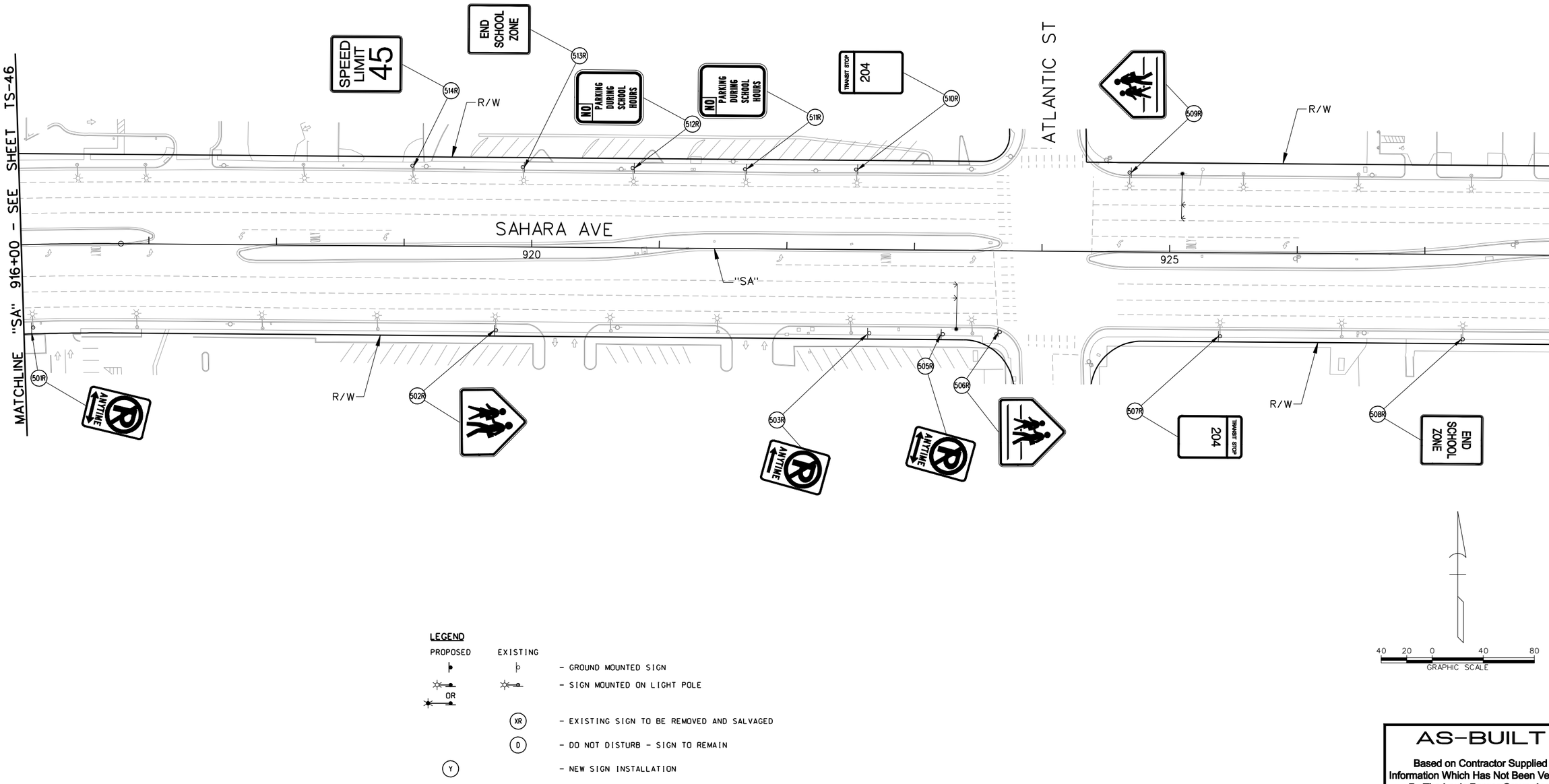
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-46a

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 916+00 to "SA" 928+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

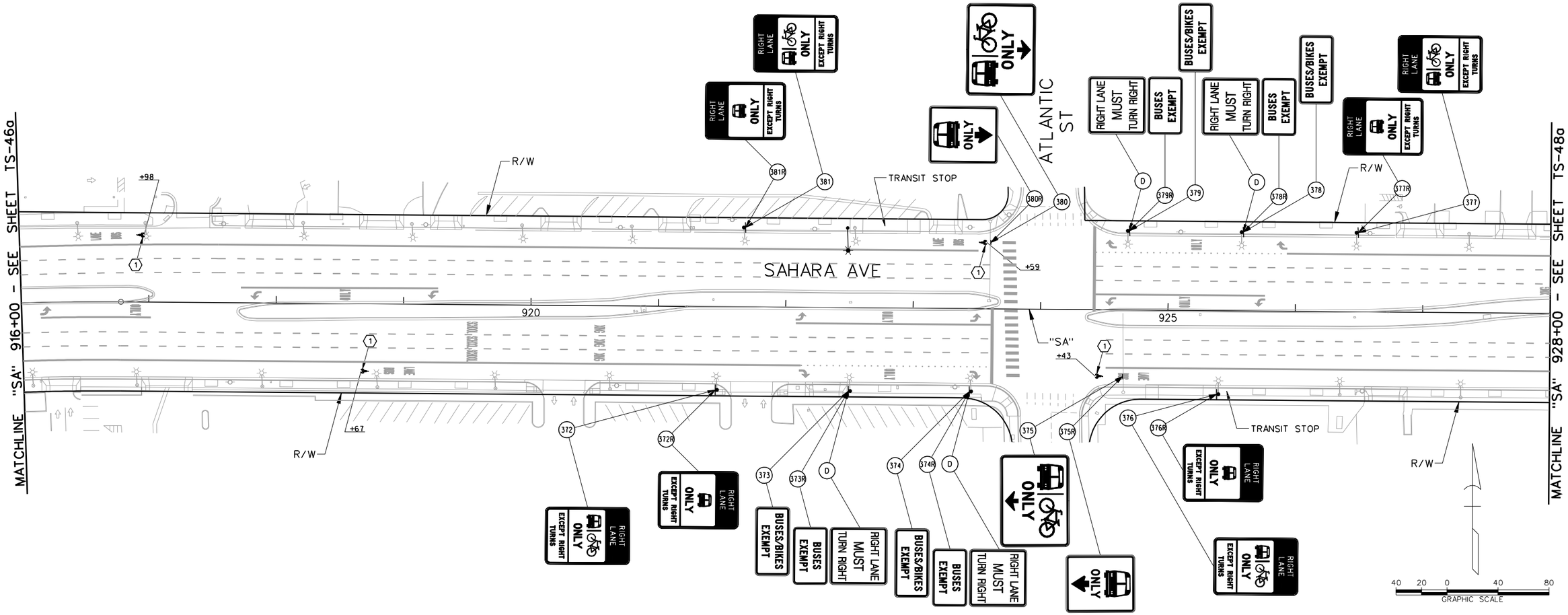
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HORIZ: AS SHOWN
VERT:
FIELD BOOK: NONE

SHEET No. TS-47

Sheet 351 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 918+67.00. RT, "SA" 924+43.00. RT, "SA" 923+59.00. LT, "SA" 916+98.00. LT — INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 916+00 to "SA" 928+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

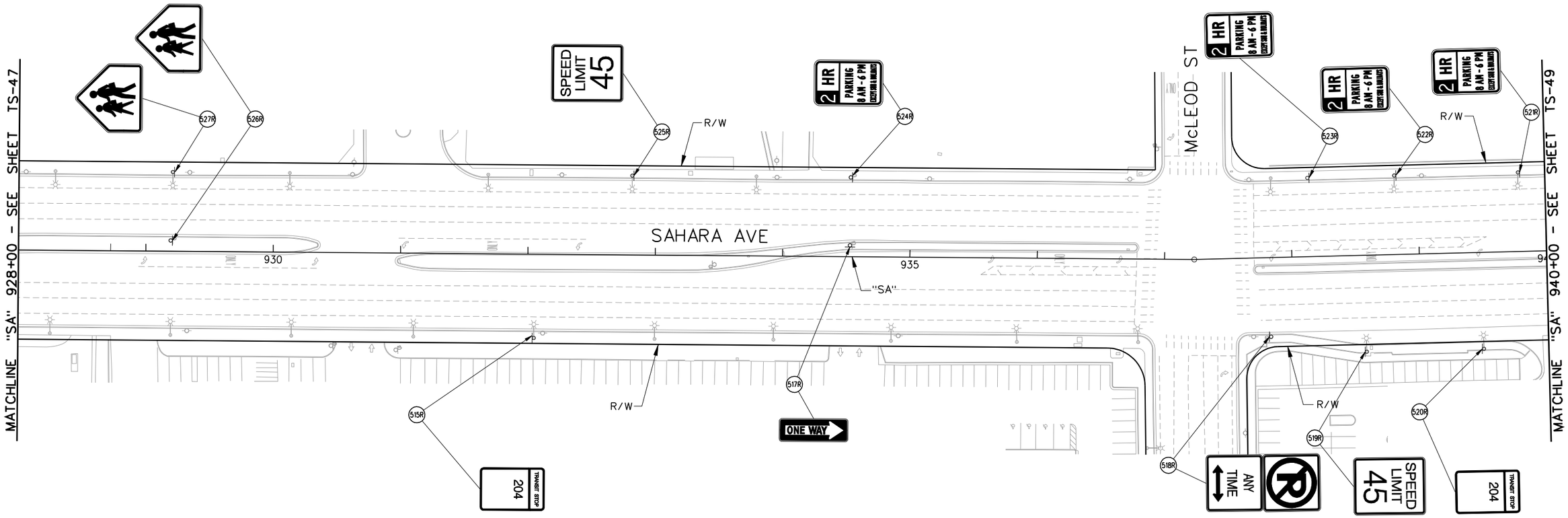
SCALE
HORIZ: AS SHOWN
VERT:
FIELD BOOK: NONE

SHEET No. TS-47a

Sheet 351a of 592

AS-BUILT - 09.30.2013

SAHARA AVENUE, BUS/BIKE LANE ALTERNATIVE



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 928+00 to "Pe" 940+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

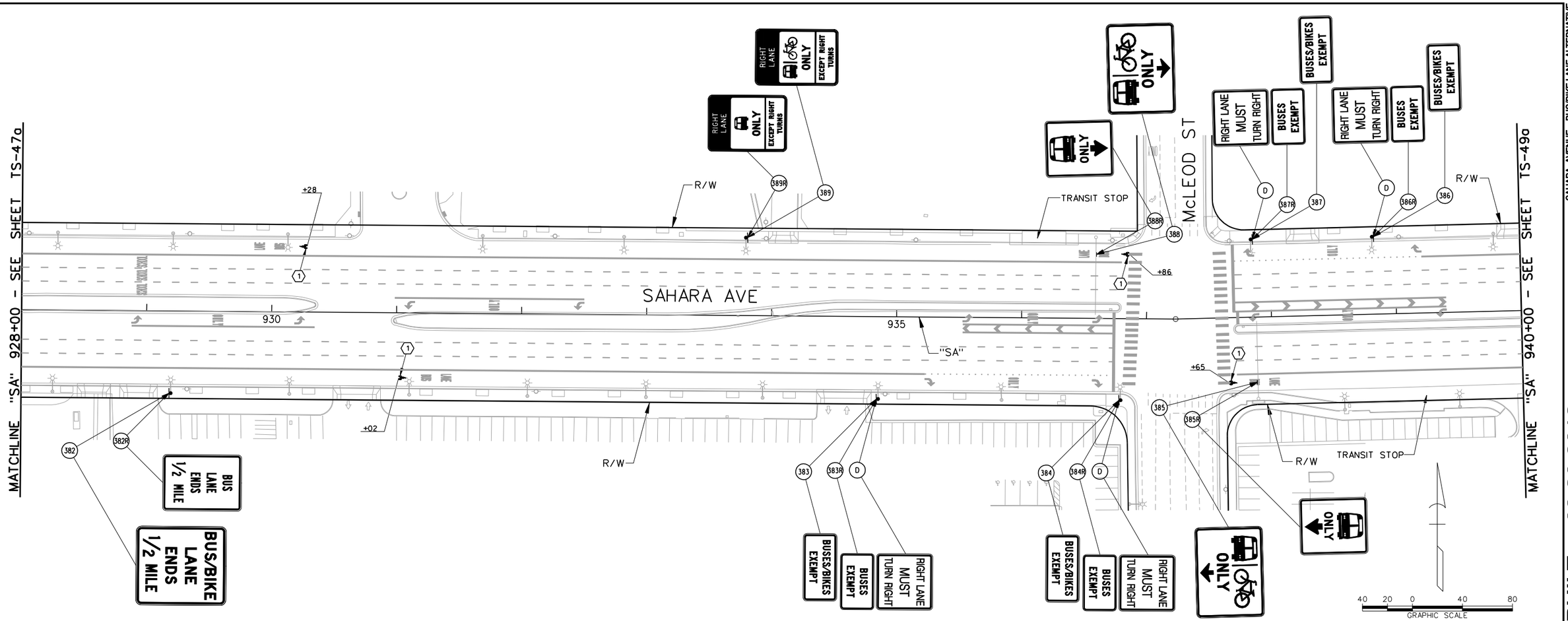
SCALE
HORIZ: AS SHOWN
VERT:
FIELD BOOK: NONE

SHEET No. TS-48

Sheet 352 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 931+02.00, RT
"SA" 937+65.00, RT
"SA" 936+86.00, LT
"SA" 930+28.00, LT

INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
ACID CUTTING WEEDS CAN DAMAGE UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
REGIONAL AND NATIONAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 928+00 to "Pe" 940+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

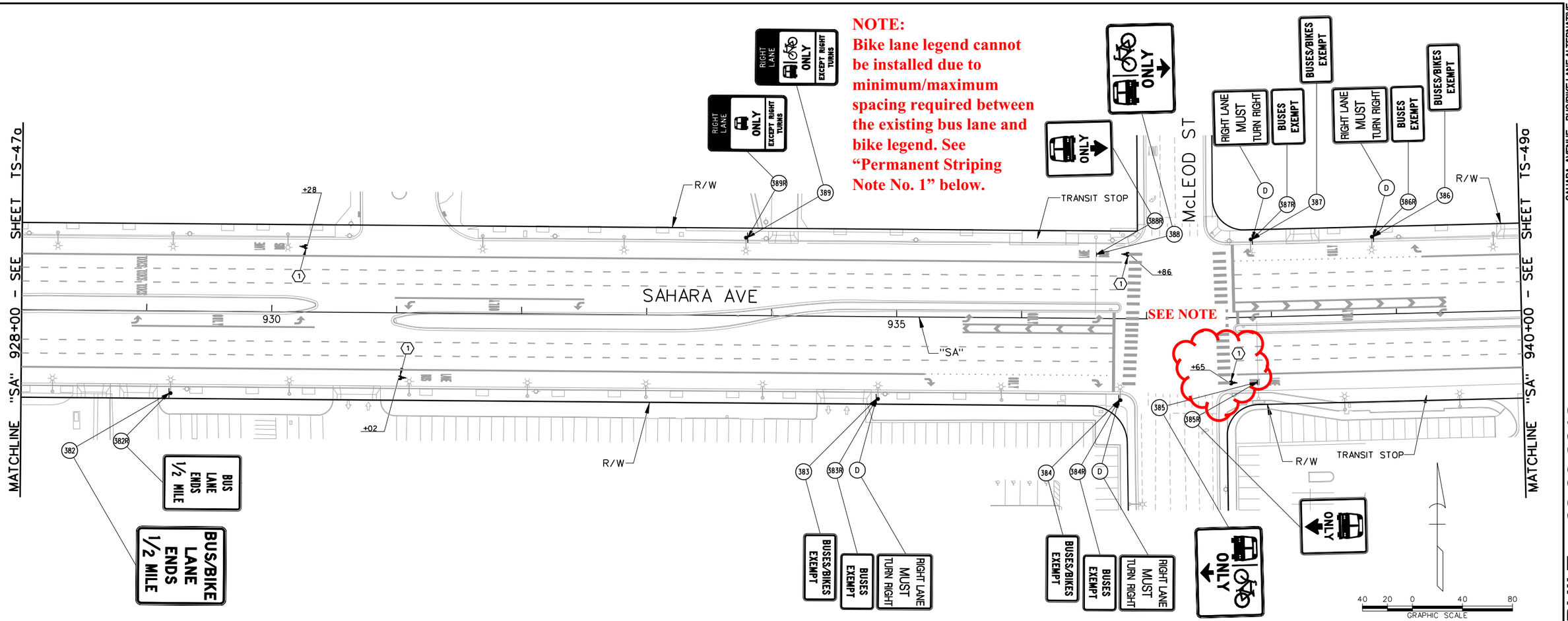
SCALE
HORIZ : AS SHOWN
VERT :
FIELD BOOK :
NONE

SHEET No.
TS-48a
Sheet 352a of 592

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

09.30.2013

AS-BUILT - 09.



NOTE:
Bike lane legend cannot be installed due to minimum/maximum spacing required between the existing bus lane and bike legend. See "Permanent Striping Note No. 1" below.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 931+02.00, RT "SA" 937+65.00, RT "SA" 936+86.00, LT "SA" 930+28.00, LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

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2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
ACID CUTTING MISSISSIPPI UTILITY LINES, ETC CUSTOMIZE
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES, ETC CUSTOMIZE
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 928+00 to "Pe" 940+00

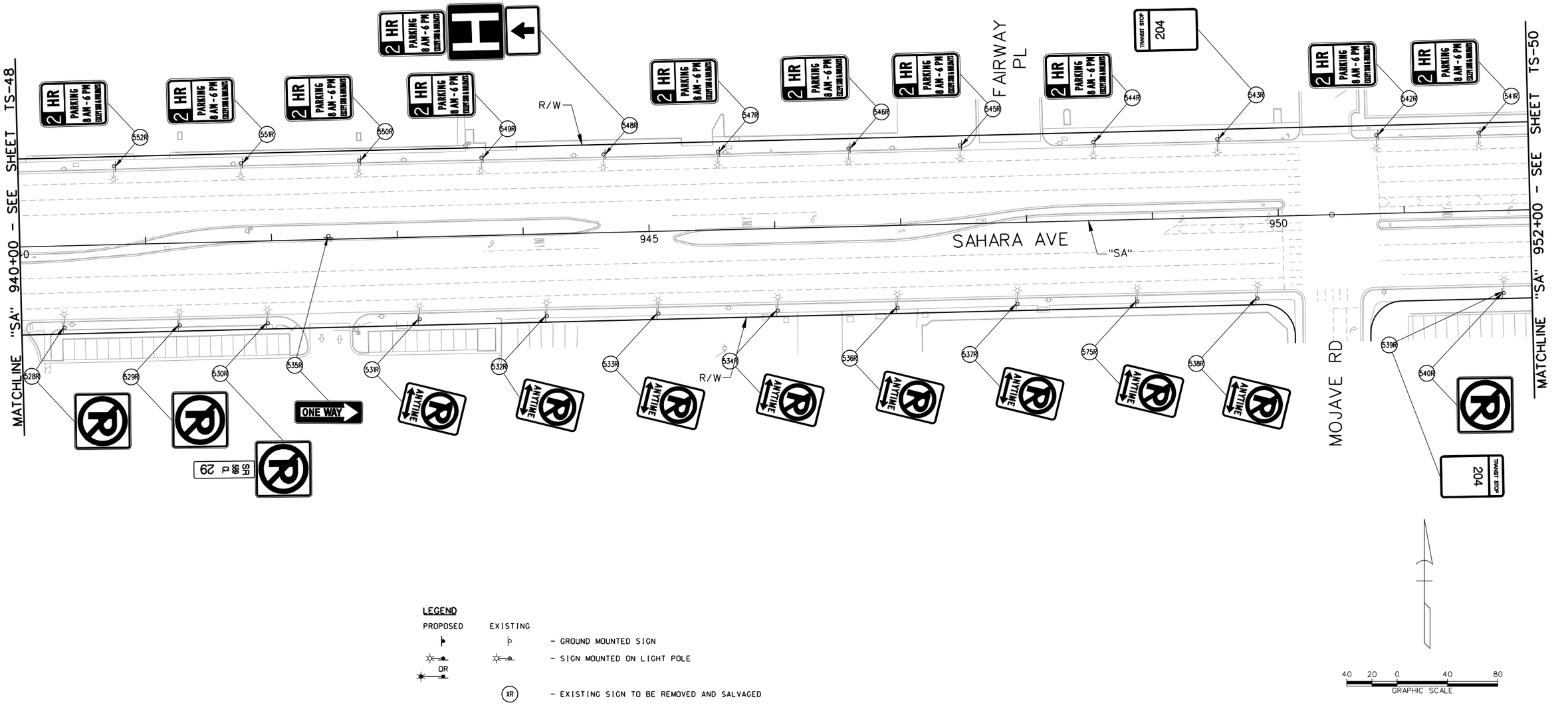
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT :
FIELD BOOK :
NONE

SHEET No.
TS-48a



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
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AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

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AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 940+00 to "SA" 952+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

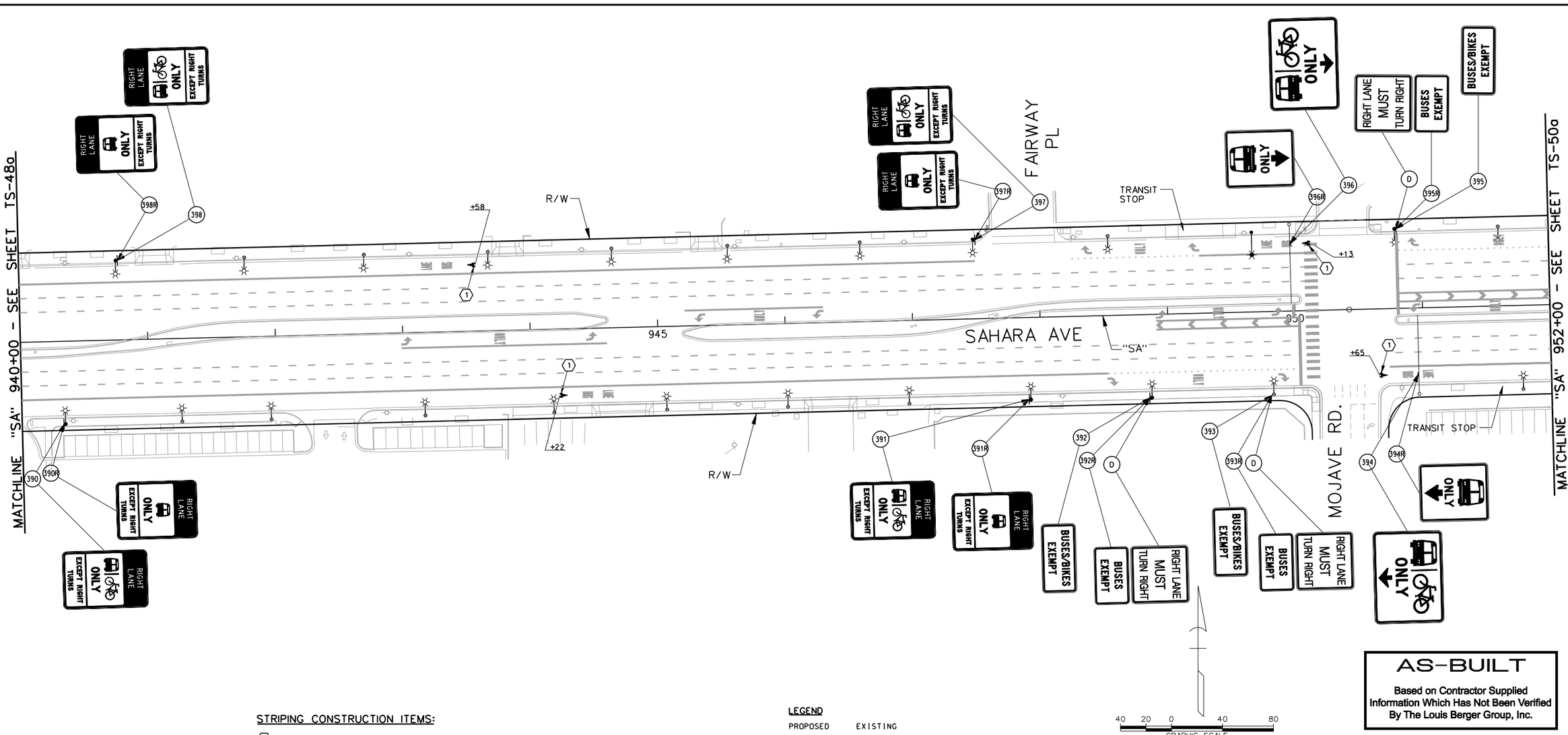
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-49

Sheet 353 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

40 20 0 40 80
GRAPHIC SCALE

STRIPING CONSTRUCTION ITEMS:

(1) "SA" 944+22.00. RT — INSTALL BIKE LEGENDS AS SHOWN
"SA" 950+65.00. RT — USING TYPE 2 PAVEMENT MARKINGS.
"SA" 950+13.00. LT — SEE DETAIL ON SHEET TS-52.
"SA" 943+58.00. LT

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

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Call before you Dig — Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PERMANENT SIGNING & STRIPING INSTALLATION PLAN
"SA" 940+00 to "SA" 952+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

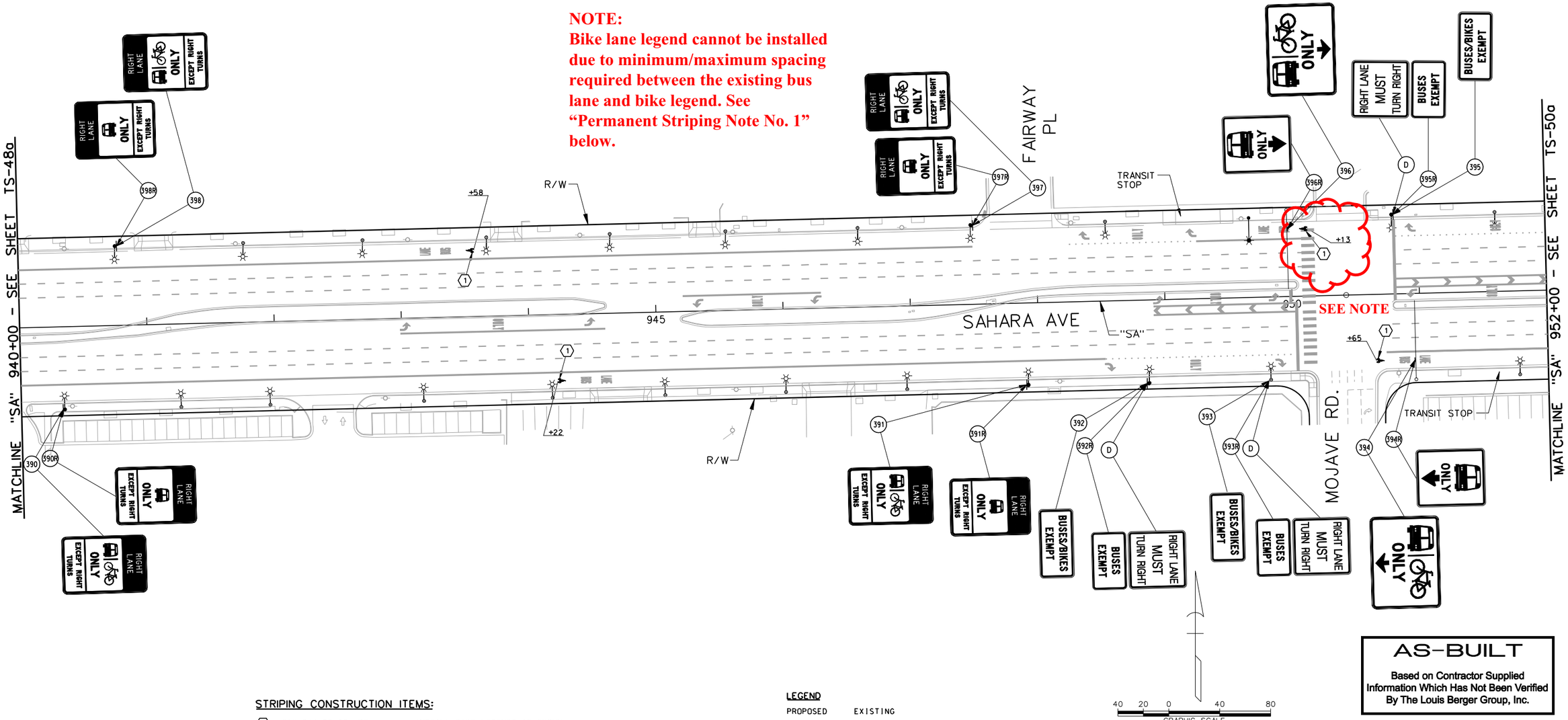
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-49a
Sheet 353a of 592

AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

NOTE:
Bike lane legend cannot be installed due to minimum/maximum spacing required between the existing bus lane and bike legend. See "Permanent Striping Note No. 1" below.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 944+22.00. RT "SA" 950+65.00. RT "SA" 950+13.00. LT "SA" 943+58.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

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AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
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REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 940+00 to "SA" 952+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

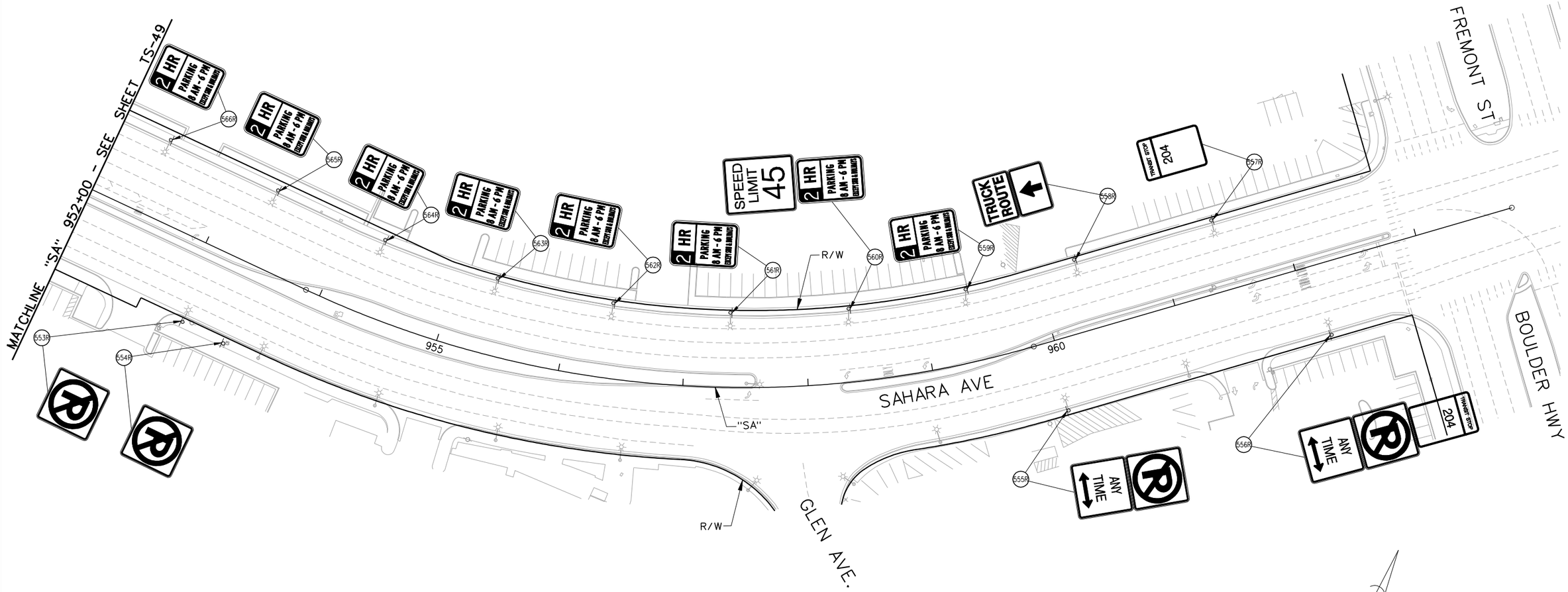
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

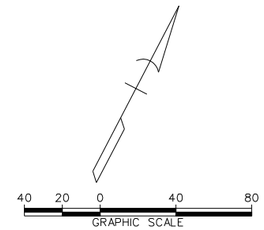
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-49a

AS-BUILT - 09.30.2013





LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

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2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN REMOVAL PLAN

"SA" 952+00 to "SA" 962+79.68

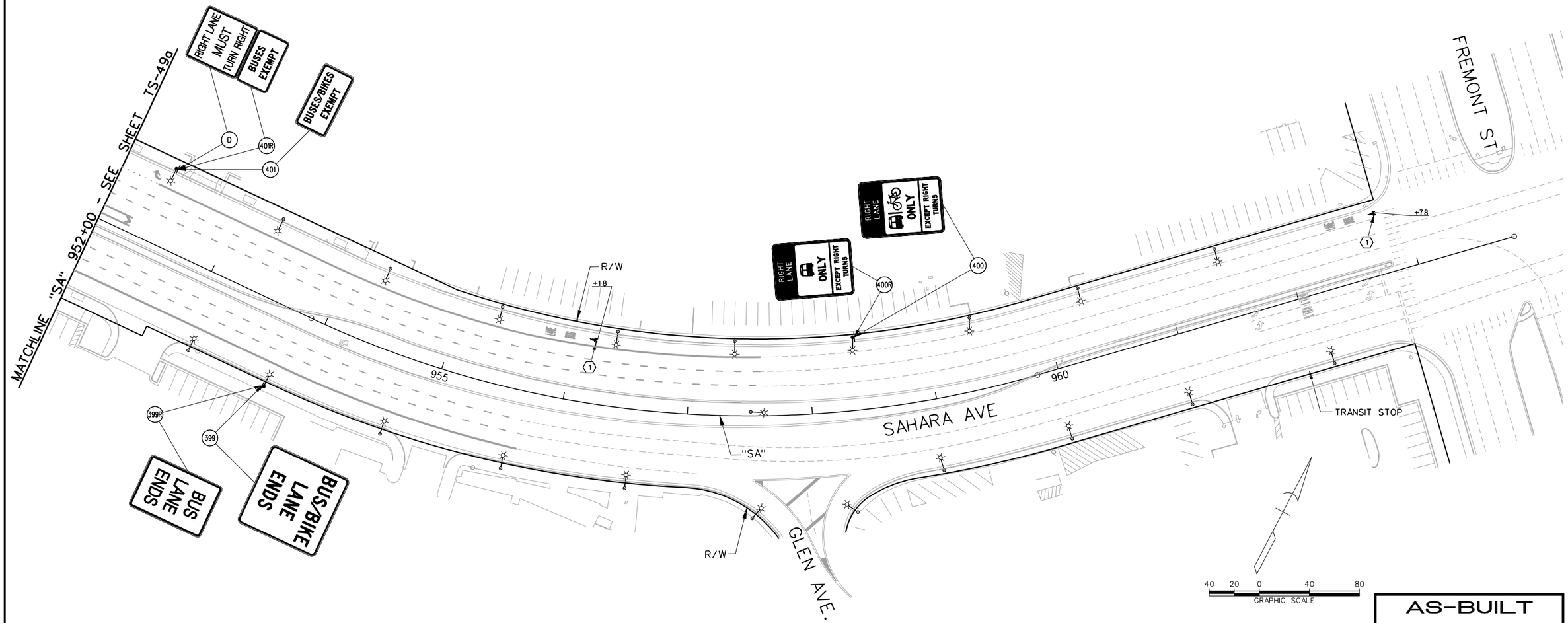
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-50



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

STRIPING CONSTRUCTION ITEMS:

(1)	"SA" 962+78.00. LT "SA" 956+18.00. LT	INSTALL BIKE LEGENDS AS SHOWN USING TYPE 2 PAVEMENT MARKINGS. SEE DETAIL ON SHEET TS-52.

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig
Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

"SA" 952+00 to "SA" 962+79.68

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

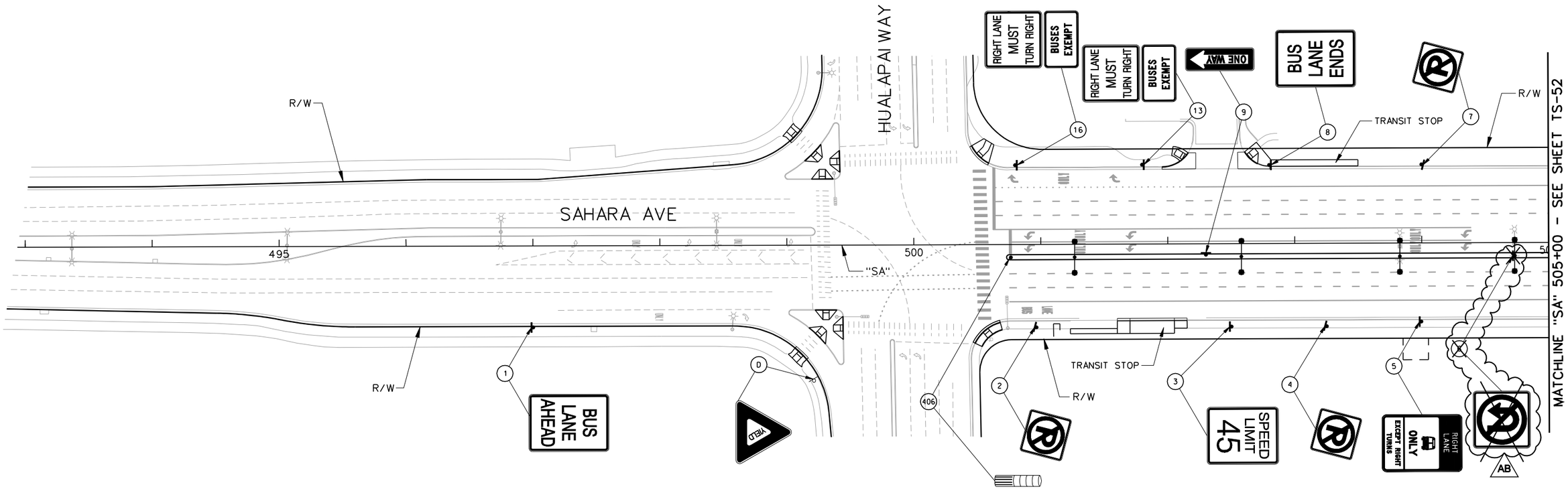
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

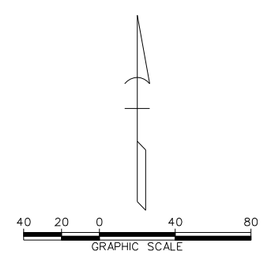
SHEET No. TS-50a

Sheet 354a of 592

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013





LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND NATIONAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 493+00 to "SA" 505+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

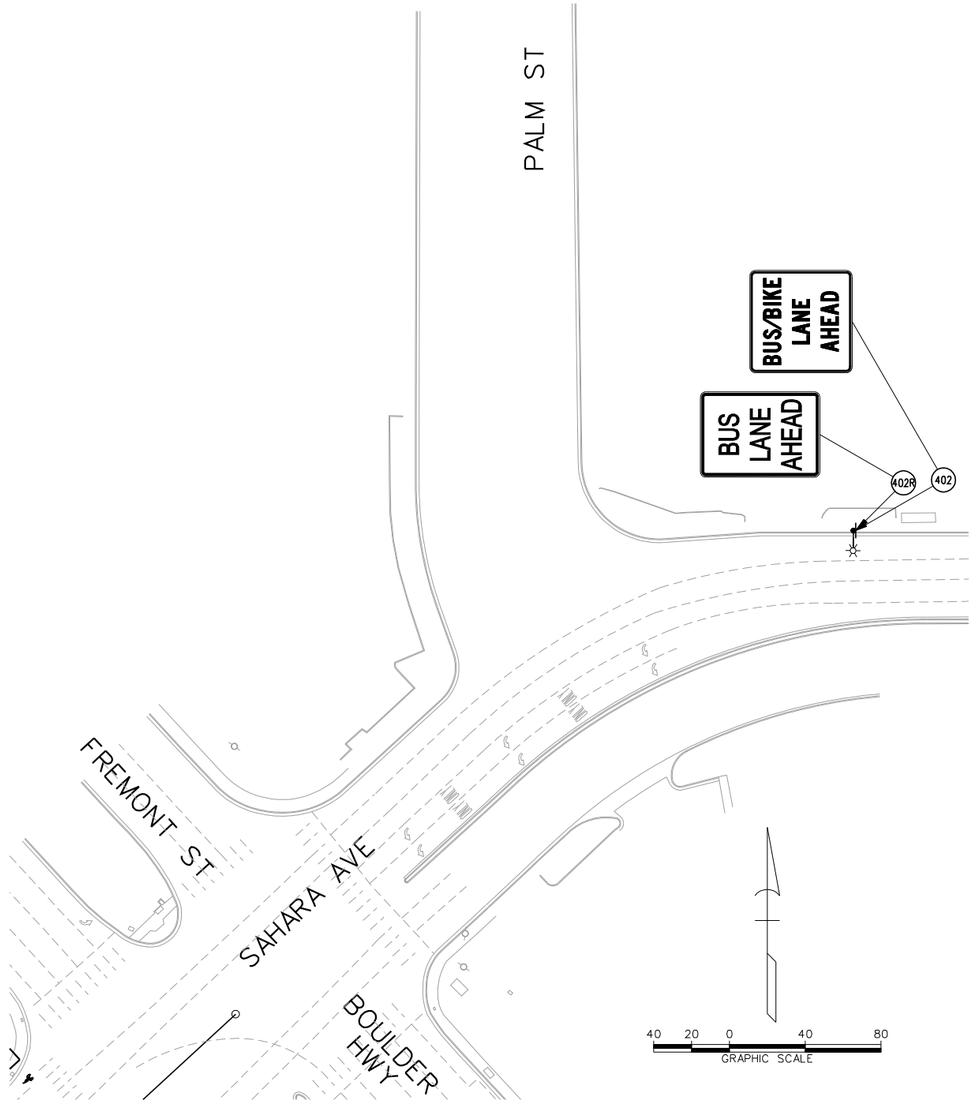
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-51

Sheet 355 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
		- SIGN MOUNTED ON TRAFFIC SIGNAL MAST ARM
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT STRIPING NOTE:

1. CALL OUTS FOR BIKE LEGENDS ARE APPROXIMATE. INSTALL BIKE LEGEND A MINIMUM OF 8 FEET, MAXIMUM OF 12 FEET (PREFERRED) FROM BOTTOM OF EXISTING BUS LEGEND. IF ANY BIKE LEGEND FALLS WITHIN ANY PORTION OF A X-WALK THAT BIKE LEGEND SHALL NOT BE INSTALLED.

PERMANENT SIGNING NOTES:

1. NEW PERMANENT SIGN PANEL SHALL REPLACE EXISTING SIGN PANEL AND BE INSTALLED ON EXISTING SIGN POST, LIGHT POLE OR TRAFFIC SIGNAL MAST ARM.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.
3. ALL NEW SIGNS SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM.

Call before you Dig — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL — Call 811 or 1-800-227-2600

FAST — Call before you UnderGround — 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL — CALL BEFORE YOU DO OVERHEAD — 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGNING & STRIPING INSTALLATION PLAN

BUS STOP - SAHARA AVENUE AND PALM STREET

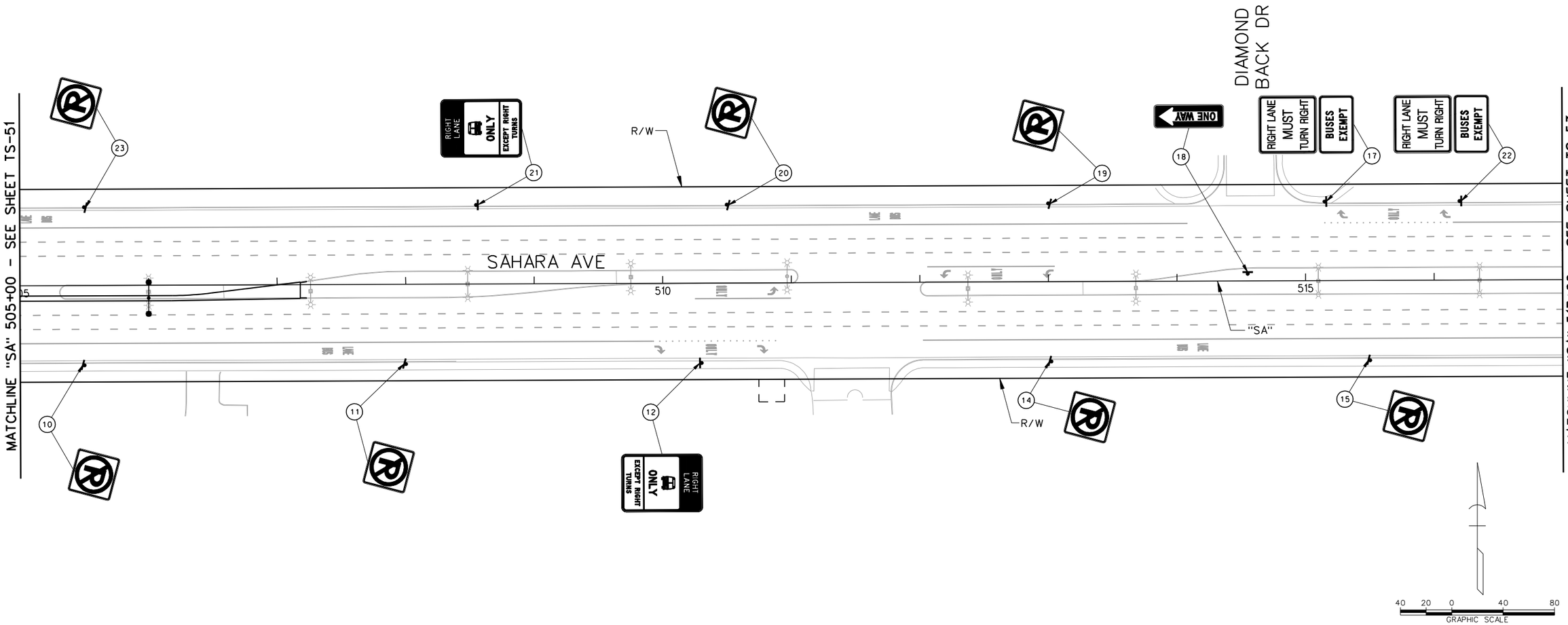
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-51a



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼— OR ✶—	☼—	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 OR 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND NATIONAL SYSTEM OF TRANSPORTATION — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 505+00 to "SA" 517+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

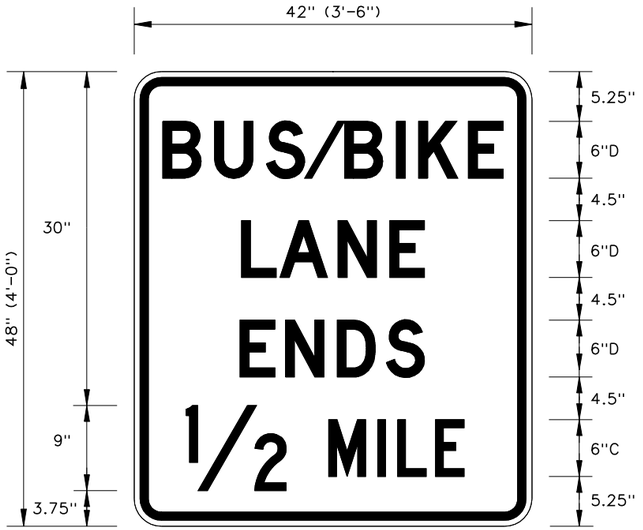
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-52

Sheet 356 of 592

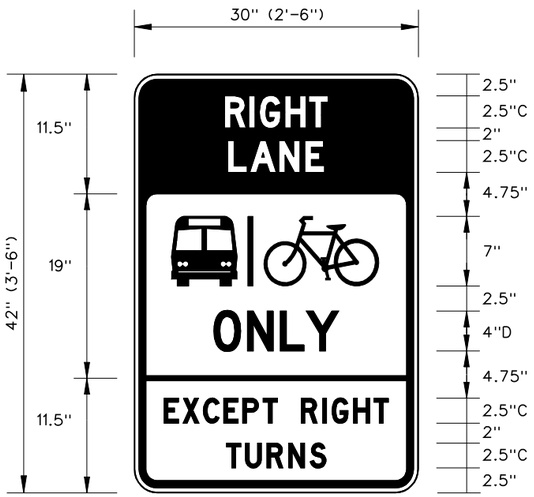
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



R3-12h (MOD)

LEGEND & BORDER – BLACK
BACKGROUND – WHITE
CORNER RADIUS – 2.25"
BORDER THICKNESS – 0.875"
MARGIN – 0.625"



SP-1 (MOD)

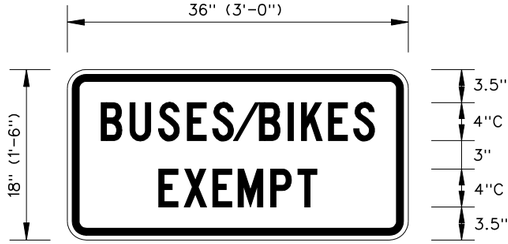
UPPER SECTION
LEGEND – WHITE
BACKGROUND – BLACK

LOWER SECTION
LEGEND & BORDER – BLACK
BACKGROUND – WHITE
CORNER RADIUS – 1.875"
BORDER THICKNESS – 0.75"
MARGIN – 0.5"



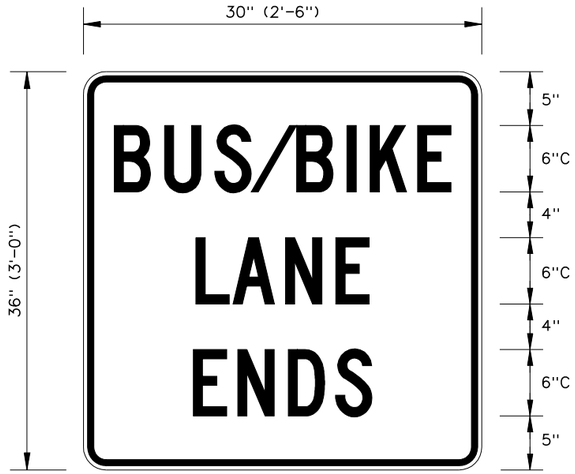
R3-12f (MOD)

LEGEND & BORDER – BLACK
BACKGROUND – WHITE
CORNER RADIUS – 1.875"
BORDER THICKNESS – 0.75"
MARGIN – 0.5"



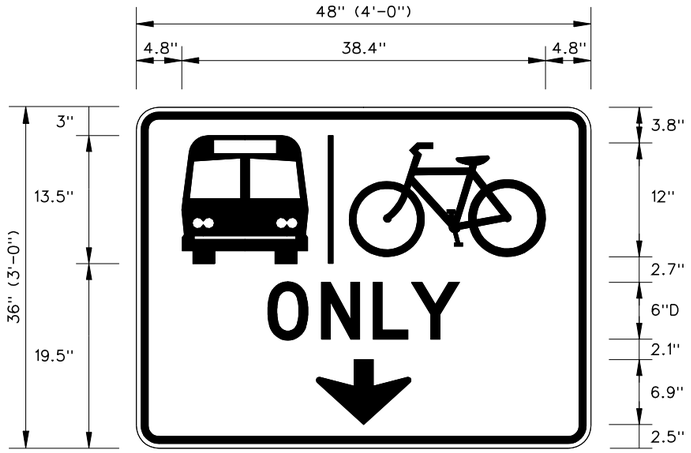
R3-BE (MOD)

LEGEND & BORDER – BLACK
BACKGROUND – WHITE
CORNER RADIUS – 1.50"
BORDER THICKNESS – 0.75"
MARGIN – 0.5"



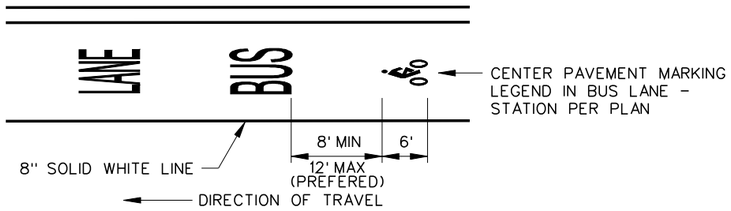
R3-12g (MOD)

LEGEND & BORDER – BLACK
BACKGROUND – WHITE
CORNER RADIUS – 1.875"
BORDER THICKNESS – 0.75"
MARGIN – 0.5"



SP-2 (MOD)

LEGEND & BORDER – BLACK
BACKGROUND – WHITE
CORNER RADIUS – 1.875"
BORDER THICKNESS – 0.75"
MARGIN – 0.5"



BIKE MARKINGS DETAIL
(NOT TO SCALE)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

AS-BUILT - 09.30.2013

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN FORMATS

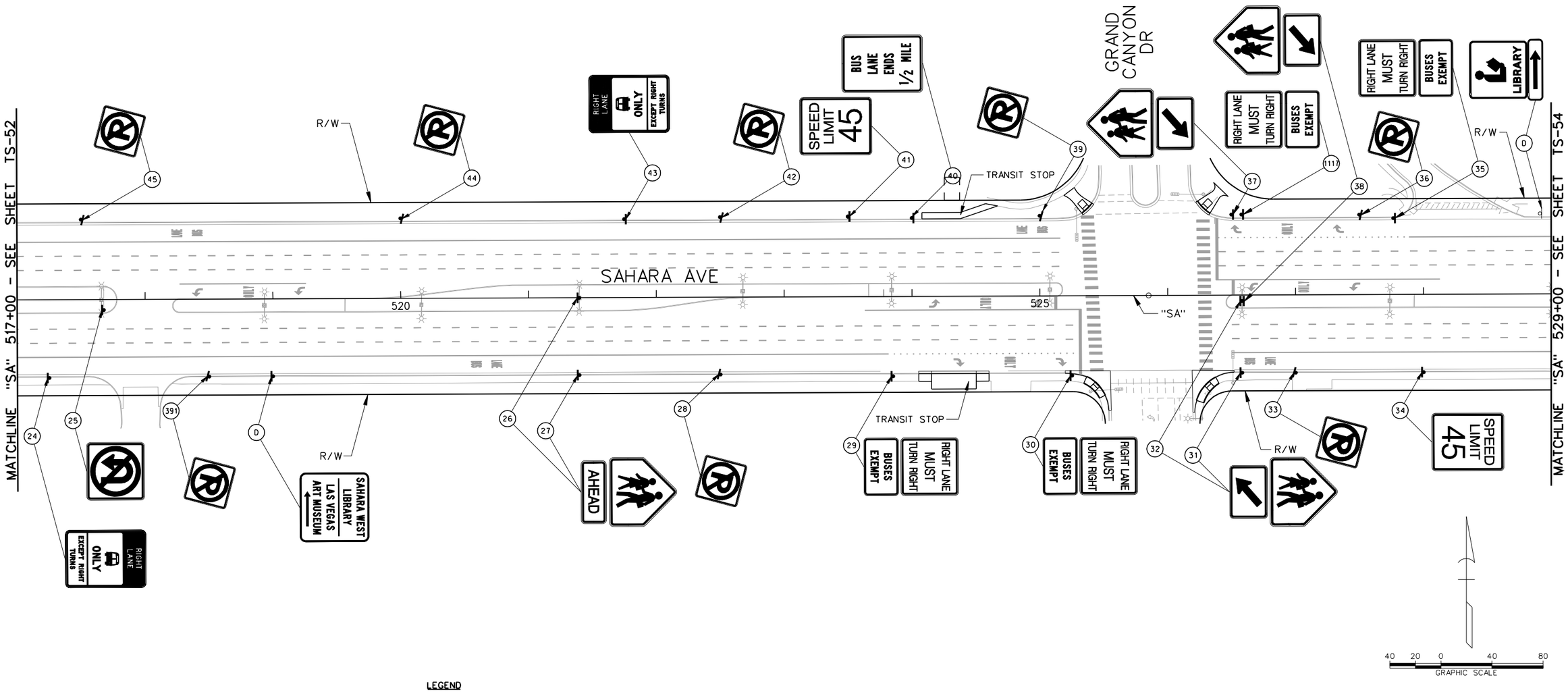
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	ELC
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No.
TS-52a
Sheet 356a of 592



LEGEND

PROPOSED	EXISTING	
▶	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 517+00 to "SA" 529+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-53

Sheet 357 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Message	Sign Area (Sq Ft)	Panel Size (In x In)	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	BUS - LANE - AHEAD	8.75	30 X 42	RT	"SA" 497+00	1R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 504+00	2R
627.01	Sahara Avenue	BUS - LANE - ENDS	8.75	30 X 42	LT	"SA" 502+80	3R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 500+80	4R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 501+80	5R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 500+41	6R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 516+25	7R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 516+20	8R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 515+20	9R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 508+90	10R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 517+20	11R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 523+90	12R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 525+00	13R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 526+50	14R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 527+90	15R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 528+90	16R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 525+28	17R
627.01	Sahara Avenue	BUS - LANE - ENDS - 1/2 MILE	8.75	30 X 42	LT	"SA" 524+00	18R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 521+80	19R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 530+00	20R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 538+80	21R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 539+00	22R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 538+62	23R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 540+50	24R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 539+15	25R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 537+67	26R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 534+50	27R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 542+35	28R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 548+00	29R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 550+75	30R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 548+40	31R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 542+80	32R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 551+80	33R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 557+00	34R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 560+00	35R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 554+20	36R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 553+80	37R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 564+20	38R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 571+80	39R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 573+20	40R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 568+10	41R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 578+80	42R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 579+90	43R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 579+80	44R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 585+80	45R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 588+80	46R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 579+00	47R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 593+00	48R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 579+80	49R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 596+30	50R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 597+42	51R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 598+80	52R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 597+85	53R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 596+48	54R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 603+00	55R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 601+10	56R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 605+75	57R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 607+10	58R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 609+55	59R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 610+00	60R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 609+80	61R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 607+17	62R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 603+70	63R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 603+28	64R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 601+80	65R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 612+00	66R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 618+80	67R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 620+80	68R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 619+75	69R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 619+75	70R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 612+90	71R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 623+80	72R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 626+20	73R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 624+45	74R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 631+70	75R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 632+15	76R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 631+00	77R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 629+50	78R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 625+90	79R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 624+50	80R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 633+80	81R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 638+10	82R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 638+30	83R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 648+00	84R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 643+70	85R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 637+00	86R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 639+75	87R
627.01	Sahara Avenue Mounted on Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 639+90	88R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 633+72	89R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 651+40	90R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 652+90	91R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 653+80	92R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 650+10	93R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 658+40	94R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 659+80	95R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 660+25	96R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 665+50	97R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 664+00	98R

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE

09.30.2013

AS-BUILT - 09.30

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

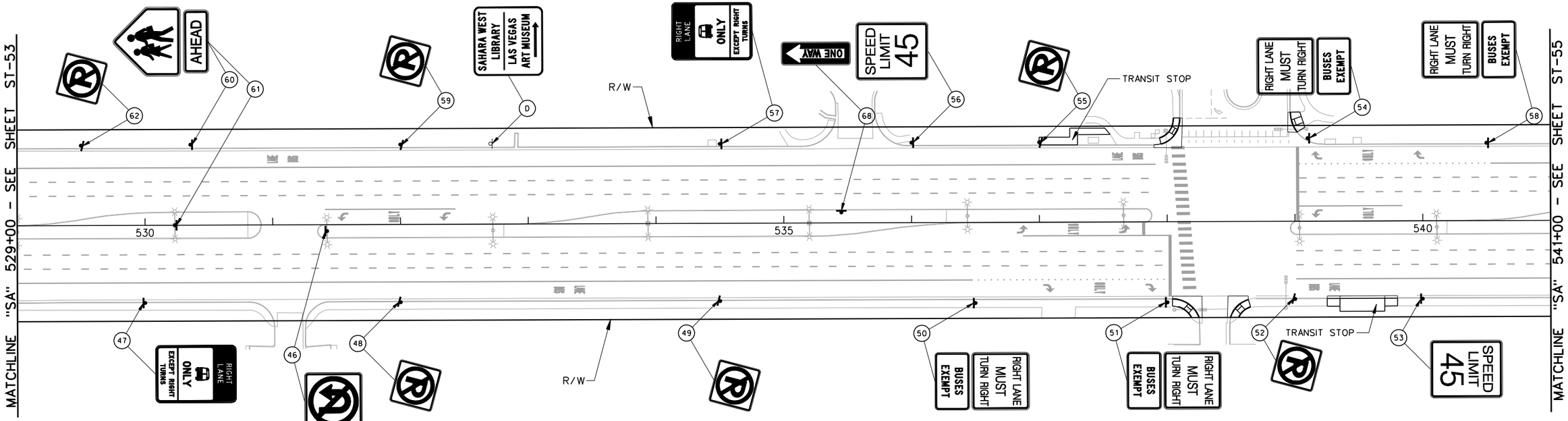
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK :
NONE

SHEET No.
TS-53a

Sheet 357a of 592



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR ✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 529+00 to "SA" 541+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-54

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (In x In)	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 662+00	99R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"SA" 657+00	100R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 661+65	101R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 660+39	102R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"SA" 671+70	103R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"SA" 678+30	104R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 679+50	105R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 680+50	106R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"SA" 677+00	107R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"SA" 670+50	108R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 687+05	109R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 685+30	110R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"SA" 690+40	111R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 692+80	112R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"SA" 690+30	113R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 689+70	114R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 688+30	115R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"SA" 683+90	116R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 688+33"	117R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 687+08	118R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 693+80	119R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"SA" 698+00	120R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 699+45	121R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 700+45	122R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"SA" 703+10	123R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"SA" 697+00	124R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"SA" 705+00	125R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"SA" 711+35	126R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 712+40	127R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 713+50	128R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"Pe" 33+66	129R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 713+48	130R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"SA" 710+00	131R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"Pe" 37+00	132R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"Pe" 43+50	133R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"Pe" 42+50	134R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 36+60	135R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 35+30	136R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"Pe" 50+00	137R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 51+50	138R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 52+30	139R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"Pe" 56+80	140R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 57+40	141R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"Pe" 55+60	142R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"Pe" 48+50	143R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 58+85	144R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"Pe" 60+00	145R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"Pe" 63+40	146R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"Pe" 68+25	147R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 61+25	148R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 60+00	149R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"Pe" 58+97	150R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 70+10	151R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 71+50	152R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"Pe" 76+00	153R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 77+00	154R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 78+00	155R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 74+10	156R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 72+90	157R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 82+60	158R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 84+15	159R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"Pe" 85+74	160R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"Pe" 89+00	161R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 92+70	162R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe"91+70	163R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"Pe" 89+10	164R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 87+05	165R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 85+80	166R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"Pe" 84+08	167R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"Pe" 81+50	168R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"Pe" 95+50	169R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 96+00	170R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 97+05	171R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 102+20	172R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 103+25	173R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 104+50	174R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"Pe" 99+60	175R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 99+00	176R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 98+00	177R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"Pe" 93+00	178R
						(LEFT BLANK INTENTIONALLY)	179R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 108+00	180R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 109+55	181R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"Pe" 110+82	182R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"Pe" 114+10	183R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 112+10	184R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 110+90	185R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"Pe" 109+55	186R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	LT	"Pe" 106+30	187R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 105+60	188R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	9.75	30 X 42	RT	"Pe" 120+50	189R
						(LEFT BLANK INTENTIONALLY)	190R
						(LEFT BLANK INTENTIONALLY)	191R
						(LEFT BLANK INTENTIONALLY)	192R
						(LEFT BLANK INTENTIONALLY)	193R
						(LEFT BLANK INTENTIONALLY)	194R
						(LEFT BLANK INTENTIONALLY)	195R
						(LEFT BLANK INTENTIONALLY)	196R

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	R.JP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1088 DRAWN BY: GFV
DESIGNED BY: N.G CHECKED BY: RJP
APPROVED BY: RJP

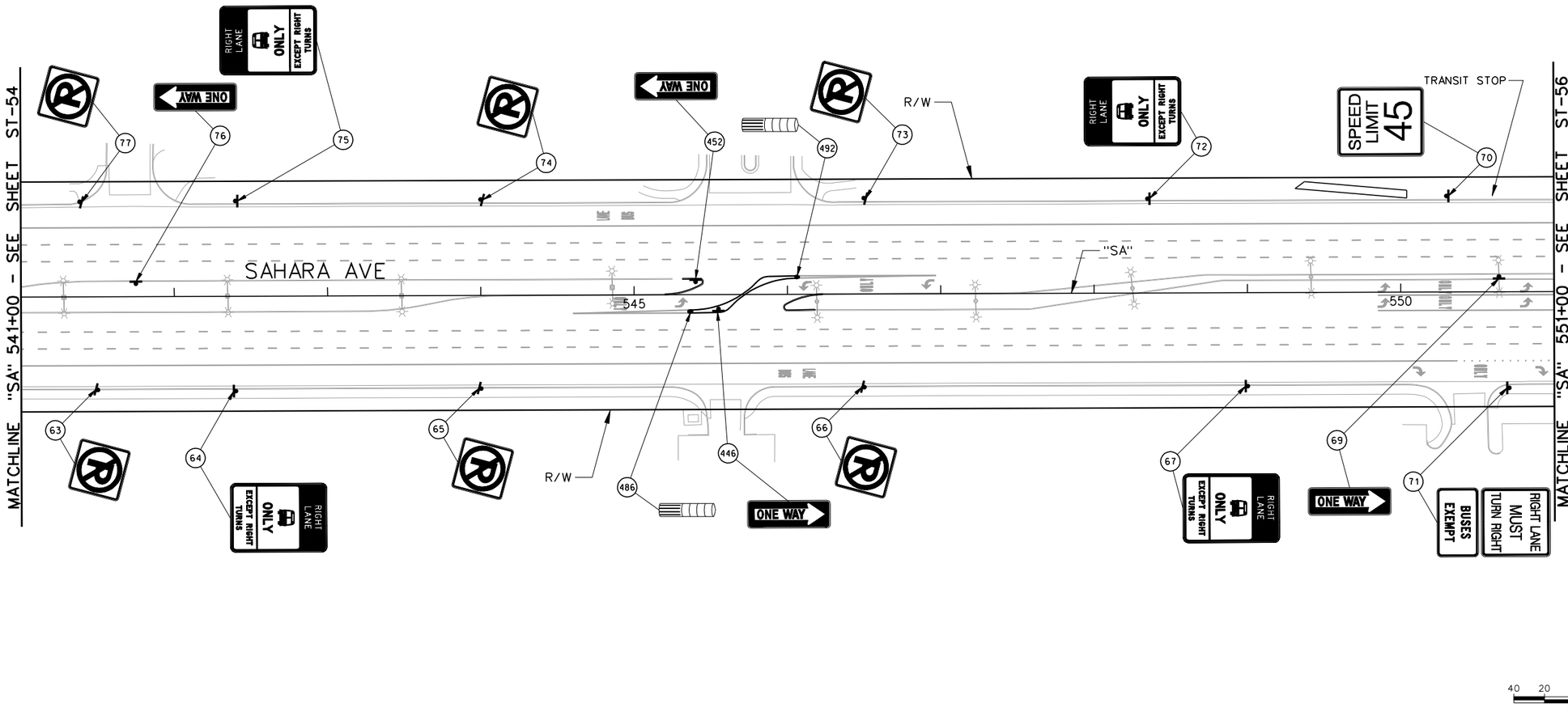
THE Louis Berger Group, INC.
990 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 798-6936 • FAX: (702) 795-5704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-54a

Sheet 358a of 592

AS-BUILT - 09.30.2013



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 541+00 to "SA" 551+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-55

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (In x In)	Loc	Sign Station	Inst No.
						(LEFT BLANK INTENTIONALLY)	197R
						(LEFT BLANK INTENTIONALLY)	198R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 121+40	199R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 122+30	200R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"Pe" 127+35	201R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 124+80	202R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 123+50	203R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"Pe" 117+20	204R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 133+40	205R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 134+50	206R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"Pe" 158+56	207R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"Pe" 139+00	208R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"Pe" 134+81	209R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"Pe" 132+00	210R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"Pe" 146+00	211R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"Pe" 152+70	212R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"Pe" 149+50	213R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"Pe" 142+90	214R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 158+05	215R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 159+50	216R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"Pe" 162+80	217R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 161+90	218R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"Pe" 160+51	219R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 160+95	220R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"Pe" 159+65	221R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"Pe" 155+40	222R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"Pe" 171+15	223R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 175+30	224R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 176+00	225R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 175+50	226R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 174+70	227R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"Pe" 171+85	228R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"Pe" 165+50	229R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"Pe" 165+50	230R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 184+60	231R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 185+45	232R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"Pe" 187+41	233R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 187+35	234R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"Pe" 185+98	235R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"Pe" 184+25	236R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 179+00	237R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 178+60	238R
627.01	Sahara Avenue	BUS - LANE - ENDS - 1/2 MILE	8.75	30 X 42	RT	"Pe" 188+70	239R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"Pe" 190+70	240R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 196+50	241R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 196+40	242R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"Pe" 198+50	243R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 196+10	244R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 195+20	245R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"Pe" 191+80	246R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 188+85	247R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 200+45	248R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 202+00	249R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"Pe" 205+00	250R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 210+70	215R
627.01	Sahara Avenue	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"Pe" 208+70	252R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 205+45	253R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 203+00	254R
627.01	Sahara Avenue Mounted on Street Light Pole	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"Pe" 202+86	255R
627.01	Sahara Avenue Mounted on Street Light Pole	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"Pe" 201+67	256R
627.01	Sahara Avenue	BUS - LANE - ENDS	8.75	30 X 42	RT	"Pe" 211+50	257R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"Pe" 212+25	258R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 220+00	259R
627.01	Sahara Avenue	BUS - LANE - AHEAD	8.75	30 X 42	LT	"Pe" 217+00	260R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 215+70	261R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"Pe" 213+45	262R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"Pe" 212+27	263R
627.01	Sahara Avenue	BUS - LANE - AHEAD	8.75	30 X 42	RT	"SA" 803+00	264R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 809+05	265R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 811+00	266R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 812+85	267R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 817+60	268R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 818+55	269R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 819+35	270R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 819+55	271R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 818+30	272R
627.01 627.01	Sahara Avenue Mounted on Street Light Pole	BUS - LANE - ENDS BUSES - EXEMPT	8.75 3.75	30 X 42 30 X 18	LT	"SA" 815+50	273R 274R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 814+25	275R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 812+60	276R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 811+50	277R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 809+85	278R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 808+85	279R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 821+40	280R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 822+50	281R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 824+05	282R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 825+15	283R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 826+30	284R

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO. | DATE | DESCRIPTION | APPROVED
1 | 9/30/13 | AS-BUILT | RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

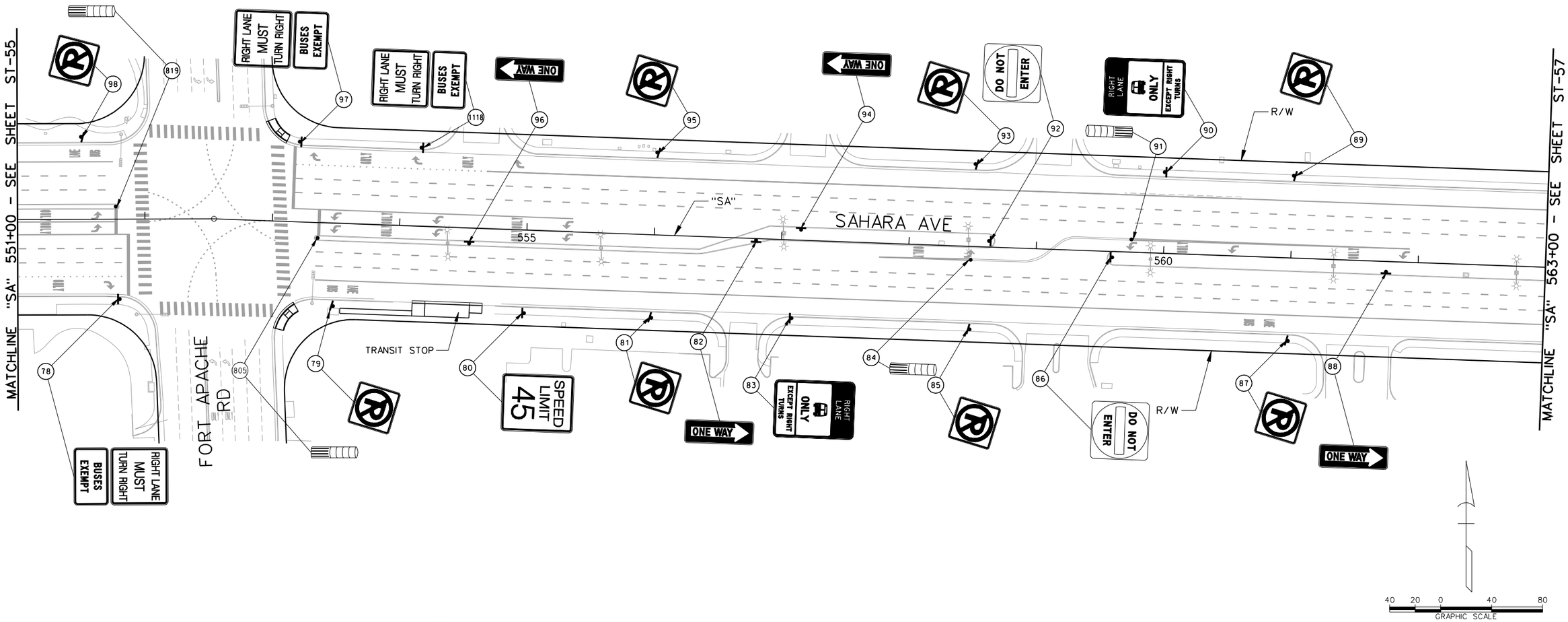
PROJECT No: CB 1088 DRAWN BY: GFV
DESIGNED BY: N.G CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
990 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 798-6936 • FAX: (702) 795-0704

SCALE
HORIZ.: NONE
VERT.: NONE
FIELD BOOK: NONE

SHEET No.
TS-55a

Sheet 359a of 592



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
(XR)		- EXISTING SIGN TO BE REMOVED AND SALVAGED
(D)		- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSALLATION PLAN

"SA" 551+00 to "SA" 563+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-56

Sheet 360 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (In x In)	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 826+30	285R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 829+12	286R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 830+30	287R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 831+10	288R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 833+00	289R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 830+10	290R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 829+15	291R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 828+26	292R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 827+45	293R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 826+60	294R
627.01 627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS BUSES - EXEMPT	8.75 3.75	30 X 42 30 X 18	LT	"SA" 833+00	295R 296R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 824+30	297R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"Pe" 72+68	298R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"Pe" 71+73"	299R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 805+02	300R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 814+00	301R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 813+22	302R
627.01	Sahara Avenue Mount on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 832+80	303R
627.01	Sahara Avenue Mount on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 833+80	304R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 838+75	305R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 840+75	306R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 841+85	307R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 843+20	308R
627.01	Sahara Avenue Mount on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 843+00	309R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 840+79	310R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 838+50	311R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 845+30	312R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 846+25	313R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 845+20	314R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 851+70	315R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 855+35	316R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 854+20	317R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 853+15	318R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 847+45	319R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 852+35	320R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 856+10	321R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 857+79	322R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 863+05	323R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 867+10	324R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 865+20	325R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 864+35	326R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 861+40	327R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 859+60	328R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 858+55	329R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 856+32	330R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 868+80	331R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 869+76	332R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 876+40	333R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 876+95	334R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 874+00	335R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 873+10	336R
627.01	Sahara Avenue Mounted on Street Light Ploe	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 871+10	337R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 870+15	338R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 869+83"	339R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 869+10	340R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 882+15	341R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 889+40	342R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 890+50	343R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 887+10	344R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 886+20	345R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 885+25	346R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 884+25	347R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 882+70	348R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 880+70	349R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 895+45	350R
627.01	Sahara Avenue	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 897+25	351R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 898+33"	352R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 900+40	353R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 903+65	354R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 902+00	355R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 901+00	356R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 899+95	357R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 898+40	358R

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

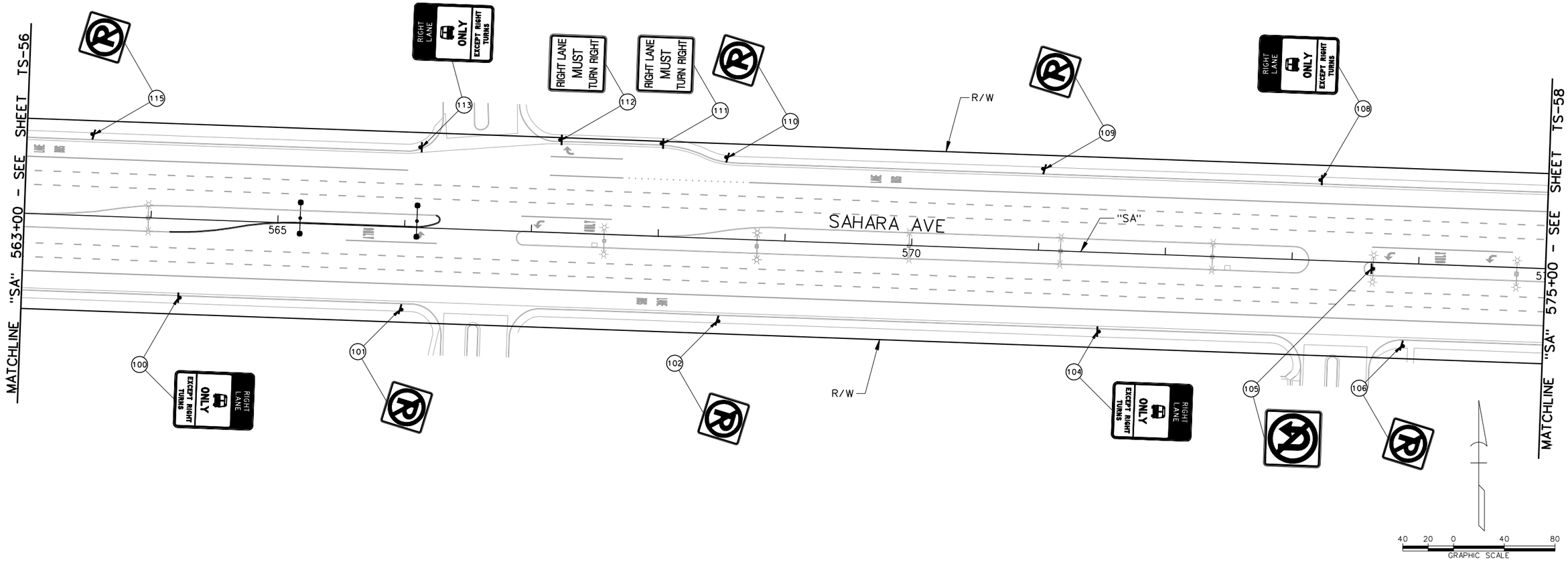
PROJECT No: CB 1088 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
990 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 798-6936 • FAX: (702) 795-5704

SCALE
HORIZ.: NONE
VERT.: NONE
FIELD BOOK: NONE

SHEET No.
TS-56a

Sheet 360a of 592



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 563+00 to "SA" 575+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RFP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-57

Sheet 361 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Message	Sign Area (Sq Ft)	Panel Size (In x In)	Loc	Sign Station	Inst No.
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 897+65*	359R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 898+60	360R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 908+50	361R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 910+00	362R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 911+65	363R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 915+15	364R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 909+50	365R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 912+15	366R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 916+25*	367R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 908+80	368R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 909+25	369R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 904+35	370R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 919+25	371R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 921+95	372R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 922+45	373R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 923+45	374R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 924+65	375R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 925+35	376R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 928+45	377R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 928+80	378R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 924+70	379R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 923+60	380R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 921+70	381R
627.01	Sahara Avenue Mounted on Street Light Pole	BUS - LANE - ENDS - 1/2 MILE	8.75	30 X 42	RT	"SA" 929+10	382R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 934+90	383R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 936+80	384R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 937+68	385R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 937+85	386R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	LT	"SA" 937+90	387R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 938+89	388R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 933+85	389R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 940+35	390R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	RT	"SA" 947+90	391R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 948+85	392R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 949+80	393R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	RT	"SA" 950+98	394R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES - EXEMPT	3.75	30 X 18	RT	"SA" 950+80	395R
627.01	Sahara Avenue Mounted on Signal Mast Arm	BUS (SYMBOL) - ONLY - DOWN ARROW	7.50	30 X 36	LT	"SA" 949+97	396R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 947+80	397R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 946+80	398R
627.01	Sahara Avenue Mounted on Street Light Pole	BUS - LANE - ENDS	8.75	30 X 42	LT	"SA" 953+75	399R
627.01	Sahara Avenue Mounted on Street Light Pole	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	LT	"SA" 958+40	400R
627.01	Sahara Avenue Mounted on Street Light Pole	BUSES EXEMPT	3.75	30 X 18	LT	"SA" 952+40	401R
627.01	Sahara Avenue Mounted on Street Light Pole	BUS - LANE - AHEAD	8.75	30 X 42	RT	-	402R

AS-BUILT

Based on Contractor Supplied
Information Which Has Not Been Verified
By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

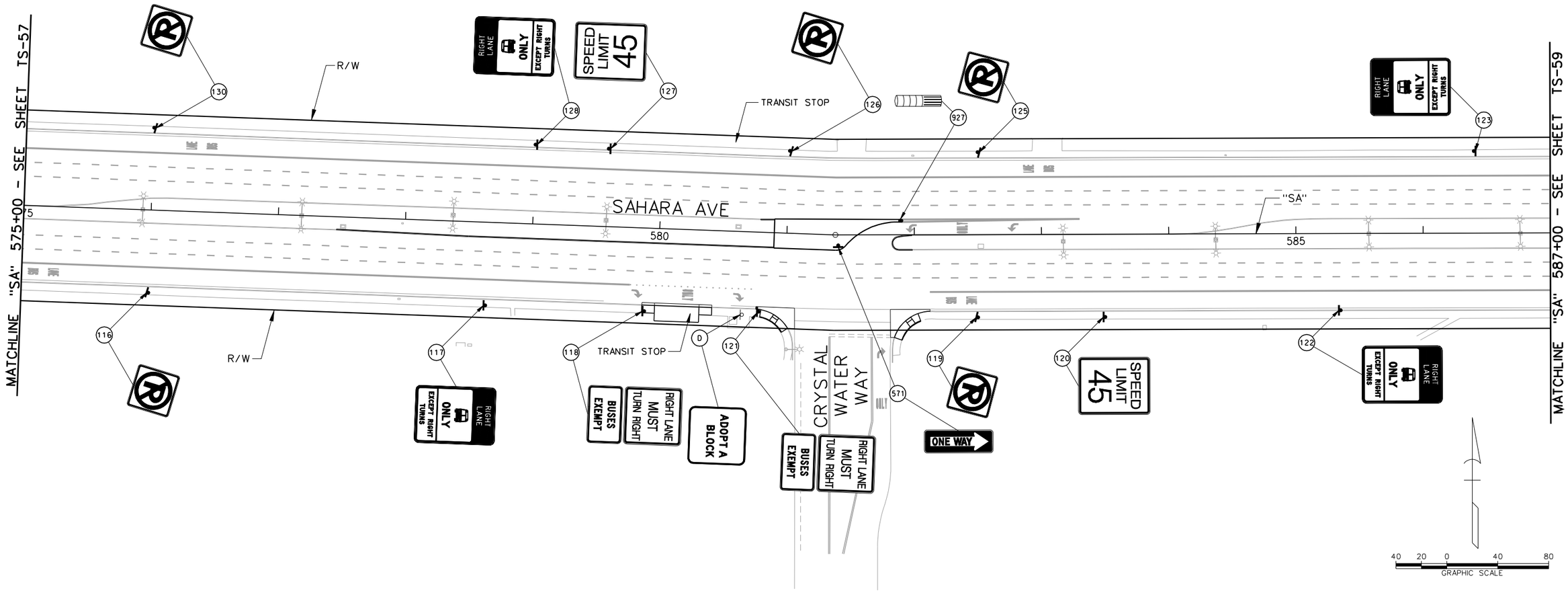
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK :
NONE

SHEET No.
TS-57a

AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 OR 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 575+00 to "SA" 587+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RFP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-58

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUS/BIKE - LANE - AHEAD	7.50	30 X 36	R3-12f(MOD)	RT	"SA" 497+00	1
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 504+00	2
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUS/BIKE - LANE - ENDS	7.50	30 X 36	R3-12g(MOD)	LT	"SA" 502+80	3
								(LEFT BLANK INTENTIONALLY)						4
								(LEFT BLANK INTENTIONALLY)						5
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 500+61	6
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 510+25	7
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 516+20	8
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 515+20	9
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 508+50	10
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 517+20	11
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 523+80	12
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 525+00	13
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 526+50	14
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 527+80	15
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 526+60	16
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 525+28	17
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUS/BIKE - LANE - ENDS - 1/2 MILE	14.00	42 X 48	R3-12h(MOD)	LT	"SA" 524+00	18
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 521+80	19
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 530+00	20
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 536+50	21
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 538+00	22
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 538+92	23
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 540+50	24
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 539+15	25
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 537+97	26
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 534+50	27
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 542+35	28
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 549+00	29
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 550+75	30
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 548+40	31
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 542+50	32
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 551+80	33
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 557+00	34
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 560+00	35
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 554+20	36
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 553+50	37
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 564+20	38
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 571+50	39
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 573+20	40
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 568+10	41
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 578+50	42
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 579+90	43
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 585+00	44
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 585+50	45
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 586+50	46
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 579+00	47
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 593+00	48
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 595+00	49
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 596+30	50
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 597+42	51
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 595+90	52
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 597+55	53
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 596+48	54
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 593+00	55
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 601+10	56
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 605+75	57
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 607+10	58
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 608+55	59
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 610+00	60
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 608+60	61
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 607+17	62
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 603+70	63
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 553+28	64
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 551+80	65
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 612+00	66
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 618+50	67
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 620+50	68
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 619+75	69
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 618+75	70
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 612+00	71
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 625+50	72
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 632+20	73
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 624+45	74
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 631+70	75
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 632+15	76
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 631+00	77
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 629+50	78
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 625+50	79
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 624+50	80
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 633+80	81
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 635+10	82
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 638+30	83
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 645+00	84
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 643+70	85
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 637+00	86
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 636+75	87
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 635+00	88
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 633+72	89
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 651+40	90
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 652+90	91
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 653+80	92
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 650+10	93
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 658+40	94
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 658+80	95
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 660+25	96
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 665+50	97
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 664+00	98
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 662+00	99

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	R.P

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1088 DRAWN BY: GFV
DESIGNED BY: N.G CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 796-6936 • FAX: (702) 795-0704

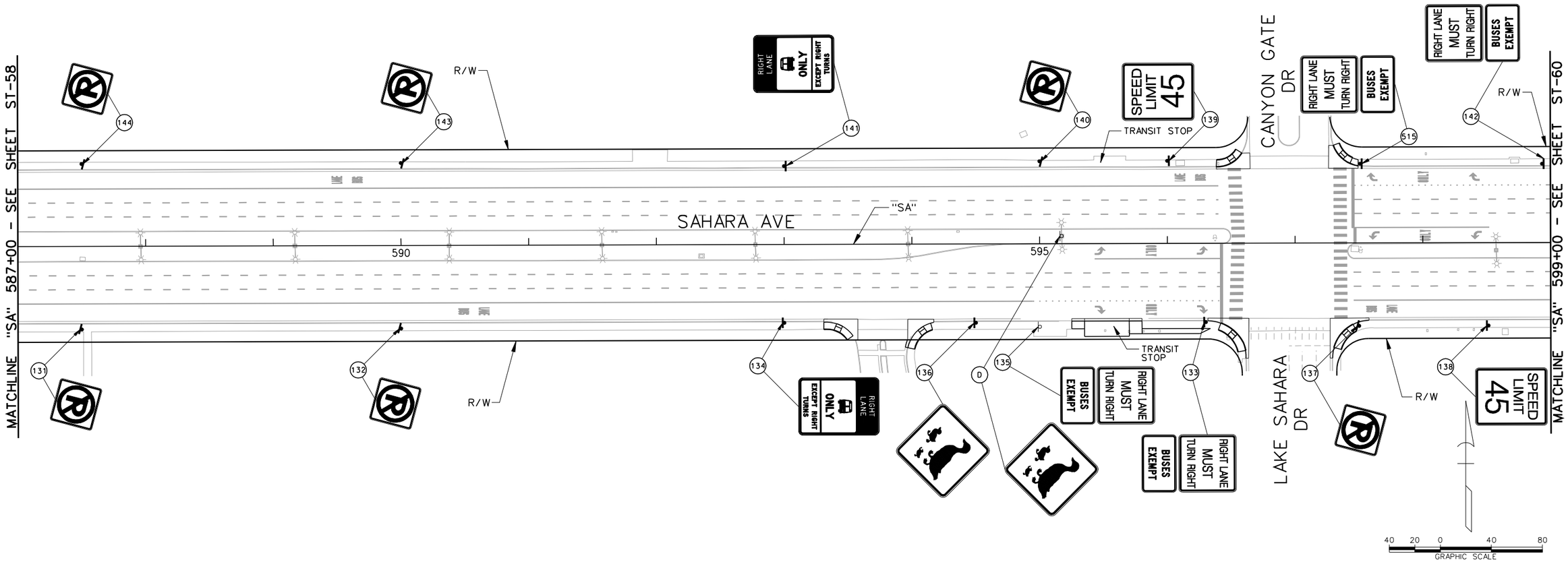
SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-58a

Sheet 362a of 592

AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 587+00 to "SA" 599+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-59

Sheet 363 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 657+00	100
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 661+65	101
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 660+39	102
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 671+70	103
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 678+30	104
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 679+50	105
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 680+50	106
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 677+00	107
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 670+50	108
627.02	Sahara Avenue Mount on Street Light Ploe	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 685+30	109
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 687+05	110
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 690+40	111
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 692+80	112
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 690+30	113
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 689+70	114
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 688+30	115
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 683+90	116
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 688+33	117
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 687+08	118
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 693+80	119
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 698+00	120
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 699+45	121
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 700+45	122
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 703+10	123
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 697+00	124
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 705+00	125
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 711+35	126
627.02	Sahara Avenue Mount on Street Light Ploe	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 712+40	127
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 713+50	128
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"Pe" 33+66	129
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 713+48	130
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 710+00	131
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 37+00	132
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 43+80	133
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 42+50	134
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 36+60	135
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 35+30	136
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 50+00	137
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 51+50	138
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 52+30	139
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 56+80	140
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 57+40	141
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 55+60	142
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 48+50	143
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 58+85	144
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"Pe" 60+00	145
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 63+40	146
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 68+25	147
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 61+25	148
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 60+00	149
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"Pe" 58+07	150
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 70+10	151
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 71+50	152
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 76+00	153
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 77+00	154
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 78+00	155
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 74+10	156
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 72+90	157
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 82+60	158
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 84+15	159
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"Pe" 90+00	160
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 89+00	161
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 92+70	162
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe"91+70	163
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 89+10	164
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 87+05	165
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 85+80	166
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"Pe" 84+08	167
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 81+50	168
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 95+30	169
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 96+00	170
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 97+05	171
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 102+20	172
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 103+25	173
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 104+50	174
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 99+60	175
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 99+00	176
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 98+00	177
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 93+00	178
													(LEFT BLANK INTENTIONALLY)	179
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 108+00	180
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 109+55	181
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"Pe" 110+82	182
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 114+10	183
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 112+10	184
627.02	Sahara Avenue				EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 110+90	185
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	- 7'-0	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"Pe" 109+55	186
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 106+30	187
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 105+60	188
627.02	Sahara Avenue				EXISTING POST		C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 120+50	189
													(LEFT BLANK INTENTIONALLY)	190
													(LEFT BLANK INTENTIONALLY)	191
													(LEFT BLANK INTENTIONALLY)	192
													(LEFT BLANK INTENTIONALLY)	193
													(LEFT BLANK INTENTIONALLY)	194
													(LEFT BLANK INTENTIONALLY)	195
													(LEFT BLANK INTENTIONALLY)	196
													(LEFT BLANK INTENTIONALLY)	197
													(LEFT BLANK INTENTIONALLY)	198

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO. | DATE | DESCRIPTION | APPROVED

1 | 9/30/13 | AS-BUILT | R.P

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

PROJECT No: CB 1088 | DRAWN BY: GFV

DESIGNED BY: N.L.G | CHECKED BY: RJP

APPROVED BY: RJP

THE Louis Berger Group, INC.

600 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119

PHONE: (702) 766-6936 • FAX: (702) 766-0704

SCALE

HORIZ.: NONE

VERT.: NONE

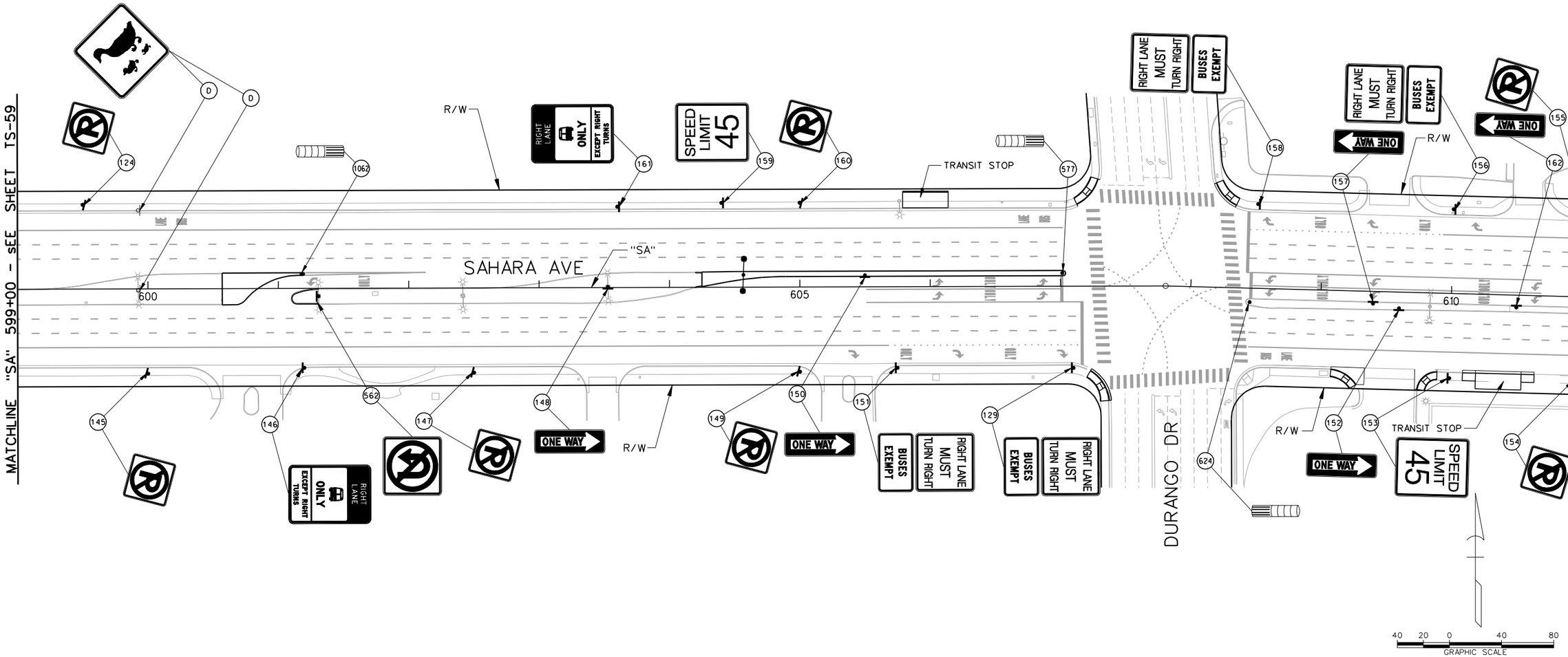
FIELD BOOK: NONE

SHEET No. TS-59a

Sheet 363a of 592

AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND INTERNAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 599+00 to "SA" 611+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-60

Sheet 364 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 121+40	199
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 122+30	200
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 127+35	201
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 124+80	202
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 123+50	203
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 117+20	204
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 133+40	205
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 134+50	206
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"Pe" 158+56	207
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 139+00	208
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"Pe" 134+81	209
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 132+00	210
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 146+00	211
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 152+70	212
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 149+50	213
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 142+90	214
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 158+05	215
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 159+50	216
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 162+60	217
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 161+90	218
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"Pe" 160+51	219
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 160+95	220
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"Pe" 159+65	221
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 155+40	222
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 171+15	223
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 175+30	224
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 161+90	225
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 175+50	226
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 174+70	227
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 171+85	228
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 165+50	229
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 165+50	230
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 184+60	231
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 185+45	232
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"Pe" 187+41	233
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 187+35	234
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"Pe" 185+98	235
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 184+25	236
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 179+00	237
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 176+60	238
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUS/BIKE - LANE - ENDS - 1/2 MILE	14.00	42 X 48	R3-12h(MOD)	RT	"Pe" 188+70	239
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 190+70	240
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 196+50	241
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 198+40	242
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 198+50	243
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 196+10	244
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 195+20	245
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 191+80	246
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 188+85	247
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 200+45	248
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 202+00	249
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"Pe" 205+00	250
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 210+70	251
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"Pe" 208+70	252
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 205+45	253
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 203+00	254
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"Pe" 202+86	255
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"Pe" 201+67	256
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUS/BIKE - LANE - ENDS	7.50	30 X 36	R3-12g(MOD)	LT	"Pe" 211+50	257
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"Pe" 212+25	258
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 220+00	259
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUS/BIKE - LANE - AHEAD	7.50	30 X 36	R3-12f(MOD)	RT	"Pe" 217+00	260
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 215+70	261
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"Pe" 213+45	262
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"Pe" 212+27	263
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUS/BIKE - LANE - AHEAD	7.50	30 X 36	R3-12f(MOD)	RT	"SA" 803+00	264
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 809+05	265
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 811+00	266
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 812+85	267
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 817+60	268
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 818+55	269
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 819+35	270
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 819+55	271
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 818+30	272
627.02 627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUS/BIKE - LANE - ENDS BUSES/BIKES - EXEMPT	7.50 4.50	30 X 36 36 X 18	R3-12g(MOD) R3-BE(MOD)	LT	"SA" 815+50	273 274
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 814+25	275
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 812+60	276
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 811+50	277
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 809+65	278
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 808+65	279
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 821+40	280
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 822+50	281
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 824+05	282
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 825+15	283
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 826+30	284
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 826+30	285
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 829+12	286
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 830+30	287

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	9/30/13	AS-BUILT	R.P

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

PROJECT No: CB 1088 DRAWN BY: GFV
DESIGNED BY: N.G CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 796-6936 • FAX: (702) 795-0704

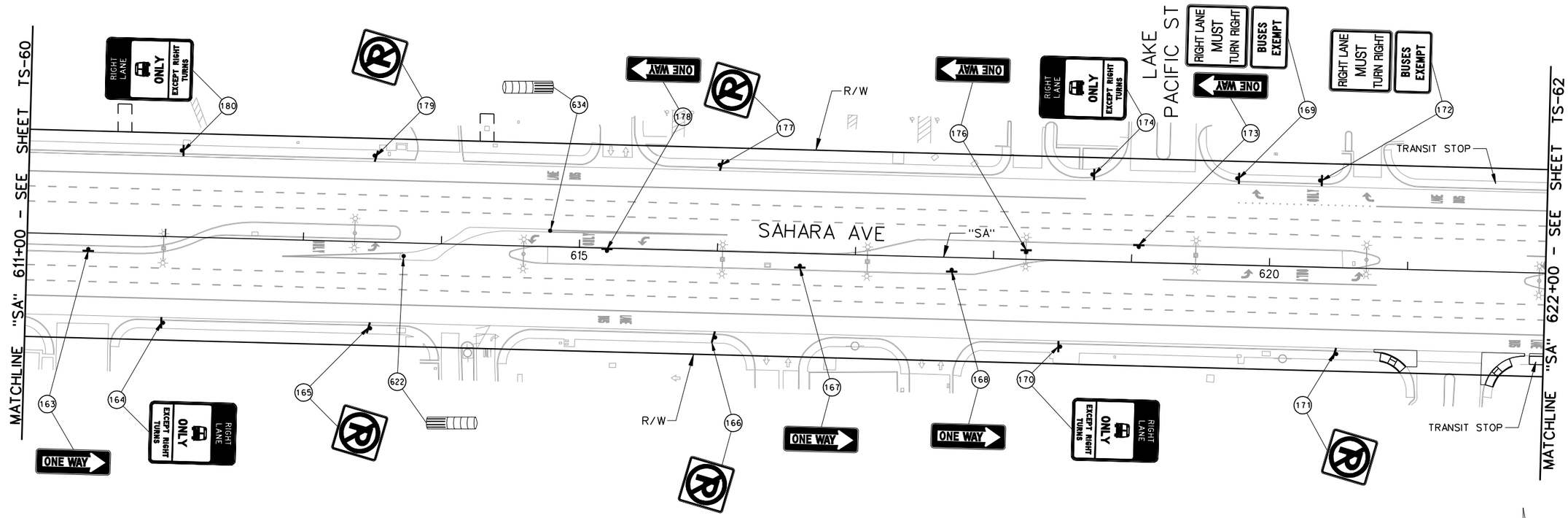
SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

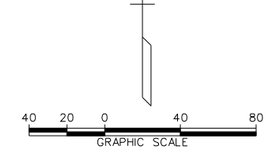
SHEET No.
TS-60a

Sheet 364a of 592

AS-BUILT - 09.30.2013

SAHARA AVENUE , BUS/BIKE LANE ALTERNATIVE





AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 611+00 to "SA" 622+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-61

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 831+10	288
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 833+00	289
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 830+10	290
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 829+15	291
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 828+26	292
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 827+45	293
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 826+60	294
627.02 627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS BUSES/BIKES - EXEMPT	8.75 4.50	30 X 42 36 X 18	SP-1(MOD) R3-BE(MOD)	LT	"SA" 833+00	295 296
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 824+30	297
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"Pe" 72+88	298
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"Pe" 71+73	299
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 805+02	300
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 814+00	301
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 813+22	302
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 832+80	303
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 833+80	304
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 838+75	305
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 840+35	306
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 841+85	307
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 843+20	308
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	-	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 843+00	309
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 840+79	310
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 838+50	311
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 845+30	312
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 846+25	313
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 845+20	314
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 851+70	315
								(LEFT BLANK INTENTIONALLY)						316
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 854+20	317
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 853+15	318
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 847+45	319
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 852+35	320
								(LEFT BLANK INTENTIONALLY)						321
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 857+79	322
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 863+05	323
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 867+10	324
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 865+20	325
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 864+35	326
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 861+40	327
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 859+60	328
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 858+55	329
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 856+32	330
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 868+80	331
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 869+76	332
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 876+40	333
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 876+95	334
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 874+00	335
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 873+10	336
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 871+10	337
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 870+15	338
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 869+83	339
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 869+10	340
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 882+15	341
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 889+40	342
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 890+50	343
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 887+10	344
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 886+20	345
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 885+25	346
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 884+25	347
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 882+70	348
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 880+70	349
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 895+45	350
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 897+25	351
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 898+33	352
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 900+40	353
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 903+65	354
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 902+00	355
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 901+00	356
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 899+95	357
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 898+40	358

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO. | DATE | DESCRIPTION | APPROVED
1 | 9/30/13 | AS-BUILT | R.P

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
SIGN SUMMARY (NEW LOCATIONS)

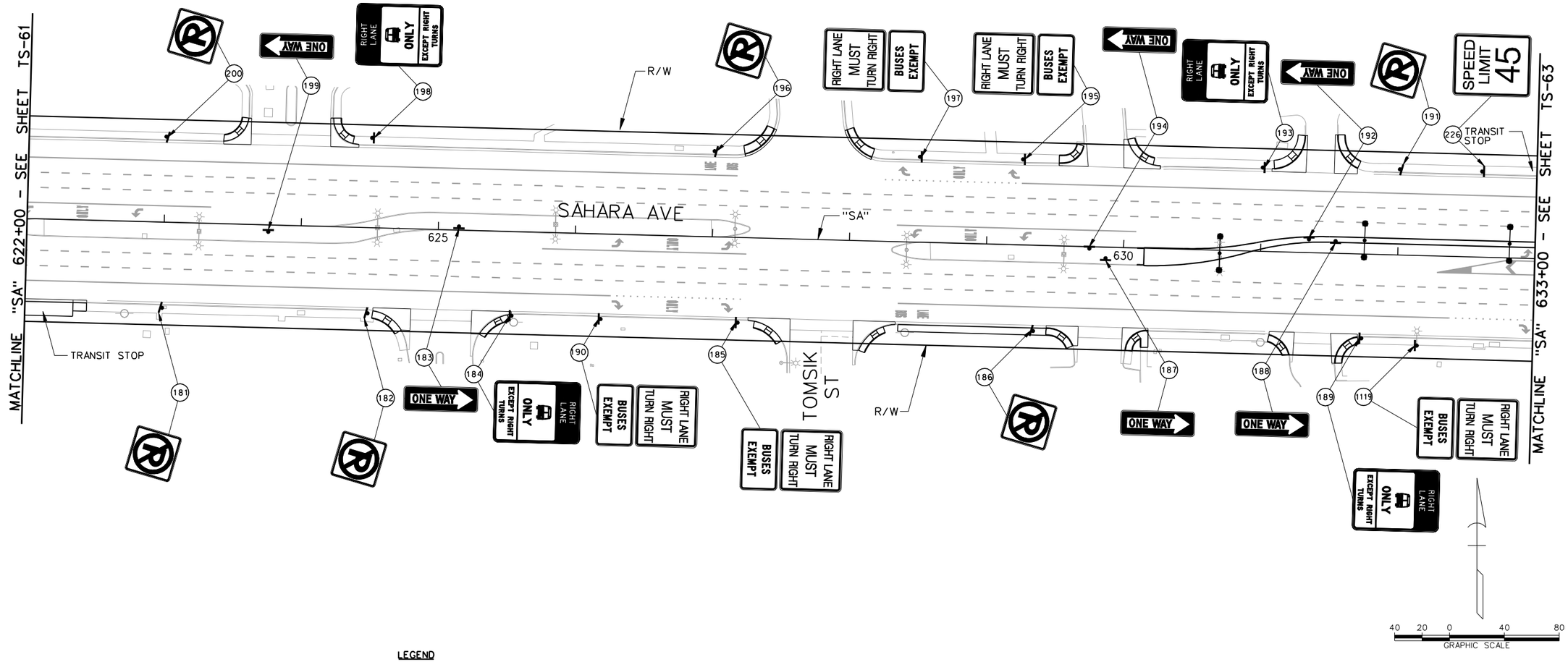
PROJECT No: CB 1088 DRAWN BY: GFV
DESIGNED BY: N.G CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
990 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 796-6936 • FAX: (702) 795-0704

SCALE
HORIZ.: NONE
VERT.: NONE
FIELD BOOK: NONE

SHEET No.
TS-61a

Sheet 365a of 592



AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼⊢ OR ✶⊢	☼⊢	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 622+00 to "SA" 633+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-62

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 897+03	359
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 895+50	360
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 908+50	361
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 910+00	362
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 911+95	363
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 915+15	364
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 908+50	365
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 912+15	366
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 910+23	367
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 908+80	368
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 906+25	369
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 904+35	370
627.02	Sahara Avenue	-	-	-	EXISTING POST	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 910+25	371
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 921+35	372
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 922+45	373
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 923+45	374
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 924+65	375
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 925+35	376
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 926+45	377
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 925+60	378
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 924+70	379
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 923+60	380
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 921+70	381
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUS/BIKE - LANE - ENDS - 1/2 MILE	14.00	42 X 48	R3-12h(MOD)	RT	"SA" 929+10	382
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 934+90	383
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 936+80	384
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 937+88	385
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 937+85	386
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 937+90	387
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 936+59	388
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 933+85	389
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 940+35	390
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	RT	"SA" 947+90	391
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 948+85	392
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 949+80	393
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	RT	"SA" 950+96	394
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	RT	"SA" 950+80	395
627.02	Sahara Avenue Mount on Signal Mast Arm	-	-	-	-	-	C & G	BUS (SYMBOL) BIKE (SYMBOL) - ONLY - DOWN ARROW	12.00	48 X 36	SP-2(MOD)	LT	"SA" 949+97	396
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 947+50	397
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 940+80	398
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUS/BIKE - LANE - ENDS	7.50	30 X 36	R3-12g(MOD)	LT	"SA" 953+75	399
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	RIGHT - LANE - BUS (SYMBOL) BIKE (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1(MOD)	LT	"SA" 958+40	400
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0	C & G	BUSES/BIKES - EXEMPT	4.50	36 X 18	R3-BE(MOD)	LT	"SA" 952+40	401
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-		C & G	BUS/BIKE - LANE - AHEAD	7.50	30 X 36	R3-12f(MOD)	RT	-	402

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO. | DATE | DESCRIPTION | APPROVED
1 | 9/30/13 | AS-BUILT | R.P

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

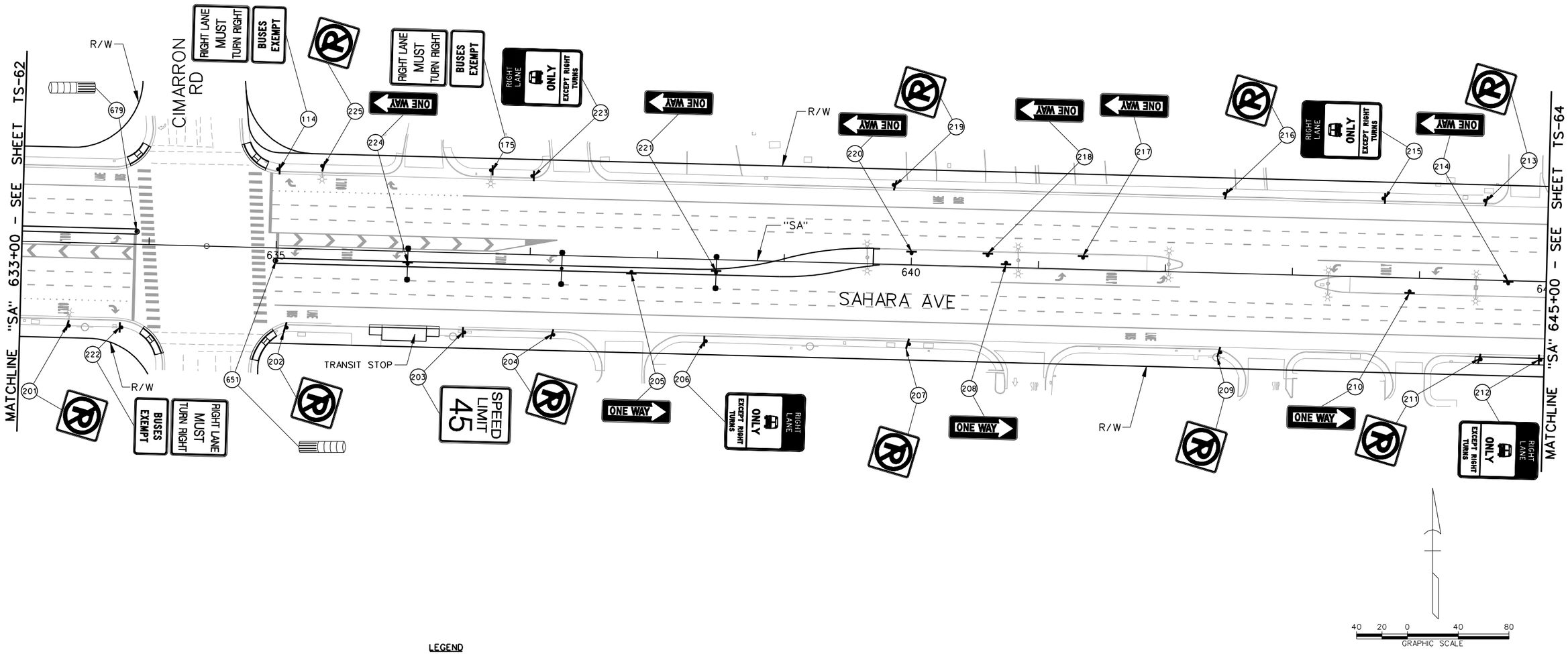
PROJECT No: CB 1088 DRAWN BY: GFV
DESIGNED BY: N.L.G CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
900 AMERICO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6936 • FAX (702) 795-5704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-62a

Sheet 366a of 592



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call before you dig 1-702-227-2929

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 633+00 to "SA" 645+00

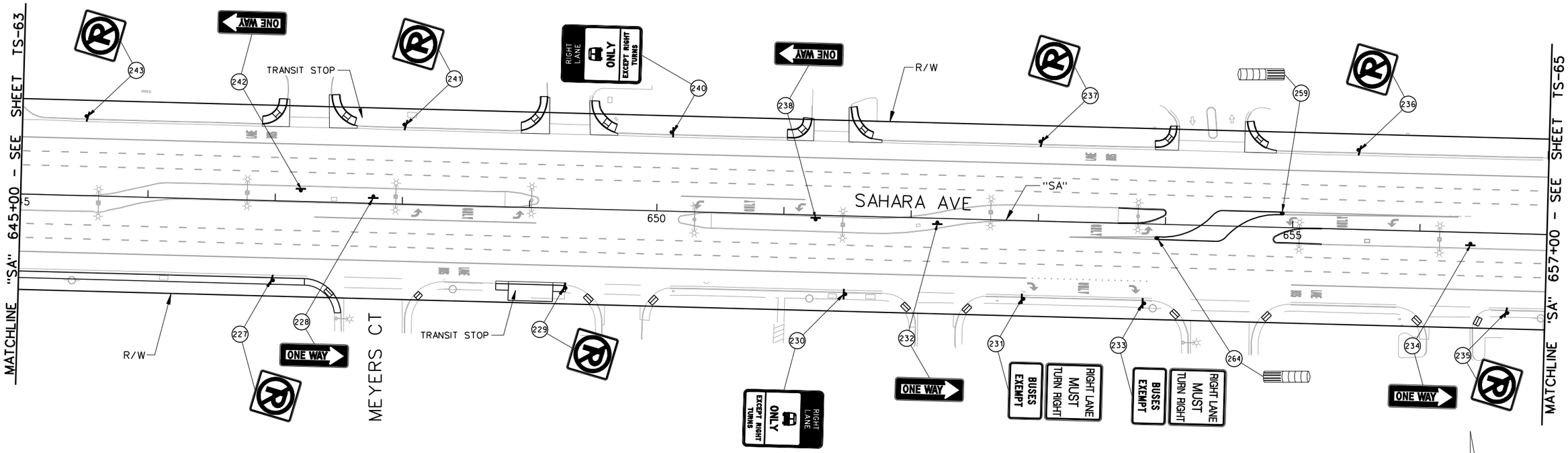
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-63



40 20 0 40 80
GRAPHIC SCALE

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 645+00 to "SA" 657+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

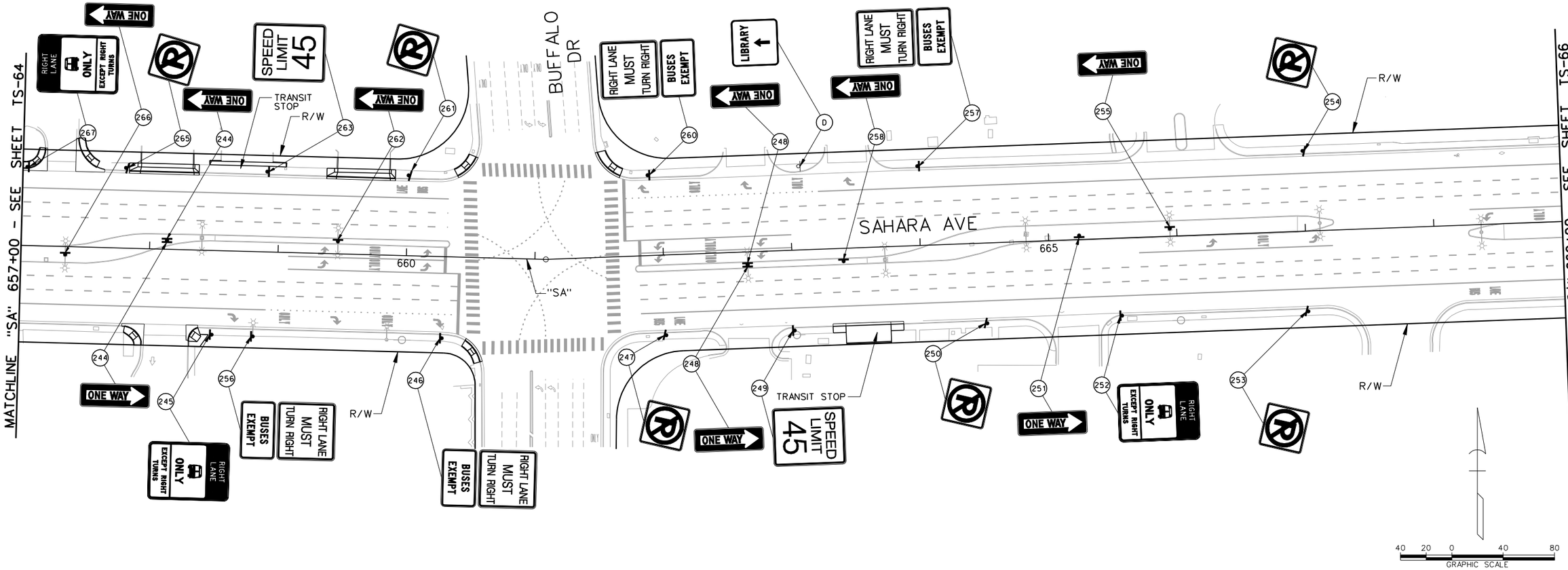
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-64

Sheet 368 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 657+00 to "SA" 669+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

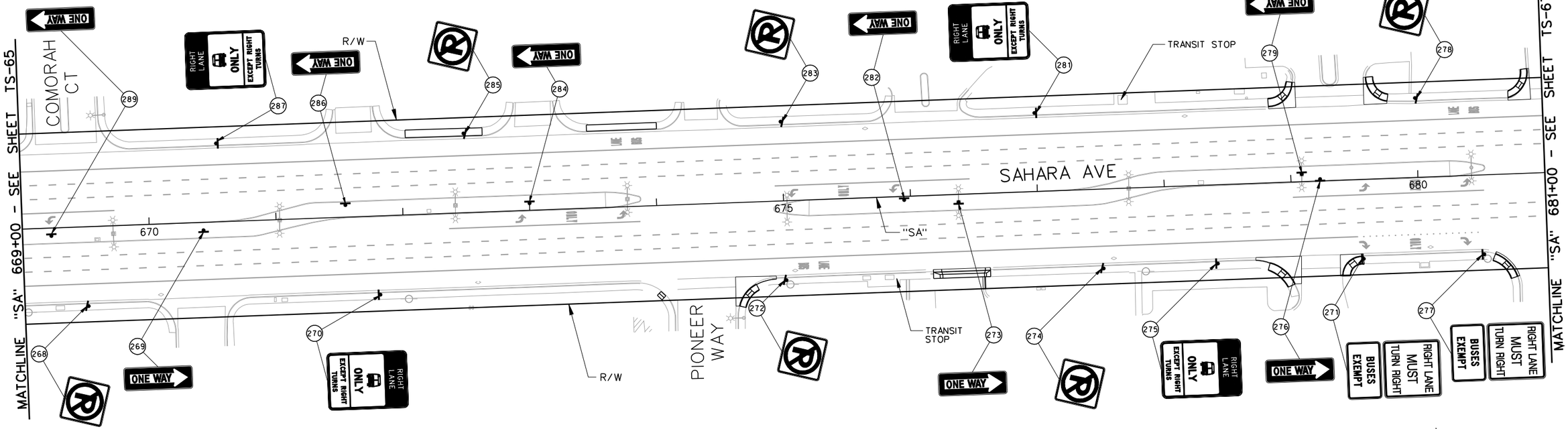
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

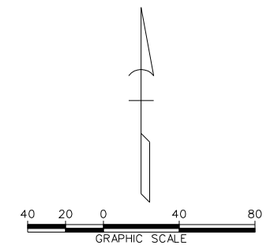
SHEET No. TS-65

Sheet 369 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT





LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call before you CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 669+00 to "SA" 681+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

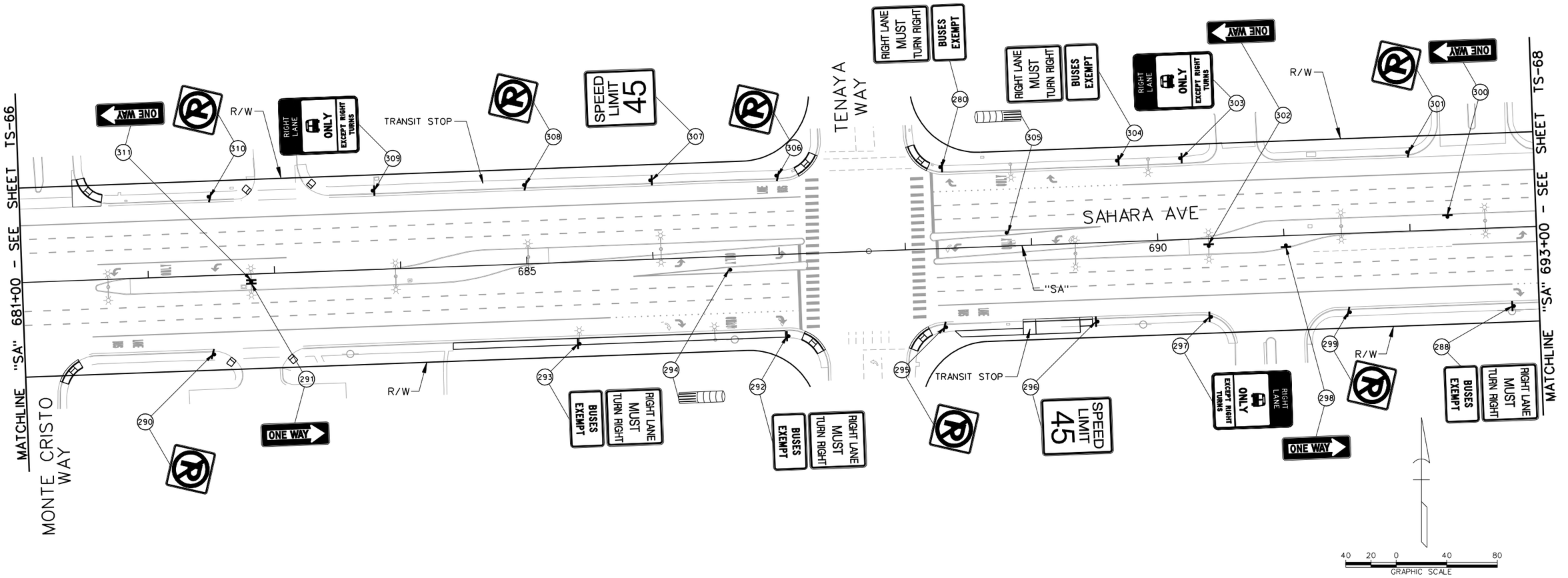
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-66

Sheet 370 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
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AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 681+00 to "SA" 693+00

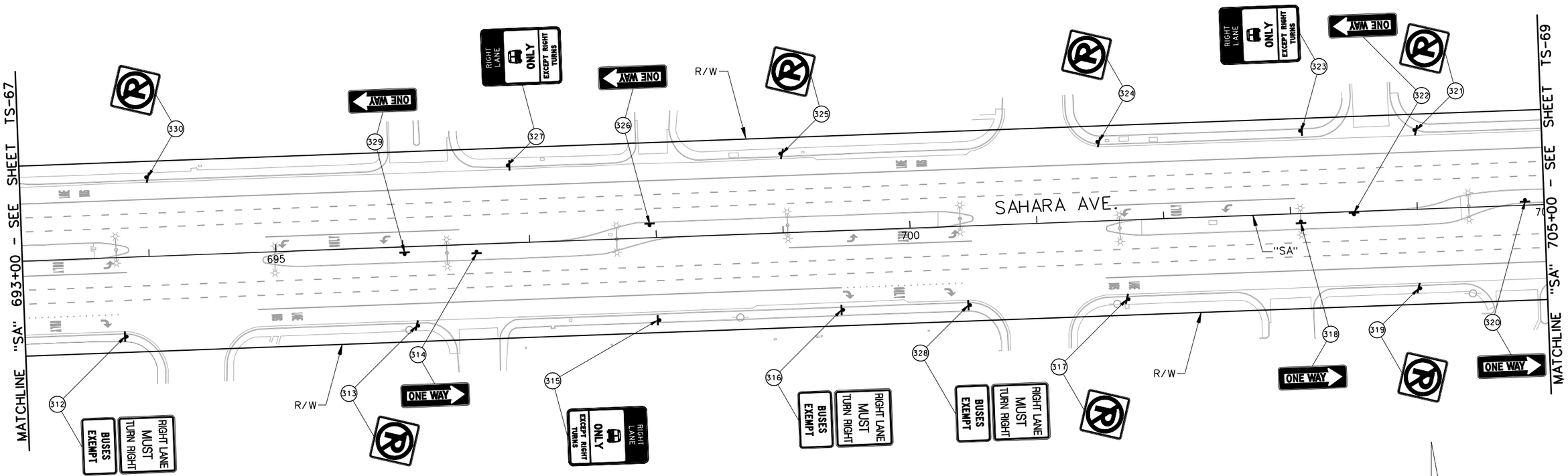
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-67



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼—	☼—	- SIGN MOUNTED ON LIGHT POLE
OR		
✶—		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 OR 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call before you CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 693+00 to "SA" 705+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

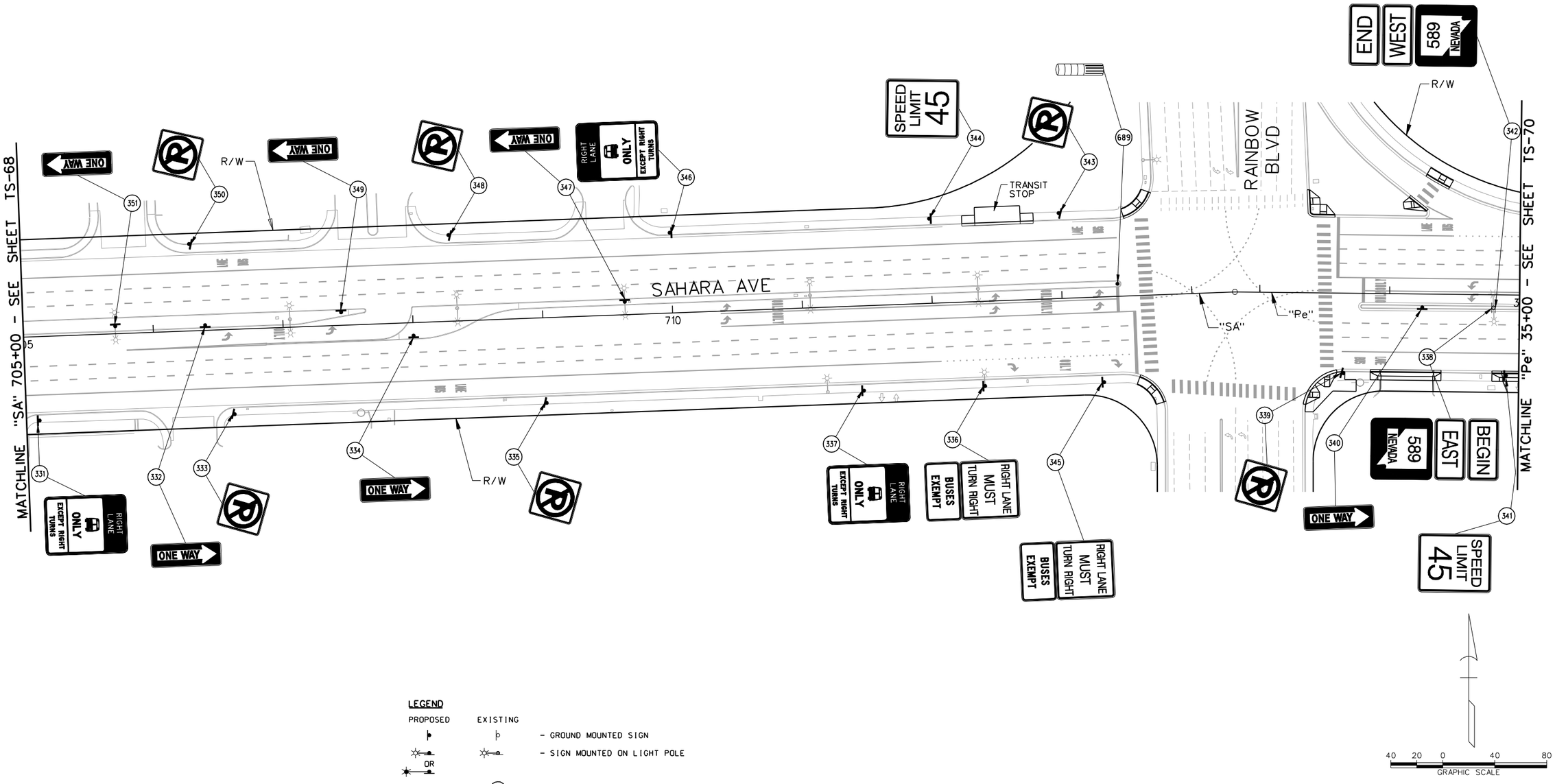
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-68

Sheet 372 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
▶	⊳	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 705+00 to "Pe" 35+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

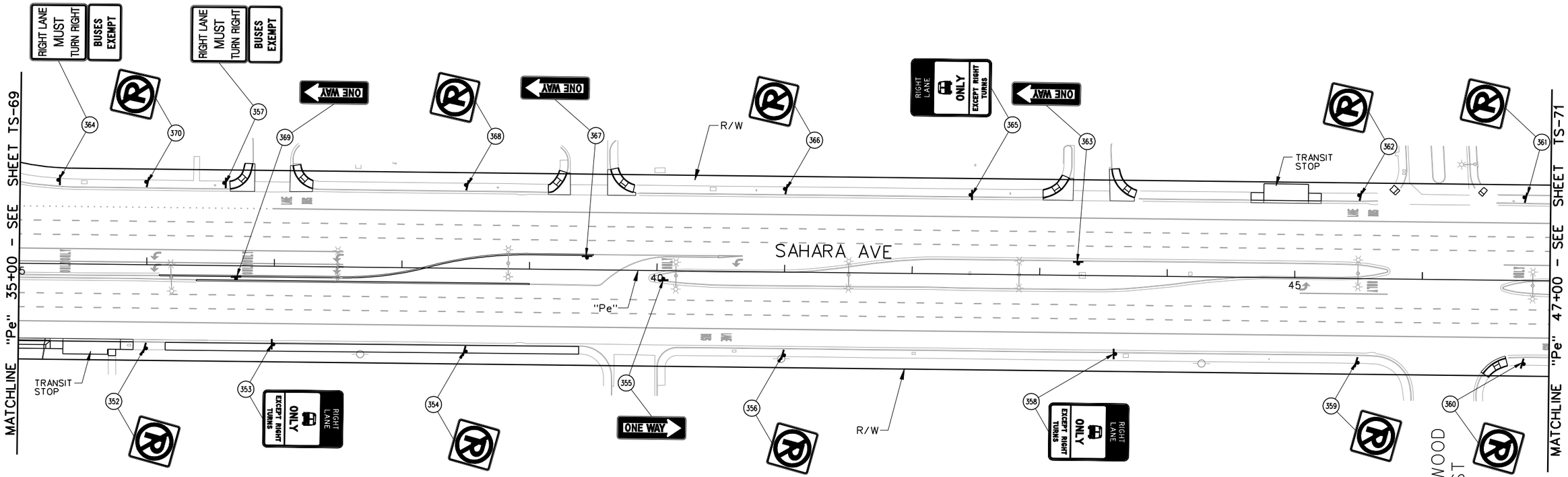
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No.
TS-69
Sheet 373 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR ✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 35+00 to "Pe" 47+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

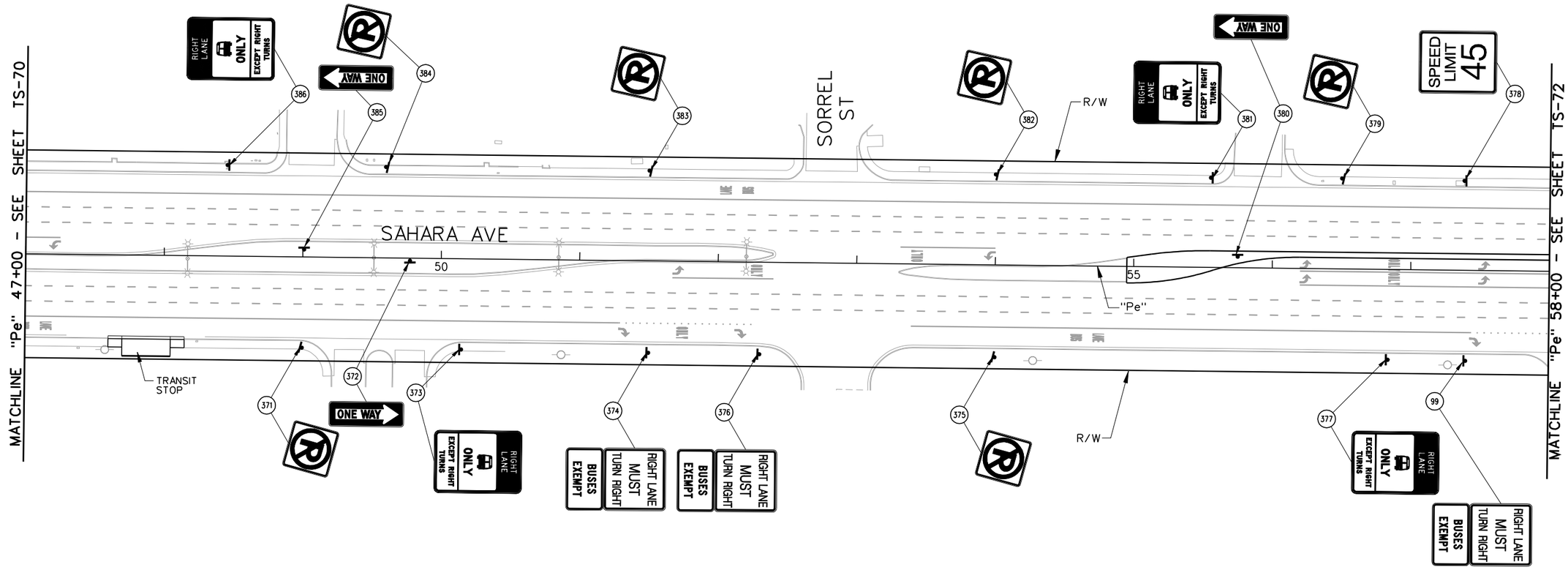
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

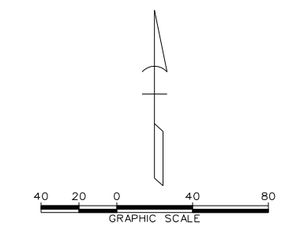
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VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-70

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLTION PLAN

"Pe" 47+00 to "Pe" 58+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

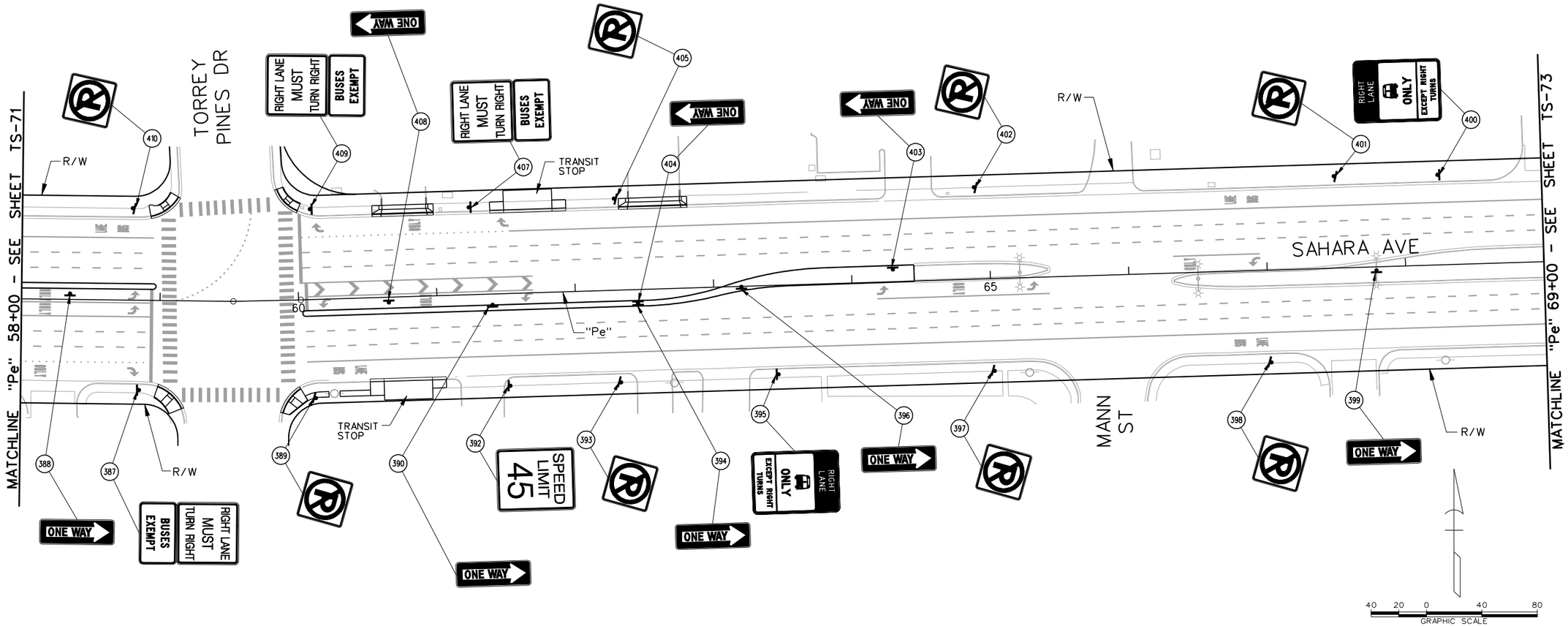
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HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-71

Sheet 375 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRESCOTT AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 58+00 to "Pe" 69+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

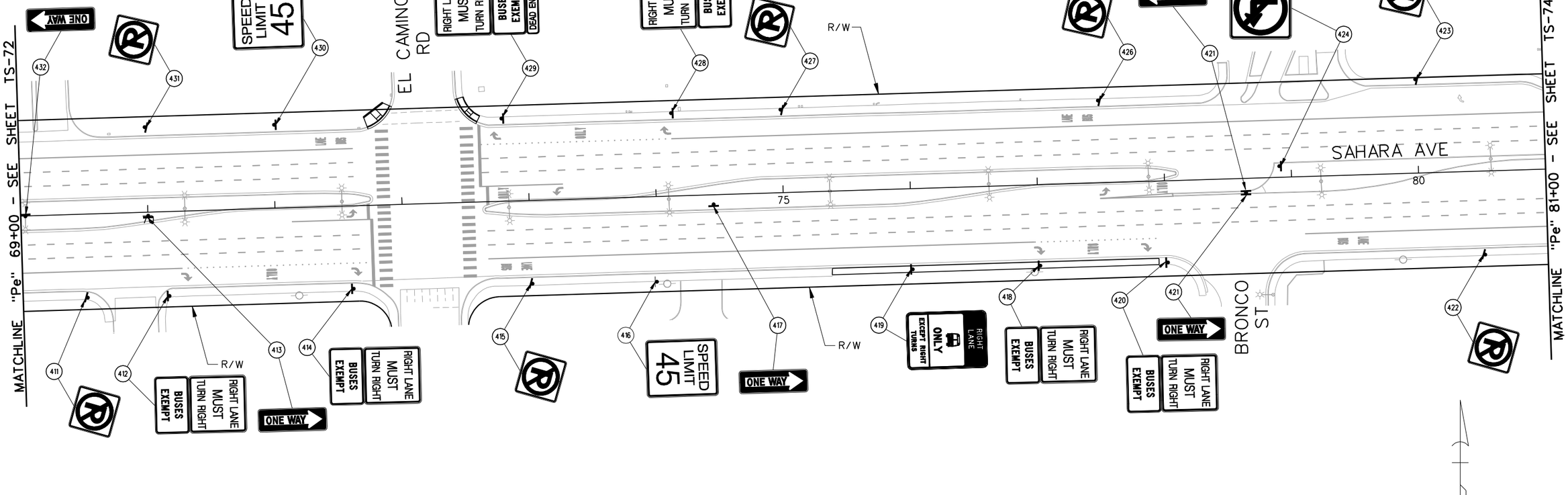
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-72

Sheet 376 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 69+00 to "Pe" 81+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

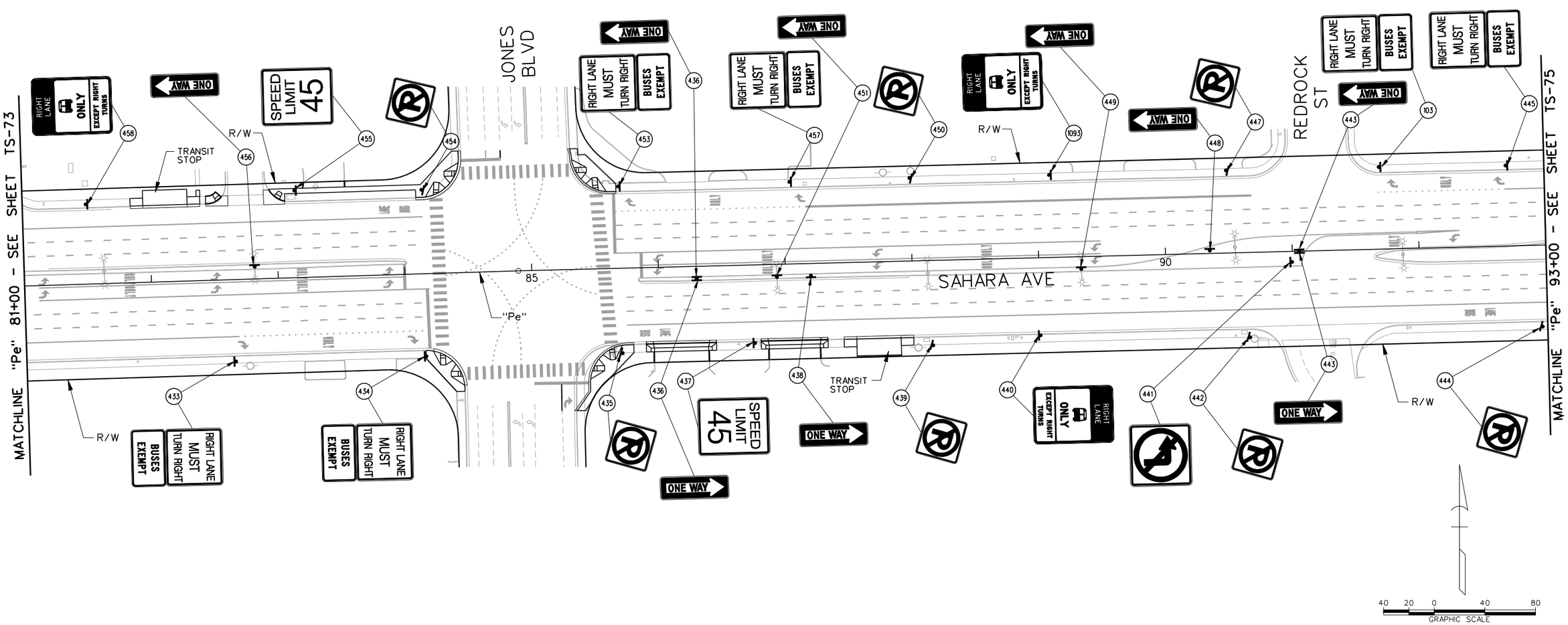
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-73

Sheet 377 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
		- SIGN MOUNTED ON LIGHT POLE
OR		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 81+00 to "Pe" 93+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

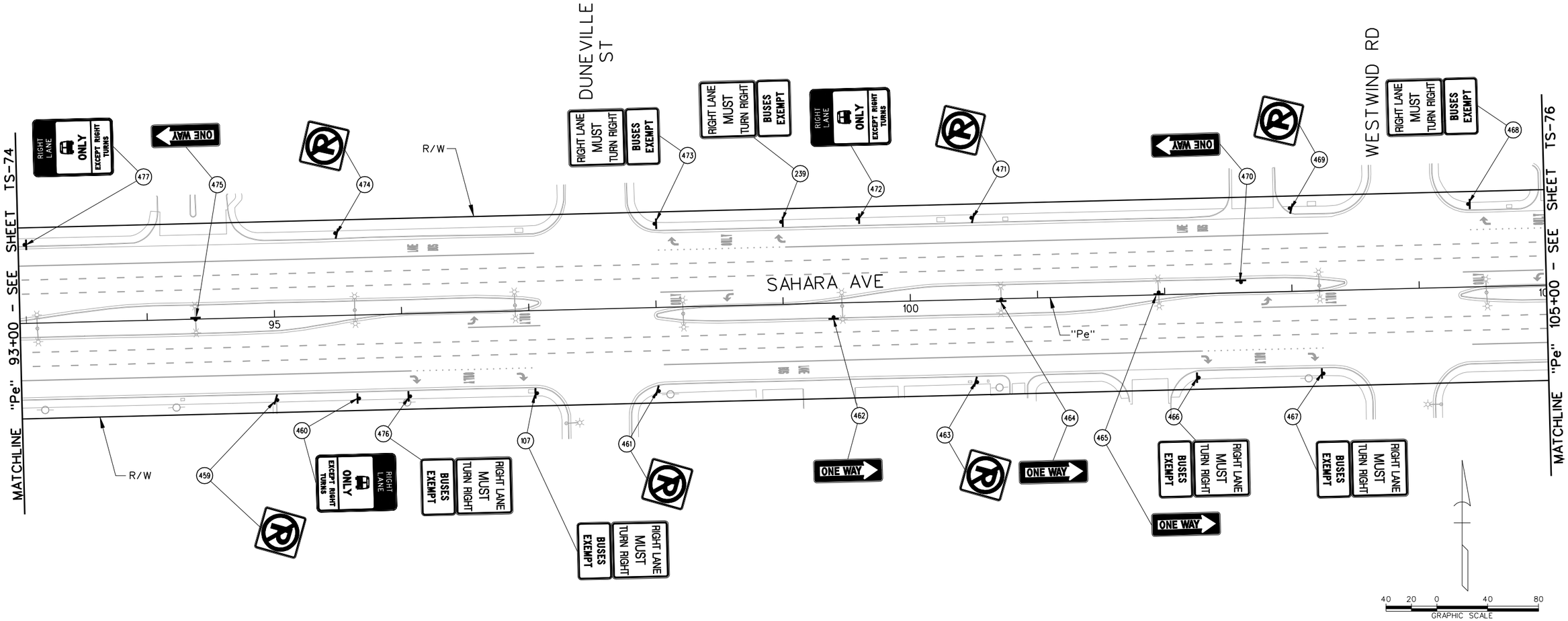
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-74

Sheet 378 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 93+00 to "Pe" 105+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

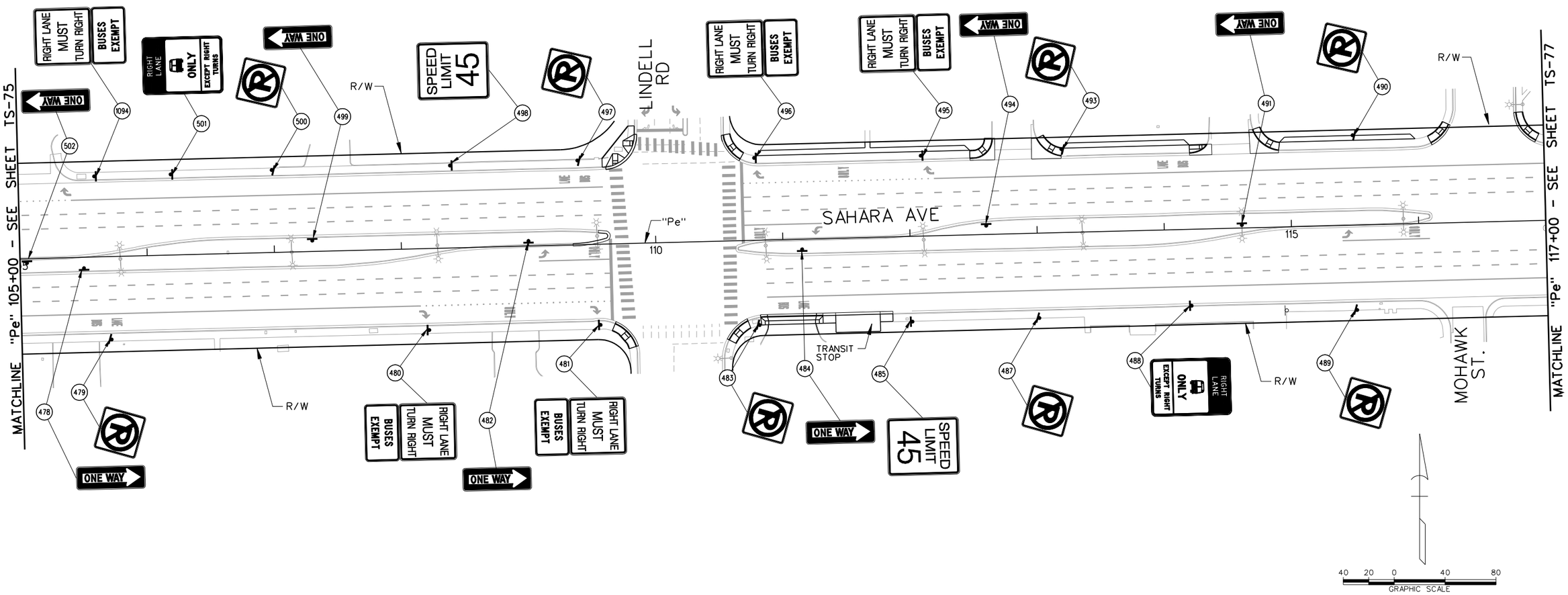
SCALE
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VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-75

Sheet 379 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 105+00 to "Pe" 117+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

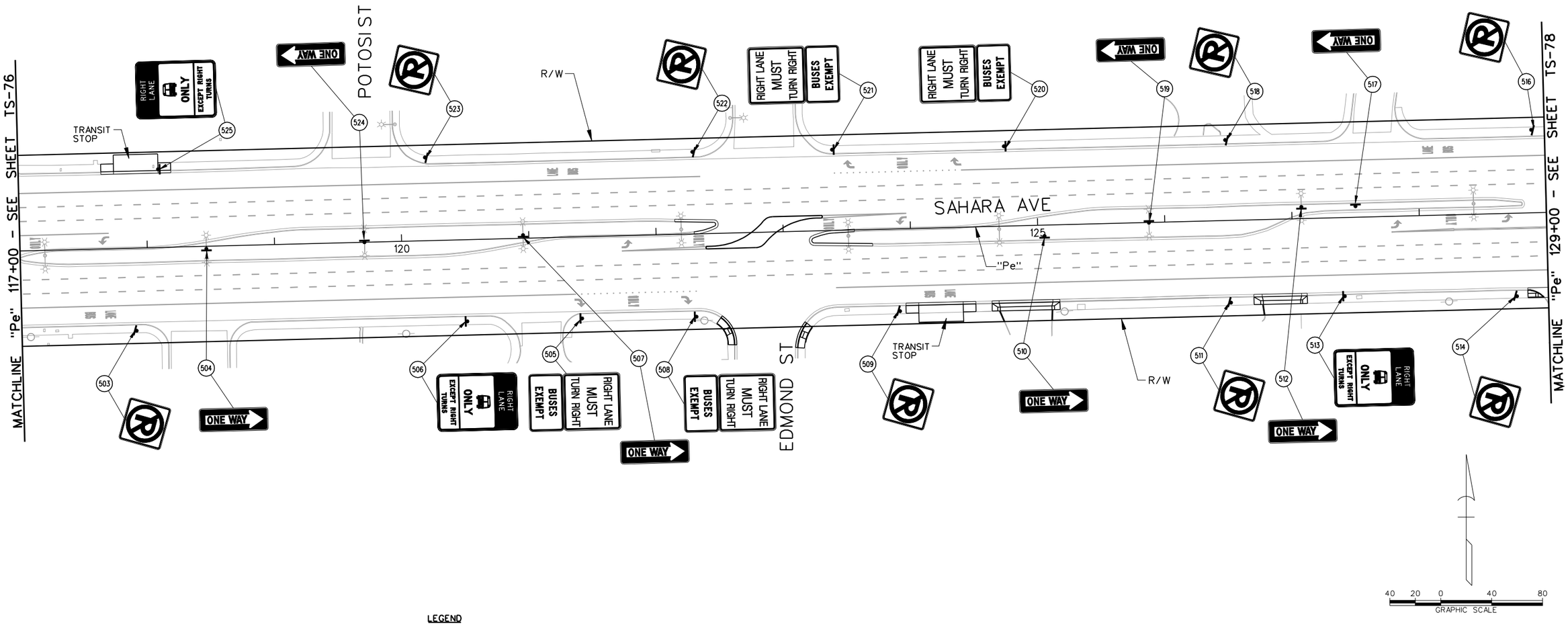
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-76

Sheet 380 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR ✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 117+00 to "Pe" 129+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

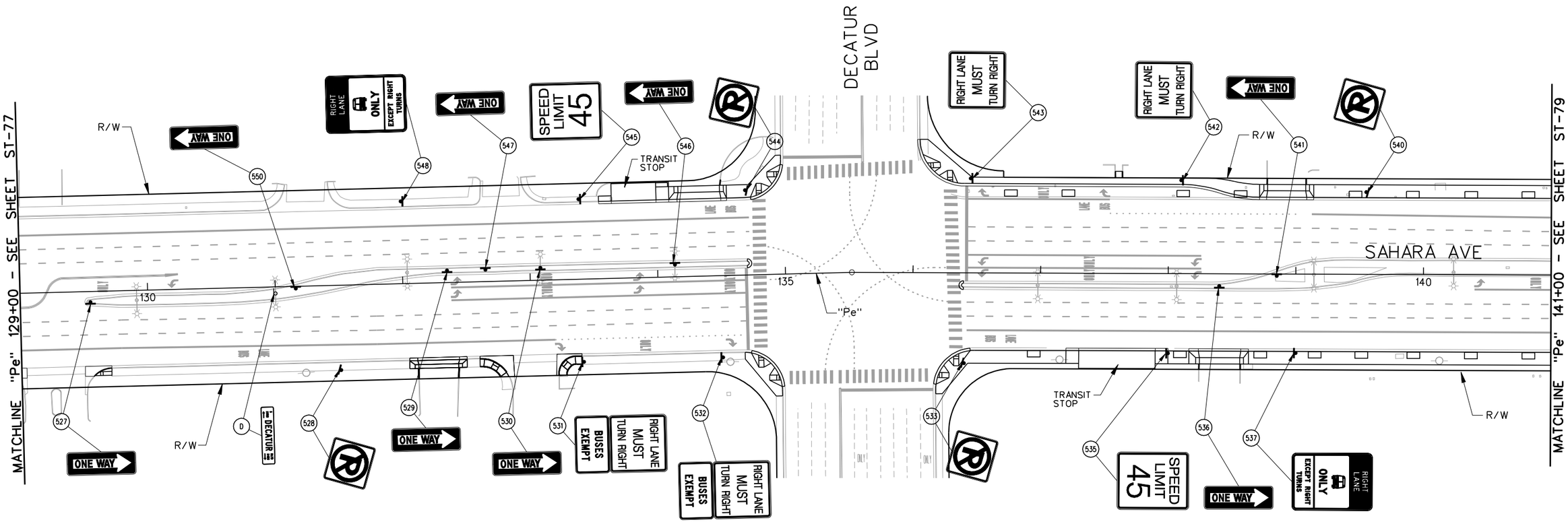
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

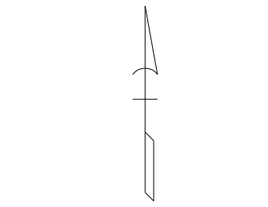
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HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-77

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 117+00 to "Pe" 141+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

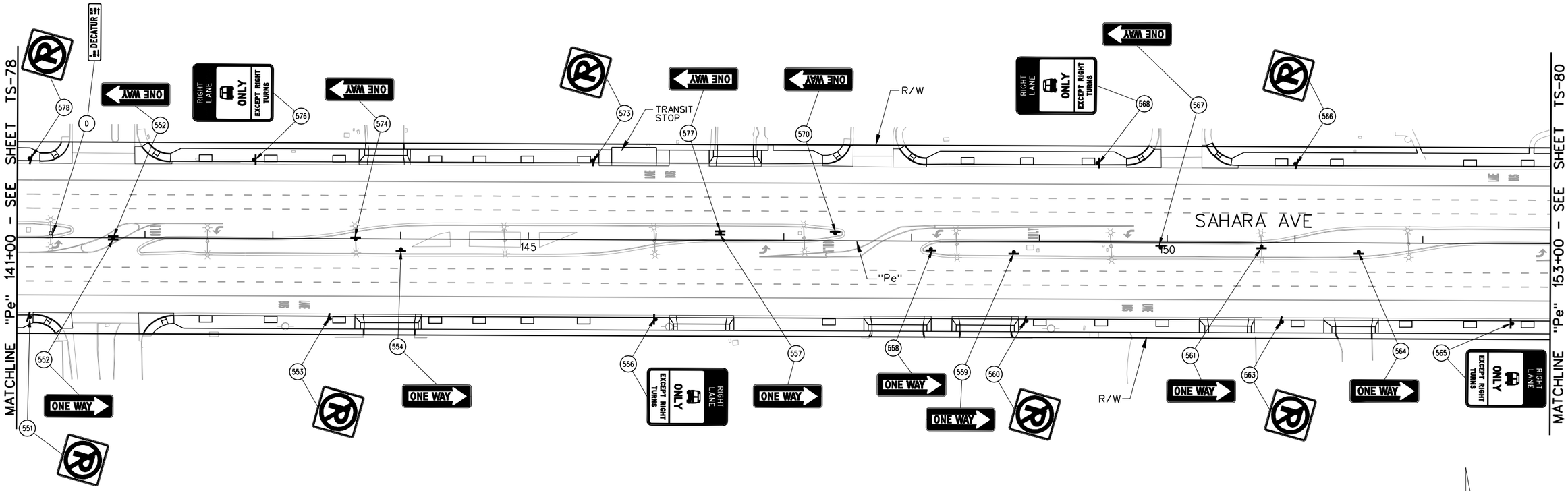
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

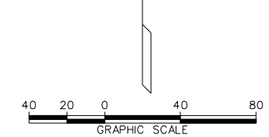
SHEET No. TS-78

Sheet 382 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT





LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 141+00 to "Pe" 153+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

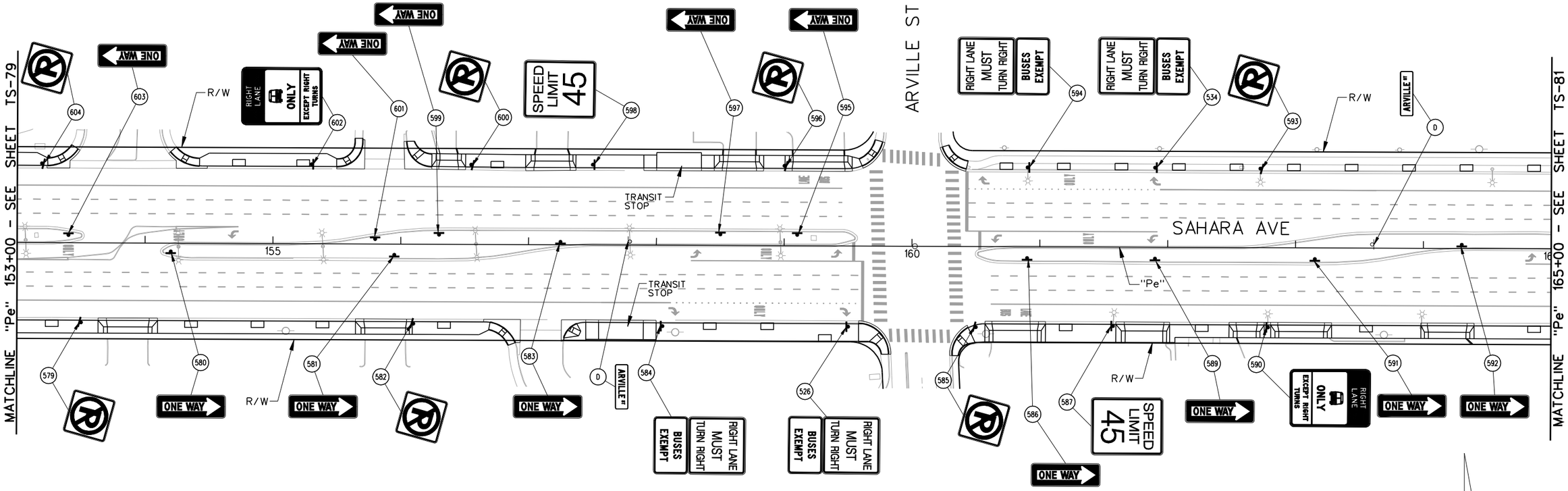
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-79
Sheet 383 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



40 20 0 40 80
GRAPHIC SCALE

LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 153+00 to "Pe" 165+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

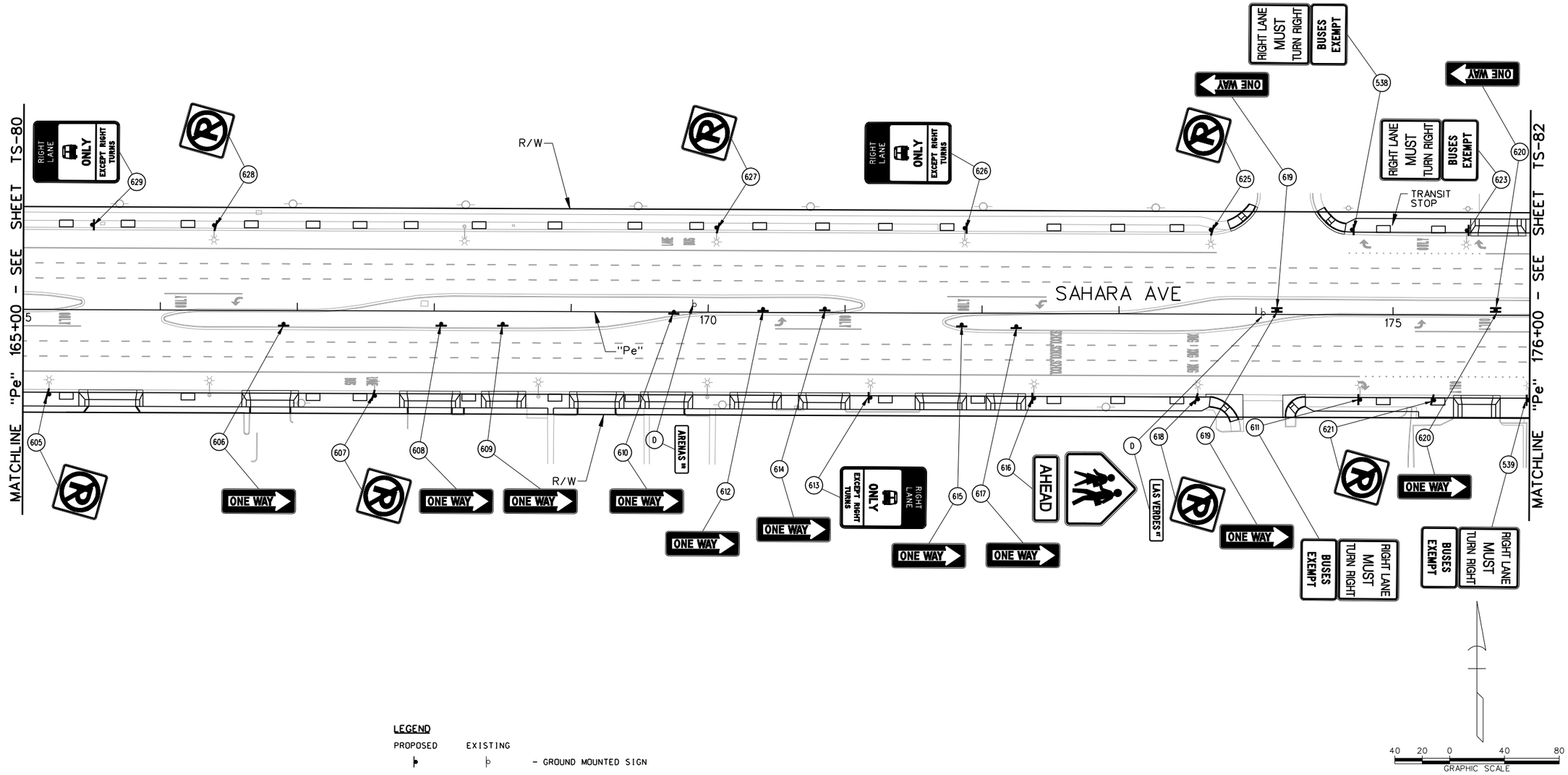
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-80

Sheet 384 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 165+00 to "Pe" 176+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

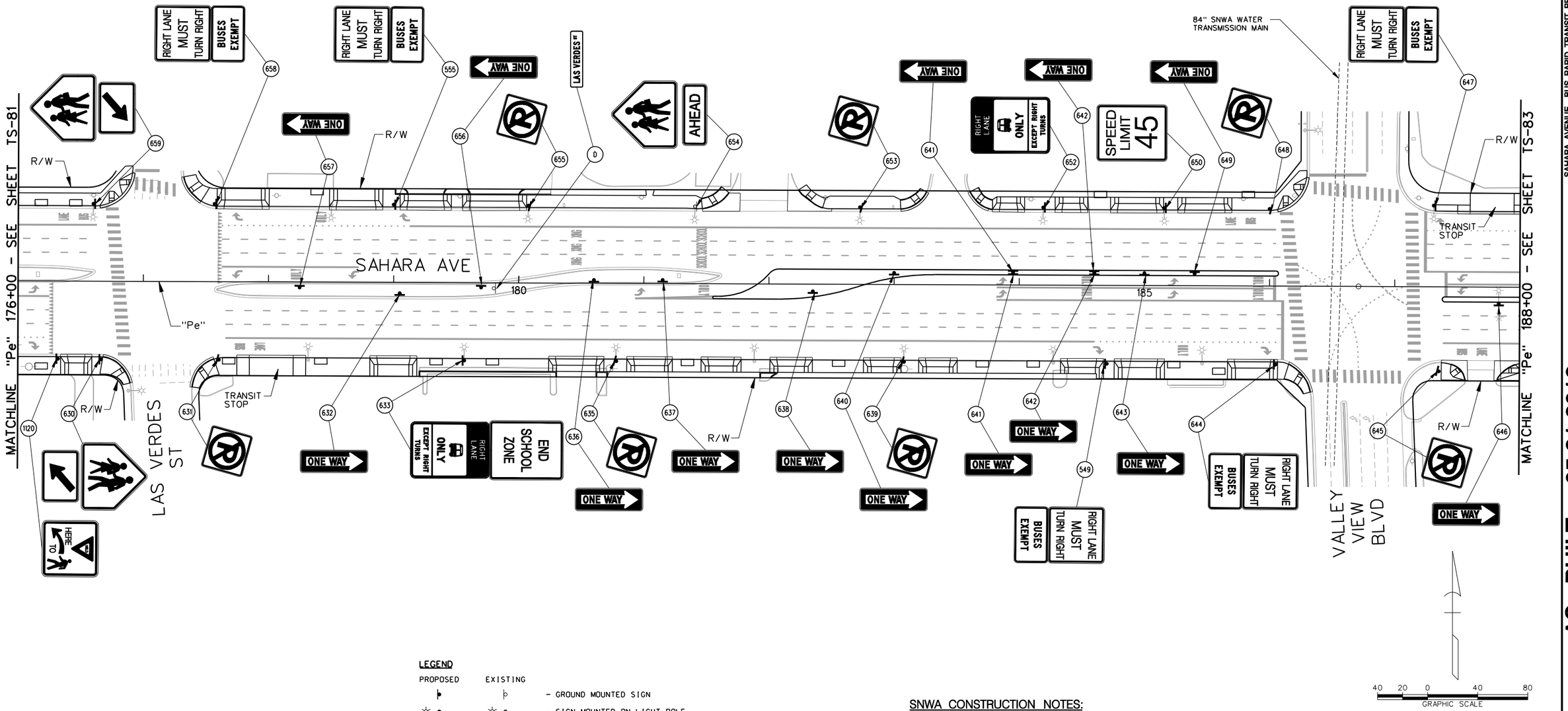
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-81

Sheet 385 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

NOTE:
1. SEE SHEET U-32 CONCERNING SNWA MONUMENT.

SNWA CONSTRUCTION NOTES:

CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA-SNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AVAR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AVAR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702) 862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

THIS DATA MAY BE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE THAT THIS DATA IS CONVERTED TO THE APPROPRIATE DATUM BEFORE USING SAID DATA.

APPROVED BY:

Signature On File — 3/3/2011
SOUTHERN NEVADA WATER AUTHORITY — DATE

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 176+00 to "Pe" 188+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

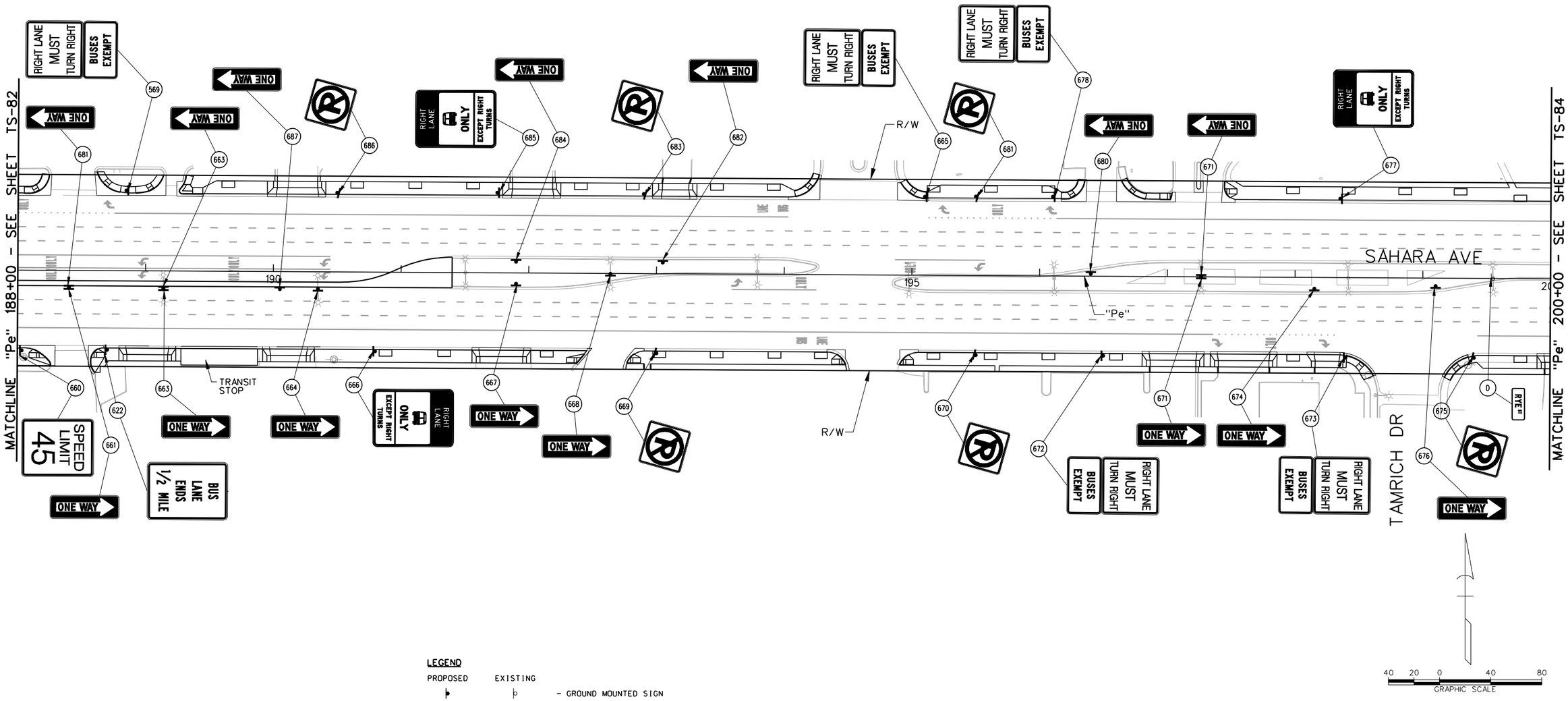
SCALE — HORIZ: AS SHOWN — VERT: NONE — FIELD BOOK: NONE

SHEET No. TS-82

Sheet 386 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 188+00 to "Pe" 200+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

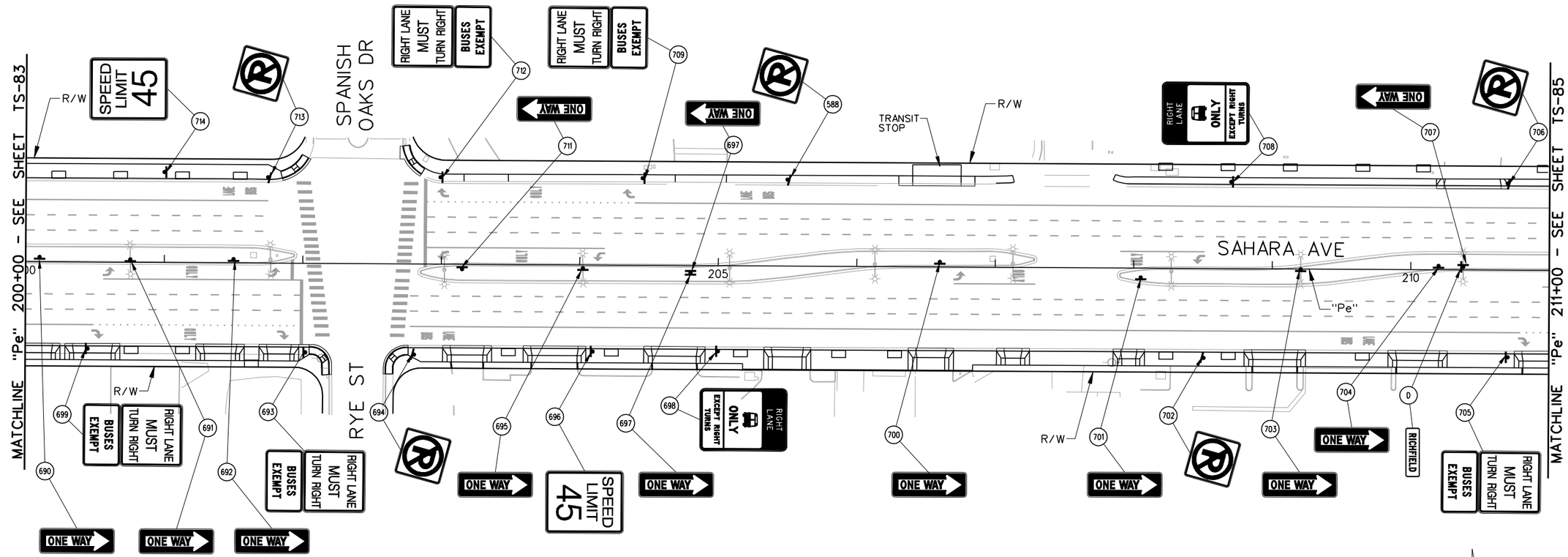
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HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

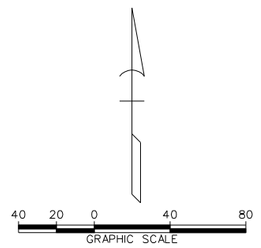
SHEET No. TS-83

Sheet 387 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT





LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
PRIMARY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 200+00 to "Pe" 211+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

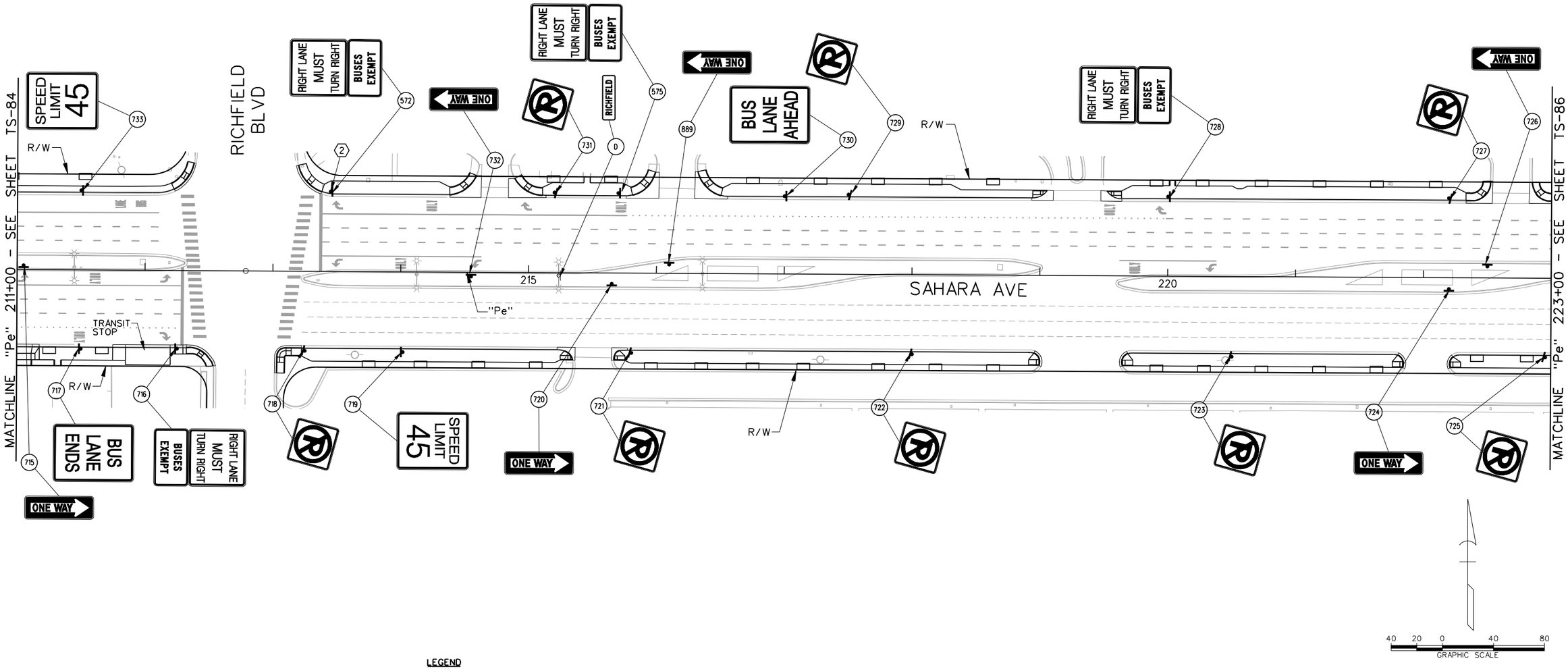
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. TS-84

Sheet 388 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR ✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

Call 811 OR 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 211+00 to "Pe" 223+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

REGIONAL TRANSPORTATION COMMISSION RTC OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6832 • FAX (702) 736-0704

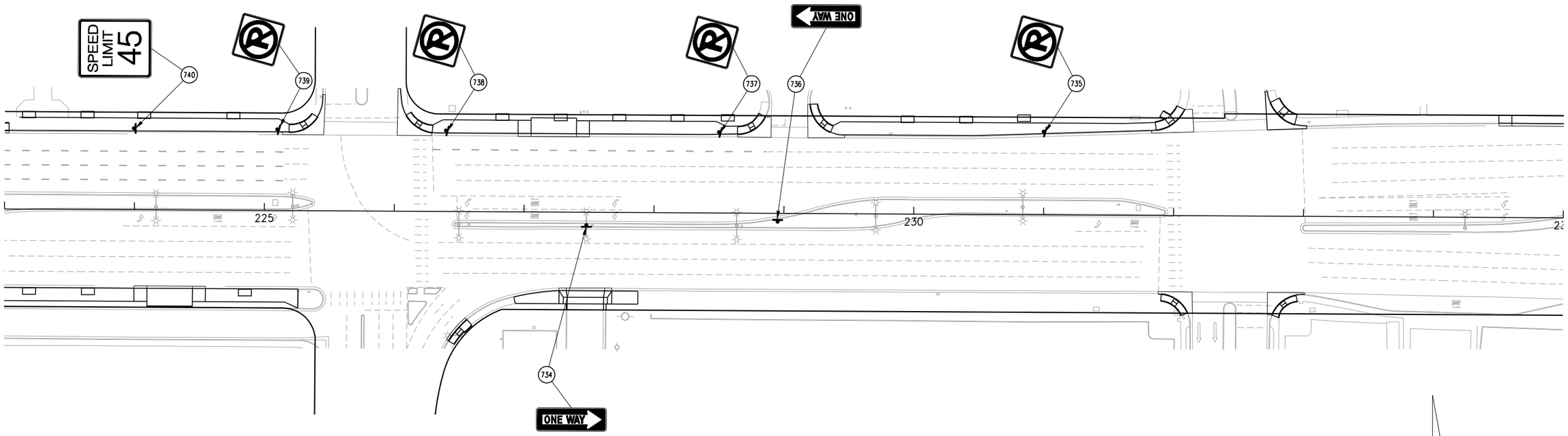
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

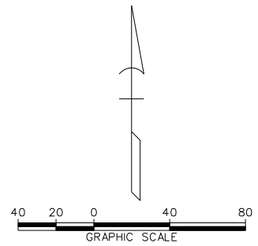
SHEET No. TS-85

Sheet 389 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT





LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PERMANENT SIGNING NOTES:

1. SEE CONSTRUCTION PLANS FOR TYPE OF BUS SHELTERS FOR TRANSIT STOPS.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"Pe" 223+00 to "Pe" 235+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

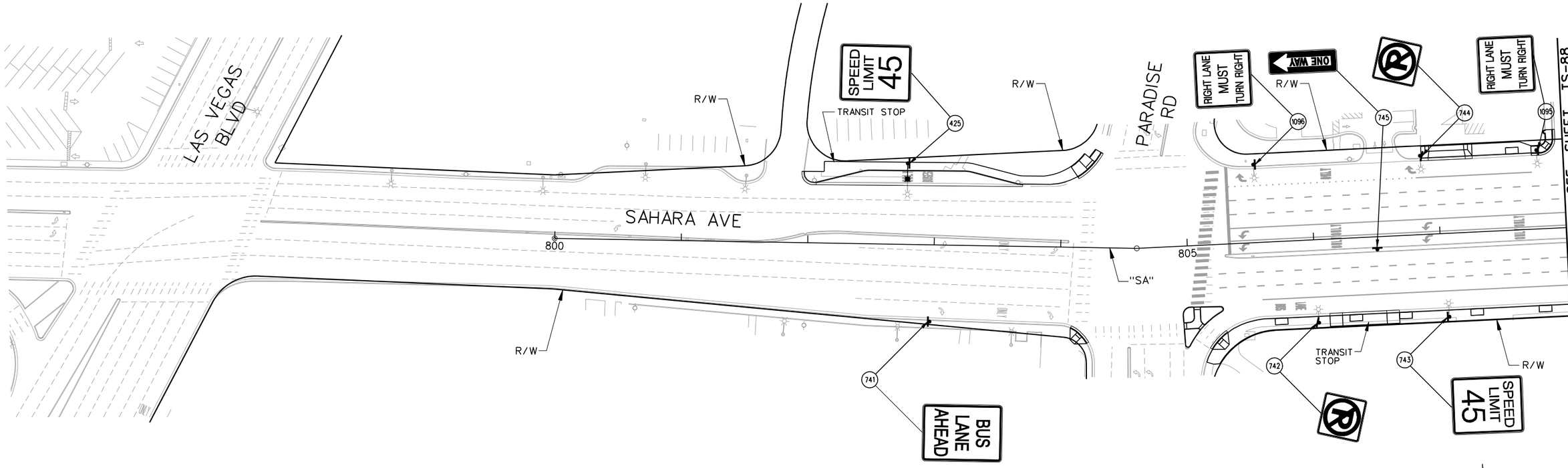
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

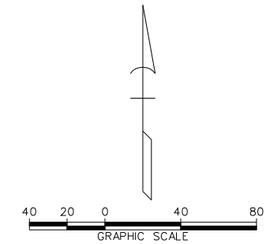
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-86

AS - BUILT - 05.31.2012





LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
(XR)		- EXISTING SIGN TO BE REMOVED AND SALVAGED
(D)		- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 800+00 to "SA" 820+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

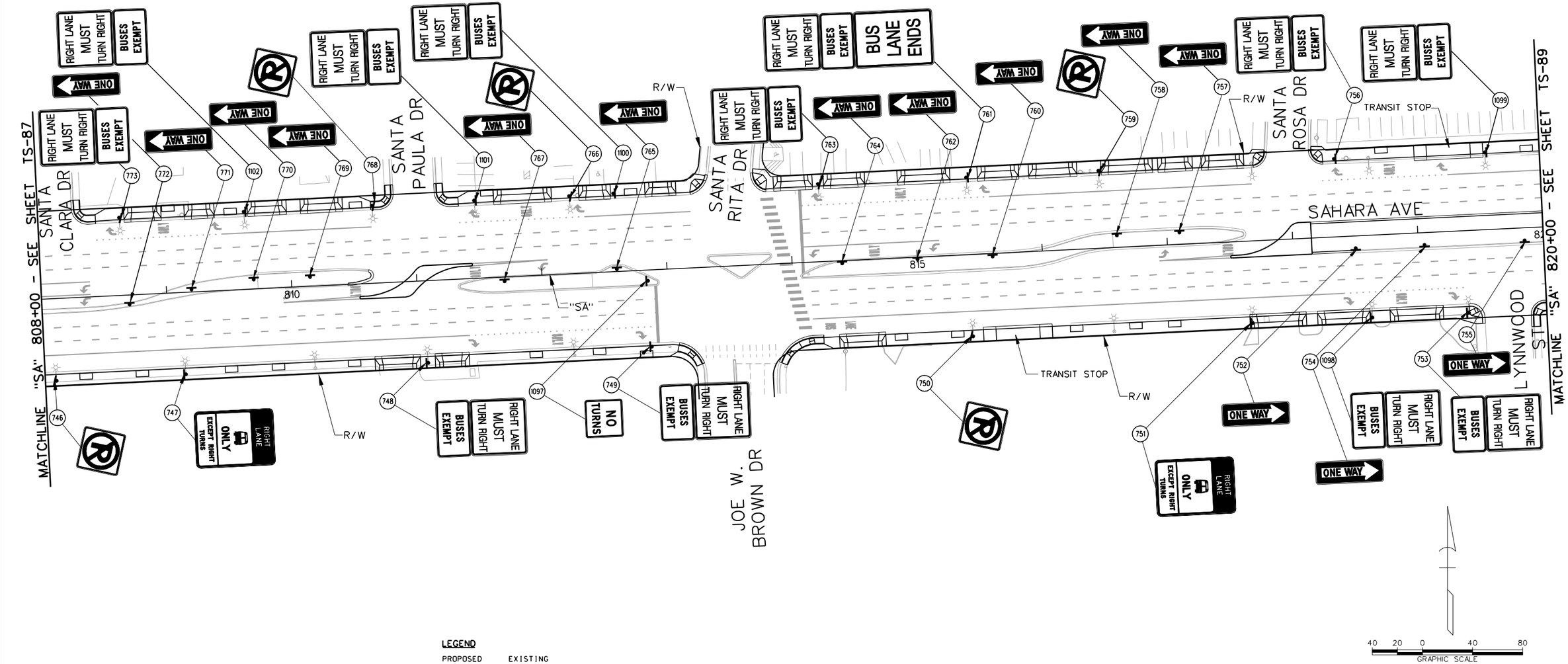
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-87
Sheet 391 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
(XR)		- EXISTING SIGN TO BE REMOVED AND SALVAGED
(D)		- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 808+00 to "SA" 820+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	NLG	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

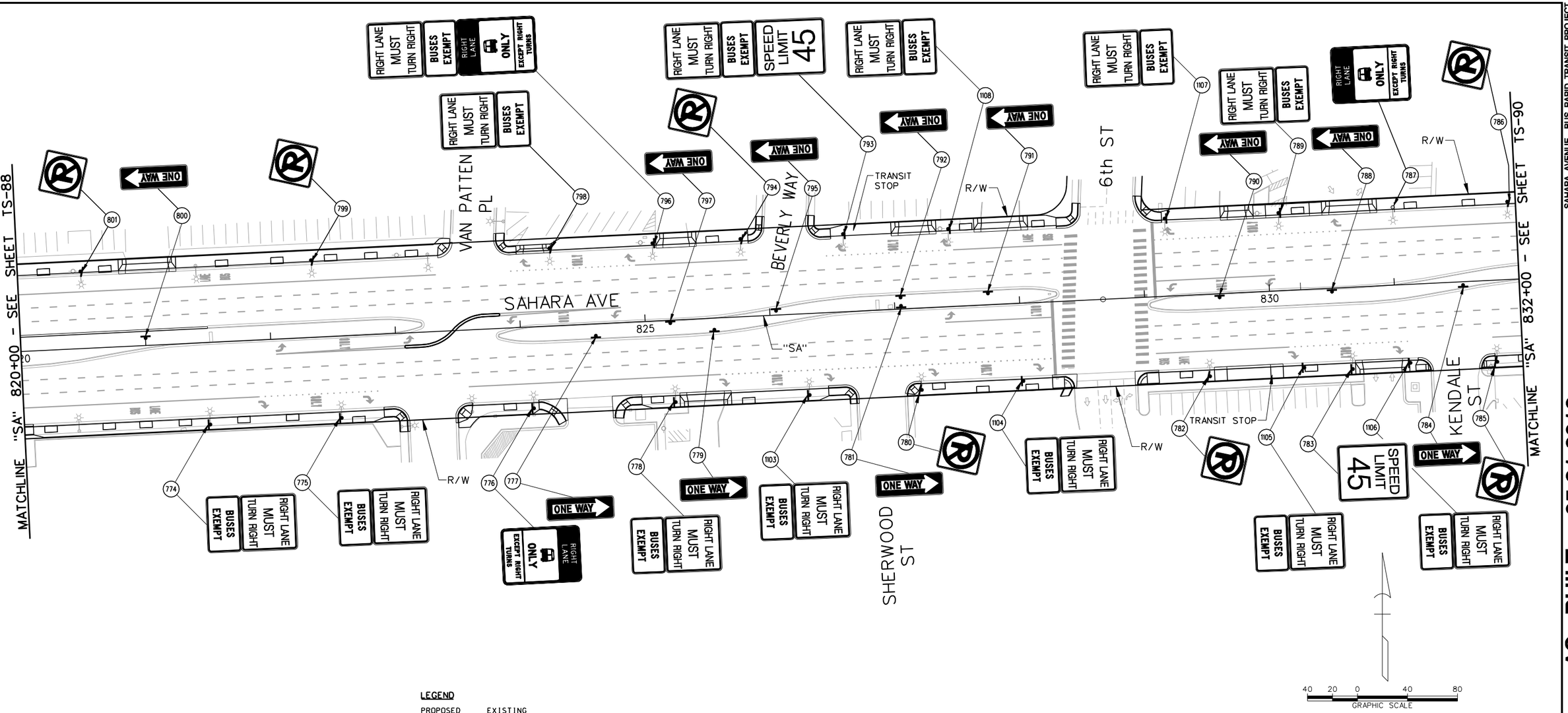
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-88

Sheet 392 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 820+00 to "Pe" 832+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

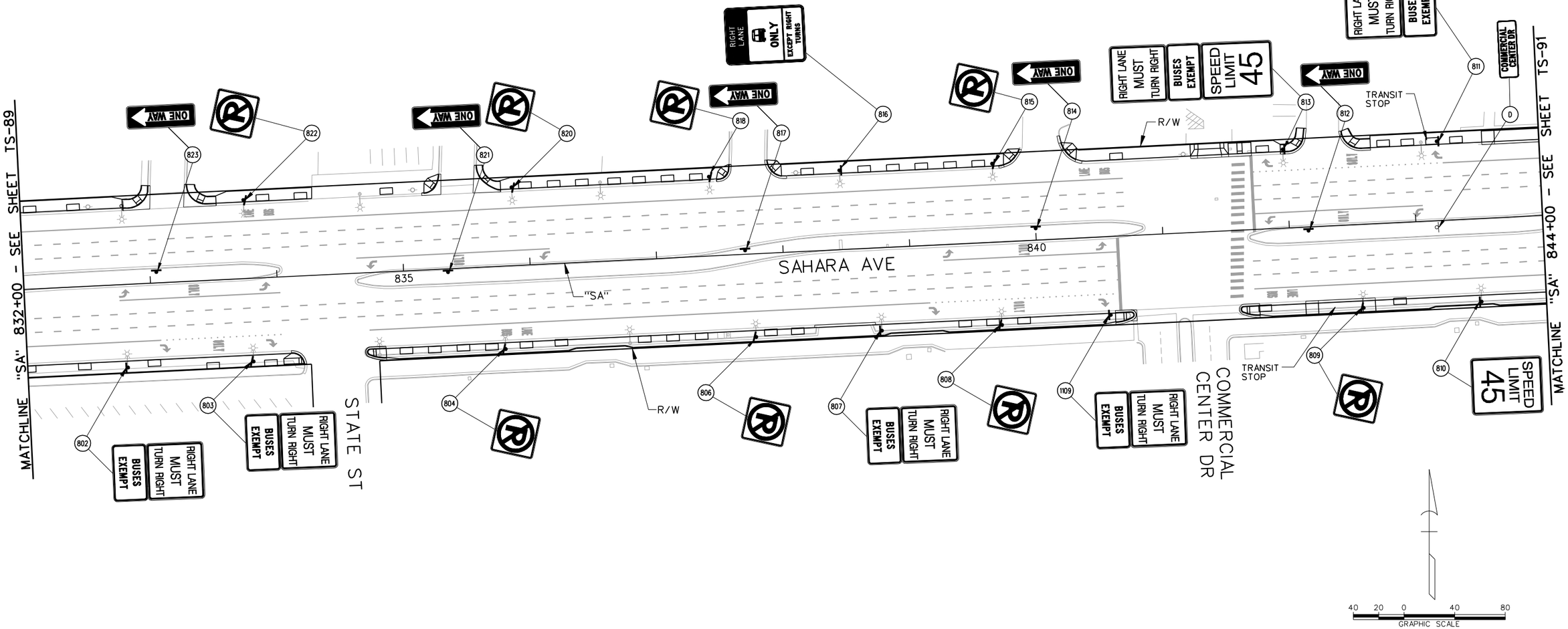
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HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-89

Sheet 393 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEMS OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 832+00 to "SA" 844+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

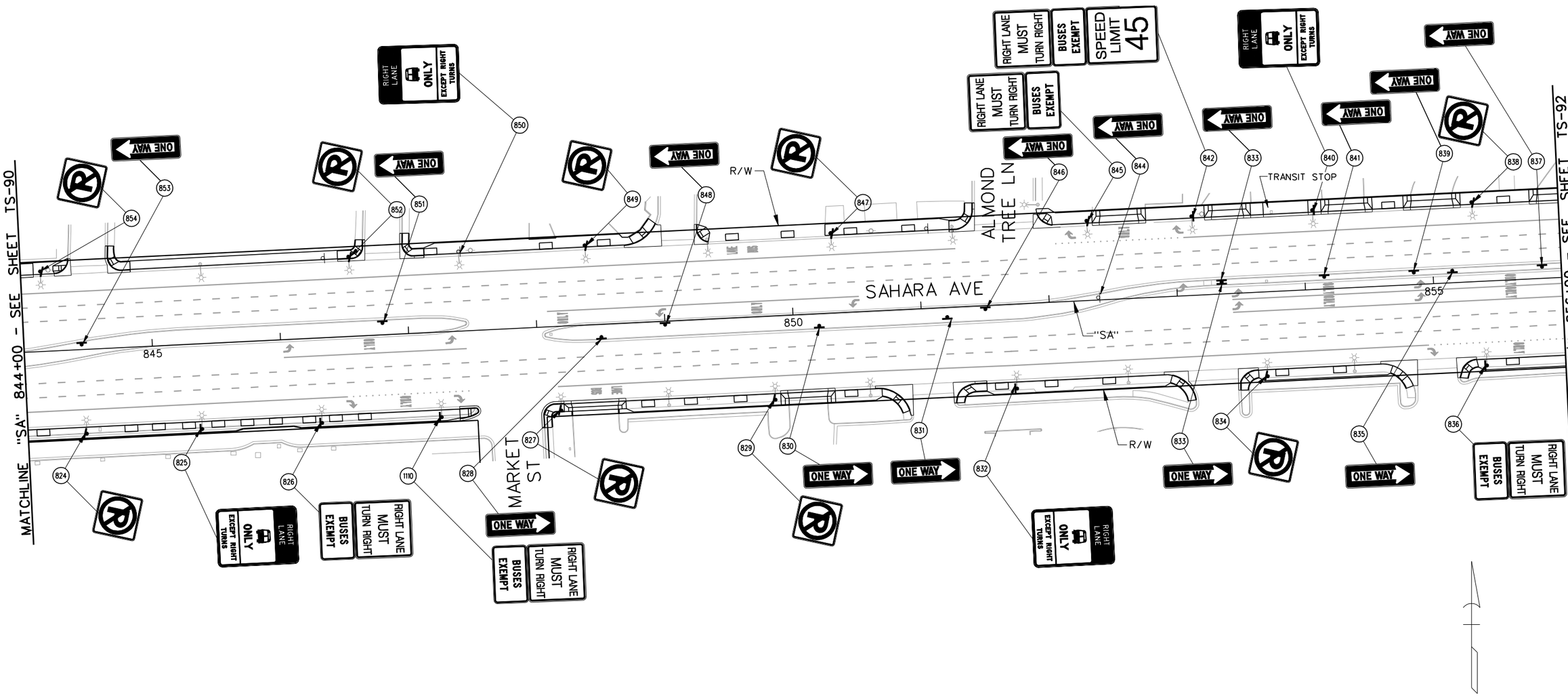
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-90
Sheet 394 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼— OR ✶—	☼—	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 844+00 to "SA" 856+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

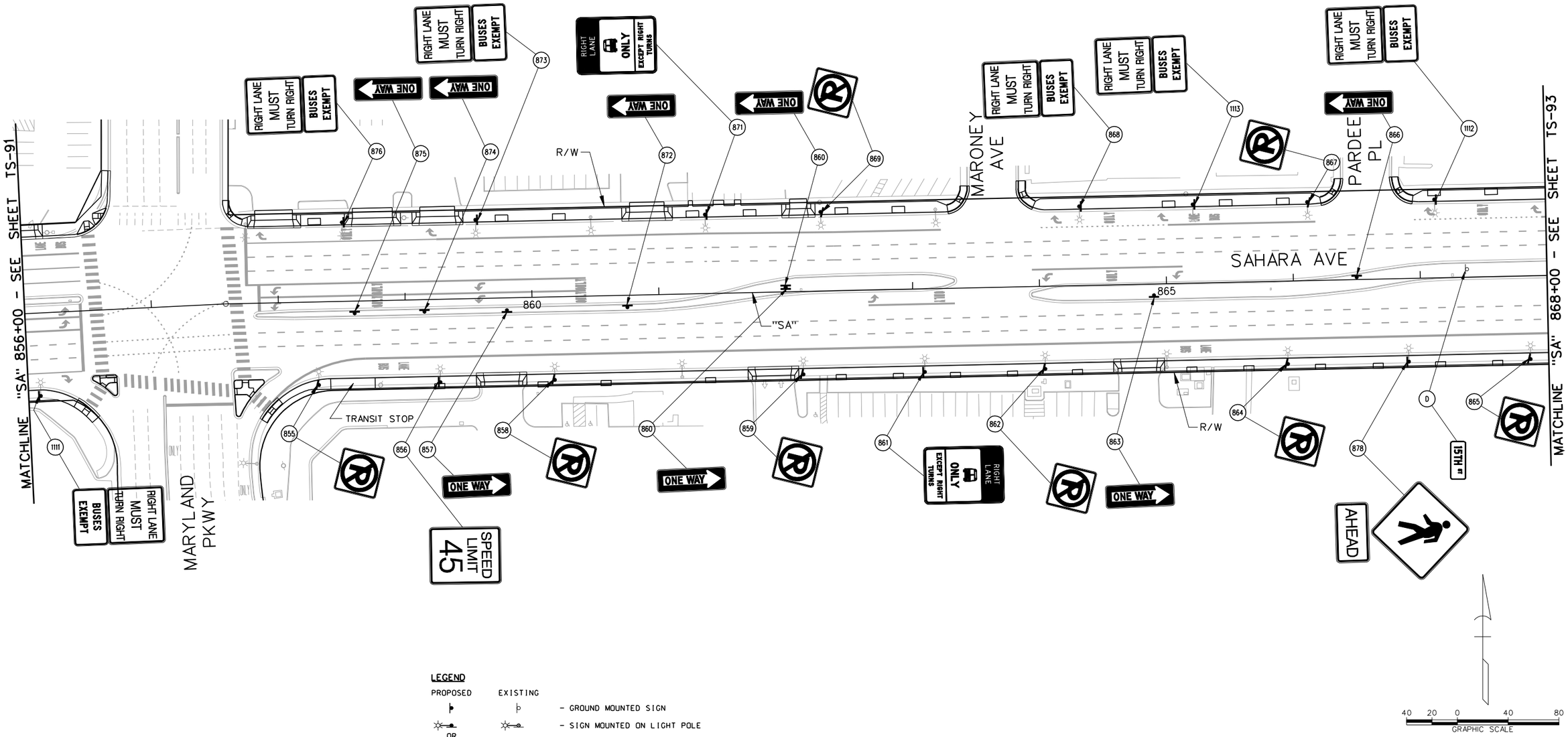
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-91

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶	✶	
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call Before You Do Overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 856+00 to "SA" 868+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

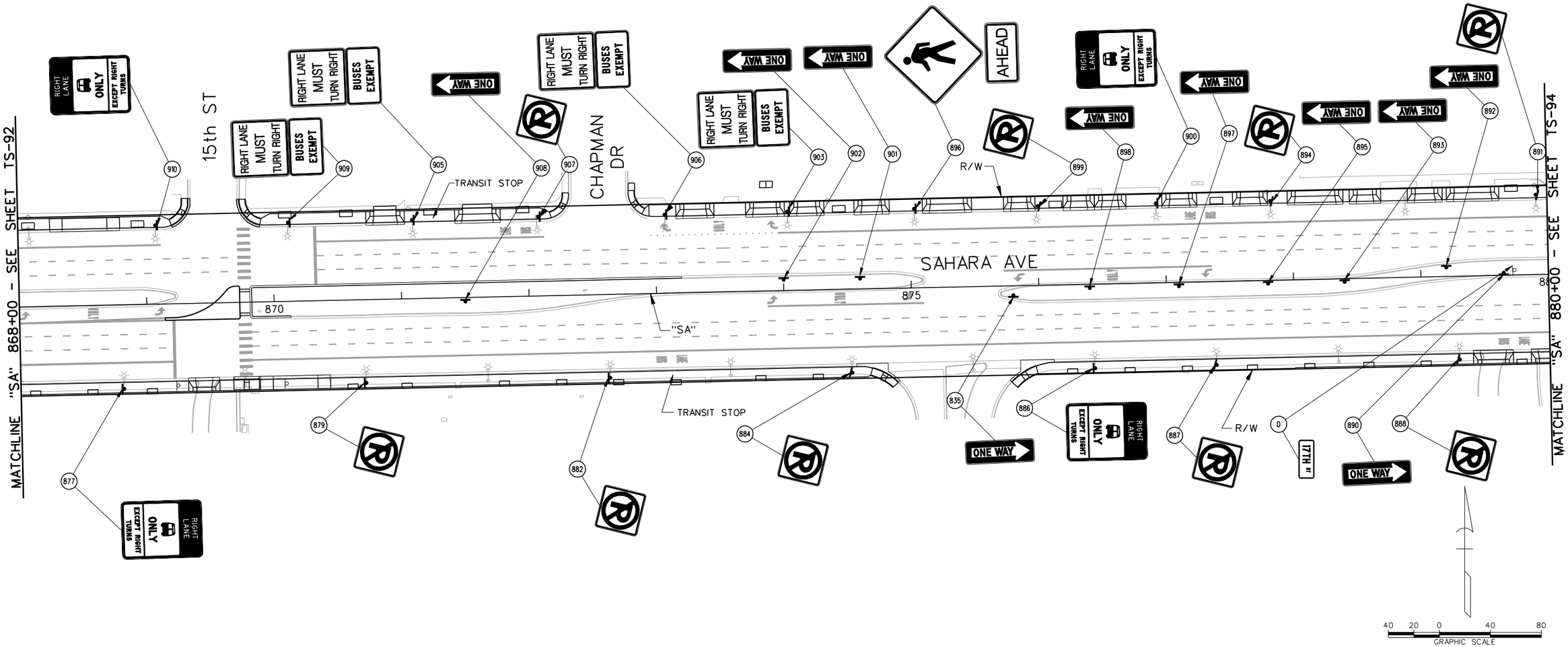
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-92

Sheet 396 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
▶	⊳	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR		
✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID DIGGING UNDERGROUND UTILITY LINES. IT'S CONTROL. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 868+00 to "SA" 880+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

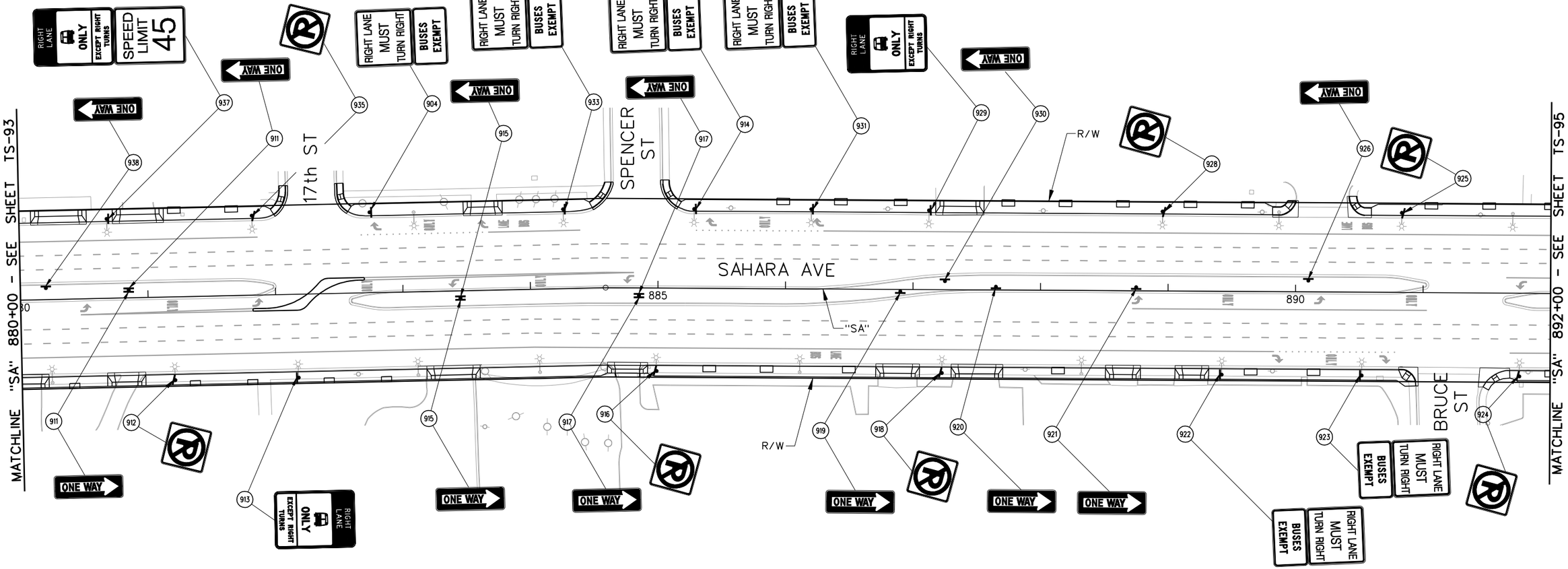
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HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-93

Sheet 397 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼	☼	- SIGN MOUNTED ON LIGHT POLE
OR ✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

40 20 0 40 80
GRAPHIC SCALE

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 880+00 to "SA" 892+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

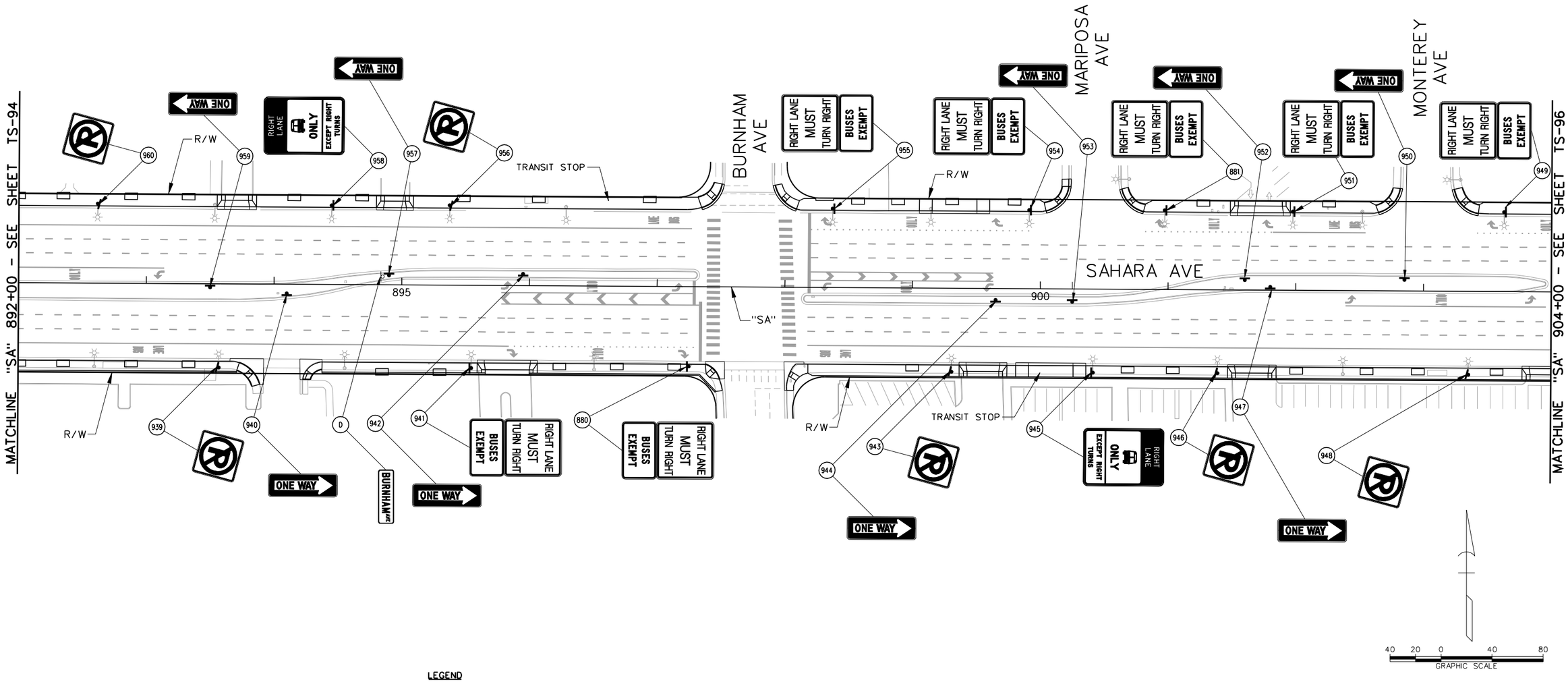
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-94
Sheet 398 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 892+00 to "SA" 904+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

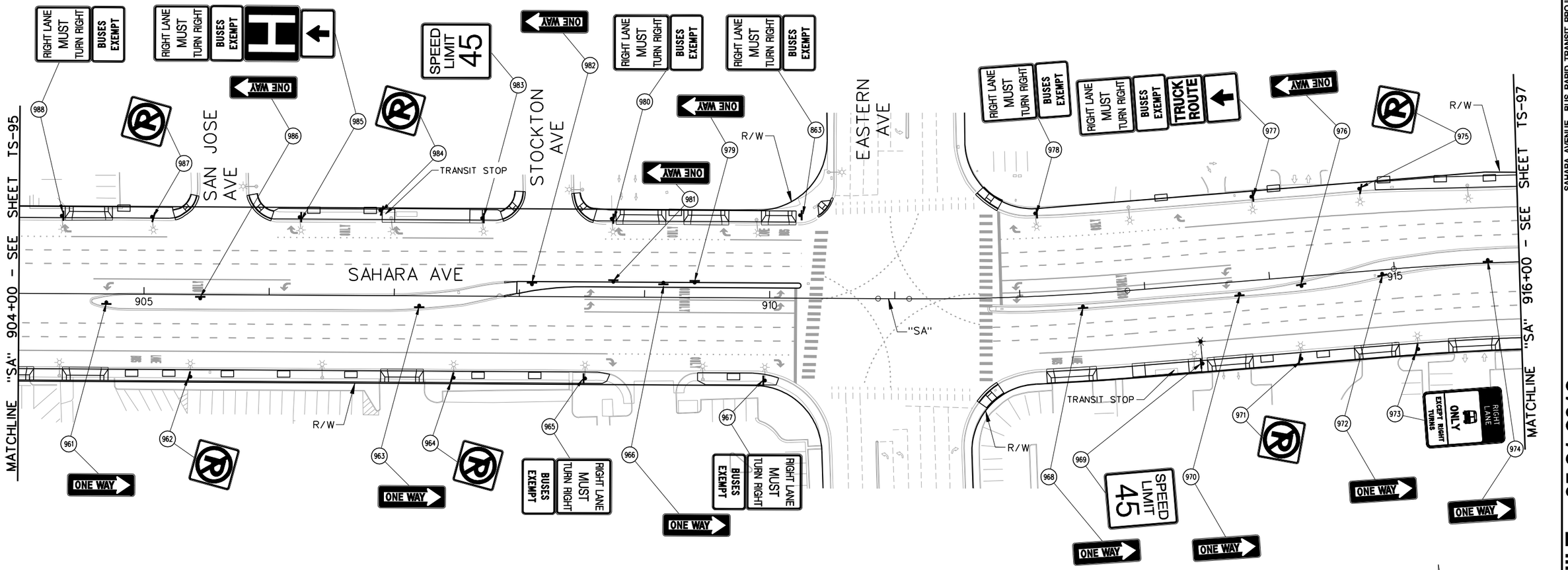
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VERT: NONE
FIELD BOOK: NONE

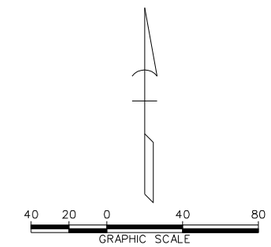
SHEET No. TS-95

Sheet 399 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 904+00 to "SA" 916+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

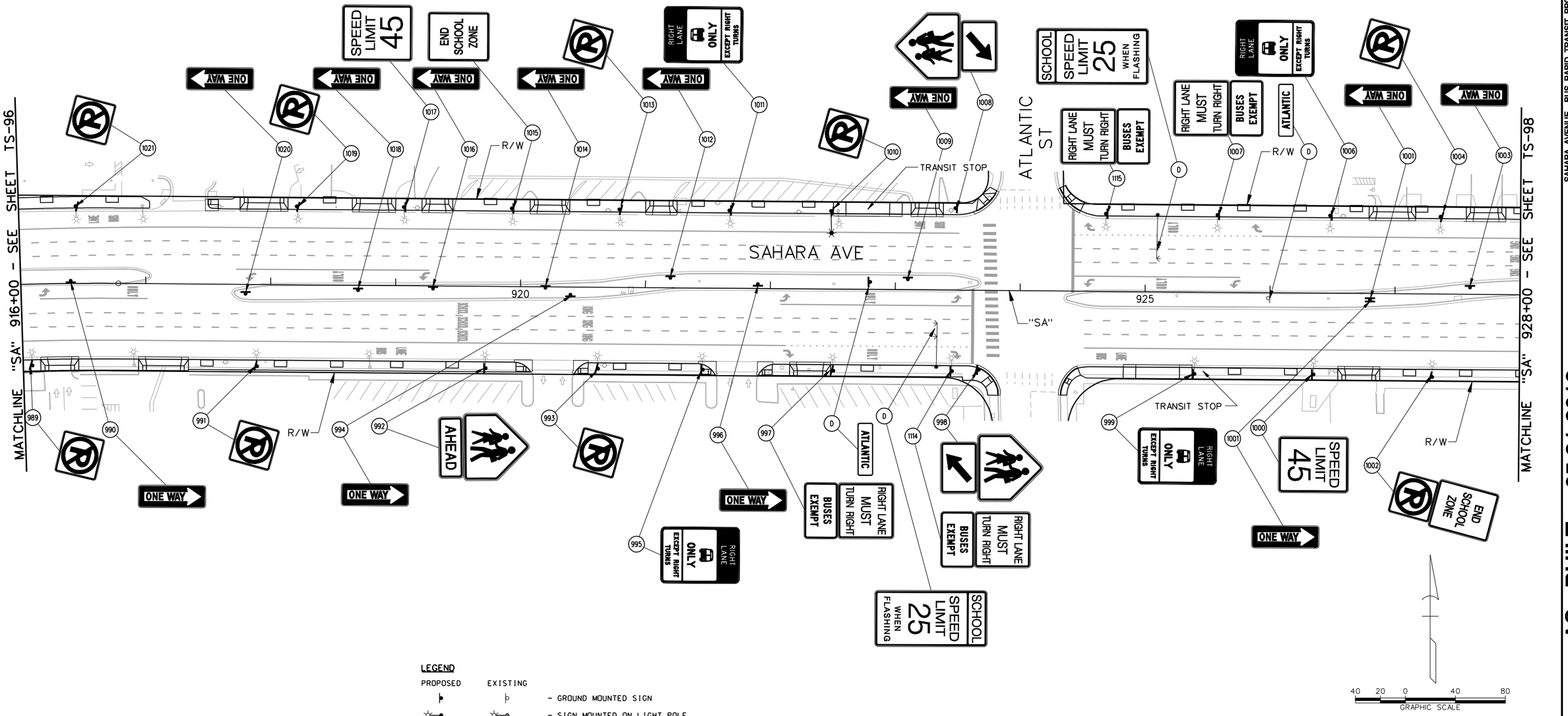
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-96

Sheet 400 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



LEGEND

PROPOSED	EXISTING	
▶	▷	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 916+00 to "SA" 928+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

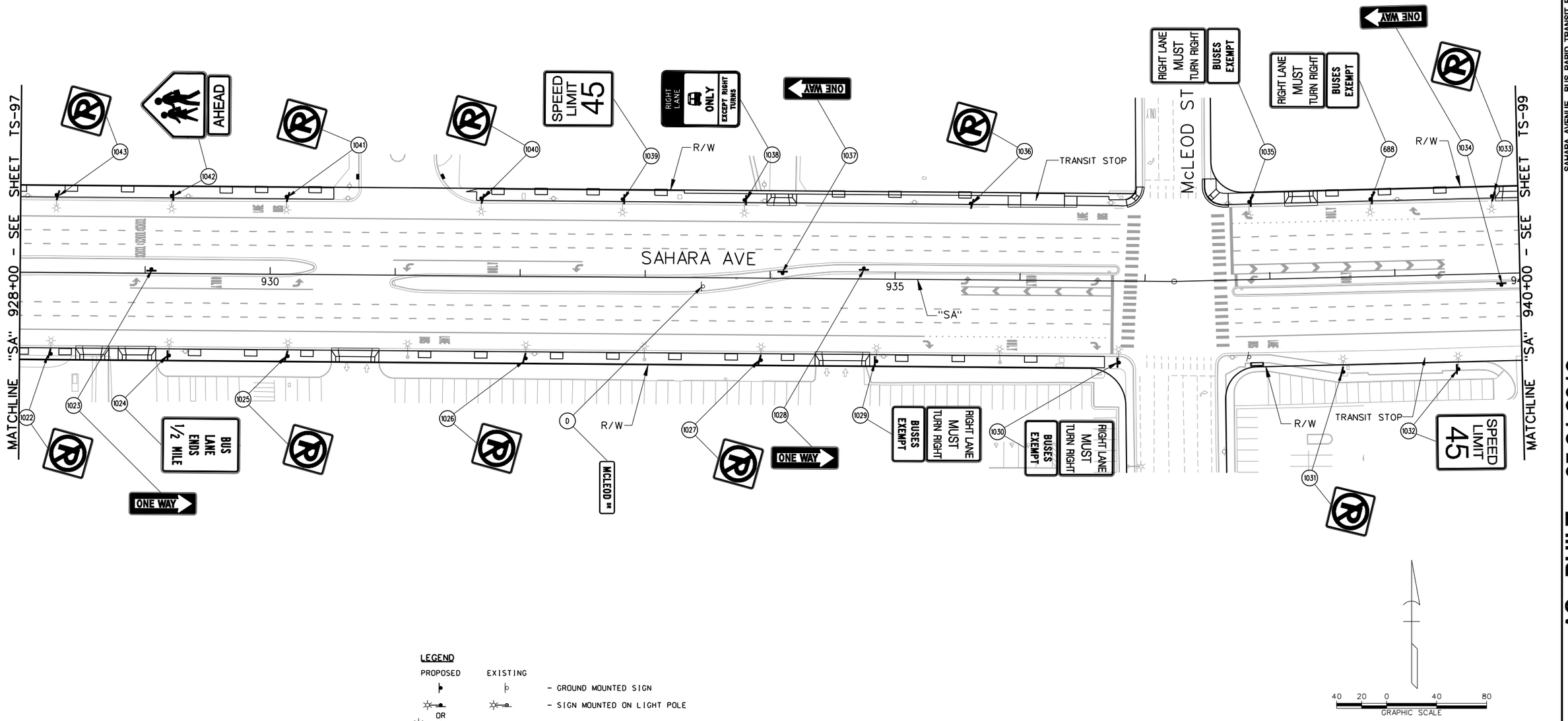
SCALE
HORIZ: AS SHOWN
VERT:
FIELD BOOK: NONE

SHEET No. TS-97

Sheet 401 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼ OR ✶	☼	- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 928+00 to "Pe" 940+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

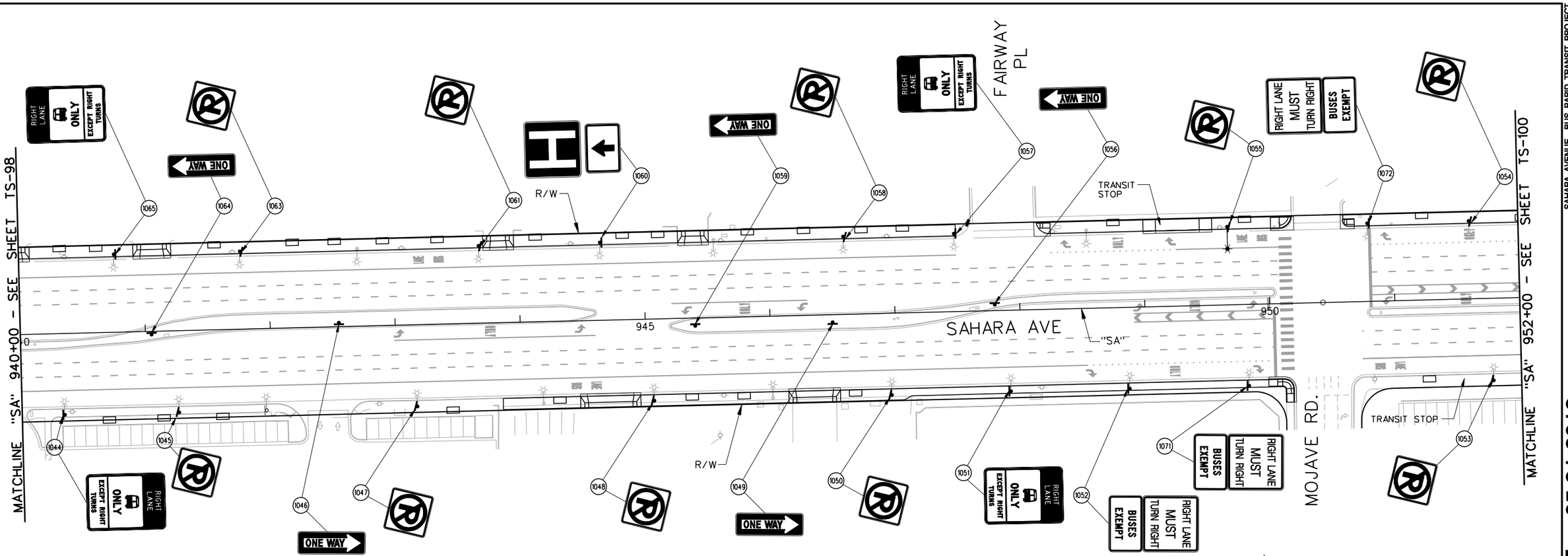
SCALE
HORIZ: AS SHOWN
VERT:
FIELD BOOK: NONE

SHEET No. TS-98

Sheet 402 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
		- GROUND MOUNTED SIGN
OR		- SIGN MOUNTED ON LIGHT POLE
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CUSTLY.
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CUSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 940+00 to "SA" 952+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

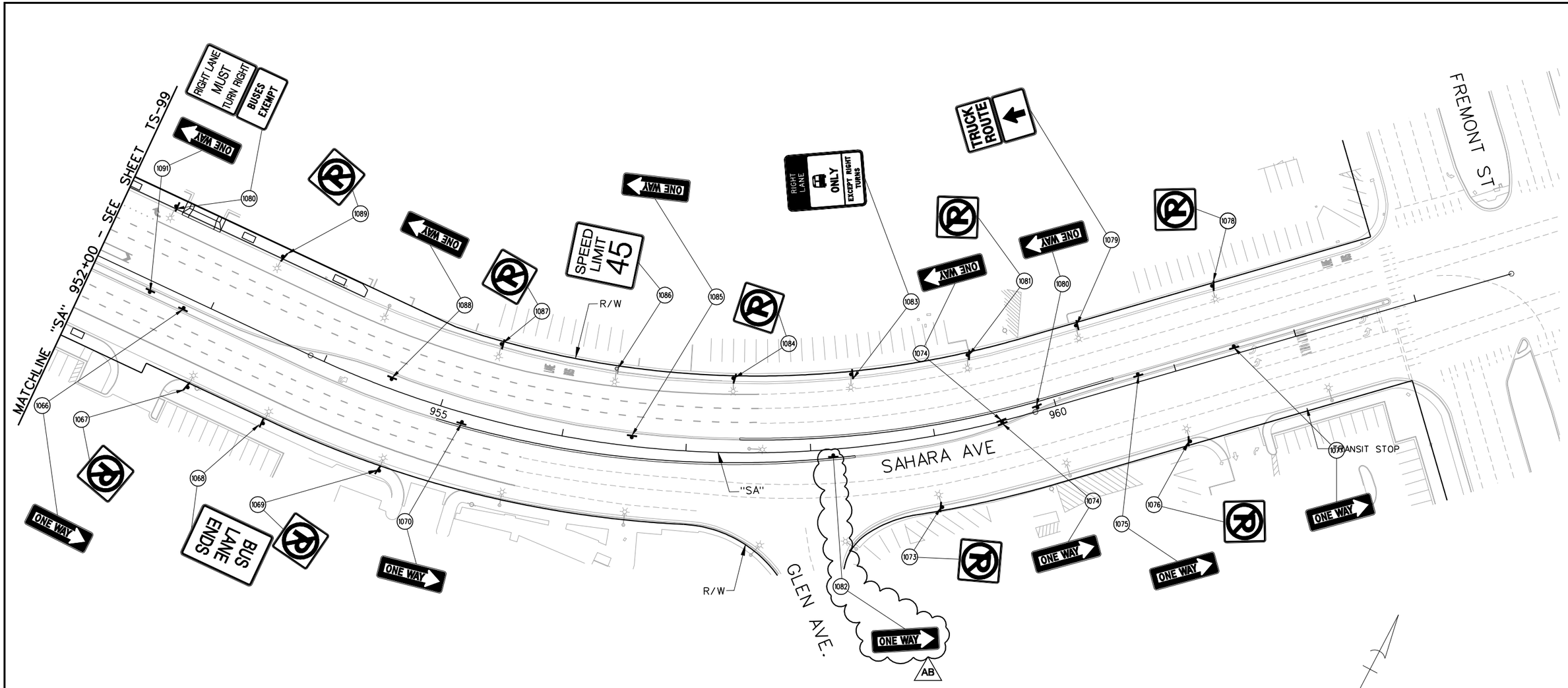
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-99

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



LEGEND

PROPOSED	EXISTING	
⊢	⊢	- GROUND MOUNTED SIGN
☼—	☼—	- SIGN MOUNTED ON LIGHT POLE
OR ✶		
	(XR)	- EXISTING SIGN TO BE REMOVED AND SALVAGED
	(D)	- DO NOT DISTURB - SIGN TO REMAIN
(Y)		- NEW SIGN INSTALLATION

40 20 0 40 80
GRAPHIC SCALE

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
Call before you OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SIGN REMOVAL NOTES:

1. REMAINING SIGN POST FOUNDATIONS AND POSTS SHALL BE FLUSH WITH THE SIDEWALK OR GROUND TO PREVENT TRIPPING HAZARD.
2. SIGNS NOT SHOWN SHALL NOT BE DISTURBED.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PERMANENT SIGN INSTALLATION PLAN

"SA" 952+00 to "SA" 962+79.68

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

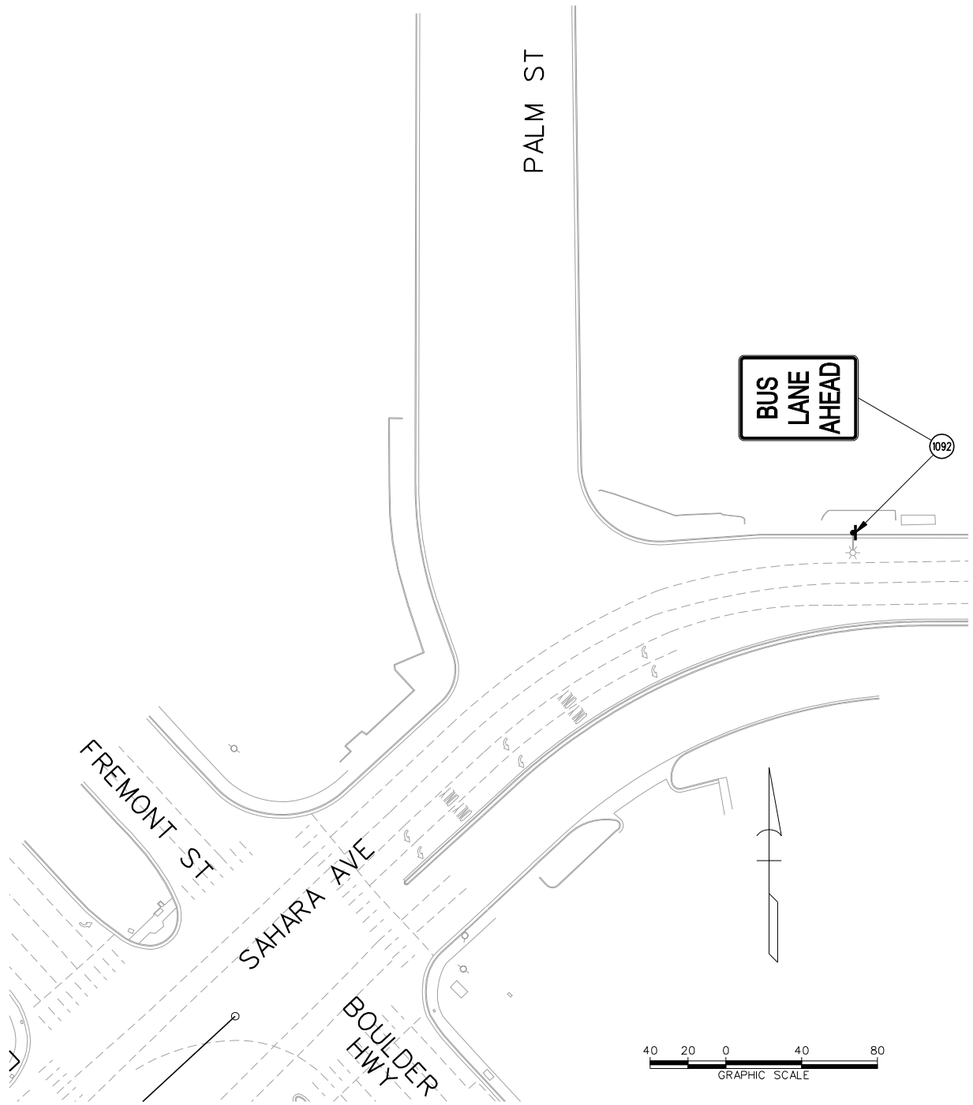
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-100

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



PERMANENT SIGNING CONSTRUCTION ITEMS:

1. REMOVE AND SALVAGE EXISTING SIGN PANEL AND POST.
2. INSTALL PERMANENT SIGN. GROUND MOUNTED AS SHOWN PER CCAUSD DWG NO 249A.
3. INSTALL K-71 MARKER.
4. INSTALL PERMANENT SIGN PANEL ON STREET LIGHT POLE AS SHOWN.
5. REMOVE AND RELOCATE EXISTING SIGN ON RELOCATED STREET LIGHT POLE.
6. REMOVE AND RELOCATE EXISTING SIGN ON TO NEW SIGN POST.
7. PROTECT EXISTING SIGN IN PLACE.
8. REMOVE AND SALVAGE EXISTING SIGN PANEL ON STREET LIGHT POLE.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGNING PLAN

BUS STOP - SAHARA AVENUE AND PALM STREET

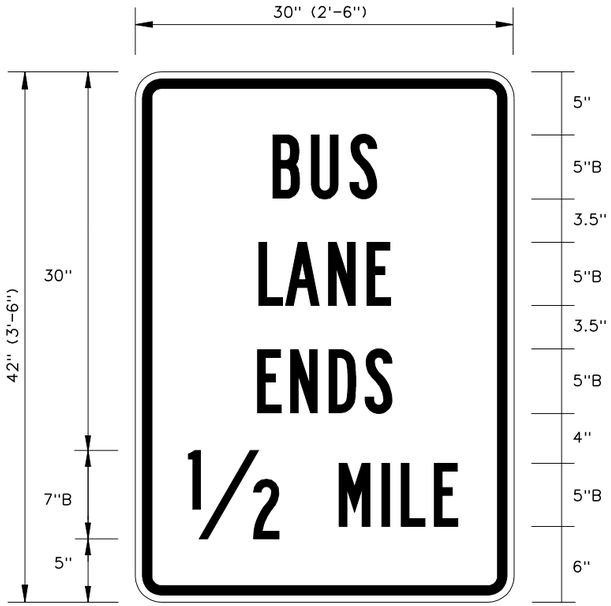
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

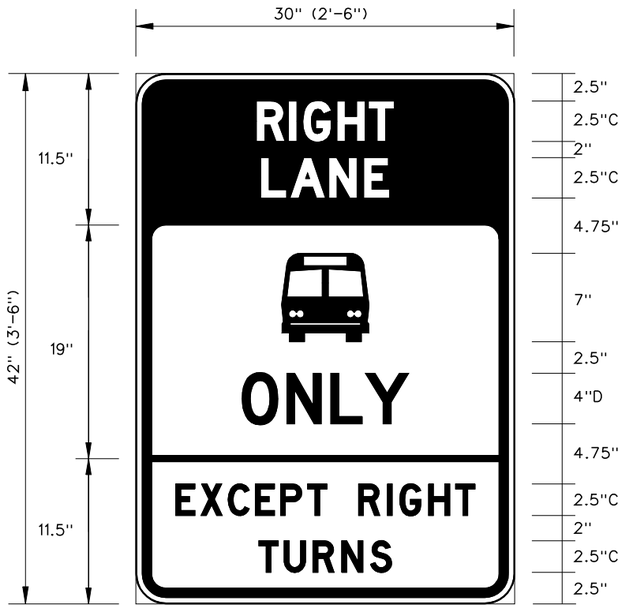
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No.
TS-101
Sheet 405 of 592



R3-12h

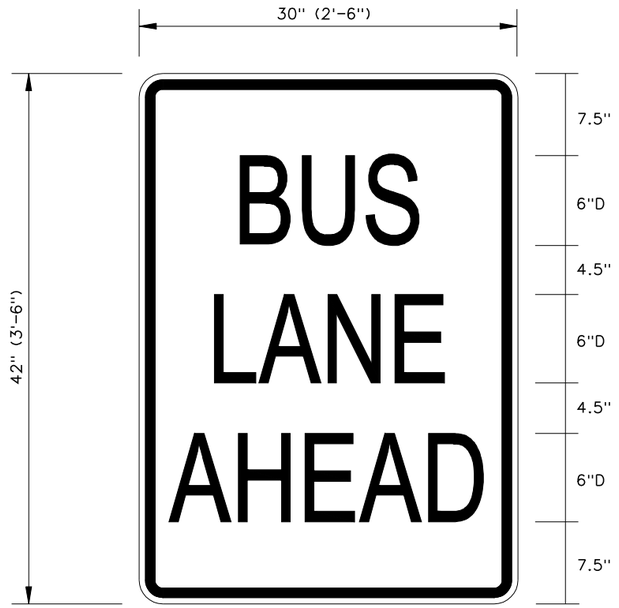
LEGEND & BORDER – BLACK
BACKGROUND – WHITE
CORNER RADIUS – 1.875"
BORDER THICKNESS – 0.75"
MARGIN – 0.5"



SP-1

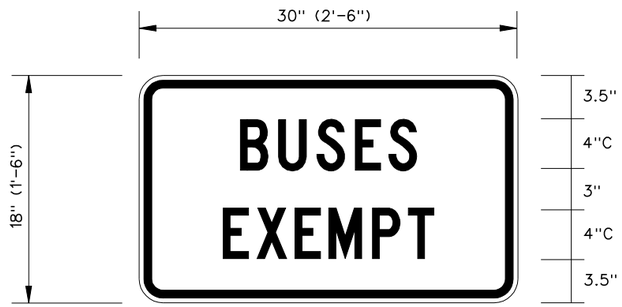
UPPER SECTION
LEGEND – WHITE
BACKGROUND – BLACK

LOWER SECTION
LEGEND & BORDER – BLACK
BACKGROUND – WHITE
CORNER RADIUS – 1.875"
BORDER THICKNESS – 0.75"
MARGIN – 0.5"



R3-12f

LEGEND & BORDER – BLACK
BACKGROUND – WHITE
CORNER RADIUS – 1.875"
BORDER THICKNESS – 0.75"
MARGIN – 0.5"



R3-BE

LEGEND & BORDER – BLACK
BACKGROUND – WHITE
CORNER RADIUS – 1.50"
BORDER THICKNESS – 0.75"
MARGIN – 0.5"

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
SIGN FORMATS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-102

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (In x In)	Loc	Sign Station	Inst No.
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 502+45	1R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"SA" 503+55	2R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 503+55	3R
627.03	Sahara Avenue	NO U-TURN (SYMBOL)	4.00	24 X 24	RT	"SA" 504+75	4R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 506+00	5R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 508+50	6R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 510+75	7R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 516+00	8R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 516+10	9R
627.03	Sahara Avenue	SIGNAL AHEAD (SYMBOL)	6.25	30 X 30	RT	"SA" 520+25	10R
627.03	Sahara Avenue	SCHOOL (SYMBOL)	6.25	30 X 30	-	"SA" 521+40	11R
627.03	Sahara Avenue	SCHOOL (SYMBOL)	6.25	30 X 30	RT	"SA" 521+40	12R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 524+45	13R
627.03	Sahara Avenue	SCHOOL (SYMBOL)	6.25	30 X 30	RT	"SA" 526+55	14R
627.03	Sahara Avenue	SCHOOL (SYMBOL)	6.25	30 X 30	RT	"SA" 526+45	15R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 527+00	16R
627.03	Sahara Avenue	SCHOOL (SYMBOL)	6.25	30 X 30	RT	"SA" 526+55	17R
627.03	Sahara Avenue	SCHOOL (SYMBOL)	6.25	30 X 30	LT	"SA" 526+55	18R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 522+20	19R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 524+70	20R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 519+30	21R
627.03	Sahara Avenue	NO U-TURN (SYMBOL)	4.00	24 X 24	RT	"SA" 517+65	22R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"SA" 531+55	23R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 531+55	24R
627.03	Sahara Avenue	NO U-TURN (SYMBOL)	4.00	24 X 24	RT	"SA" 531+40	25R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 534+40	26R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 536+40	27R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 537+15	28R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 535+20	29R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 532+70	30R
627.03	Sahara Avenue	SIGNAL AHEAD (SYMBOL)	6.25	30 X 30	LT	"SA" 532+10	31R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 531+40	32R
627.03	Sahara Avenue	SCHOOL (SYMBOL)	6.25	30 X 30	-	"SA" 530+25	33R
627.03	Sahara Avenue	SCHOOL (SYMBOL)	6.25	30 X 30	LT	"SA" 530+40	34R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 541+30	35R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 546+10	36R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 548+55	37R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	RT	"SA" 549+10	38R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 550+85	39R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 550+95	40R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 547+70	41R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 543+05	42R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	RT	"SA" 551+60	43R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 558+00	44R
627.03	Sahara Avenue	DO NOT - ENTER	6.25	30 X 30	RT	"SA" 559+60	45R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 562+80	46R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 562+70	47R
627.03	Sahara Avenue	DO NOT - ENTER	6.25	30 X 30	LT	"SA" 558+85	48R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	4.00	24 X 24	LT	"SA" 556+00	49R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	6.25	30 X 30	LT	"SA" 556+20	50R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	4.00	24 X 24	LT	"SA" 553+30	51R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	6.25	30 X 30	LT	"SA" 553+25	52R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 565+40	53R
627.03	Sahara Avenue	NO U-TURN (SYMBOL)	4.00	24 X 24	RT	"SA" 566+90	54R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 567+55	55R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 570+00	56R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 572+40	57R
627.03	Sahara Avenue	NO U-TURN (SYMBOL)	4.00	24 X 24	RT	"SA" 573+65	58R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 567+95	59R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 565+80	60R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 565+05	61R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 575+30	62R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 578+85	63R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 580+50	64R

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PROJECT No: CB 1088 DRAWN BY: GPV

DESIGNED BY: NLG CHECKED BY: RJP

APPROVED BY: RJP

THE Louis Berger Group, INC.

990 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6636 • FAX (702) 796-6704

SCALE

HORIZ: NONE

VERT: NONE

FIELD BOOK: NONE

SHEET No. TS-103

Sheet 407 of 592

AS - BUILT - 05.31.2012

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (in x in)	Loc	Sign Station	Inst No.
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 582+15	65R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 583+10	66R
627.03	Sahara Avenue	SPEED - LIMIT - 45 NO PARKING (SYMBOL)	5.00 4.00	24 X 30 24 X 24	RT	"SA" 586+65	67R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 525+00	68R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 584+40	69R
627.03	Sahara Avenue	NO PARKING (SYMBOL) TRANSIT STOP - 204	4.00 1.50	24 X 24 12 X 18	LT	"SA" 582+00	70R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	"SA" 579+60	71R
627.03	Sahara Avenue	NO PARKING (SYMBOL) SPEED - LIMIT - 45	4.00 5.00	24 X 24 24 X 30	LT	"SA" 579+60	72R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 589+35	73R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 592+20	74R
627.03	Sahara Avenue Reset Duck Crossign Sign to Installation No. 136	DUCK CROSSING (SYMBOL) TRANSIT STOP - 204	16.00 1.50	48 X 48 12 X 18	RT	"SA" 595+40	75R
627.03 627.03	Sahara Avenue	NO PARKING (SYMBOL) DUAL ARROW	4.00 1.13	24 X 24 18 X 9	RT	"SA" 598+70	76R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 592+90	77R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 589+00	78R
627.03	Sahara Avenue	NO U-TURN (SYMBOL)	4.00	24 X 24	RT	"SA" 601+30	79R
627.03	Sahara Avenue	NO PARKING (SYMBOL) DUAL ARROW	4.00 1.13	24 X 24 18 X 9	RT	"SA" 602+35	80R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"SA" 603+50	81R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	RT	"SA" 607+00	82R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 609+00	83R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 609+55	84R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 610+80	85R
627.03	Sahara Avenue	NO PARKING (SYMBOL) RIGHT LANE - MUST - TURN RIGHT	4.00 6.25	24 X 24 30 X 30	LT	"SA" 610+30	86R
627.03	Sahara Avenue	NO PARKING (SYMBOL) RIGHT LANE - MUST - TURN RIGHT	4.00 6.25	24 X 24 30 X 30	LT	"SA" 609+10	87R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 605+80	88R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"SA" 603+50	89R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 603+00	90R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 623+75	91R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 613+00	92R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 615+00	93R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 619+60	94R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 620+00	95R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 617+90	96R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 615+90	97R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 622+80	98R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 625+60	99R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 626+80	100R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 630+75	101R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 629+85	102R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 631+40	103R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 632+15	104R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 630+60	105R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	LT	"SA" 629+10	106R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 626+70	107R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 625+05	108R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 622+45	109R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 633+15	110R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 635+45	111R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 636+10	112R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 636+90	113R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"SA" 637+20	114R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 637+70	115R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 638+40	116R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 640+75	117R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 643+95	118R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 637+70	119R
627.03	Sahara Avenue	TRANSIT STOP - 204 NO PARKING (SYMBOL)	1.50 4.00	12 X 18 24 X 24	RT	"SA" 636+70	120R

REV. NO. | DATE | DESCRIPTION | APPROVED

REV. NO.	DATE	DESCRIPTION	APPROVED
4	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PROJECT No: CB 1088 DRAWN BY: GPV

DESIGNED BY: NLG CHECKED BY: RJP

APPROVED BY: RJP

THE Louis Berger Group, INC.

500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6626 • FAX (702) 796-0704

SCALE

HORIZ: NONE

VERT: NONE

FIELD BOOK: NONE

SHEET No.

TS-104

Sheet 408 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (in x in)	Loc	Sign Station	Inst No.
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 635+85	121R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 635+40	122R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	LT	"SA" 647+75	123R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 648+50	124R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 649+00	125R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 651+05	126R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 652+20	127R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 653+30	128R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 655+35	129R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 656+95	130R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 654+95	131R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 652+80	132R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 651+00	133R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	LT	"SA" 649+75	134R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	LT	"SA" 648+10	135R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 647+80	136R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 646+50	137R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 645+40	138R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 657+40	139R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	LT	"SA" 658+15	140R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	RT	"SA" 659+25	141R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 659+85	142R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 662+10	143R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 670+40	144R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"SA" 679+20	145R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"SA" 662+90	146R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 693+45	147R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	LT	"SA" 665+20	148R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 665+70	149R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 668+30	150R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 663+80	151R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	LT	"SA" 663+05	152R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	LT	"SA" 662+20	153R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 659+05	154R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"SA" 658+35	155R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 669+65	156R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 671+35	157R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 672+670	158R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 673+35	159R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 675+75	160R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 676+05	161R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 6677+75	162R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 678+70	163R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 680+10	164R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 677+60	165R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 675+60	166R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 672+65	167R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 671+20	168R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 689+95	169R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 686+04	170R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 688+50	171R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 689+10	172R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 690+10	173R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 691+05	174R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 691+50	175R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 692+50	176R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 691+65	177R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 688+90	178R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 697+25	179R

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
600 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6626 • FAX (702) 796-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-105

Sheet 409 of 592

AS - BUILT - 05.31.2012

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (in x in)	Loc	Sign Station	Inst No.
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 698+30	180R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 698+55	181R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 700+00	182R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 703+50	183R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 704+75	184R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 702+45	185R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	LT	"SA" 700+20	186R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 699+80	187R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	LT	"SA" 697+20	188R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 696+00	189R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	LT	"SA" 695+35	190R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 693+60	191R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 705+05	192R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 705+80	193R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 707+10	194R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 708+70	195R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 709+80	196R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 711+00	197R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 711+50	198R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 712+25	199R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 712+65	200R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 713+40	201R
627.03	Sahara Avenue	BEGIN EAST NEVADA 589 (SHIELD)	2.00 2.00 4.00	24 X 12 24 X 12 24 X 24	RT	"Pe" 34+80	202R
627.03	Sahara Avenue	TRANSIT STOP - 204 NO - PARKING - ANY - TIME	1.50 5.00	12 X 18 24 X 30	RT RT	"Pe" 33+70	203R
627.03	Sahara Avenue	END	2.00	24 X 12	RT	"Pe" 34+80	204R
627.03		WEST NEVADA 589 (SHIELD)	2.00 4.00	24 X 12 24 X 24			
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 712+10	205R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 710+60	206R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"SA" 708+75	207R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 35+30	208R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"Pe" 39+25	209R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"Pe" 36+20	210R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"Pe" 39+60	211R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"Pe" 40+00	212R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"Pe" 40+90	213R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"Pe" 44+15	214R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	LT	"Pe" 46+75	215R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 45+65	216R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 41+25	217R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	LT	"Pe" 38+35	218R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	LT	"Pe" 37+50	219R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"Pe" 36+25	220R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	"Pe" 36+20	221R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"Pe" 47+50	222R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"Pe" 48+65	223R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"Pe" 49+75	224R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"Pe" 50+55	225R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"Pe" 52+20	226R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 54+35	227R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 56+75	228R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"Pe" 54+50	229R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"Pe" 50+10	230R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	LT	"Pe" 49+00	231R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	LT	"Pe" 48+15	232R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"Pe" 58+30	233R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	3.00	18 X 24	LT	"SA" 501+60	234R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"Pe" 60+90	235R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"Pe" 61+40	236R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 62+35	237R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 63+90	238R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 65+10	239R

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6626 • FAX (702) 796-0704

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-106

Sheet 410 of 592

AS - BUILT - 05.31.2012

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (In x In)	Loc	Sign Station	Inst No.
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"Pe" 66+70	240R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 64+70	241R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 62+40	242R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 818+45	243R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"Pe" 58+40	244R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 72+70	245R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"Pe" 74+22	246R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 75+40	247R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"Pe" 75+50	248R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 76+85	249R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	RT	"Pe" 77+95	250R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"Pe" 78+65	251R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 79+05	252R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"Pe" 79+75	253R
627.03	Sahara Avenue	NO LEFT TURN (SYMBOL)	4.00	24 X 24	RT	"Pe" 78+65	254R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"Pe" 78+65	255R
627.03	Sahara Avenue	EL CAMINO	3.50	42 X 12	-	"Pe" 75+40	256R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 74+90	257R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME DEAD END RIGHT ARROW	5.00 3.00	24 X 30 36 X 12	LT	"Pe" 72+75	258R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 81+10	259R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	RT	"Pe" 83+20	260R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 85+60	261R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"Pe" 86+90	262R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"Pe" 86+75	263R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"Pe" 87+90	264R
627.03	Sahara Avenue	NO LEFT TURN (SYMBOL)	4.00	24 X 24	-	"Pe" 91+05	265R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"Pe" 91+05	266R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 91+90	267R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"Pe" 92+90	268R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"Pe" 91+05	269R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"Pe" 90+15	270R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 621+10	271R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 86+65	272R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"Pe" 84+20	273R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	"Pe" 81+75	274R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 93+85	275R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 95+85	276R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"Pe" 99+10	277R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"Pe" 99+40	278R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"Pe" 100+70	279R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 100+60	280R
627.03	Sahara Avenue	DO NOT - ENTER	6.25	30 X 30	RT	"Pe" 100+95	281R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"Pe" 101+95	282R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 103+00	283R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 102+15	284R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 638+35	285R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 101+10	286R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 100+05	287R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 98+40	288R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 96+90	289R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 106+85	290R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"Pe" 109+05	291R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"Pe" 111+90	292R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 681+90	293R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 682+90	294R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 683+70	295R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 685+80	296R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	RT	"SA" 686+00	297R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	LT	"SA" 686+50	298R
627.03	Sahara Avenue	SPEED - LIMIT - 45 TRANSIT STOP - 204	5.00 1.50	24 X 30 12 X 18	LT	"SA" 685+70	299R
						(LEFT BLANK INTENTIONALLY)	300R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"Pe" 113+05	301R

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO. | DATE | DESCRIPTION | APPROVED
A | 5/31/12 | AS-BUILT | RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
990 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6636 • FAX (702) 796-6704

PROJECT No: CB 1088 | DRAWN BY: GPV
DESIGNED BY: NLG | CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-107

Sheet 411 of 592

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (in x in)	Loc	Sign Station	Inst No.
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"Pe" 114+90	302R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 115+45	303R
						(LEFT BLANK INTENTIONALLY)	304R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 111+80	305R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"Pe" 109+20	306R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 107+20	307R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"Pe" 117+05	308R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 119+10	309R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"Pe" 121+25	310R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	LT	"SA" 684+00	311R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 123+40	312R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"Pe" 124+05	313R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 125+40	314R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 696+60	315R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 123+40	316R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"Pe" 121+95	317R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 121+40	318R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 119+28	319R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 117+20	320R
						(LEFT BLANK INTENTIONALLY)	321R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 131+45	322R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 133+45	323R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	RT	"Pe" 134+70	324R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 136+65	325R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"Pe" 138+05	326R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"Pe" 139+70	327R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 140+20	328R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	LT	"Pe" 137+90	329R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	LT	"Pe" 136+40	330R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	"Pe" 132+45	331R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 131+80	332R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"Pe" 129+55	333R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"Pe" 143+15	334R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 147+65	335R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 150+25	336R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"Pe" 152+25	337R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 151+60	338R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"Pe" 145+55	339R
627.03	Sahara Avenue	HANDICAP (SYMBOL) - RIGHT ARROW	3.00	18 X 24	LT	"Pe" 145+55	340R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 144+20	341R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 142+20	342R
						(LEFT BLANK INTENTIONALLY)	343R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 156+35	344R
						(LEFT BLANK INTENTIONALLY)	345R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 160+65	346R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 162+75	347R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 1164+55	348R
						(LEFT BLANK INTENTIONALLY)	349R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 162+75	350R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"Pe" 158+10	351R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 154+40	352R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 167+60	353R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 168+75	354R
						(LEFT BLANK INTENTIONALLY)	356R
627.03	Sahara Avenue	SCHOOL (SYMBOL) AHEAD	6.25 2.00	30 X 30 24 X 12	RT	"Pe" 172+40	356R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 173+55	357R
						(LEFT BLANK INTENTIONALLY)	358R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 174+75	359R
627.03	Sahara Avenue	DO NOT - BLOCK - INTERSECTION	5.00	24 X 30	RT	"Pe" 175+95	360R
627.03	Sahara Avenue	END - SCHOOL - ZONE	5.00	24 X 30	LT	"Pe" 1773+65	361R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"Pe" 177+90	362R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 166+40	363R

REV. NO. | DATE | DESCRIPTION | APPROVED
A | 5/31/12 | AS-BUILT | RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PROJECT No: CB 1088 | DRAWN BY: GPV
DESIGNED BY: NLG | CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6626 • FAX (702) 796-0704

SCALE: HORIZ: NONE | VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-108

Sheet 412 of 592

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (in x in)	Loc	Sign Station	Inst No.
627.03	Sahara Avenue	SCHOOL (SYMBOL) DIAGONAL ARROW	6.25 2.19	30 X 30 21 X 15	RT	"Pe" 178+65	364R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"Pe" 178+30	365R
627.03	Sahara Avenue	END - SCHOOL - ZONE	5.00	24 X 30	RT	"Pe" 179+55	366R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	RT	"Pe" 183+05	367R
627.03	Sahara Avenue	SOUTH INTERSTATE 15 (SHIELD) UP ARROW	2.00 4.00 2.19	24 X 12 24 X 24 21 X 15	RT	"Pe" 184+25	368R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	RT	"Pe" 185+45	369R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	LT	"Pe" 187+30	370R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 184+20	371R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	"Pe" 182+70	372R
627.03	Sahara Avenue	SCHOOL (SYMBOL) AHEAD	6.25 2.00	30 X 30 24 X 12	LT	"Pe" 181+40	373R
						(LEFT BLANK INTENTIONALLY)	374R
627.03	Sahara Avenue	SCHOOL (SYMBOL) DIAGONAL ARROW	6.25 2.19	30 X 30 21 X 15	LT	"Pe" 176+60	375R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"Pe" 188+00	376R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"Pe" 189+15	377R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 189+95	378R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 192+15	379R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 198+10	380R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 198+05	381R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"Pe" 199+04	382R
						(LEFT BLANK INTENTIONALLY)	383R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 199+70	384R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	"Pe" 199+40	385R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 192+70	386R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	LT	"Pe" 188+05	387R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"Pe" 203+40	388R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 204+05	389R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 206+05	390R
						(LEFT BLANK INTENTIONALLY)	391R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 210+55	392R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 210+05	393R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 205+80	394R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 210+40	395R
627.03	Sahara Avenue	LEFT ARROW NO OUTLET	3.00	36 x 12	LT	"Pe" 212+20	396R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 214+35	397R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"Pe" 217+15	398R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"Pe" 222+00	399R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 221+25	400R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 216+95	401R
						(LEFT BLANK INTENTIONALLY)	402R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 215+15	403R
627.03	Sahara Avenue	DO NOT - BLOCK - INTERSECTION	5.00	24 X 30	-	"Pe" 231+80	404R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"Pe" 233+85	405R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"Pe" 234+95	406R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	"SA" 806+05	407R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	LT	"Pe" 230+45	408R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	LT	"Pe" 228+45	409R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	6.25	30 X 30	LT	"Pe" 226+45	410R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	LT	"Pe" 223+25	411R
627.03	Sahara Avenue	EAST NEVADA 589 (SHIELD)	2.00 4.00	24 X 12 24 X 24	RT	"SA" 808+10	412R
627.03	Sahara Avenue	NO - TURNS	4.00	24 X 24	RT	"SA" 812+85	413R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 819+60	414R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 816+50	415R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 813+10	416R
627.03	Sahara Avenue	DO NOT - BLOCK - INTERSECTION	5.00	24 X 30	RT	"SA" 811+50	417R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 810+25	418R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 809+00	419R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 820+40	420R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 829+50	421R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"SA" 830+65	422R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 831+95	423R

REV. NO.	DATE	DESCRIPTION	APPROVED
1	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PROJECT No: CB 1088 DRAWN BY: GPV

DESIGNED BY: NLG CHECKED BY: RJP

APPROVED BY: RJP

THE Louis Berger Group, INC.

900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6626 • FAX (702) 796-0704

SCALE
HORIZ: NONE
VERT: NONE

FIELD BOOK: NONE

SHEET No. TS-109

Sheet 413 of 592

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (in x in)	Loc	Sign Station	Inst No.
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 831+00	424R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 830+10	425R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	*SA* 826+60	426R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	*SA* 826+60	427R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 825+80	428R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 824+25	429R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 823+05	430R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 822+35	431R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 821+45	432R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 820+50	433R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	*SA* 837+75	434R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	*SA* 843+45	435R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 843+70	436R
627.03	Sahara Avenue	COMMERCIAL - CENTER DR	3.00	36 X 12	LT	*SA* 843+20	437R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	*SA* 843+05	438R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	*SA* 842+00	439R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 838+45	440R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 837+45	441R
					(LEFT BLANK INTENTIONALLY)		442R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 832+80	443R
627.03	Sahara Avenue	RIGHT TURN (ARROW) - ONLY	5.00	24 X 30	RT	*SA* 847+40	444R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	*SA* 851+10	445R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	*SA* 851+70	446R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	*SA* 853+15	447R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	-	*SA* 852+40	448R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS LEFT ARROW	1.50 1.13	12 X 18 18 X 9	LT	*SA* 851+25	449R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 850+35	450R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 849+50	451R
627.03	Sahara Avenue	DO NOT - ENTER	6.25	30 X 30	RT	*SA* 847+40	452R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 847+40	453R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 845+40	454R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	*SA* 845+00	455R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	*SA* 861+15	456R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	*SA* 861+15	457R
						(LEFT BLANK INTENTIONALLY)	458R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	*SA* 867+10	459R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	*SA* 869+10	460R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	*SA* 869+95	461R
627.03	Sahara Avenue	TRANSIT STOP - 204 NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	1.50 4.00 4.00	12 X 18 24 X 24 24 X 24	RT	*SA* 873+55	462R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	*SA* 877+40	463R
						(LEFT BLANK INTENTIONALLY)	464R
627.03	Sahara Avenue	NO PARKING (SYMBOL) LEFT ARROW	4.00 1.13	24 X 24 18 X 9	LT	*SA* 870+15	465R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	*SA* 869+10	466R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	LT	*SA* 868+10	467R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	*SA* 880+25	468R
					(LEFT BLANK INTENTIONALLY)		469R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME - LEFT ARROW	5.00	24 X 30	RT	*SA* 890+50	470R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - LEFT ARROW	4.00 4.00	24 X 24 24 X 24	RT	*SA* 891+75	471R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	*SA* 883+10	472R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	*SA* 880+70	473R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	*SA* 892+45	474R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	*SA* 892+60	475R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	*SA* 893+55	476R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	*SA* 894+35	477R
						(LEFT BLANK INTENTIONALLY)	478R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	*SA* 894+55	479R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	*SA* 896+50	480R
627.03	Sahara Avenue	NO PARKING (SYMBOL) LEFT ARROW	4.00 1.13	24 X 24 18 X 9	RT	*SA* 902+35	481R

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO. | DATE | DESCRIPTION | APPROVED
A | 5/31/12 | AS-BUILT | RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1088 | DRAWN BY: GPV
DESIGNED BY: NLG | CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
600 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6626 • FAX (702) 796-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-110

Sheet 414 of 592

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (in x in)	Loc	Sign Station	Inst No.
627.03	Sahara Avenue	NO PARKING (SYMBOL) DUAL ARROW	4.00 1.13	24 X 24 18 X 9	RT	"SA" 903+35	482R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 900+40	483R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 896+30	484R
627.03	Sahara Avenue	NO PARKING (SYMBOL) DUAL ARROW	4.00 1.13	24 X 24 18 X 9	RT	"SA" 904+35	485R
627.03	Sahara Avenue	NO PARKING (SYMBOL) DUAL ARROW	4.00 1.13	24 X 24 18 X 9	RT	"SA" 905+40	496R
627.03	Sahara Avenue	NO PARKING (SYMBOL) DUAL ARROW	4.00 1.13	24 X 24 18 X 9	RT	"SA" 906+40	487R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 908+50	488R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 909+95	489R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"SA" 913+35	490R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 914+20	491R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 915+15	492R
627.03	Sahara Avenue	TRUCK - ROUTE UP ARROW	3.00 2.19	24 X 18 21 X 15	LT	"SA" 913+90	493R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	LT	"Pe" 70+45	494R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 806+00	495R
627.03	Sahara Avenue	RIGHT LANE - MUST - TURN RIGHT	5.00	24 X 30	LT	"SA" 912+95	496R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	"SA" 907+70	497R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 906+95	498R
627.03	Sahara Avenue	HOSPITAL (SYMBOL) UP ARROW	6.25 2.19	30 X 30 21 X 15	LT	"SA" 906+25	499R
627.03	Sahara Avenue	1 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 904+80	500R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 916+05	501R
627.03	Sahara Avenue	SCHOOL (SYMBOL)	6.25	30 X 30	RT	"SA" 919+70	502R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 922+65	503R
						(LEFT BLANK INTENTIONALLY)	504R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 923+25	505R
627.03	Sahara Avenue	SCHOOL CROSSING (SYMBOL)	6.25	30 X 30	RT	"SA" 923+65	506R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 925+40	507R
627.03	Sahara Avenue	END - SCHOOL - ZONE	5.00	24 X 30	RT	"SA" 927+30	508R
627.03	Sahara Avenue	SCHOOL CROSSING (SYMBOL)	6.25	30 X 30	LT	"SA" 924+70	509R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 922+55	510R
627.03	Sahara Avenue	NO - PARKING - DURING - SCHOOL HOURS	1.50	12 X 18	LT	"SA" 921+70	511R
627.03	Sahara Avenue	NO - PARKING - DURING - SCHOOL HOURS	1.50	12 X 18	LT	"SA" 920+80	512R
627.03	Sahara Avenue	END - SCHOOL - ZONE	5.00	24 X 30	LT	"SA" 919+95	513R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	"SA" 919+05	514R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 932+05	515R
						(LEFT BLANK INTENTIONALLY)	516R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	LT	"SA" 934+55	517R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 937+80	518R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	RT	"SA" 938+55	519R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 939+50	520R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 939+80	521R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 938+80	522R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 937+85	523R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 934+55	524R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	"SA" 932+85	525R
627.03	Sahara Avenue	SCHOOL (SYMBOL)	6.25	30 X 30	LT	"SA" 929+20	526R
627.03	Sahara Avenue	SCHOOL (SYMBOL)	6.25	30 X 30	LT	"SA" 929+20	527R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 940+35	528R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 941+25	529R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 941+95	530R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 943+15	531R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 944+15	532R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 945+05	533R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 946+00	534R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	-	"SA" 942+45	535R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 946+95	536R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 947+90	537R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"SA" 949+80	538R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	RT	"SA" 951+80	539R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 951+80	540R

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

PROJECT No: CB 1088 DRAWN BY: GPV

DESIGNED BY: NLG CHECKED BY: RJP

APPROVED BY: RJP

THE Louis Berger Group, INC.

900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6626 • FAX (702) 796-0704

SCALE

HORIZ: NONE

VERT: NONE

FIELD BOOK: NONE

SHEET No. TS-111

Sheet 415 of 592

SIGN SUMMARY (REMOVALS)

Bid Item No.	Remarks	Messaage	Sign Area (Sq Ft)	Panel Size (in x in)	Loc	Sign Station	Inst No.
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 951+60	541R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 950+80	542R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 949+55	543R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 948+55	544R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 947+50	545R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 946+60	546R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 945+55	547R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS HOSPITAL (SYMBOL) UP ARROW	1.50 6.25 2.19	12 X 18 30 X 30 21 X 15	LT	"SA" 944+65	548R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 943+70	549R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 942+70	550R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 941+75	551R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 940+80	552R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 953+10	553R
627.03	Sahara Avenue	NO PARKING (SYMBOL)	4.00	24 X 24	RT	"SA" 953+45	554R
627.03	Sahara Avenue	NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	4.00 4.00	24 X 24 24 X 24	RT	"SA" 959+95	555R
627.03	Sahara Avenue	TRANSIT STOP - 204 NO PARKING (SYMBOL) ANY - TIME - DUAL ARROW	1.50 4.00 4.00	12 X 18 24 X 24 24 X 24	RT	"SA" 962+10	556R
627.03	Sahara Avenue	TRANSIT STOP - 204	1.50	12 X 18	LT	"SA" 961+50	557R
627.03	Sahara Avenue	TRUCK - ROUTE UP ARROW	3.00 2.19	24 X 18 21 X 15	LT	"SA" 960+35	558R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 959+40	559R
627.03	Sahara Avenue	SPEED - LIMIT - 45 2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	5.00 1.50	24 X 30 12 X 18	LT	"SA" 958+40	560R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 957+40	561R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 956+35	562R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 955+35	563R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 954+35	564R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 953+35	565R
627.03	Sahara Avenue	2 HR - PARKING - 8AM-6PM - EXCEPT SUN & HOLIDAYS	1.50	12 X 18	LT	"SA" 952+40	566R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	RT	"SA" 611+45	567R
627.03	Sahara Avenue	HANDICAP (SYMBOL) - LEFT ARROW	3.00	18 X 24	RT	"Pe" 136+55	568R
627.03	Sahara Avenue	HANDICAP (SYMBOL) - RIGHT ARROW	3.00	18 X 24	RT	"Pe" 139+65	569R
627.03	Sahara Avenue	ONE WAY (RIGHT)	3.00	36 X 12	LT	"SA" 909+10	570R
627.03	Sahara Avenue	SPEED - LIMIT - 45	5.00	24 X 30	LT	"SA" 550+65	571R
627.03	Sahara Avenue	HANDICAP (SYMBOL) - LEFT ARROW	3.00	18 X 24	LT	"Pe" 137+60	572R
627.03	Sahara Avenue	NO - PARKING - ANY - TIME	5.00	24 X 30	RT	"Pe" 202+00	573R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"Pe" 211+30	574R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	SA" 949+85	575R
627.03	Sahara Avenue	NO PARKING (SYMBOL) - ANYTIME - DUAL ARROW	3.00	18 X 24	RT	"Pe" 66+70	576R

REV. NO.	DATE	DESCRIPTION	APPROVED
AS	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (REMOVALS)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

THE Louis Berger Group, INC.
990 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-6704

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-112

Sheet 416 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	BUS - LANE - AHEAD	8.75	30 X 42	R3-12f	RT	"SA" 496+00	1
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 501+00	2
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 502+50	3
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 503+25	4
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 504+00	5
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO U-TURN (SYMBOL)	9.00	36 X 36	R3-4	RT	"SA" 504+70	6
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 504+00	7
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	BUS - LANE - ENDS	8.75	30 X 42	R3-12g	LT	"SA" 502+80	8
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 502+30	9
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 505+50	10
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 508+00	11
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 510+25	12
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 500+80	13
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 513+00	14
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 515+50	15
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 501+80	16
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 515+20	17
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 514+55	18
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 513+00	19
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 510+50	20
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 508+50	21
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 516+20	22
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 505+50	23
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 517+20	24
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO U-TURN (SYMBOL)	9.00	36 X 36	R3-4	RT	"SA" 517+65	25
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) AHEAD	9.00 2.00	36 X 36 24 X 12	S1-1 W16-9P	-	"SA" 521+40	26
627.01	Sahara Avenue	11'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) AHEAD	9.00 2.00	36 X 36 24 X 12	S1-1 W16-9P	RT	"SA" 521+40	27
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 522+50	28
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 523+80	29
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT NO PARKING (SYMBOL)	9.00 3.75 6.25	36 X 36 30 X 18 30 X 30	R3-7R R3-BE R8-3A	RT	"SA" 525+00	30
627.01	Sahara Avenue	11'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) DIAGONAL DOWN ARROW	9.00 2.00	36 X 36 24 X 12	S1-1 W16-7P	RT	"SA" 526+55	31
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) DIAGONAL DOWN ARROW	9.00 2.00	36 X 36 24 X 12	S1-1 W16-7P	RT	"SA" 526+55	32
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 527+00	33
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 524+00	34
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 527+80	35
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 527+50	36
627.01	Sahara Avenue	11'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) DIAGONAL DOWN ARROW	9.00 2.00	36 X 36 24 X 12	S1-1 W16-7P	RT	"SA" 526+55	37
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) DIAGONAL DOWN ARROW	9.00 2.00	36 X 36 24 X 12	S1-1 W16-7P	LT	"SA" 526+55	38
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 525+00	39
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	BUS - LANE - ENDS - 1/2 MILE	8.75	30 X 42	R3-12h	LT	"SA" 524+00	40
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 523+50	41
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 522+50	42
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 521+80	43
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 520+00	44
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 517+50	45
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO U-TURN (SYMBOL)	9.00	36 X 36	R3-4	RT	"SA" 531+40	46
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 530+00	47
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 532+00	48
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 534+50	49
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 535+50	50
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 538+00	51
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	9.00	36 X 36	R8-3A	RT	"SA" 539+00	52
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 540+00	53
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 539+15	54
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 537+00	55

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
4			
3	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-8626 • FAX (702) 796-0704

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-113

Sheet 417 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 536+00	56
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 534+50	57
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 540+50	58
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 532+00	59
627.01	Sahara Avenue	11'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) AHEAD	9.00 2.00	36 X 36 24 X 12	S1-1 W16-9P	LT	"SA" 530+20	60
627.01	Sahara Avenue	11'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) AHEAD	9.00 2.00	36 X 36 24 X 12	S1-1 W16-9P	-	"SA" 530+20	61
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 529+50	62
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 541+50	63
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 542+35	64
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 544+00	65
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 546+50	66
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 549+00	67
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 535+45	68
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 550+65	69
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 550+35	70
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 550+75	71
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 548+40	72
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 546+50	73
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 544+00	74
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 542+50	75
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 541+60	76
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 541+40	77
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 551+80	78
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 553+40	79
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 555+00	80
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 556+00	81
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 556+80	82
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 557+00	83
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	RT	"SA" 558+50	84
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 558+50	85
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	DO NO - ENTER	9.00	36 X 36	R5-1	RT	"SA" 559+55	86
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 561+00	87
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 561+75	88
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 561+00	89
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 560+00	90
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST (WHITE)	-	-	K71	LT	"SA" 559+70	91
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	DO NO - ENTER	9.00	36 X 36	R5-1	LT	"SA" 558+60	92
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 558+50	93
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 557+15	94
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 556+00	95
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 554+55	96
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 553+50	97
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 551+50	98
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 57+40	99
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 564+20	100
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 566+00	101
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 568+50	102
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe"91+70	103
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 571+50	104
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO U-TURN (SYMBOL)	9.00	36 X 36	R3-4	RT	"SA" 573+60	105
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 573+85	106
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 97+05	107
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 573+20	108
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 571+00	109
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 568+50	110
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"SA" 568+00	111
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"SA" 567+20	112
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 566+10	113
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 635+00	114

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
4			
3			
2			
1	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-8008 • FAX (702) 796-0704

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-114

Sheet 418 of 592

AS - BUILT - 05.31.2012

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 563+50	115
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 576+00	116
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 578+50	117
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 579+90	116
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	9.00	36 X 36	R8-3A	RT	"SA" 582+50	119
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 583+50	120
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 585+00	121
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 585+50	122
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 586+50	123
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 599+50	124
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 582+50	125
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 581+00	126
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 579+60	127
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 579+00	128
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 607+10	129
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 576+00	130
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 587+50	131
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 590+00	132
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 596+30	133
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 593+00	134
627.01 627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 595+00	135
627.04	Sahara Avenue	11'-9"	-	1	3" Round Metal Post	7'-0"	C & G	DUCK CROSSING (SYMBOL)	16.00	48 X 48	SPECIAL	RT	"SA" 594+50	136
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 597+60	137
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 598+50	138
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 598+00	139
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 595+00	140
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 593+00	141
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 595+90	142
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 590+00	143
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 587+50	144
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 600+00	145
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 601+10	146
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 602+50	147
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"SA" 603+55	148
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 605+00	149
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 605+50	150
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 605+75	151
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 609+60	152
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 610+00	153
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 611+00	154
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 611+00	155
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 610+00	156
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 609+40	157
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 608+60	158
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 604+40	159
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 605+00	160
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 603+70	161
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 610+50	162
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 611+45	163
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 612+00	164
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 613+50	165
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 616+00	166
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 616+60	167
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 617+70	168
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 619+75	169
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 618+50	170
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 620+50	171
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 620+50	172

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1088
DESIGNED BY: NLG
APPROVED BY: RJP
DRAWN BY: GPV
CHECKED BY: RJP

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6626 • FAX (702) 796-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-115

Sheet 419 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 619+05	173
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 618+75	174
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 636+75	175
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 618+25	176
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 616+00	177
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 615+20	178
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 613+50	179
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 612+00	180
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 623+00	181
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 624+45	182
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 625+15	183
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 625+50	184
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 624+45	185
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 629+50	186
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 629+80	187
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 631+55	188
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 631+70	189
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 632+20	190
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 632+00	191
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 631+35	192
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 631+00	193
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 629+75	194
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 629+50	195
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 627+00	196
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 625+50	197
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 624+50	198
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 623+80	199
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 623+00	200
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 633+50	201
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 635+00	202
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 636+40	203
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 637+10	204
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 637+75	205
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 638+30	206
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 640+00	207
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 640+75	208
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 642+40	209
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 643+90	210
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 642+40	211
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 645+00	212
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 644+50	213
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 644+70	214
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 643+70	215
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 642+50	216
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 641+35	217
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 640+60	218
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 641+85	219
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 640+00	220
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 640+00	221
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 633+80	222
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 637+00	223
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 636+05	224
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 635+40	225
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 632+75	226
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 647+00	227
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 647+80	228
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 649+20	229
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 651+40	230
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 652+90	231

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-9292 • FAX (702) 796-9704

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-116

Sheet 420 of 592

AS - BUILT - 05.31.2012

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 652+20	232
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 653+80	233
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 656+40	234
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 656+70	235
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 655+50	236
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 653+00	237
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 651+25	238
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 99+00	239
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 650+10	240
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 648+00	241
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 647+20	242
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 645+50	243
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 658+10	244
627.01								ONE WAY (RIGHT)	3.00	36 X 12	R6-1R			
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 658+40	245
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 660+25	246
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 662+00	247
627.02 627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT) ONE WAY (RIGHT)	3.00 3.00	36 X 12 36 X 12	R6-1R R6-1R	RT RT	"SA" 662+65	248
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 663+00	249
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 664+50	250
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 665+25	251
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 665+50	252
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 667+00	253
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 667+00	254
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 665+95	255
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 658+80	256
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 664+00	257
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 663+40	258
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	RT	"SA" 654+90	259
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 662+00	260
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 660+00	261
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 659+45	262
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 659+00	263
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	RT	"SA" 653+90	264
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 657+90	265
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 657+35	266
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 657+00	267
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 669+50	268
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 670+40	269
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 671+70	270
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 679+50	271
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 675+00	272
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 676+35	273
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 675+50	274
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 678+30	275
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 679+20	276
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 680+50	277
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 680+00	278
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 679+10	279
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 688+30	280
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 677+00	281
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 675+95	282
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 675+00	283
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 673+00	284
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 672+50	285
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 671+50	286
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 670+50	287

REV. NO. | DATE | DESCRIPTION | APPROVED

A | 5/31/12 | AS-BUILT | RJP

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN LOCATIONS (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1088 DRAWN BY: GPV

DESIGNED BY: NLG CHECKED BY: RJP

APPROVED BY: RJP

THE Louis Berger Group, INC.

900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119

PHONE (702) 796-6026 • FAX (702) 796-0704

SCALE

HORIZ: NONE

VERT: NONE

FIELD BOOK: NONE

SHEET No. TS-117

Sheet 421 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 692+80	288
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 669+20	289
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 682+50	290
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 682+80	291
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 687+05	292
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 685+30	293
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST (WHITE)	-	-	K71	RT	"SA" 686+60	294
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 688+25	295
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 689+50	296
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 690+40	297
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 691+00	298
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 691+50	299
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 692+30	300
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 692+00	301
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 690+40	302
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 690+30	303
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 689+70	304
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST (WHITE)	-	-	K71	RT	"SA" 688+80	305
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL) NO PARKING (SYMBOL)	9.00 6.25	36 X 36 30 X 30	R8-3A R8-3A	LT	"SA" 687+00	306
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 686+00	307
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 685+00	308
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 683+90	309
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 682+60	310
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 682+80	311
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 693+80	312
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 695+90	313
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 696+50	314
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 698+00	315
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 699+45	316
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 701+65	317
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 703+10	318
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 704+00	319
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 704+90	320
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 704+00	321
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 703+55	322
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 703+10	323
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 701+50	324
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 699+00	325
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 697+95	326
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 697+00	327
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 700+45	328
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 696+00	329
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 694+00	330
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 705+00	331
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 706+40	332
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 704+50	333
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 708+00	334
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 709+00	335
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 712+40	336
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 711+35	337
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	BEGIN EAST	2.00 2.00	24 X 12 24 X 12	M4-14 M1-2	RT	"Pe" 34+80	338
627.02								589 NEVADA (SHIELD)	4.00	24 X 24	M1-5			
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 33+60	339
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 34+25	340
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"Pe" 34+90	341
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	END WEST	2.00 2.00	24 X 12 24 X 12	M4-6 M1-4	RT	"Pe" 34+80	342
627.02								589 NEVADA (SHIELD)	4.00	24 X 24	M1-5			
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 713+00	343

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-8626 • FAX (702) 796-0704

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-118

Sheet 422 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 712+00	344
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 713+50	345
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 710+00	346
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 709+70	347
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 708+40	348
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 707+45	349
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 706+40	350
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 705+70	351
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 36+00	352
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 37+00	353
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 38+50	354
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 40+05	355
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 41+00	356
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 36+60	357
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 43+50	358
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 45+00	359
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 46+70	360
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 46+80	361
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 45+50	362
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 43+30	363
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 35+30	364
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 42+50	365
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 41+00	366
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 39+45	367
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 38+60	368
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 36+70	369
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 36+00	370
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 49+00	371
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 49+75	372
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 50+00	373
627.01 627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 51+50	374
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 54+00	375
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 52+30	376
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 56+80	377
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"Pe" 57+40	378
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 56+50	379
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 55+75	380
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 55+60	381
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 54+00	382
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 51+50	383
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 49+70	384
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 49+00	385
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 48+50	386
627.01 627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 58+85	387
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 58+35	388
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 60+00	389
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 61+40	390
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 518+50	391
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"Pe" 61+40	392
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 62+20	393
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 62+45	394
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 63+40	395
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 63+20	396
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 65+00	397
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 67+00	398
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 67+80	399
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 68+25	400
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 67+50	401
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 65+00	402

REV. NO. | DATE | DESCRIPTION | APPROVED

A8 | 5/31/12 | AS-BUILT | RJP

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-8626 • FAX (702) 796-0704

PROJECT No: GB.1088 | DRAWN BY: GPV
DESIGNED BY: NLG | CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-119

Sheet 423 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 64+30	403
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 62+45	404
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 62+40	405
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	RT	"SA" 500+70	406
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 61+70	407
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 60+65	408
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 60+00	409
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 58+80	410
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 59+50	411
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 70+10	412
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 70+00	413
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 71+50	414
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 73+00	415
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"Pe" 74+00	416
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 74+45	417
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 77+00	418
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 78+00	419
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 78+00	420
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 78+60	421
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 80+50	422
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 80+00	423
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO LEFT TURN (SYMBOL)	9.00	36 X 36	R3-2	LT	"Pe" 78+90	424
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 802+78	425
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 77+50	426
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 75+00	427
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 74+10	428
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT DEAD END RIGHT ARROW	9.00 3.75 2.00	36 X 36 30 X 18 36 X 8	R3-7R R3-BE W14-1AR	LT	"Pe" 72+90	429
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"Pe" 71+00	430
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 70+00	431
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 69+05	432
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 82+60	433
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 84+15	434
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 85+65	435
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 86+30	436
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"Pe" 86+70	437
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 87+20	438
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 88+10	439
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 89+00	440
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO LEFT TURN (SYMBOL)	9.00	36 X 36	R3-2	LT	"Pe" 78+90	441
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 90+60	442
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 91+05	443
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 93+00	444
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 92+70	445
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 545+55	446
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 90+60	447
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 90+35	448
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 89+30	449
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 88+00	450
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 86+90	451
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 545+40	452
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	AB RIGHT LANE - MUST - TURN RIGHT ~~BUSES - EXEMPT~~	9.00 ~~3.75~~	36 X 36 ~~30 X 18~~	R3-7R ~~R3-BE~~	LT	"Pe" 85+80	453
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 84+15	454
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"Pe" 83+20	455
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 82+85	456
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	AB RIGHT LANE - MUST - TURN RIGHT ~~BUSES - EXEMPT~~	9.00 ~~3.75~~	36 X 36 ~~30 X 18~~	R3-7R ~~R3-BE~~	LT	"Pe" 87+05	457

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6936 • FAX (702) 796-6704

PROJECT No: GB 1088
DESIGNED BY: NLG
APPROVED BY: RJP
DRAWN BY: GPV
CHECKED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-120

Sheet 424 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 81+50	458
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 95+00	459
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 95+50	460
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 98+00	461
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 99+40	462
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 100+50	463
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 100+70	464
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 101+95	465
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 102+20	466
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 103+25	467
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 104+50	468
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 103+00	469
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 102+60	470
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 100+50	471
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 99+60	472
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 98+00	473
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 95+50	474
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 94+40	475
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 93+50	476
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 93+00	477
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 105+70	478
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 105+50	479
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 108+00	480
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 109+55	481
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 109+00	482
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 110+80	483
627.01	Sahara Avenue	10'-11	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 111+15	484
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"Pe" 112+00	485
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	RT	"SA" 545+15	486
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 113+00	487
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 114+10	488
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 115+50	489
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 115+50	490
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 114+60	491
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	LT	"SA" 546+10	492
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 115+50	493
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 112+60	494
627.01 627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 112+10	495
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 110+90	496
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 109+50	497
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"Pe" 108+50	498
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 107+30	499
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 107+00	500
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 106+30	501
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 105+05	502
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 117+90	503
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 118+45	504
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 121+40	505
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 120+50	506
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"Pe" 120+95	507
627.01 627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 122+30	508
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 123+80	509
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 125+05	510
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 126+50	511
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"Pe" 127+95	512

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
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PHONE (702) 796-6626 • FAX (702) 796-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-121

Sheet 425 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 127+35	513
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 128+75	514
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 597+55	515
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 128+90	516
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 127+50	517
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 126+50	518
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"Pe" 125+85	519
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 124+80	520
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 123+50	521
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 122+40	522
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 120+30	523
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"Pe" 117+70	524
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 117+20	525
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 159+50	526
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 129+50	527
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 131+50	528
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 132+35	529
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 133+05	530
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 133+40	531
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 134+50	532
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 136+35	533
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 161+90	534
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"Pe" 138+00	535
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 138+40	536
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 139+00	537
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 174+70	538
627.02 627.02	Sahara Avenue Mount on Street Light Pole	-	-	1	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 176+00	539
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 139+50	540
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 138+85	541
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"Pe" 138+10	542
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"Pe" 136+45	543
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 134+75	544
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"Pe" 133+40	545
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 134+15	546
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 132+65	547
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 132+00	548
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 136+35	549
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 184+70	550
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 141+10	551
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"Pe" 141+70	552
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 142+50	553
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 144+00	554
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 136+35	555
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 146+00	556
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 146+50	557
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 148+15	558
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 148+80	559
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 148+90	560
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 150+70	561
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO U-TURN (SYMBOL)	9.00	36 X 36	R3-4	RT	"SA" 601+30	562
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 150+95	563
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 148+15	564
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 152+70	565
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 151+00	566

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
4	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN LOCATIONS (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-9292 • FAX (702) 796-0704

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-122

Sheet 426 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"Pe" 149+95	567
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 149+50	568
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 188+85	569
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 147+40	570
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"SA" 581+40	571
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"Pe" 213+45	572
627.01								BUSES - EXEMPT	3.75	30 X 18	R3-BE			
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 145+50	573
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"Pe" 143+65	574
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 215+70	575
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 142+90	576
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	LT	"SA" 607+00	577
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 141+10	578
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 153+50	579
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 144+20	580
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 155+95	581
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 156+10	582
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 157+25	583
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 158+05	584
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 160+40	585
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 160+90	586
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"Pe" 161+50	587
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 205+50	588
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 161+90	589
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 162+80	590
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 163+15	591
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 164+30	592
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 162+75	593
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 160+95	594
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 159+10	595
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 159+00	596
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 158+50	597
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"Pe" 157+50	598
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 156+30	599
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 156+60	600
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 155+80	601
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 155+40	602
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 153+40	603
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 153+20	604
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 165+20	605
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 166+90	606
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 167+50	607
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 168+05	608
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 168+50	609
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"Pe" 169+75	610
627.02 627.02	Sahara Avenue Mount on Street Light Pole	-	-	1	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 174+75	611
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 170+40	612
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 171+15	613
627.01	Sahara Avenue	6'-6	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 170+85	614
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 171+80	615
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) AHEAD	9.00 2.00	36 X 36 24 X 12	S1-1 W16-9P	RT.	"Pe" 172+35	616
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 172+25	617
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 173+55	618
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 174+15	619
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 175+75	620
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 175+30	621
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	RT	"SA" 613+70	622

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN LOCATIONS (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
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PHONE (702) 796-9292 • FAX (702) 796-9704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-123

Sheet 427 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 175+50	623
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	RT	"SA" 608+45	624
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 173+80	625
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 171+85	626
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 170+10	627
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 166+45	628
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 165+50	629
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) DIAGONAL DOWN ARROW	9.00 2.00	36 X 36 24 X 12	S1-1 W16-7P	LT	"Pe" 176+60	630
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 177+55	631
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 179+05	632
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS END - SCHOOL - ZONE	8.75 5.00	30 X 42 24 X 30	SP-1 S5-2	LT	"Pe" 165+50	633
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	LT	"SA" 614+75	634
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 180+75	635
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 180+60	636
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 181+15	637
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 182+35	638
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 183+00	639
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 183+00	640
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 183+95	641
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 184+60	642
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 185+00	643
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 185+45	644
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	9.00	36 X 36	R8-3A	RT	"Pe" 187+30	645
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 187+85	646
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 187+35	647
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 185+95	648
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 185+40	649
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"Pe" 185+15	650
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	RT	"SA" 635+00	651
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 184+25	652
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 182+80	653
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) AHEAD	9.00 2.00	36 X 36 24 X 12	S1-1 W16-9P	LT	"Pe" 181+40	654
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 180+10	655
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 179+70	656
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 178+25	657
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 176+60	658
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) DIAGONAL DOWN ARROW	9.00 2.00	36 X 36 24 X 12	S1-1 W16-7P	LT	"Pe" 176+60	659
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"Pe" 188+00	660
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 188+40	661
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	BUS - LANE - ENDS - 1/2 MILE	8.75	30 X 42	R3-12h	RT	"Pe" 188+70	662
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 189+15	663
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 190+35	664
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 195+20	665
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 190+70	666
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 191+90	667
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 192+65	668
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 192+95	669
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 195+50	670
627.02 627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT) ONE WAY (RIGHT)	3.00 3.00	36 X 12 36 X 12	R6-1R R6-1R	-	"Pe" 197+25	671
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 196+50	672
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"Pe" 196+40	673

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6626 • FAX (702) 796-0704

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-124

Sheet 428 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 198+15	674
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 199+35	675
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 199+10	676
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 198+50	677
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"Pe" 198+10	678
627.01								BUSES - EXEMPT	3.75	30 X 18	R3-BE			
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	LT	"SA" 633+80	679
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 196+40	680
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 195+50	681
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 193+05	682
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 193+00	683
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 191+90	684
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 191+80	685
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 190+50	686
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 190+05	687
627.01	Sahara Avenue	11'-0"	-	-	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"SA" 937+85	688
627.01								BUSES - EXEMPT	3.75	30 X 18	R3-BE			
627.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	LT	"SA" 713+40	689
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 200+10	690
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"Pe" 200+70	691
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 201+50	692
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	RT	"Pe" 202+00	693
								BUSES - EXEMPT	3.75	30 X 18	R3-BE			
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 202+75	694
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"Pe" 204+05	695
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"Pe" 204+05	696
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 204+80	697
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"Pe" 205+00	698
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	RT	"Pe" 200+45	699
								BUSES - EXEMPT	3.75	30 X 18	R3-BE			
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 206+60	700
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 208+05	701
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 208+50	702
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"Pe" 209+20	703
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 210+20	704
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	RT	"Pe" 210+70	705
								BUSES - EXEMPT	3.75	30 X 18	R3-BE			
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 210+80	706
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 210+40	707
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 208+70	708
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"Pe" 205+45	709
								BUSES - EXEMPT	3.75	30 X 18	R3-BE			
													(LEFT BLANK INTENTIONALLY)	710
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	-	"Pe" 203+15	711
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"Pe" 203+00	712
								BUSES - EXEMPT	3.75	30 X 18	R3-BE			
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 201+90	713
627.01	Sahara Avenue	`	1	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"Pe" 201+00	714
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 211+05	715
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	RT	"Pe" 212+10	716
								BUSES - EXEMPT	3.75	30 X 18	R3-BE			
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	BUS - LANE - ENDS	8.75	30 X 42	R3-12g	RT	"Pe" 211+50	717
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 213+25	718
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"Pe" 214+00	719
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 215+65	720
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 215+70	721
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 218+00	722
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 220+50	723
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 222+20	724
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"Pe" 223+00	725
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 222+50	726
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 222+25	727
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"Pe" 220+00	728
								BUSES - EXEMPT	3.75	30 X 18	R3-BE			
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 217+50	729
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	BUS - LANE - AHEAD	8.75	30 X 42	R3-12f	LT	"Pe" 217+00	730

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6626 • FAX (702) 796-0704

PROJECT No: CB 1088
DESIGNED BY: NLG
APPROVED BY: RJP
DRAWN BY: GPV
CHECKED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-125

Sheet 429 of 592

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 215+20	731
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 214+55	732
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"Pe" 211+50	733
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 227+45	734
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 231+00	735
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"Pe" 229+95	736
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 228+55	737
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 226+40	738
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"Pe" 225+10	739
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"Pe" 224+00	740
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	BUS - LANE - AHEAD	8.75	30 X 42	R3-12f	RT	"SA" 803+00	741
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 806+00	742
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 807+00	743
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 806+90	744
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 808+50	745
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 808+10	746
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 809+05	747
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 811+00	748
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 812+85	749
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 815+40	750
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 817+60	751
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 818+50	752
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 819+35	753
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 819+05	754
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 819+85	755
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 818+30	756
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 817+10	757
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 816+60	758
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 816+50	759
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 815+60	760
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	BUS - LANE - ENDS RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	8.75 9.00 3.75	30 X 42 36 X 36 30 X 18	R3-12g R3-7R R3-BE	LT	"SA" 815+50	761
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 815+00	762
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 814+25	763
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 815+60	764
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 812+60	765
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 812+15	766
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 811+70	767
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 810+70	768
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 810+15	769
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 809+70	770
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 809+20	771
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 808+70	772
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 808+65	773
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 821+40	774
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 822+50	775
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 824+05	776
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 824+60	777
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 825+15	778
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 825+55	779
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 827+10	780
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 827+05	781

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
4	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-5928 • FAX (702) 796-5704

PROJECT No: GB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE

FIELD BOOK: NONE

SHEET No. TS-126

Sheet 490 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 829+45	782
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 830+60	783
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 831+55	784
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 831+80	785
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 833+95	786
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 833+00	787
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 830+50	788
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 830+10	789
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 829+60	790
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 827+75	791
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 827+05	792
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45 RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	7.50 9.00 3.75	30 X 36 36 X 36 30 X 18	R2-1(45) R3-7R R3-BE	LT	"SA" 826+60	793
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 825+80	794
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 826+05	795
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	8.75 9.00 3.75	30 X 42 36 X 36 30 X 18	SP-1 R3-7R R3-BE	LT	"SA" 833+00	796
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 825+30	797
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 824+30	798
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 824+30	799
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 821+00	800
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 820+50	801
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 832+80	802
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 833+80	803
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 835+70	804
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	RT	"SA" 553+15	805
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 837+70	806
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 838+75	807
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 839+70	808
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 842+55	809
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 843+50	810
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 843+20	811
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 842+15	812
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45 RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	7.50 9.00 3.75	30 X 36 36 X 36 30 X 18	R2-1(45) R3-7R R3-BE	LT	"SA" 843+00	813
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 840+00	814
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 839+70	815
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 838+50	816
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 837+70	817
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 837+45	818
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	LT	"SA" 551+80	819
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 835+95	820
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 835+35	821
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 833+80	822
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 833+05	823
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 844+45	824
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 845+30	825
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 846+25	826
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 848+10	827

REV. NO.	DATE	DESCRIPTION	APPROVED
1	5/31/12	AS-BUILT	RJP

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-9292 • FAX (702) 796-9704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-127

Sheet 431 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 848+50	828
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 849+80	829
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 850+20	830
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 851+20	831
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 851+70	832
627.01 627.01 627.02	Sahara Avenue Mount on Street Light Pole	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT) ONE WAY (RIGHT) NO PARKING (SYMBOL)	3.00 3.00 6.25	36 X 12 36 X 12 30 X 30	R6-1R R6-1R R8-3A	LT RT	"SA" 853+35 "SA" 853+65	833 834
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 855+15	835
627.02 627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 855+35	836
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 855+85	837
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 855+35	838
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 854+85	839
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 854+20	840
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 854+15	841
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45 RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	7.50 9.00 3.75	30 X 36 36 X 36 30 X 18	R2-1(45) R3-7R R3-BE	LT	"SA" 853+15	842
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G						(LEFT BLANK INTENTIONALLY)	843
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 852+40	844
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 852+35	845
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 851+50	846
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 855+35	847
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 849+00	848
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 848+45	849
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 847+45	850
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 846+80	851
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 846+65	852
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 844+45	853
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 844+15	854
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 858+30	855
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 859+20	856
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 859+80	857
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 860+15	858
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 862+05	859
627.01 627.01 627.02	Sahara Avenue Mount on Street Light Pole	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT) ONE WAY (RIGHT) RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	3.00 3.00 8.75	36 X 12 36 X 12 30 X 42	R6-1R R6-1R SP-1	LT RT	"SA" 862+00 "SA" 863+05	860 861
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 864+05	862
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 864+90	863
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 865+95	864
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 867+85	865
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 866+50	866
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 866+15	867
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 864+35	868
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 862+30	869
													(LEFT BLANK INTENTIONALLY)	870
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 861+40	871
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 860+75	872
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 859+60	873
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 859+15	874
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 858+60	875
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 858+55	876
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 868+80	877

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-9292 • FAX (702) 796-9704

PROJECT No: CB 1088
DESIGNED BY: NLG
APPROVED BY: RJP
DRAWN BY: GPV
CHECKED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-128

Sheet 422 of 592

AS - BUILT - 05.31.2012

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	PEDESTRIAN CROSSING (SYMBOL) AHEAD	9.00 2.00	36 X 36 24 X 12	W11-2 W16-9P	RT	"SA" 866+65	878
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 870+70	879
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 897+25	880
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 901+00	881
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 872+55	882
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 909+95	883
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 874+25	884
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 875+80	885
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 876+40	886
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 877+30	887
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 879+30	888
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"Pe" 216+10	889
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 879+65	890
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 879+90	891
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 879+20	892
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 878+40	893
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 878+85	894
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 877+80	895
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	PEDESTRIAN CROSSING (SYMBOL) AHEAD	9.00 2.00	36 X 36 24 X 12	W11-2 W16-9P	LT	"SA" 875+00	896
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 877+10	897
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 876+40	898
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 876+00	899
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 875+05	900
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 874+60	901
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 874+00	902
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 874+00	903
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 220+00	904
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 871+10	905
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 873+10	906
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 872+05	907
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 871+50	908
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 870+15	909
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 869+10	910
627.01 627.01 627.02	Sahara Avenue Sahara Avenue Mount on Street Light Pole	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0" 7'-0"	C & G C & G	ONE WAY (RIGHT) ONE WAY (RIGHT) NO PARKING (SYMBOL)	3.00 3.00 6.25	36 X 12 36 X 12 30 X 30	R6-1R R6-1R R8-3A	LT RT	"SA" 880+85 "SA" 881+15	911 912
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 882+15	913
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 885+25	914
627.01 627.01 627.02	Sahara Avenue Sahara Avenue Mount on Street Light Pole	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0" 7'-0"	C & G C & G	ONE WAY (RIGHT) ONE WAY (RIGHT) NO PARKING (SYMBOL)	3.00 3.00 6.25	36 X 12 36 X 12 30 X 30	R6-1R R6-1R R8-3A	RT RT	"SA" 883+45 "SA" 885+00	915 916
627.01 627.01 627.02	Sahara Avenue Sahara Avenue Mount on Street Light Pole	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0" 7'-0"	C & G C & G	ONE WAY (RIGHT) ONE WAY (RIGHT) NO PARKING (SYMBOL)	3.00 3.00 6.25	36 X 12 36 X 12 30 X 30	R6-1R R6-1R R8-3A	RT RT	"SA" 884+80 "SA" 887+20	917 918
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 886+90	919
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 887+65	920
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 888+75	921
627.02 627.02 627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT BUSES - EXEMPT	9.00 3.75 3.75	36 X 36 30 X 18 30 X 18	R3-7R R3-BE R3-BE	RT	"SA" 889+40	922
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 890+50	923
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 891+75	924
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 890+85	925

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
1	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-6626 • FAX (702) 796-0704

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-129

Sheet 423 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 890+10	926
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	LT	"SA" 581+85	927
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 888+95	928
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 887+10	929
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 887+25	930
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 886+20	931
													(LEFT BLANK INTENTIONALLY)	932
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 884+25	933
													(LEFT BLANK INTENTIONALLY)	934
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 881+90	935
													(LEFT BLANK INTENTIONALLY)	936
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS SPEED - LIMIT - 45	8.75 7.50	30 X 42 30 X 36	SP-1 R2-1(45)	LT	"SA" 880+70	937
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 880+20	938
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 893+50	939
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 894+10	940
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 895+45	941
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 895+95	942
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 899+25	943
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 899+65	944
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 900+40	945
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 901+35	946
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 901+80	947
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 903+35	948
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 903+65	949
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 902+85	950
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 902+00	951
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 901+60	952
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 900+25	953
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 899+95	954
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 898+40	955
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 895+40	956
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 894+90	957
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 895+50	958
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 893+50	959
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 892+65	960
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 904+70	961
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 905+35	962
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 907+20	963
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 907+50	964
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 908+50	965
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 909+15	966
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 910+00	967
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 912+50	968
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 913+40	969
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 913+75	970
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 914+25	971
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 914+95	972
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 915+15	973
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 915+75	974
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 914+80	975

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-9292 • FAX (702) 796-9704

PROJECT No: CB 1088
DESIGNED BY: NLG
APPROVED BY: RJP
DRAWN BY: GPV
CHECKED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No.
TS-130

AS - BUILT - 05.31.2012

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 914+25	976
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	TRUCK - ROUTE UP ARROW	3.00 2.19	24 X 18 21 X 15	R14-1 M6-3	LT	"SA" 908+50	977
627.02								RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE			
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 912+15	978
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 909+40	979
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 908+80	980
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 908+75	981
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 908+10	982
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 907+75	983
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 906+90	984
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	HOSPITAL (SYMBOL) UP ARROW	6.25 2.19	30 X 30 21 X 15	D9-2 M6-3	LT	"SA" 906+25	985
627.02								RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE			
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 905+45	986
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 905+10	987
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 904+35	988
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 916+10	989
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 916+40	990
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 917+85	991
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) AHEAD	9.00 2.00	36 X 36 24 X 12	S1-1 W16-9P	RT	"SA" 918+70	992
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 920+60	993
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 920+40	994
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 921+35	995
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 921+90	996
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 922+45	997
627.01	Sahara Avenue	11'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) DIAGONAL DOWN ARROW	9.00 2.00	36 X 36 24 X 12	S1-1 W16-7P	RT	"SA" 923+60	998
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 925+35	999
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 921+35	1000
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 926+80	1001
627.01								ONE WAY (RIGHT)	3.00	36 X 12	R6-1R			
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	END - SCHOOL - ZONE NO PARKING (SYMBOL)	5.00 9.00	24 X 30 36 X 36	S5-2 R8-3A	RT	"SA" 922+45	1002
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 927+60	1003
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 927+35	1004
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"							(LEFT BLANK INTENTIONALLY)	1005
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 926+45	1006
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 925+60	1007
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) DIAGONAL DOWN ARROW	9.00 2.00	36 X 36 24 X 12	S1-1 W16-7P	LT	"SA" 923+55	1008
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 923+10	1009
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 922+50	1010
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 921+70	1011
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 921+10	1012
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 920+85	1013
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 920+20	1014
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	END - SCHOOL - ZONE	5.00	24 X 30	S5-2	LT	"SA" 919+95	1015
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 919+30	1016
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 919+10	1017
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 918+70	1018
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 918+30	1019
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 917+80	1020
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 916+45	1021
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 928+20	1022
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 929+05	1023

REV. NO. | DATE | DESCRIPTION | APPROVED

A5 | 5/31/12 | AS-BUILT | RJP

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-9292 • FAX (702) 796-9704

PROJECT No: CB 1088 | DRAWN BY: GPV
DESIGNED BY: NLG | CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE

FIELD BOOK: NONE

SHEET No. TS-131

Sheet 425 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	BUS - LANE - ENDS - 1/2 MILE	8.75	30 X 42	R3-12h	RT	"SA" 929+10	1024
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 930+10	1025
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 932+00	1026
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 933+90	1027
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 934+75	1028
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 934+90	1029
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 936+80	1030
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	RT	"SA" 939+50	1031
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 938+65	1032
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 939+80	1033
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 939+85	1034
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 937+90	1035
627.01	Sahara Avenue	9'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 935+70	1036
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 934+10	1037
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 933+85	1038
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 932+90	1039
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 931+80	1040
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 930+25	1041
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SCHOOL CROSSING (SYMBOL) AHEAD	9.00 2.00	36 X 36 24 X 12	S1-1 W16-9P	LT	"SA" 929+25	1042
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 928+25	1043
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 940+35	1044
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 889+90	1045
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 942+55	1046
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 943+10	1047
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL) NO PARKING (SYMBOL)	9.00 6.25	36 X 36 30 X 30	R8-3A R8-3A	RT	"SA" 945+00	1048
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 946+50	1049
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 947+00	1050
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	RT	"SA" 947+90	1051
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 948+85	1052
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 951+80	1053
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 951+65	1054
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 949+65	1055
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 947+80	1056
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 947+50	1057
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 946+65	1058
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 945+40	1059
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	HOSPITAL (SYMBOL) UP ARROW	6.25 2.19	30 X 30 21 X 15	D9-2 M6-3	LT	"SA" 944+75	1060
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 943+75	1061
619.01	Sahara Avenue	-	-	-	-	-	-	K71 MARKER POST	-	-	K71	LT	"SA" 601+15	1062
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 941+85	1063
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 941+05	1064
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 940+80	1065
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 952+80	1066
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 953+05	1067
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	BUS - LANE - ENDS	8.75	30 X 42	R3-12g	LT	"SA" 953+75	1068
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 954+70	1069

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-9292 • FAX (702) 796-9704

PROJECT No: CS 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-132

Sheet 406 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 955+20	1070
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 949+80	1071
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 950+80	1072
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	9.00	36 X 36	R8-3A	RT	"SA" 958++95	1073
627.01 627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT) ONE WAY (RIGHT)	3.00 3.00	36 X 12 36 X 12	R6-1R R6-1R	RT	"SA" 959+55	1074
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 960+70	1075
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	RT	"SA" 961+00	1076
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 961+50	1077
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 961+40	1078
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	TRUCK - ROUTE UP ARROW	3.00 2.19	24 X 18 21 X 15	R14-1 M6-3	LT	"SA" 960+30	1079
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 959+85	1080
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 959+30	1081
627.01	Sahara Avenue	6'-6"	-	-	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	RT	"SA" 958+15	1082
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"SA" 958+40 AB	1083
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 957+35	1084
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 956+55	1085
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	SPEED - LIMIT - 45	7.50	30 X 36	R2-1(45)	LT	"SA" 956+40	1086
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 955+40	1087
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 954+55	1088
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	NO PARKING (SYMBOL)	6.25	30 X 30	R8-3A	LT	"SA" 953+35	1089
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 952+40	1090
627.01	Sahara Avenue	6'-6"	-	1	2 1/2" SQ Metal Post (12 GA)	5'-0"	C & G	ONE WAY (RIGHT)	3.00	36 X 12	R6-1R	LT	"SA" 952+50	1091
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	BUS - LANE - AHEAD	8.75	30 X 42	R3-12f	RT	"SA" 967+85	1092
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT - LANE - BUS (SYMBOL) - ONLY - EXCEPT RIGHT - TURNS	8.75	30 X 42	SP-1	LT	"Pe" 89+10	1093
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"Pe" 105+60	1094
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"SA" 805+85	1095
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	RT	"SA" 805+55	1096
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	NO - TURNS	9.00	36 X 36	R3-3	RT	"SA" 812+85	1097
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 818+55	1098
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 819+55	1099
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 812+60	1100
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 811+50	1101
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 809+65	1102
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 826+30	1103
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 826+00	1104
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 830+25	1105
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 831+10	1106
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 829+15	1107
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 827+45	1108
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post (12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 840+35	1109
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 845+20	1110
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 856+10	1111
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 867+10	1112
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 865+20	1113
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	RT	"SA" 923+45	1114
627.02	Sahara Avenue Mount on Street Light Pole	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT BUSES - EXEMPT	9.00 3.75	36 X 36 30 X 18	R3-7R R3-BE	LT	"SA" 924+70	1115
													(LEFT BLANK INTENTIONALLY)	1116

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1088 DRAWN BY: GPV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY: RJP

THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 796-0032 • FAX (702) 796-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. TS-133

Sheet 437 of 592

SIGN SUMMARY (NEW LOCATIONS)

Bid Item No.	Remarks	POST Length Inner	POST Length Outer	POST No.	POST Type and Size	Mounting Height (Ft)	Slope / Curb & Gutter	Message	Sign Area (Sq Ft)	Panel Size (In X In)	Sign No.	Loc	Sign Station	Inst No.
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post)12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"SA" 528+60	1117
627.01								BUSES - EXEMPT	3.75	30 X 18	R3-BE			
627.01	Sahara Avenue	11'-0"	-	1	2 1/2" SQ Metal Post)12 GA)	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"SA" 554+20	1118
627.01								BUSES - EXEMPT	3.75	30 X 18	R3-BE			
627.02	Sahara Avenue	-	-	-	-	7'-0"	C & G	RIGHT LANE - MUST - TURN RIGHT	9.00	36 X 36	R3-7R	LT	"SA" 632+15	1119
627.02	Mount on Street Light Pole							BUSES - EXEMPT	3.75	30 X 18	R3-BE			
627.01	Sahara Avenue	10'-5"	-	1	2 1/2" SQ Metal Post)12 GA)	7'-0"	C & G	YIELD (SYMBOL) - HERE - TO - PECOS (SYMBOL)	9.00	36 X 36	R1-5	RT	"Pe" 176+30	1120

AS-BUILT

Based on Contractor Supplied
Information Which Has Not Been Verified
By The Louis Berger Group, Inc.

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

SIGN SUMMARY (NEW LOCATIONS)

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: NLG CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

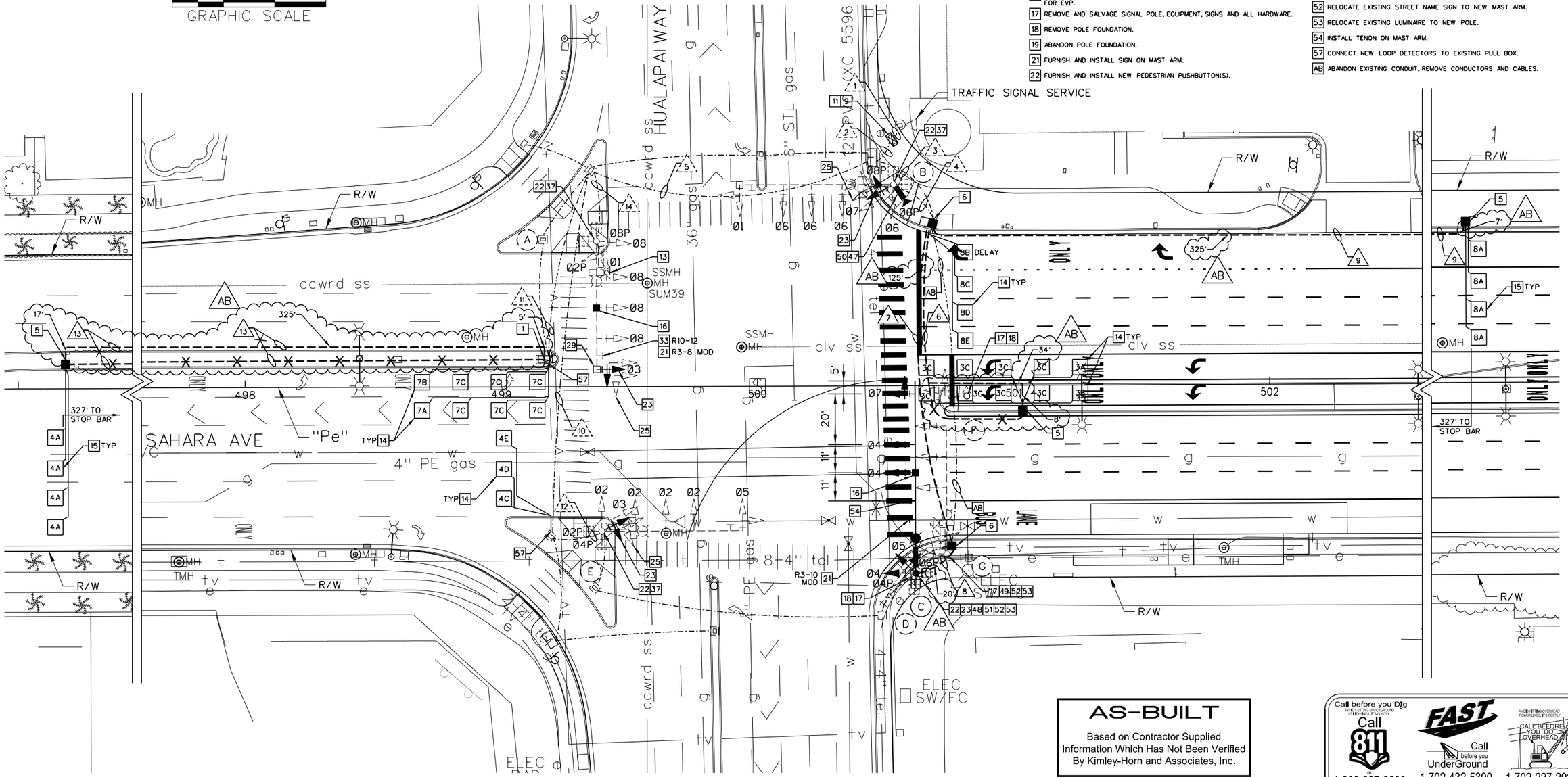
SHEET No.
TS-134

QUADRANT
ARM, SIGNAL PED BUTTON
(TOP VIEW)

20 10 0 20 40
GRAPHIC SCALE

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
48 SIGNAL POLE, LUMINAIRE ARM AND LUMINAIRE SHALL MEET SUMMERLIN STANDARDS FOR STYLE, COLOR AND DESIGN.
50 EXTENSION POLE AND HARDWARE FOR CCTV CAMERA SHALL MEET SUMMERLIN STANDARDS FOR STYLE, COLOR AND DESIGN.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN HEADS.
52 RELOCATE EXISTING STREET NAME SIGN TO NEW MAST ARM.
53 RELOCATE EXISTING LUMINAIRE TO NEW POLE.
54 INSTALL TENON ON MAST ARM.
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By Kimley-Horn and Associates, Inc.

Call before you Dig — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
HUALAPAI WAY AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

THE Louis Berger Group, INC.
300 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 736-6633 • FAX: (702) 736-0704
Kimley-Horn and Associates, Inc.
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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No. T-1
Sheet 439 of 592

XREF :
FILE :

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX-A 30' (E)	3	50' (E)	3	15' (E)	(3) M-2 (E) M-2 (N) B-2T (E)	MA MA 1	W-3T (E)	1	Ø2 Ø8	RT (N) LT (N)	4 1	13 16 21 22 23 25 29 33 37
(B)	EXISTING	XX-A 30' (E)	4	60' (E)	4	15' (E)	(4) M-2 (E) B-2T (N)	MA 2	W-3T (E)	2	Ø6 Ø8	LT (N) LT (N)	2 3	22 23 25 37 47 50
(C)	"Pe" 500+61.5 73.2' RT	XX-B 30' M	1	75' (N)	1	15' (E)	(3) M-2 (N) B-2T (N)	MA 3	W-3T (N)	3	Ø4 Ø6	RT (N) LT (N)	1 4	16 21 22 23 48 51 52 53 54
(D)	EXISTING	1-B 7' (E)	-	-	-	-	-	-	W-2T (E)	TOP	Ø4 Ø6	RT (E) LT (E)	1 4	17 18
(E)	EXISTING	XX-A 30' (E)	2	55' (E)	2	15' (E)	(4) M-2 (E) B-2T (N)	MA 4	W-3T (E)	4	Ø2 Ø4	LT (N) RT (N)	4 3	22 23 25 37
(F)	EXISTING	1-A 10' (E)	-	-	-	-	A-16T (E)	TOP	-	-	-	-	-	17 18
(G)	EXISTING	XX-A 30' (E)	1	50' (E)	1	15' (E)	(3) M-2 (E) B-2T (E)	MA 3	-	-	-	-	-	17 19 52 53

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14
4-NO. 4 SERVICE 1-NO. 6 GROUND	SERVICE PEDESTAL	CONTROLLER	E	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE A	-	E	-	-	E	-	-	-	-	-	-	-	-	E
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE B	-	E	E	E	-	-	-	-	-	-	-	-	-	-
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE C	-	●	●	-	-	-	●	●	-	-	-	-	-	-
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE E	-	E	-	-	E	-	-	-	-	E	-	E	-	-
OPTICOM (EVP)	CONTROLLER	POLE A	-	●	-	-	●	-	-	-	-	-	-	-	-	●
OPTICOM (EVP)	CONTROLLER	POLE B	-	E	E	E	-	-	-	-	-	-	-	-	-	-
OPTICOM (EVP)	CONTROLLER	POLE C	-	●	●	-	-	-	●	●	-	-	-	-	-	-
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE A	-	A	-	-	A	-	-	-	-	-	-	-	-	A
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE B	-	E	E	E	-	-	-	-	-	-	-	-	-	-
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE E	-	E	-	-	E	-	-	-	-	E	-	E	-	-
LOOP LEAD-IN CABLE (Ø8-EXT)	CONTROLLER	DET PULL BOX	-	●	●	-	-	-	-	-	●	-	-	-	-	-
LOOP LEAD-IN CABLE (Ø8-STOP)	CONTROLLER	DET PULL BOX	-	●	●	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD-IN CABLE (Ø3)	CONTROLLER	DET PULL BOX	-	●	●	-	-	●	-	-	-	-	-	-	-	-
LOOP LEAD-IN CABLE (Ø4-EXT)	CONTROLLER	DET PULL BOX	-	●	-	-	●	-	-	-	-	-	●	-	●	-
LOOP LEAD-IN CABLE (Ø4-STOP)	CONTROLLER	DET PULL BOX	-	●	-	-	●	-	-	-	-	●	-	-	-	-
LOOP LEAD-IN CABLE (Ø7)	CONTROLLER	DET PULL BOX	-	●	-	-	●	-	-	-	-	-	●	-	-	-
CCTV CAMERA CABLE	CONTROLLER	POLE B	-	●	●	●	-	-	-	-	-	-	-	-	-	-
1-NO. 8 (GREEN)	CONTROLLER TO POLES/BOXES		-	E	E	E	E	1	3	1	1	E	E	E	1	E
PULL ROPE	(NUMBER AS SHOWN)		-	-	-	-	-	1	3	1	1	-	-	-	1	-
No. OF CONDUITS - CONDUIT SIZE			1-2" (E)	4-3" (E)	2-3" (E)	1-3" (E)	2-3", 1-2" (E)	1-2"	1-2", 3-3"	1-3"	1-2"	1-2", 2-3" (E)	2-2" (E)	1-2", 1-3" (E)	1-2"	1-2", 1-3" (E)

E = EXISTING CABLE, CONDUCTORS OR CONDUITS
A = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

			
SIGN DESIGNATION DIMENSIONS	R3-8 (MOD) 36" x 36"	R3-10 (MOD) 30" x 36"	R10-12 30" x 36"
POLE*	(A)	(C)	(A)

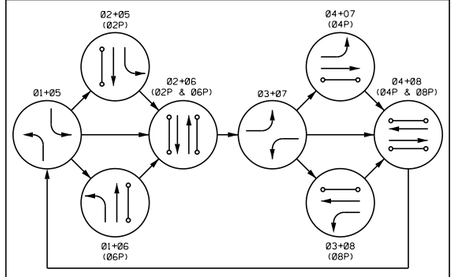
* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

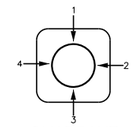
POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	S	HUALAPAI	WAY	2400	YES	EXISTING
(B)	W	SAHARA	AVE	10000	YES	EXISTING
(C)	S	HUALAPAI	WAY	2500	YES	EXISTING*
(E)	W	SAHARA	AVE	10100	YES	EXISTING

* RELOCATE EXISTING STREET NAME SIGN TO NEW MAST ARM

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLE PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
48 SIGNAL POLE, LUMINAIRE ARM AND LUMINAIRE SHALL MEET SUMMERLIN STANDARDS FOR STYLE, COLOR AND DESIGN.
50 EXTENSION POLE AND HARDWARE FOR CCTV CAMERA SHALL MEET SUMMERLIN STANDARDS FOR STYLE, COLOR AND DESIGN.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN HEADS.
52 RELOCATE EXISTING STREET NAME SIGN TO NEW MAST ARM.
53 RELOCATE EXISTING LUMINAIRE TO NEW POLE.
54 INSTALL TENON ON MAST ARM.
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

AS-BUILT

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Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

HUALAPAI WAY AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 736-6633 • FAX: (702) 736-0704
Kimley-Horn and Associates, Inc.

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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No. T-1A
Sheet 440 of 592

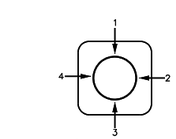
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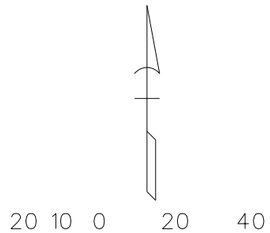
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

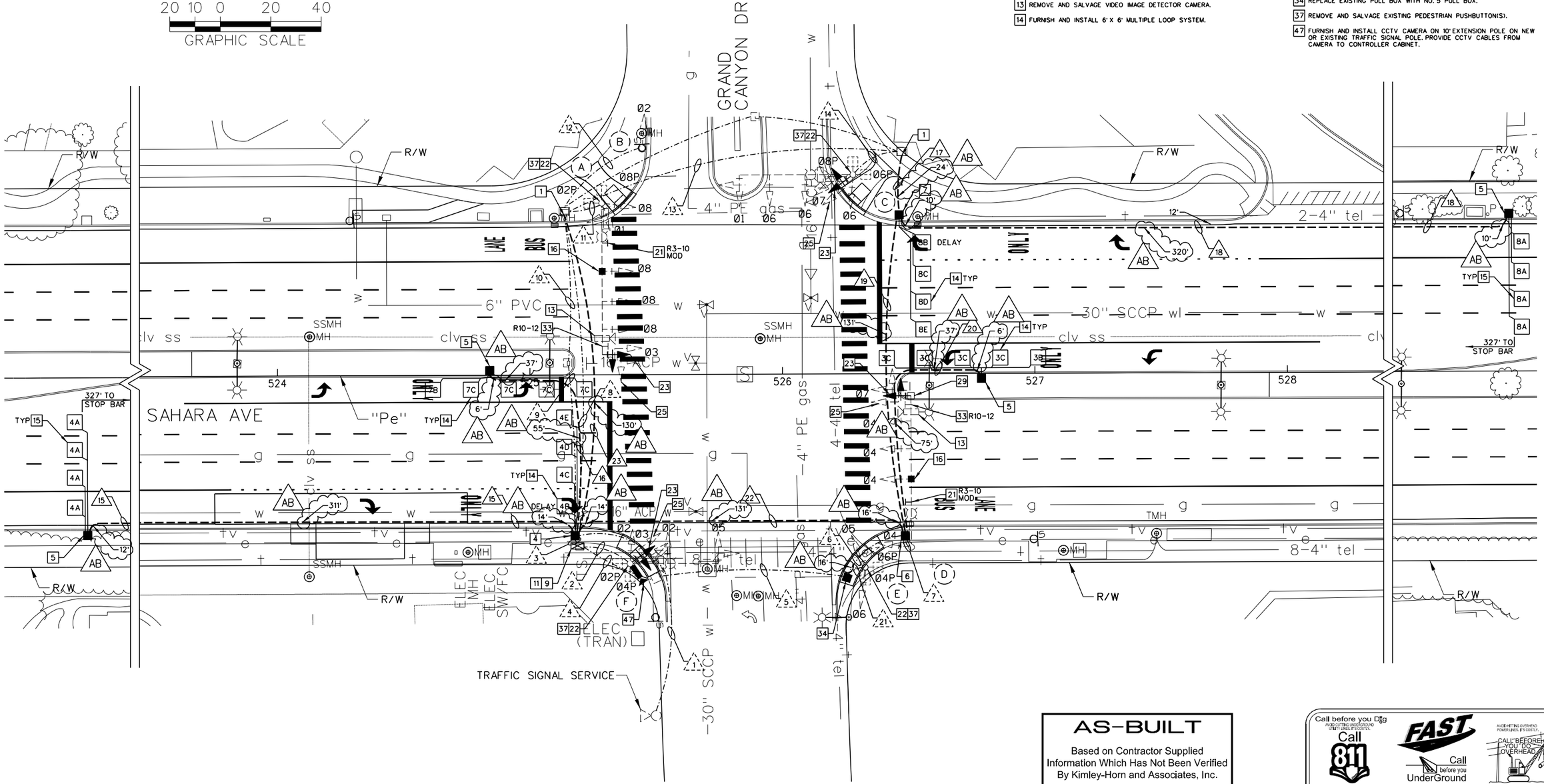
AS - BUILT - 05.31.2012





CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
4 REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH NO. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
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47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.



AS-BUILT

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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL PLAN

GRAND CANYON DR AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	ARP
DESIGNED BY:	RWC	CHECKED BY:	RWF
APPROVED BY	RWC		

THE Louis Berger Group, INC. 100 AMIGO COURT, SUITE 100 · LAS VEGAS, NEVADA · 89119 PHONE: (702) 736-6632 · FAX: (702) 736-0704

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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No. T-2

Sheet 441 of 592

XREF :
FILE :

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX-A 30' (E)	3	60' (E)	3	15' (E)	(3) M-2 (E) M-2 (N) B-2T (E)	MA MA 1	W-3T (E)	1	Ø2 Ø8	LT (N) LT (N)	2 1	13 16 21 22 23 25 33 37
(B)	EXISTING	1-A 10' (E)	-	-	-	-	A-1 (E)	TOP	-	-	-	-	-	
(C)	EXISTING	XX 30' (E)	4	45' (E)	4	15' (E)	(3) M-2 (E) B-2T (N)	MA 2	W-3T (E)	2	Ø6 Ø8	LT (N) LT (N)	2 3	22 23 25 37
(D)	EXISTING	XX-A 30' (E)	1	60' (E)	1	15' (E)	(3) M-2 (E) M-2 (N) B-1T (E)	MA MA 3	-	-	-	-	-	13 16 21 23 25 29 33
(E)	EXISTING	1-A 10' (E)	-	-	-	-	A-4T (E)	TOP	W-3T (E)	3	Ø4 Ø6	RT (N) LT (N)	1 4	22 37
(F)	EXISTING	XX 30' (E)	2	35' (E)	2	15' (E)	(2) M-2 (E) B-2T (N)	MA 4	W-3T (E)	4	Ø2 Ø4	RT (N) LT (N)	2 1	22 23 25 37 47

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
			CONDUIT																						
4-NO. 4 SERVICE	SERVICE PEDESTAL	CONTROLLER	E	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE A	-	-	E	-	-	-	-	-	E	E	E	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND NO. 14	CONTROLLER	POLE B	-	-	E	-	-	-	-	E	-	-	-	E	-	-	-	-	-	-	-	-	-	-	-
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE C	-	-	E	-	-	-	-	E	-	-	-	-	E	-	-	-	-	-	-	-	-	-	-
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE D	-	-	-	E	E	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND NO. 14	CONTROLLER	POLE E	-	-	-	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	-	-
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE F	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OPTICOM (EVP)	CONTROLLER	POLE A	-	-	●	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	●
OPTICOM (EVP)	CONTROLLER	POLE D	-	-	●	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-
OPTICOM (EVP)	CONTROLLER	POLE F	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE A	-	-	A	-	-	-	-	-	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE C	-	-	E	-	-	-	-	E	-	-	-	-	E	-	-	-	-	-	-	-	-	-	-
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE D	-	-	-	A	A	A	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE F	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD-IN CABLE (Ø8-EXT)	CONTROLLER	DET PULL BOX	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	●	-
LOOP LEAD-IN CABLE (Ø8-STOP)	CONTROLLER	DET PULL BOX	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	●	-
LOOP LEAD-IN CABLE (Ø3)	CONTROLLER	DET PULL BOX	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	●	-
LOOP LEAD-IN CABLE (Ø4-EXT)	CONTROLLER	DET PULL BOX	-	-	●	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-
LOOP LEAD-IN CABLE (Ø4-STOP)	CONTROLLER	DET PULL BOX	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD-IN CABLE (Ø7)	CONTROLLER	DET PULL BOX	-	-	●	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-
CCTV CAMERA CABLE	CONTROLLER	POLE F	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-NO. 8 (GREEN)	CONTROLLER TO POLES/BOXES		E	E	E	E	E	E	E	E	E	E	E	E	E	E	1	1	3	1	3	1	E	3	3
PULL ROPE	(NUMBER AS SHOWN)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	1	3	1	-	3	3
No. OF CONDUITS - CONDUIT SIZE			1-2" (E)	1-3" (E)	2-3" (E)	1-3" (E)	1-2" (E)	1-2" (E)	1-2" (E)	1-2" (E)	1-2" (E)	1-3" (E)	1-2" (E)	1-3" (E)	1-2" (E)	1-2"	1-2" 2-3"	1-2"	1-2" 2-3"	1-2"	1-2" (E)	1-2" (E)	1-2" 2-3"	1-2" (E)	1-2" 2-3"

E = EXISTING CABLE, CONDUCTORS OR CONDUITS
A = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

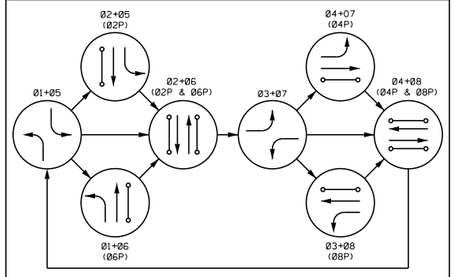
	ONLY	LEFT TURN YIELD ON GREEN
SIGN DESIGNATION DIMENSIONS	R3-10 (MOD) 30" x 36"	R10-12 30" x 36"
POLE*	(A) (D)	(A) (D)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

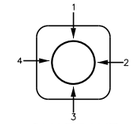
STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	-	GRAND CANYON	-	-	YES	EXISTING
(C)	-	SAHARA	-	-	YES	EXISTING
(D)	-	GRAND CANYON	-	-	YES	EXISTING
(F)	-	SAHARA	-	-	YES	EXISTING

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLE PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
4 REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH NO. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
34 REPLACE EXISTING PULL BOX WITH NO. 5 PULL BOX.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By Kimley-Horn and Associates, Inc.

Call before you Dig — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL SCHEDULES
GRAND CANYON DR AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 736-6632 • FAX: (702) 736-0704
Kimley-Horn and Associates, Inc.
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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No. T-2A
Sheet 442 of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

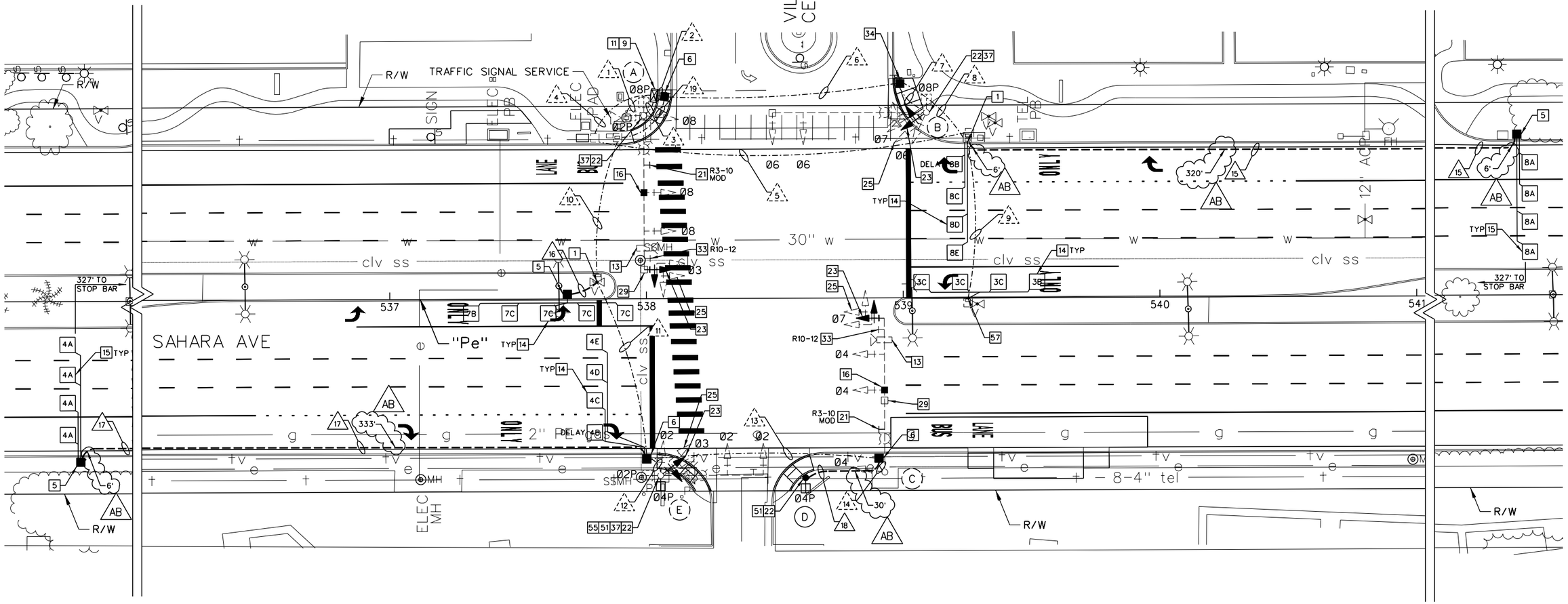
AS - BUILT - 05.31.2012

QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

GRAPHIC SCALE
20 10 0 20 40

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
34 REPLACE EXISTING PULL BOX WITH NO. 5 PULL BOX.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEADS.
55 REMOVE AND SALVAGE EXISTING PEDESTRIAN SIGNAL HEAD.
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By Kimley-Horn and Associates, Inc.

Call before you Dig — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST — Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL PLAN

VILLAGE SQUARE CENTER AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

THE Louis Berger Group, INC. 100 AMIGO COURT, SUITE 100 · LAS VEGAS, NEVADA · 89119 PHONE: (702) 736-6632 · FAX: (702) 736-0704
Kimley-Horn and Associates, Inc.
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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No. T-3
Sheet 443 of 592

XREF :
FILE :

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX-A 30' (E)	3	60' (E)	3	15' (E)	(2) M-2 (E) M-2 (N) B-1T (E)	MA MA 1	W-3T (E)	1	Ø2 Ø8	LT (N) RT (N)	2 3	13 16 21 22 23 25 29 33 37
(B)	EXISTING	XX-A 30' (E)	4	60' (E)	4	15' (E)	(2) M-2 (E) B-2T (N)	MA 2	W-0T (E)	2	Ø8	RT (N)	1	22 23 25 37
(C)	EXISTING	XX-A 30' (E)	1	60' (E)	1	15' (E)	(2) M-2 (E) M-2 (N) B-1T (E)	MA MA 3	–	–	–	–	–	13 16 21 23 25 29 33
(D)	"Pe" 538+61.7 69.9' RT	1-B 7' C (E)	–	–	–	–	–	–	W-1T (N)	TOP	Ø4	RT (N)	1	22 51
(E)	EXISTING	XX 30' (E)	2	40' (E)	2	15' (E)	(2) M-2 (E) B-2T (N)	MA 4	W-3T (N)	3	Ø2 Ø4	RT (N) LT (N)	2 1	22 23 25 37 51 55

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
4-NO. 14 1-NO. 6	SERVICE PEDESTAL	CONTROLLER	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE A	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE B	–	E	–	–	–	E	E	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE C	–	E	–	–	–	–	–	–	–	E	E	–	E	E	–	–	–	–	E
1-15 COND NO. 14	CONTROLLER	POLE D	–	●	–	–	–	–	–	–	–	●	●	–	●	–	–	–	–	●	●
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE E	–	E	–	–	–	–	–	–	–	E	E	E	–	–	–	–	–	–	E
OPTICOM (EVP)	CONTROLLER	POLE A	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE B	–	E	–	–	–	E	E	–	–	–	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE C	–	●	–	–	–	–	–	–	–	●	●	–	●	●	–	–	–	–	●
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE A	–	–	A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE B	–	E	–	–	–	E	E	–	–	–	–	–	–	–	–	–	–	–	–
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE C	–	A	–	–	–	–	–	–	–	A	A	–	A	A	–	–	–	–	A
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE E	–	E	–	–	–	–	–	–	–	E	E	E	–	–	–	–	–	–	E
LOOP LEAD-IN CABLE (08-EXT)	CONTROLLER	DET PULL BOX	–	●	–	–	–	●	–	●	–	–	–	–	–	–	●	–	–	–	–
LOOP LEAD-IN CABLE (08-STOP)	CONTROLLER	DET PULL BOX	–	●	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (03)	CONTROLLER	DET PULL BOX	–	●	–	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (04-EXT)	CONTROLLER	DET PULL BOX	–	●	–	–	–	–	–	–	–	●	●	–	–	–	–	–	●	–	●
LOOP LEAD-IN CABLE (04-STOP)	CONTROLLER	DET PULL BOX	–	●	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	●
LOOP LEAD-IN CABLE (07)	CONTROLLER	DET PULL BOX	–	●	–	–	–	–	–	–	–	●	–	–	–	–	–	●	–	–	●
SIC	PULL BOX	CONTROLLER	–	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-NO. 8 (GREEN)	CONTROLLER TO POLES/BOXES		E	E	E	E	E	E	E	E	E	E	E	E	E	E	1	1	1	1	E
PULL ROPE	(NUMBER AS SHOWN)		–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	1	1	–
No. OF CONDUITS - CONDUIT SIZE			1-2" (E)	4-3" (E)	1-3" (E)	2-3" (E)	2-3" (E)	1-2"-1-3" (E)	1-3" (E)	1-2" (E)	2-3" (E)	2-3" (E)	1-3" (E)	2-3" (E)	1-3" (E)	1-2"	1-2"	1-2"	1-2"	1-2"	2-3" (E)

E = EXISTING CABLE, CONDUCTORS OR CONDUITS
A = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

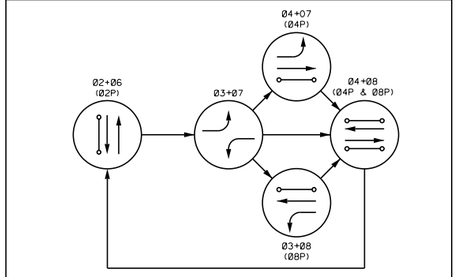
		
SIGN DESIGNATION DIMENSIONS	R3-10 (MOD) 30" x 36"	R10-12 30" x 36"
POLE*	(A) (C)	(A) (C)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

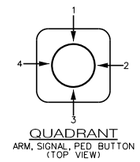
STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	–	VILLAGE SQUARE CENTER	–	–	YES	EXISTING
(B)	W	SAHARA	AVE	9500	YES	EXISTING
(E)	W	SAHARA	AVE	9500	YES	EXISTING

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
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8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.

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1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
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6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
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11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6'X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6'X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
34 REPLACE EXISTING PULL BOX WITH NO. 5 PULL BOX.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEADS.
55 REMOVE AND SALVAGE EXISTING PEDESTRIAN SIGNAL HEAD.
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.

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REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

VILLAGE SQUARE CENTER AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

THE Louis Berger Group, INC. 300 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119 PHONE: (702) 736-6633 • FAX: (702) 736-0704

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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No. T-3A
Sheet 444 of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

GRAPHIC SCALE
20 10 0 20 40

CONSTRUCTION NOTES:

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29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
56 RELOCATE SIGNAL POLE AND ALL EQUIPMENT TO NEW FOUNDATION.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

EXISTING LOOPS. PROTECT IN PLACE.
LOOP LEAD-IN TO EXTENSION LOOPS. PROTECT IN PLACE.
FORT APACHE RD
SAHARA AVE
R/W
TRAFFIC SIGNAL SERVICE
EXISTING TRAFFIC CONTROLLER CABINET
LOOP LEAD-IN TO EXTENSION LOOPS. PROTECT IN PLACE.
EXISTING LOOPS. PROTECT IN PLACE.
ONLY
327' TO STOP BAR
302'
DELAY
TYP
"Pe"
ELEC PB
ELEC SW/FC
ELEC (TRANS)
ELEC MH
CONTROLLER
TMH
SSMH
MH LVVWD
RNV1-3
R3-8 MOD
R3-10 MOD

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AB	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
FORT APACHE RD AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
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100 AMIGO COURT, SUITE 100 · LAS VEGAS, NEVADA · 89119
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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No. T-4
Sheet 445 of 592

XREF :
FILE :

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	TYPE HEIGHT FOUND.	POLE: SIGNAL ARM QUAD	POLE: SIGNAL ARM LENGTH	POLE: LUMINAIRE ARM QUAD	POLE: LUMINAIRE ARM LENGTH	SIGNALS: VEHICLE TYPE	SIGNALS: VEHICLE QUAD	SIGNALS: PEDESTRIAN TYPE	SIGNALS: PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON: PHASE	PEDESTRIAN PUSH BUTTON: ARROW	PEDESTRIAN PUSH BUTTON: QUAD	REMARKS
(A)	EXISTING	XX-B 30' (E)	3	65' (E)	3	15' (E)	(4) M-2 (E) B-1T (E)	MA 1	–	–	–	–	–	16 21 29 33
(B)	EXISTING	1-A 10' (E)	–	–	–	–	A-2T (E)	TOP	W-3T (E)	1	Ø2 Ø8	LT (E) RT (E)	2 3	
(C)	EXISTING	XX 30' (E)	4	45' (E)	4	15' (E)	(3) M-2 (E) B-1T (E)	MA 2	–	–	–	–	–	
(D)	"Pe" 553+06.8 73.2' LT	1-A 10' C (N)	–	–	–	–	A-2T (E)	TOP	W-3T (E)	2	Ø6 Ø8	RT (E) LT (E)	4 3	56
(E)	EXISTING	1-A 10' (E)	–	–	–	–	A-2T (E)	TOP	W-3T (E)	1	Ø6 Ø8	RT (E) LT (E)	4 3	18 56 RELOCATE TO (D) FOUNDATION
(F)	EXISTING	XX-A 30' (E)	1	60' (E)	1	15' (E)	(4) M-2 (E) B-1T (E)	MA 3	–	–	–	–	–	16 21 33
(G)	EXISTING	1-A 10' (E)	–	–	–	–	A-2T (E)	TOP	W-3T (E)	3	Ø4 Ø6	RT (E) LT (E)	1 4	18 56 RELOCATE TO (H) FOUNDATION
(H)	"Pe" 553+18.6 75.8' RT	1-A 10' C	–	–	–	–	A-2T (E)	TOP	W-3T (E)	3	Ø4 Ø6	RT (E) LT (E)	1 4	56
(I)	EXISTING	XX-A 30' (E)	2	60' (E)	2	15' (E)	(4) M-2 (E) B-2T (E)	MA 4	W-3T (E)	4	Ø2 Ø4	RT (E) LT (E)	2 1	47

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SERVICE CONDUCTORS	SERVICE PEDESTAL	CONTROLLER	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE A	–	E	–	–	–	–	E	–	–	–	–	–	–	–	–	–	–	–	E	–	–	–	–
1-10 COND NO. 14	CONTROLLER	POLE B	–	E	–	–	–	–	–	E	–	–	–	–	–	–	–	–	–	–	E	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE C	–	E	–	–	–	–	–	–	E	–	–	–	E	E	E	–	–	–	–	–	–	–	E
1-15 COND NO. 14	CONTROLLER	POLE D	–	●	–	–	–	–	–	–	●	–	–	–	–	●	●	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE F	–	E	–	–	–	–	–	–	–	E	–	–	–	–	–	–	–	–	–	–	–	E	–
1-15 COND NO. 14	CONTROLLER	POLE H	–	●	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE I	–	E	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE A	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE F	–	●	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE I	–	E	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø2-EXT)	CONTROLLER	DET PULL BOX	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	E	E	E	–	–	–	–
LOOP LEAD-IN CABLE (Ø5)	CONTROLLER	DET PULL BOX	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	E	–	E	–	–	–	–
LOOP LEAD-IN CABLE (Ø6-EXT)	CONTROLLER	DET PULL BOX	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	E	E	E	–
LOOP LEAD-IN CABLE (Ø1)	CONTROLLER	DET PULL BOX	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	E	E	–
LOOP LEAD-IN CABLE (Ø8-EXT)	CONTROLLER	DET PULL BOX	–	●	–	–	–	–	–	–	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø8-STOP)	CONTROLLER	DET PULL BOX	–	●	–	–	–	–	–	–	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø3)	CONTROLLER	DET PULL BOX	–	●	–	–	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø4-EXT)	CONTROLLER	DET PULL BOX	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø4-STOP)	CONTROLLER	DET PULL BOX	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø7)	CONTROLLER	DET PULL BOX	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCTV CAMERA CABLE	CONTROLLER	POLE I	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-NO. 8 (GREEN)	CONTROLLER TO POLES/BOXES		E	E	E	1	1	3	E	E	3	1	E	1	E	3	1	1	E	E	E	E	E	E	E
PULL ROPE	(NUMBER AS SHOWN)		–	–	–	1	1	3	–	–	3	1	–	1	–	3	1	1	–	–	–	–	–	–	–
No. OF CONDUITS - CONDUIT SIZE			1-2"(E)	5-3"(E)	1-2"(E)	1-2"	1-2", 2-3"	1-2"(E)	1-2", 2-3"	1-2"(E)	1-2", 2-3"	1-2"(E)	1-2"	1-2"(E)	1-2", 2-3"	1-2"	1-2"(E)	1-2"(E)	1-2"(E)	1-2"(E)	1-2"(E)	1-2"(E)	2-2"(E)	1-2"(E)

E = EXISTING CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

SIGN DESIGNATION DIMENSIONS	R3-8 (MOD) 36" x 36"	R3-10 (MOD) 30" x 36"	RNV1-3 30" x 36"
POLE*	(A) (F)	(A) (F)	(A) (F)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	S	FORT APACHE	RD	2400	YES	EXISTING
(C)	W	SAHARA	AVE	9200	YES	EXISTING
(F)	S	FORT APACHE	RD	2500	YES	EXISTING
(I)	W	SAHARA	AVE	9300	YES	EXISTING

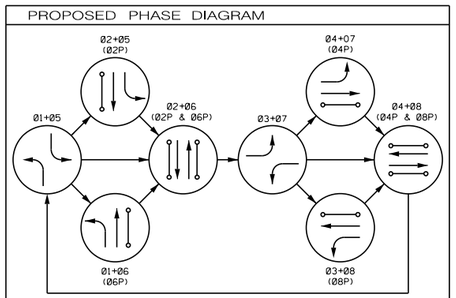
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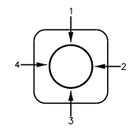
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PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

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REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL SCHEDULES
FORT APACHE RD AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
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SCALE
HORIZ : AS SHOWN
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FIELD BOOK : NONE

SHEET No. T-4A
Sheet 446 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

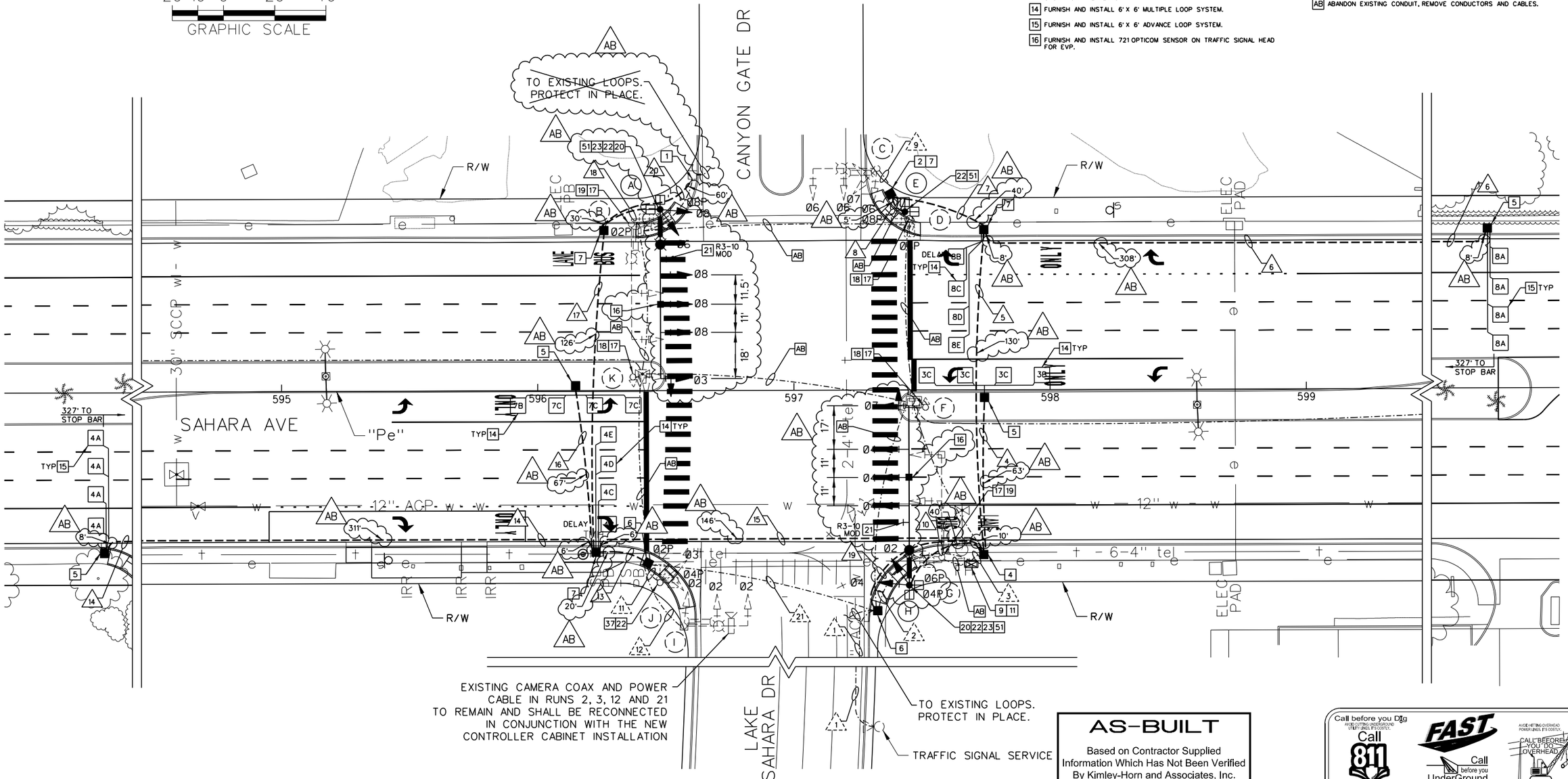
XREF :
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QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

20 10 0 20 40
GRAPHIC SCALE

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17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
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REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA
RTC OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
LAKE SAHARA DR/CANYON GATE DR AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

THE Louis Berger Group, INC.
300 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 736-6633 • FAX: (702) 736-6704

Kimley-Horn and Associates, Inc.
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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No.
T-5
Sheet 447 of 592

XREF :
FILE :

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	VEHICLE QUAD	PEDESTRIAN TYPE	PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PUSH BUTTON ARROW	PUSH BUTTON QUAD	REMARKS
A	"Pe" 596+47.9 69.7' LT	XX-B 30' M (N)	3	65' (N)	3	15' (N)	(4) M-2 (N) B-2T (N)	MA 1	W-3T (N)	1	Ø2 Ø8	LT (N) RT (N)	2 3	16 20 21 22 23 51
B	EXISTING	XX 30' (E)	3	45' (E)	3	15' (E)	(2) M-2 (E) B-1T (E)	MA 1	W-4T (E)	1	Ø2 Ø8	LT (E) RT (E)	2 3	17 19
C	EXISTING	XX 30' (E)	4	25' (E)	4	15' (E)	(2) M-2 (E) B-2T (E)	MA 2	–	–	–	–	–	
D	EXISTING	1-B 7' (E)	–	–	–	–	–	–	W-2T (E)	TOP	Ø6 Ø8	RT (E) LT (E)	4 3	17 18
E	"Pe" 597+43.5 69.5' LT	1-B 7' C (N)	–	–	–	–	–	–	W-2T (N)	TOP	Ø6 Ø8	RT (N) LT (N)	4 3	22 51
F	EXISTING	1-A 10' (E)	–	–	–	–	A-2T (E)	TOP	–	–	–	–	–	17 18
G	EXISTING	XX 30' (E)	1	40' (E)	1	15' (E)	(2) M-2 (E) B-1T (E)	MA 3	W-4T (E)	3	Ø4 Ø6	RT (E) LT (E)	1 4	17 19
H	"Pe" 597+41.6 76.1' RT	XX-B 30' M (N)	1	70' (N)	1	15' (N)	(4) M-2 (N) B-2T (N)	MA 3	W-3T (N)	3	Ø4 Ø6	RT (N) LT (N)	1 4	16 20 21 22 23 51
I	EXISTING	XX 30' (E)	2	25' (E)	2	15' (E)	(2) M-2 (E) B-1T (E)	MA 4	–	–	–	–	–	
J	EXISTING	1-A 10' (E)	–	–	–	–	A-1 (E)	TOP	W-2T (E)	4	Ø2 Ø4	RT (N) LT (N)	2 1	22 37
K	EXISTING	1-A 10' (E)	–	–	–	–	A-2T (E)	TOP	–	–	–	–	–	17 18

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
SERVICE CONDUCTORS	SERVICE PEDESTAL	CONTROLLER	E	E	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE A	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE C	–	–	●	–	●	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–
1-15 COND NO. 14	CONTROLLER	POLE E	–	–	●	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE H	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE I	–	E	E	–	–	–	–	–	–	–	–	E	–	–	–	–	–	–	–	–	E
1-15 COND NO. 14	POLE I	POLE J	–	–	–	–	–	–	–	–	–	–	E	E	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE A	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE H	–	–	●	–	–	–	–	–	–	●	–	–	–	–	–	–	●	●	–	–	–
LOOP LEAD-IN CABLE (02)	CONTROLLER	DET PULL BOX	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	●	–
LOOP LEAD-IN CABLE (06)	CONTROLLER	DET PULL BOX	–	E	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (08-EXT)	CONTROLLER	DET PULL BOX	–	–	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (08-STOP)	CONTROLLER	DET PULL BOX	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (03)	CONTROLLER	DET PULL BOX	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (04-EXT)	CONTROLLER	DET PULL BOX	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
LOOP LEAD-IN CABLE (04-STOP)	CONTROLLER	DET PULL BOX	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–
LOOP LEAD-IN CABLE (07)	CONTROLLER	DET PULL BOX	–	–	●	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–
1-NO. 8 (GREEN)	CONTROLLER TO POLES/BOXES		E	E	E	1	3	1	1	1	1	1	E	E	1	1	3	1	3	1	1	1	E
PULL ROPE	(NUMBER AS SHOWN)		–	–	–	1	3	1	1	1	1	1	–	–	1	1	3	1	3	1	1	1	–
No. OF CONDUITS - CONDUIT SIZE			1-2" (E)	3-2" (E)	1-3" (E)	1-2"	1-2", 2-3"	1-2"	1-3"	1-2" (E)	1-3"	1-2" (E)	1-2" (E)	1-3"	1-2"	1-2", 2-3"	1-2"	1-2", 2-3"	1-3"	1-3"	1-2"	1-2" (E)	

E = EXISTING CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

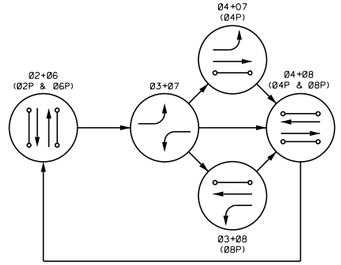
	ONLY
SIGN DESIGNATION DIMENSIONS	R3-10 (MOD) 30" x 36"
POLE*	(A) (H)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

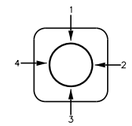
STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
A	S	Canyon Gate	Dr	2400	YES	NEW
C	W	SAHARA	AVE	8600	YES	EXISTING
H	S	Lake Sahara	Dr	2500	YES	NEW
I	W	SAHARA	AVE	8700	YES	EXISTING

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLE PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
2 INTERCEPT EXISTING CONDUIT(S) AN INSTALL NEW PULL BOX.
4 REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEADS.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By Kimley-Horn and Associates, Inc.

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Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY!
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

LAKE SAHARA DR/CANYON GATE DR AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No. T-5A
Sheet 448 of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

QUADRANT
ARM, SIGNAL PED. BUTTON
(TOP VIEW)

20 10 0 20 40
GRAPHIC SCALE

CONSTRUCTION NOTES:

1. INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
4. REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
5. FURNISH AND INSTALL No. 5 PULL BOX.
6. REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7. FURNISH AND INSTALL No. 7 PULL BOX.
9. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11. FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14. FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15. FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16. FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17. REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18. REMOVE POLE FOUNDATION.
19. ABANDON POLE FOUNDATION.
20. FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21. FURNISH AND INSTALL SIGN ON MAST ARM.
22. FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S)
23. FURNISH AND INSTALL NEW SIGNAL HEAD.
37. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47. FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51. FURNISH AND INSTALL NEW COUNT DOWN PEDESTRIAN SIGNAL HEADS.
56. RELOCATE SIGNAL POLE AND ALL EQUIPMENT TO NEW FOUNDATION.
AB. ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

DURANGO DR
SAHARA AVE
BUS LANE
ONLY
DELAY
TYP
R/W
ELEC PB
SW/FC
SSMH
LDB12
LDB11
LDB10
R3-10 MOD
R3-8 MOD
327' TO STOP BAR
606
608
610
312'
322'
130'
122'
101'
63'
60'
40'
30'
33'
23'
22.5'
"Pe"

AS-BUILT

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REV. NO.	DATE	DESCRIPTION	APPROVED
1	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL PLAN

DURANGO DR AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	ARP
DESIGNED BY:	RWC	CHECKED BY:	RWF
APPROVED BY	RWC		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 735-6053 • FAX: (702) 735-0124

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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No.
T-6
Sheet 449 of 592

XREF :
FILE :

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX-A 30' (E)	3	50' (E)	3	15' (E)	(3) M-2 (E) B-14T (E)	MA 1	–	–	–	–	–	17 19
(B)	"Pe" 607+17.0 75.5' LT	XX-B 30' M (N)	3	80' (N)	3	15' (N)	(4) M-2 (N) B14-T (N)	MA 1	W-3T (N)	1	Ø2 Ø8	LT (N) RT (N)	2 3	16 20 21 22 23 47 51
(C)	EXISTING	1-B 7' (E)	–	–	–	–	–	–	W-2T (E)	TOP	Ø2 Ø8	LT (E) RT (E)	2 3	17 18
(D)	EXISTING	X 30' (E)	4	45' (E)	4	15' (E)	(2) M-2 (E) M-5 (E) B-2T (E)	MA MA 2	–	–	–	–	–	
(E)	"Pe" 608+31.0 73.9' LT	1-B 7' C (N)	–	–	–	–	–	–	W-2T (E)	TOP	Ø6 Ø8	RT (N) LT (N)	4 3	22 37 56
(F)	EXISTING	1-B 7' (E)	–	–	–	–	–	–	W-2T (E)	TOP	Ø6 Ø8	RT (E) LT (E)	4 3	18 56 RELOCATE TO (E) FOUNDATION
(G)	EXISTING	XX-A 30' (E)	1	50' (E)	1	15' (E)	(3) M-2 (E) B-14T (E)	MA 3	–	–	–	–	–	17 19
(H)	"Pe" 608+54.9 72.3' RT	XX-B 30' M (N)	1	75' (N)	1	15' (N)	(4) M-2 (N) B-14T (N)	MA 3	W-3T (N)	3	Ø4 Ø6	RT (N) LT (N)	1 4	16 20 21 22 23 51
(I)	EXISTING	1-B 7' (E)	–	–	–	–	–	–	W-2T (E)	TOP	Ø4 Ø6	RT (E) LT (E)	1 4	17 18
(J)	EXISTING	XX 30' (E)	2	45' (E)	2	15' (E)	(2) M-2 (E) M-5 (E) B-2T (E)	MA MA 4	–	–	–	–	–	
(K)	EXISTING	1-B 7' (E)	–	–	–	–	–	–	W-2T (E)	TOP	Ø2 Ø4	RT (N) LT (N)	2 1	22 37

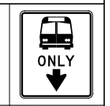
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(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
4-NO. 4 SERVICE 1-NO. 6 GROUND	SERVICE PEDESTAL	CONTROLLER	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE B	–	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE D	–	●	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	●	–
1-15 COND NO. 14	CONTROLLER	POLE E	–	●	–	–	–	–	–	–	–	–	●	–	–	–	●	–	–	●	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE H	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE J	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-15 COND NO. 14	CONTROLLER	POLE K	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE B	–	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE H	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–
OPTICOM (EVP)	CONTROLLER	POLE J	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE D	–	●	–	–	–	–	–	–	–	–	–	●	–	●	●	–	–	●	–
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE J	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø8-EXT)	CONTROLLER	DET PULL BOX	–	●	–	–	●	–	–	–	–	–	–	–	–	–	●	–	–	●	–
LOOP LEAD-IN CABLE (Ø8-STOP)	CONTROLLER	DET PULL BOX	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–
LOOP LEAD-IN CABLE (Ø3)	CONTROLLER	DET PULL BOX	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–
LOOP LEAD-IN CABLE (Ø4-EXT)	CONTROLLER	DET PULL BOX	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●
LOOP LEAD-IN CABLE (Ø4-STOP)	CONTROLLER	DET PULL BOX	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø7)	CONTROLLER	DET PULL BOX	–	●	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–
CCTV CAMERA CABLE	CONTROLLER	POLE B	–	●	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–
1-NO. 8 (GREEN)	CONTROLLER TO POLES/BOXES		E	2	1	1	1	1	3	1	1	3	1	1	E	1	3	1	1	4	1
PULL ROPE	(NUMBER AS SHOWN)		–	2	1	1	1	1	3	1	1	3	1	1	–	1	3	1	1	4	1
No. OF CONDUITS - CONDUIT SIZE			1-2"(E)	2-4"(E)	1-2"(E)	1-2"(E)	1-2"	1-3"	1-2"	2-3"	1-2"	1-3"	1-2"(E)	1-2"(E)	1-2"	2-3"	1-2"	1-3"	2-2"	2-3"	1-2"

E = EXISTING CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

		
SIGN DESIGNATION DIMENSIONS	R3-8 (MOD) 36" x 36"	R3-10 (MOD) 30" x 36"
POLE*	(B) (H)	(B) (H)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(B)	S	Durango	Dr	2400	YES	NEW
(D)	W	SAHARA	AVE	8500	YES	EXISTING
(H)	S	Durango	Dr	2500	YES	NEW
(J)	W	SAHARA	AVE	8600	YES	EXISTING

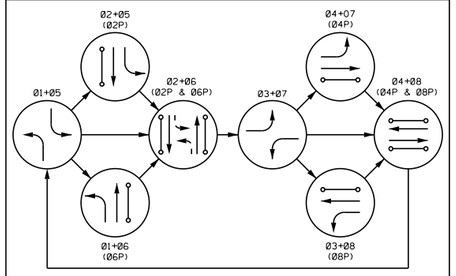
NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLE PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.

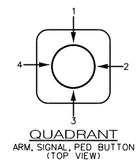
CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
4 REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S)
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNT DOWN PEDESTRIAN SIGNAL HEADS.
56 RELOCATE SIGNAL POLE AND ALL EQUIPMENT TO NEW FOUNDATION.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By Kimley-Horn and Associates, Inc.

Call before you Dig — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

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AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

DURANGO DR AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

THE Louis Berger Group, INC.
300 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 736-6632 • FAX: (702) 736-0704

Kimley-Horn and Associates, Inc.

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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No. T-6A

Sheet 450 of 592

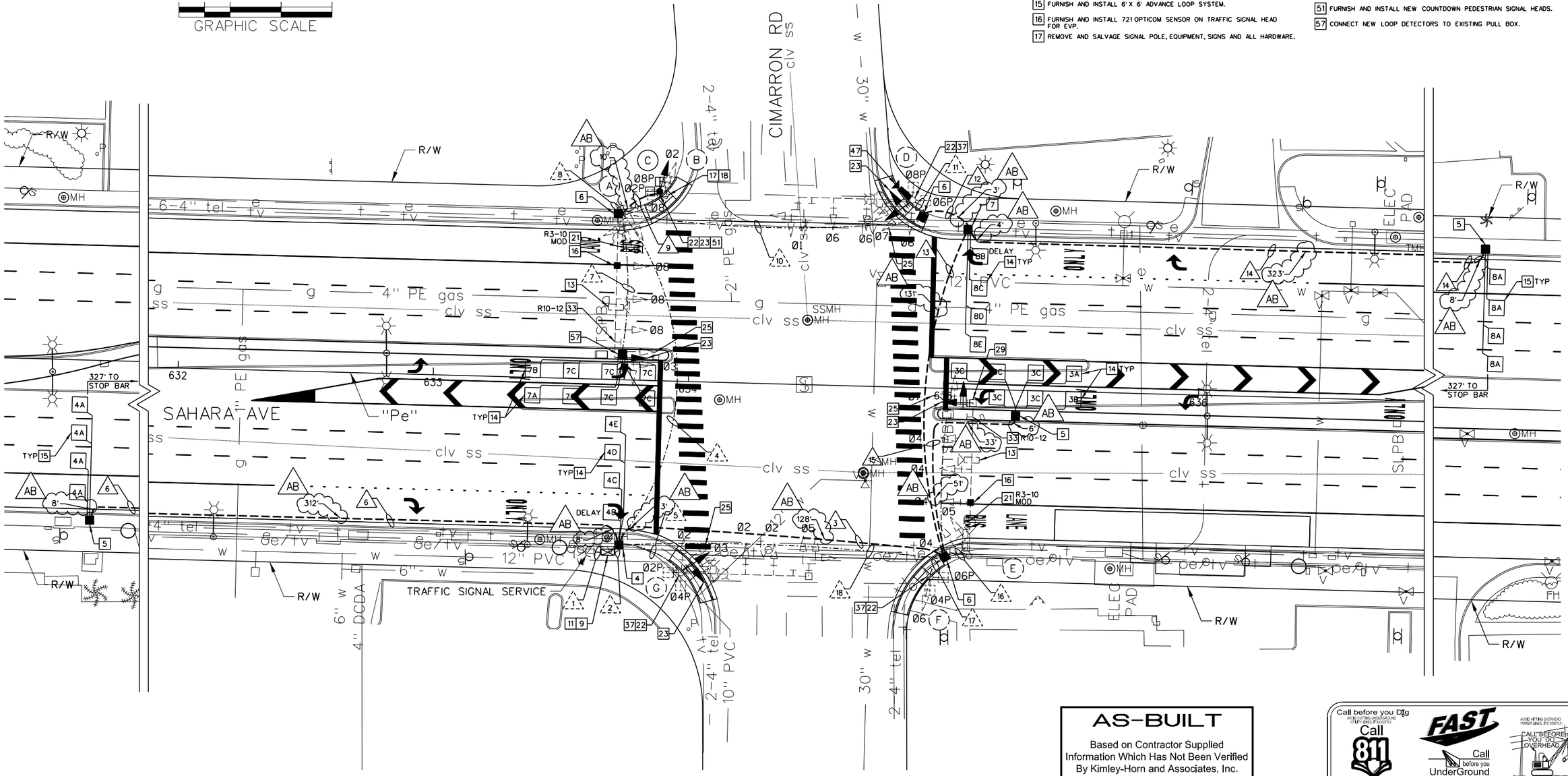
XREF :
FILE :

QUADRANT
ARM, SIGNAL PED. BUTTON
(TOP VIEW)

20 10 0 20 40
GRAPHIC SCALE

CONSTRUCTION NOTES:

4 REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
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6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
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13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
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18 REMOVE POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEADS.
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.



AS-BUILT

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REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
CIMARRON RD AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 735-6932 • FAX: (702) 735-0704
Kimley-Horn and Associates, Inc.
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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No.
T-7
Sheet 451 of 592

XREF :
FILE :

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX-A 30' (E) 1-A 10' (E)	3	60' (E)	3	15' (E)	(3) M-2 (E) M-2 (N) B-14T (E)	MA MA 1	–	–	–	–	–	13 16 21 23 25 33
(B)	EXISTING	10' (E) 1-A	–	–	–	–	A-2T (E)	TOP	W-3T (E)	1	Ø2 Ø8	LT (E) RT (E)	2 3	17 18
(C)	"Pe" 633+86.8 74.1' LT	10' (N) 1-A	–	–	–	–	A-2T (N)	TOP	W-3T (N)	1	Ø2 Ø8	LT (N) RT (N)	2 3	22 23 51
(D)	EXISTING	XX 30' (E)	4	45' (E)	4	15' (E)	(2) M-2 (E) M-5 (E) B-2T (N)	MA MA 2	W-3T (E)	2	Ø6 Ø8	RT (N) LT (N)	4 3	22 23 25 37 47
(E)	EXISTING	XX-A 30' (E)	1	60' (E)	1	15' (E)	(3) M-2 (E) M-2 (N) B-14T (E)	MA MA 3	–	–	–	–	–	13 16 21 23 25 29 33
(F)	EXISTING	10' (E) 1-A	–	–	–	–	A-2T (E)	TOP	W-3T (E)	3	Ø4 Ø6	RT (N) LT (N)	1 4	22 37
(G)	EXISTING	XX-A 30' (E)	2	50' (E)	2	15' (E)	(2) M-2 (E) M-5 (E) B-2T (N)	MA MA 4	W-3T (E)	4	Ø2 Ø4	RT (N) LT (N)	2 1	22 23 25 37

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
4-NO. 14 AWG	SERVICE PEDESTAL	CONTROLLER	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE A	–	E	–	E	–	–	–	E	–	–	–	–	–	–	–	–	–	–
1-15 COND NO. 14	POLE A	POLE C	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE D	–	E	–	E	–	–	–	–	–	E	E	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE E	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	E	–	E
1-15 COND NO. 14	POLE E	POLE F	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	E	E	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE G	–	E	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE A	–	●	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE E	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–
OPTICOM (EVP)	CONTROLLER	POLE G	–	E	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE A	–	A	–	A	–	–	–	A	–	–	–	–	–	–	–	–	–	–
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE D	–	E	–	E	–	–	–	–	–	E	E	–	–	–	–	–	–	–
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE E	–	A	–	–	–	–	–	–	–	–	–	–	–	–	–	A	–	A
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE G	–	E	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø8-EXT)	CONTROLLER	DET PULL BOX	–	●	●	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–
LOOP LEAD-IN CABLE (Ø8-STOP)	CONTROLLER	DET PULL BOX	–	●	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø3)	CONTROLLER	DET PULL BOX	–	●	●	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
LOOP LEAD-IN CABLE (Ø4-EXT)	CONTROLLER	DET PULL BOX	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø4-STOP)	CONTROLLER	DET PULL BOX	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø7)	CONTROLLER	DET PULL BOX	–	●	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–
CCTV CAMERA	CONTROLLER	POLE D	–	●	●	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–
1-NO. 8 (GREEN)	CONTROLLER TO POLES/BOXES		E	E	3	E	E	1	E	E	1	E	E	1	3	1	1	E	E	E
PULL ROPE	(NUMBER AS SHOWN)		–	–	3	–	–	1	–	–	1	–	–	1	3	1	1	–	–	–

No. OF CONDUITS - CONDUIT SIZE: 1-2"(E) 4-3"(E) | 1-2"; 2-3" | 2-3"(E) | 1-3"(E) | 1-2" | 1-2"(E) | 1-3"(E) | 1-2" | 1-3"(E) | 1-2"(E) | 1-3" | 1-2"; 2-3" | 1-2" | 1-2"(E) | 1-2"(E) | 1-3"(E)

E = EXISTING CABLE, CONDUCTORS OR CONDUITS
A = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

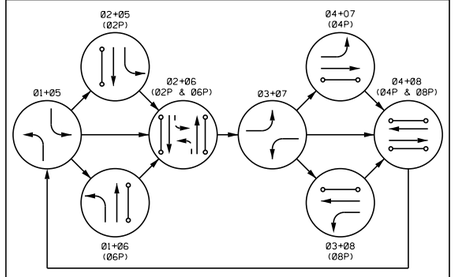
	ONLY	LEFT TURN YIELD ON GREEN
SIGN DESIGNATION DIMENSIONS	R3-10 (MOD) 30" x 36"	R10-12 30" x 36"
POLE*	(A) (E)	(A) (E)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

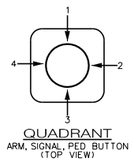
STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	S	CIMARRON	RD	2400	YES	EXISTING
(D)	W	SAHARA	AVE	8100	YES	EXISTING
(E)	S	CIMARRON	RD	2500	YES	EXISTING
(G)	W	SAHARA	AVE	8200	YES	EXISTING

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLE PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
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8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.

CONSTRUCTION NOTES:

4 REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEADS.
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.

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AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

CIMARRON RD AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

THE Louis Berger Group, INC. 500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119 PHONE: (702) 736-6633 • FAX: (702) 736-0704
Kimley-Horn and Associates, Inc.

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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No. T-7A
Sheet 452 of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

QUADRANT
ARM, SIGNAL PED. BUTTON
(TOP VIEW)

GRAPHIC SCALE
20 10 0 20 40

CONSTRUCTION NOTES:

1. INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
4. REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
5. FURNISH AND INSTALL No. 5 PULL BOX.
6. REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11. FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14. FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15. FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16. FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17. REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18. REMOVE POLE FOUNDATION.
19. ABANDON POLE FOUNDATION.
20. FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21. FURNISH AND INSTALL SIGN ON MAST ARM.
22. FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23. FURNISH AND INSTALL NEW SIGNAL HEAD.
37. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47. FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51. FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEADS.
57. CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
AB. ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

BUFFALO DR
SAHARA AVE
BUS LANE
ONLY
R/W
MH
SSMH
4" PE gas
2" PE gas
clv ss
"Pe"
8" ACP wl
36" w
2-4" tel
2-2" tel
327' TO STOP BAR
DELAY
TYP
EXISTING POLE AND FOUNDATION TO REMAIN
TRAFFIC SIGNAL SERVICE
ELEC PAD 2"
PED
TEL
PB
659
660
661
662
663

AS-BUILT

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REV. NO.	DATE	DESCRIPTION	APPROVED
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REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL PLAN

BUFFALO DR AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	ARP
DESIGNED BY:	RWC	CHECKED BY:	RWF
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SHEET No.
T-8
Sheet 453 of 592

XREF :
FILE :

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
A	"Pe" 660+39.2 73.1' LT	XX-B 30' M (N)	3	80' (N)	3	15' (N)	(4) M-2 (N) B-3C (N)	MA 4	–	–	Ø2 Ø8	LT (N) RT (N)	2 3	16 20 21 22 23 47 51
B	EXISTING	XX-A 30' (E)	3	55' (E)	3	15' (E)	(3) M-2 (E) B-1T (E)	MA 1	–	–	–	–	–	17 19
C	EXISTING	1-A 10' (E)	–	–	–	–	A-14T (E)	TOP	W-3T (E)	1	Ø2 Ø8	LT (E) RT (E)	2 3	17 18
D	EXISTING	XX 30' (E)	4	45' (E)	4	15' (E)	(3) M-2 (E) B-1T (E)	MA 2	–	–	–	–	–	
E	EXISTING	1-A 10' (E)	–	–	–	–	A-2T (E)	TOP	W-3T (E)	2	Ø6 Ø8	RT (N) LT (N)	4 3	22 37
F	EXISTING	XX-A 30' (E)	1	55' (E)	1	15' (E)	(3)M-2 (E) B-1T (E)	MA 3	–	–	–	–	–	17 19
G	"Pe" 661+64.6 73.2' RT	XX-B 30' M (N)	1	75' (N)	1	15' (N)	(4) M-2 (N) B-3C (N)	MA 2	W-3T (N)	3	Ø4 Ø6	RT (N) LT (N)	1 4	16 20 21 22 23 51
H	EXISTING	1-A 10' (E)	–	–	–	–	A-4T (E)	TOP	W-3T (E)	3	Ø4 Ø6	RT (E) LT (E)	1 4	17 18
I	EXISTING	XX-A 30' (E)	2	55' (E)	2	15' (E)	(2) M-2 (E) B-1T (E)	MA 4	–	–	–	–	–	
J	EXISTING	1-A 10' (E)	–	–	–	–	A-2T (E)	TOP	W-3T (E)	4	Ø2 Ø4	RT (N) LT (N)	2 1	22 37

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2-NO. 6 AWG 2-NO. 10 AWG	SERVICE PEDESTAL	CONTROLLER	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE A	–	●	–	–	●	–	–	–	●	●	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE D	–	E	–	–	–	E	–	–	–	–	–	–	–	–	–	E	–
1-15 COND NO. 14	CONTROLLER	POLE E	–	E	–	–	–	–	E	–	–	–	–	–	–	–	–	E	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE G	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE I	–	E	–	–	–	–	–	–	–	–	–	–	–	E	E	–	–
1-15 COND NO. 14	CONTROLLER	POLE J	–	E	–	–	–	–	–	–	–	–	–	–	E	–	E	–	–
OPTICOM (EVP)	CONTROLLER	POLE A	–	●	–	–	●	–	–	–	●	●	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE G	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE I	–	E	–	–	–	–	–	–	–	–	–	–	–	E	E	–	–
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE D	–	E	–	–	–	E	–	–	–	–	–	–	–	–	–	E	–
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE I	–	E	–	–	–	–	–	–	–	–	–	–	–	E	E	–	–
LOOP LEAD-IN CABLE (Ø8-EXT)	CONTROLLER	DET PULL BOX	–	●	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø8-STOP)	CONTROLLER	DET PULL BOX	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø3)	CONTROLLER	DET PULL BOX	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø4-EXT)	CONTROLLER	DET PULL BOX	–	●	–	–	–	–	–	–	–	–	●	–	–	–	–	–	●
LOOP LEAD-IN CABLE (Ø4-STOP)	CONTROLLER	DET PULL BOX	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
LOOP LEAD-IN CABLE (Ø7)	CONTROLLER	DET PULL BOX	–	●	–	–	●	–	–	–	●	–	●	–	–	–	–	–	–
CCTV CAMERA	CONTROLLER	POLE A	–	●	–	–	●	–	–	–	●	●	–	–	–	–	–	–	–
1-NO. 8 (GREEN)	CONTROLLER TO POLES/BOXES		E	E	1	1	3	E	E	1	3	1	E	1	E	E	E	E	3
PULL ROPE	(NUMBER AS SHOWN)		–	–	1	1	3	–	–	1	3	1	–	1	–	–	–	–	3
No. OF CONDUITS - CONDUIT SIZE			1-2"(E)	2-3"(E)	1-3"	1-2" 2-3"	1-2"(E)	1-2"(E)	1-2"	1-2" 2-3"	1-3"	1-2"(E)	1-2"(E)	1-2"	1-2"(E)	1-2"(E)	1-3"(E)	2-3"(E)	1-2" 2-3"

E = EXISTING CABLE, CONDUCTORS OR CONDUITS
A = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

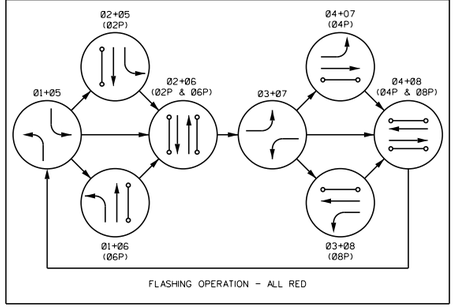
		
SIGN DESIGNATION DIMENSIONS	R3-8 (MOD) 36" x 36"	R3-10 (MOD) 30" x 36"
POLE*	(A) (G)	(A) (G)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

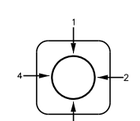
STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
A	S	Buffalo	Dr	2400	YES	NEW
D	W	SAHARA	AVE	7700	YES	EXISTING
G	S	Buffalo	Dr	2500	YES	NEW
I	W	SAHARA	AVE	7800	YES	EXISTING

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLE PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
4 REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEADS.
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
A8 ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By Kimley-Horn and Associates, Inc.

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REV. NO.	DATE	DESCRIPTION	APPROVED
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REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

BUFFALO DR AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
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PHONE: (702) 736-6053 • FAX: (702) 736-6704
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VERT : N/A
FIELD BOOK : NONE

SHEET No. T-8A
Sheet 454 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

05.31.2012

AS - BUILT -

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

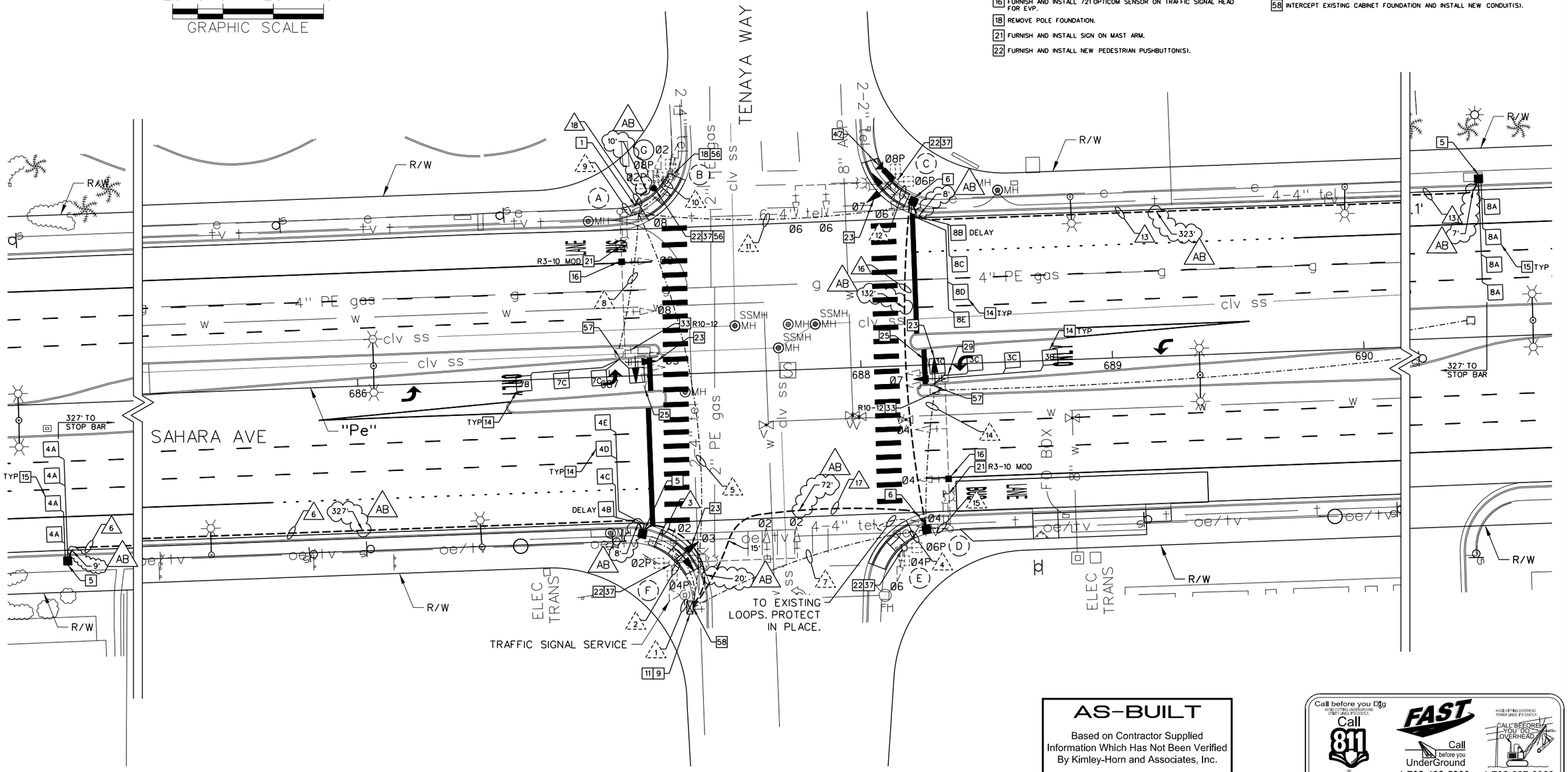
AS - BUILT - 05.31.2012

QUADRANT
ARM, SIGNAL PED. BUTTON
(TOP VIEW)

20 10 0 20 40
GRAPHIC SCALE

CONSTRUCTION NOTES:

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21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
56 RELOCATE SIGNAL POLE AND ALL EQUIPMENT TO NEW FOUNDATION.
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
58 INTERCEPT EXISTING CABINET FOUNDATION AND INSTALL NEW CONDUIT(S).



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REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL PLAN

TENAYA WAY AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	ARP
DESIGNED BY:	RWC	CHECKED BY:	RWF
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THE Louis Berger Group, INC.
900 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 796-4551 • FAX: (702) 796-4724
Kimley-Horn and Associates, Inc.

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SCALE
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VERT : N/A
FIELD BOOK : NONE

SHEET No.
T-9
Sheet 455 of 592

XREF :
FILE :

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX-A 30' (E)	3	60' (E)	3	15' (E)	(2) M-2 (E) M-2 (N) B-1T (E)	MA MA 1	–	–	–	–	–	16 21 23 25 33
(B)	EXISTING	1-A 10' (E)	–	–	–	–	A-2T (E)	TOP	W-3T (E)	4	Ø2 Ø8	LT (E) RT (E)	2 3	18 56 RELOCATE TO (G) FOUNDATION
(C)	EXISTING	XX 30' (E)	4	40' (E)	4	15' (E)	(2) M-2 (E) B-2T (N)	MA 2	W-3T (E)	2	Ø6 Ø8	RT (N) LT (N)	4 3	22 23 37 47
(D)	EXISTING	XX-A 30' (E)	1	60' (E)	1	15' (E)	(2) M-2 (E) M-2 (N) B-1T (E)	MA MA 3	–	–	–	–	–	16 21 23 25 29 33
(E)	EXISTING	1-A 10' (E)	–	–	–	–	A-2T (E)	TOP	W-3T (E)	2	Ø4 Ø6	RT (N) LT (N)	1 4	22 37
(F)	EXISTING	XX-A 30' (E)	2	50' (E)	2	15' (E)	(2) M-2 (E) B-2T (N)	MA 4	W-3T (E)	4	Ø2 Ø4	RT (N) LT (N)	2 1	22 23 37
(G)	"Pe" 687+20.4 74.2' LT	1-A 10' C	–	–	–	–	A-2T (E)	TOP	W-3T (E)	3	Ø2 Ø8	LT (N) RT (N)	2 3	22 37 56

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
SERVICE CONDUCTORS	SERVICE PEDESTAL	CONTROLLER	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-#5 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE A	–	–	–	–	E	–	–	–	E	–	–	–	–	–	–	–	–	–
1-#5 COND NO. 14	CONTROLLER	POLE B	–	–	–	–	–	–	–	–	–	BP	–	–	–	–	–	–	–	–
1-#5 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE C	–	–	–	–	E	–	–	–	–	–	E	E	–	–	–	–	–	–
1-#5 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE D	–	–	–	–	–	–	E	–	–	–	–	–	–	–	E	–	–	–
1-#5 COND NO. 14	CONTROLLER	POLE E	–	–	–	E	–	–	E	–	–	–	–	–	–	–	–	–	–	–
1-#5 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE F	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-#5 COND NO. 14	CONTROLLER	POLE G	–	–	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	RP
OPTICOM (EVP)	CONTROLLER	POLE A	–	–	–	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE D	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–
OPTICOM (EVP)	CONTROLLER	POLE F	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE F	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø6)	CONTROLLER	DET PULL BOX	–	–	–	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø8-EXT)	CONTROLLER	DET PULL BOX	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	●	–	
LOOP LEAD-IN CABLE (Ø8-STOP)	CONTROLLER	DET PULL BOX	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	
LOOP LEAD-IN CABLE (Ø3)	CONTROLLER	DET PULL BOX	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	●	–	
LOOP LEAD-IN CABLE (Ø4-EXT)	CONTROLLER	DET PULL BOX	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	
LOOP LEAD-IN CABLE (Ø4-STOP)	CONTROLLER	DET PULL BOX	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
LOOP LEAD-IN CABLE (Ø7)	CONTROLLER	DET PULL BOX	–	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	
CCTV CAMERA	CONTROLLER	POLE C	–	–	–	–	–	–	–	–	–	–	●	–	–	–	●	●	–	
1-NO. 8 (GREEN)	CONTROLLER TO POLES/BOXES		E	E	1	E	E	1	E	E	E	E	E	1	E	E	3	2	1	
PULL ROPE	(NUMBER AS SHOWN)		–	–	1	–	–	1	–	–	–	–	–	1	–	–	3	2	1	
No. OF CONDUITS - CONDUIT SIZE			1-2"(E)	1-2"(E)	1-2"	1-2"(E)	2-3"(E)	1-2"	1-3"(E)	1-3"(E)	1-2"(E)	1-2"(E)	1-3"(E)	1-2"(E)	1-2"	1-3"(E)	1-3"(E)	1-2"	2-3"	1-2"

E = EXISTING CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS
BP = BACKPULL EXISTING CABLES AND CONDUCTORS TO NEAREST PULL BOX
RP = REPULL EXISTING CABLES AND CONDUCTORS TO NEW POLE FOUNDATION

SIGN SCHEDULE

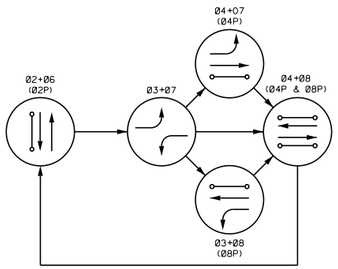
		
SIGN DESIGNATION DIMENSIONS	R3-10 (MOD) 30" x 36"	R10-12 30" x 36"
POLE*	(A) (D)	(A) (D)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

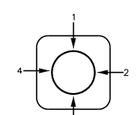
STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	S	TENAYA	WAY	2400	YES	EXISTING
(C)	W	SAHARA	AVE	7200	YES	EXISTING
(D)	S	TENAYA	WAY	2500	YES	EXISTING
(F)	W	SAHARA	AVE	7300	YES	EXISTING

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLE PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14 FURNISH AND INSTALL 6'X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6'X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
18 REMOVE POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
56 RELOCATE SIGNAL POLE AND ALL EQUIPMENT TO NEW FOUNDATION.
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
58 INTERCEPT EXISTING CABINET FOUNDATION AND INSTALL NEW CONDUIT(S).

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Based on Contractor Supplied Information Which Has Not Been Verified By Kimley-Horn and Associates, Inc.

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	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

TENAYA WAY AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 735-6053 • FAX: (702) 735-6724

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HORIZ : AS SHOWN
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FIELD BOOK : NONE

SHEET No. T-9A

Sheet 456 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

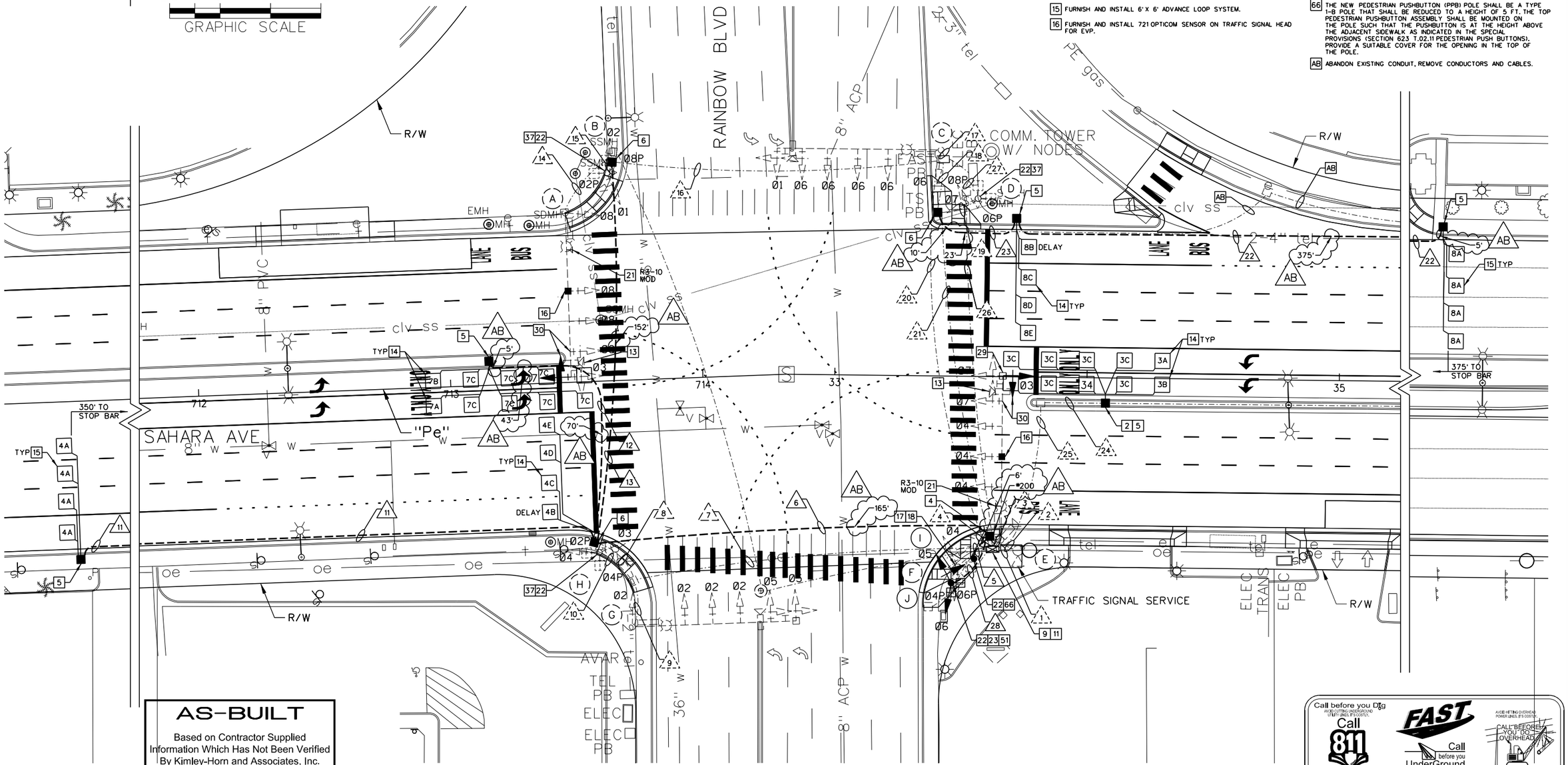
XREF :
FILE :

QUADRANT
ARM, SIGNAL, PED. BUTTON
(TOP VIEW)

20 10 0 20 40
GRAPHIC SCALE

CONSTRUCTION NOTES:

2 INTERCEPT EXISTING CONDUIT(S) AN INSTALL NEW PULL BOX.
4 REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
30 REMOVE EXISTING SIGNAL HEAD AND REINSTALL AT NEW LOCATION.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
51 FURNISH AND INSTALL NEW COUNT DOWN PEDESTRIAN HEADS.
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.



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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RWC

XREF :
FILE :

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL PLAN

RAINBOW BLVD AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	ARP
DESIGNED BY:	RWC	CHECKED BY:	RWF
APPROVED BY	RWC		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 736-6632 • FAX: (702) 736-0704

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SHEET No.
T-10
Sheet 457 of 592

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX-B 30' (E)	3	65' (E)	3	15' (E)	(3) M-2 (E) M-2 (R) B-1T (E)	MA MA 1	–	–	–	–	–	13 16 21 30
(B)	EXISTING	1-A 10' (E)	–	–	–	–	A-4T (E)	TOP	W-3T (E)	4	Ø2 Ø8	LT (N) RT (N)	2 3	22 37
(C)	EXISTING	XX-B 30' (E)	4	65' (E)	4	15' (E)	(5) M-2 (E) B-1T (E)	MA 2	–	–	–	–	–	
(D)	EXISTING	1-A 10' (E)	4	–	–	–	A-2T (E)	TOP	W-3T (E)	1	Ø6 Ø8	RT (N) LT (N)	4 3	22 37
(E)	EXISTING	XX-B 30' (E)	1	55' (E)	1	15' (E)	(4) M-2 (E) M-2 (R) B-1T (E)	MA MA 3	–	–	–	–	–	13 16 21 29 30
(F)	EXISTING	1-A 10' (E)	–	–	–	–	A-4T (E)	TOP	W-3T (E)	2	Ø4 Ø6	RT (E) LT (E)	1 4	17 18
(G)	EXISTING	XX-B 30' (E)	2	65' (E)	2	15' (E)	(5) M-2 (E) B-1T (E)	MA 4	–	–	–	–	–	
(H)	EXISTING	1-A 10' (E)	–	–	–	–	A-4T (E)	TOP	W-3T (E)	4	Ø2 Ø4	RT (N) LT (N)	2 1	22 37
(I)	"Pe" 33+56.0 72.2' RT	PPB 5' C	–	–	–	–	–	–	–	–	Ø6	LT (N)	4	22 66
(J)	"Pe" 33+47.0 81.9' RT	1-A 10' C	–	–	–	–	A-4T (N)	TOP	W-3T (N)	2	Ø4	RT (N)	1	22 23 51

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT
(R) = EXISTING SIGNAL HEAD TO BE RELOCATED

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
4-NO. 4 AWG	SERVICE PEDESTAL	CONTROLLER	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3-NO. 6 AWG	SERVICE PEDESTAL	FAST HUB CABINET	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	E	E	E
1-15 COND NO. 14 4-NO. 10 AWG	CONTROLLER	POLE A	–	–	–	–	–	–	–	–	–	–	–	–	–	E	–	E	–	–	–	E	–	–	–	–	–	–	–	–
1-15 COND NO. 14	CONTROLLER	POLE B	–	–	–	–	–	–	–	–	–	–	–	–	–	–	E	E	–	–	–	E	–	–	–	–	–	–	–	–
2-25 COND NO. 14 4-NO. 10 AWG	CONTROLLER	POLE C	–	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	E	E	–	–	E	–	–	–	–	–	–	–
1-15 COND NO. 14	POLE C	POLE D	–	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	E	–	E	–	–	–	–	–	–	–
1-25 COND NO. 14 4-NO. 10 AWG	CONTROLLER	POLE E	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-15 COND NO. 14 4-NO. 10 AWG	CONTROLLER	POLE G	–	–	–	–	–	–	E	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-15 COND NO. 14	CONTROLLER	POLE H	–	–	–	–	–	–	E	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-15 COND NO. 14	CONTROLLER	POLE I	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-15 COND NO. 14	CONTROLLER	POLE J	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●
OPTICOM (EVP)	CONTROLLER	POLE A	–	–	–	●	–	●	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE E	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OPTICOM (EVP)	CONTROLLER	POLE G	–	–	–	–	–	–	E	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2-COAX (VID)	CONTROLLER	POLE A	–	–	–	–	–	–	–	–	–	–	–	–	–	A	–	A	–	–	–	A	–	–	–	–	–	–	–	–
1-COAX (VID)	CONTROLLER	POLE C	–	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	E	E	–	–	E	–	–	–	–	–	–	–
3-COAX (VID)	CONTROLLER	POLE E	–	–	A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-COAX (VID)	CONTROLLER	POLE G	–	–	–	–	–	–	E	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø8-EXT)	CONTROLLER	DET PULL BOX	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø8-STOP)	CONTROLLER	DET PULL BOX	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø3)	CONTROLLER	DET PULL BOX	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
LOOP LEAD-IN CABLE (Ø4-EXT)	CONTROLLER	DET PULL BOX	–	–	–	●	–	●	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø4-STOP)	CONTROLLER	DET PULL BOX	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD-IN CABLE (Ø7)	CONTROLLER	DET PULL BOX	–	–	–	●	–	●	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCTV CAMERA CABLE	CONTROLLER	POLE E	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-NO. 8 (GREEN)	CONTROLLER TO POLES/BOXES		E	E	E	E	1	3	E	E	E	E	1	1	3	E	E	E	E	E	E	E	1	1	E	E	E	E	1
PULL ROPE	(NUMBER AS SHOWN)		–	–	–	–	1	3	–	–	–	–	1	1	3	–	–	–	–	–	–	–	1	1	–	–	–	–	1
No. OF CONDUITS – CONDUIT SIZE			1-2" (E)	1-2" (E)	1-2" (E)	1-2" 1-1/4" (E)	1-2"	1-2" 2-3"	1-3" (E)	1-2" (E)	1-2" (E)	1-2" (E)	1-2"	1-2"	1-2" 2-3"	1-2" (E)	1-3" (E)	1-2" (E)	1-2" (E)	1-2" (E)	1-2" (E)	1-3" (E)	1-2"	1-2"	1-2" (E)	1-2" (E)	1-2" (E)	1-2" (E)	1-2" (E)	1-2"

E = EXISTING CABLE, CONDUCTORS OR CONDUITS
A = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

	ONLY
SIGN DESIGNATION DIMENSIONS	R3-10 (MOD) 30" x 36"
POLE*	(A)

* – (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	S	RAINBOW	BL	2400	YES	EXISTING
(C)	W	SAHARA	AVE	–	YES	EXISTING
(F)	S	RAINBOW	BL	2500	YES	EXISTING
(H)	W	SAHARA	AVE	–	YES	EXISTING

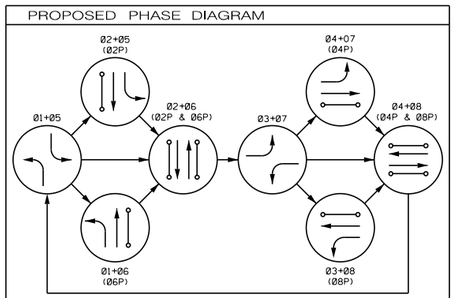
NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLE PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.

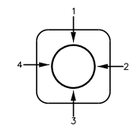
CONSTRUCTION NOTES:

2 INTERCEPT EXISTING CONDUIT(S) AN INSTALL NEW PULL BOX.
4 REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
30 REMOVE EXISTING SIGNAL HEAD AND REINSTALL AT NEW LOCATION.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
51 FURNISH AND INSTALL NEW COUNT DOWN PEDESTRIAN HEADS.
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

PROPOSED PHASE DIAGRAM



FLASHING OPERATION – ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By Kimley-Horn and Associates, Inc.

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FAST Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

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CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL SCHEDULES
RAINBOW BLVD AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

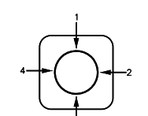
THE Louis Berger Group, INC.
300 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 736-6633 • FAX: (702) 736-0704

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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No. T-10A
Sheet 458 of 592

XREF :
FILE :

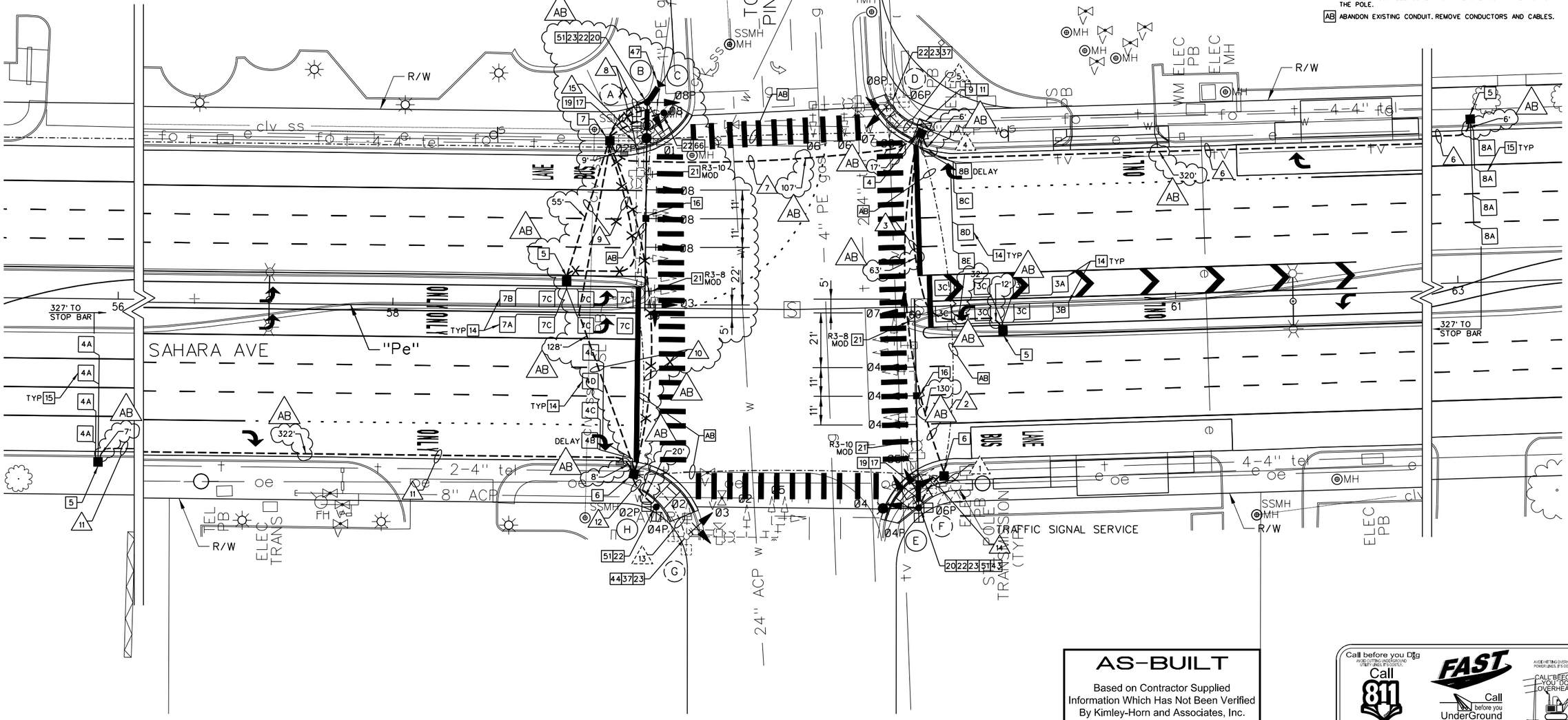


QUADRANT
ARM, SIGNAL PED. BUTTON
(TOP VIEW)

20 10 0 20 40
GRAPHIC SCALE

CONSTRUCTION NOTES:

4 REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
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11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
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17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
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22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
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37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
44 REMOVE AND SALVAGE EXISTING PEDESTRIAN SIGNAL ASSEMBLY.
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEADS.
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
AB ABANDON EXISTING CONDUIT. REMOVE CONDUCTORS AND CABLES.



AS-BUILT

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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL PLAN

TORREY PINES DR AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	ARP
DESIGNED BY:	RWC	CHECKED BY:	RWF
APPROVED BY	RWC		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 736-6633 • FAX: (702) 736-0704

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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No.
T-11
Sheet 459 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

XREF :
FILE :

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	TYPE HEIGHT FOUND.	POLE: SIGNAL ARM QUAD	POLE: SIGNAL ARM LENGTH	POLE: LUMINAIRE ARM QUAD	POLE: LUMINAIRE ARM LENGTH	SIGNALS: VEHICLE TYPE	SIGNALS: VEHICLE QUAD	SIGNALS: PEDESTRIAN TYPE	SIGNALS: PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON: PHASE	PEDESTRIAN PUSH BUTTON: ARROW	PEDESTRIAN PUSH BUTTON: QUAD	REMARKS
(A)	EXISTING	XX-A 30' (E)	3	55' (E)	3	15' (E)	(2) M-2 (E) M-5 (E) B-1T (E)	MA MA 1	W-3T (E)	1	Ø2 Ø8	LT (E) RT (E)	2 3	17 19
(B)	"Pe" 58+96.6 76.3' LT	XX-B 30' M	3	80' (N)	3	15' (N)	(4) M-2 (N) B-2T (N)	MA 1	W-4T (N)	1	- -	- -	- -	16 20 21 22 23 47 51
(C)	"Pe" 59+02.9 74.8' LT	PPB 5' C	-	-	-	-	-	-	-	-	Ø2 Ø8	LT (N) RT (N)	2 3	22 66
(D)	EXISTING	XX 30' (E)	4	30' (E)	4	15' (E)	(2) M-2 (E) B-2T (N)	MA 2	W-3T (E)	2	Ø6 Ø8	RT (N) LT (N)	4 3	22 23 37
(E)	"Pe 59+99.9 77.0' RT	XX-B 30' M	1	80' (N)	4	15' (N)	(5) M-2 (N) B-14T (N)	MA 3	W-3T (N)	3	Ø4 Ø6	RT (N) LT (N)	1 4	16 20 21 22 23 51 43
(F)	EXISTING	XX-A 30' (E)	1	55' (E)	1	15' (E)	(2) M-2 (E) M-5 (E) B-14T (E)	MA MA 3	W-3T (E)	3	Ø4 Ø6	RT (E) LT (E)	1 4	17 19
(G)	EXISTING	XX 30' (E)	2	35' (E)	2	15' (E)	M2 (E) M-5 (E) B-2T (N)	MA MA 4	W-3T (E)	4	Ø2 Ø4	RT (E) LT (E)	2 1	23 37 44
(H)	"Pe" 59+01.8 76.2' RT	1-B 7' C	-	-	-	-	-	-	W-2T (N)	TOP	Ø2 Ø4	RT (N) LT (N)	2 1	22 51

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4-NO. 4 AWG 1-NO. 6 AWG	SERVICE PEDESTAL	CONTROLLER	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE B	-	-	-	●	-	-	●	●	-	-	-	-	-	-	-
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE D	-	-	-	E	E	-	-	-	-	-	-	-	-	-	-
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE E	-	●	-	●	-	-	-	-	-	-	-	-	-	●	-
1-25 COND NO. 14 2-NO. 10 AWG	CONTROLLER	POLE G	-	-	-	●	-	-	●	-	-	●	-	-	●	-	-
1-15 COND. No. 14	CONTROLLER	POLE C	-	-	-	●	-	-	●	-	-	-	-	-	-	-	●
1-15 COND. No. 14	CONTROLLER	POLE H	-	-	-	●	-	-	●	-	-	●	-	●	-	-	-
OPTICOM (EVP)	CONTROLLER	POLE B	-	-	-	●	-	-	●	●	-	-	-	-	-	-	-
OPTICOM (EVP)	CONTROLLER	POLE D	-	-	-	E	E	-	-	-	-	-	-	-	-	-	-
OPTICOM (EVP)	CONTROLLER	POLE E	-	●	-	●	-	-	-	-	-	-	-	-	-	●	-
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE D	-	-	-	E	E	-	-	-	-	-	-	-	-	-	-
8281 COAX (VID) 3-NO. 14 AWG (VID)	CONTROLLER	POLE G	-	-	-	●	-	-	●	-	-	●	-	-	●	-	-
LOOP LEAD-IN CABLE (Ø8-EXT)	CONTROLLER	DET PULL BOX	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-
LOOP LEAD-IN CABLE (Ø8-STOP)	CONTROLLER	DET PULL BOX	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD-IN CABLE (Ø3)	CONTROLLER	DET PULL BOX	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD-IN CABLE (Ø4-EXT)	CONTROLLER	DET PULL BOX	-	-	-	●	-	-	●	-	-	●	●	-	-	-	-
LOOP LEAD-IN CABLE (Ø4-STOP)	CONTROLLER	DET PULL BOX	-	-	-	●	-	-	●	-	-	●	-	-	-	-	-
LOOP LEAD-IN CABLE (Ø7)	CONTROLLER	DET PULL BOX	-	-	-	●	-	-	●	-	●	-	-	-	-	-	-
CCTV CAMERA CABLE	CONTROLLER	POLE B	-	-	-	●	-	-	●	●	-	-	-	-	-	-	-
1-NO. 8 (GREEN)	CONTROLLER TO POLES/BOXES		E	4	1	E	E	1	3	1	1	3	1	1	E	1	1
PULL ROPE	(NUMBER AS SHOWN)		-	4	1	-	-	1	3	1	1	3	1	1	-	1	1
No. OF CONDUITS - CONDUIT SIZE			1-2"(E)	2-2"&2-3"	1-2"	4-3"(E)	1-3"(E)	1-2"	1-2"&2-3"	1-3"	1-2"	1-2"&2-3"	1-2"	1-2"(E)	1-3"	1-2"	

E = EXISTING CABLE, CONDUCTORS OR CONDUITS
A = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

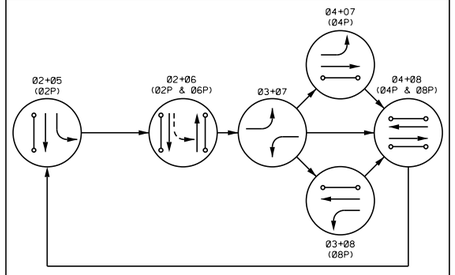
		
SIGN DESIGNATION DIMENSIONS	R3-8 (MOD) 36" x 36"	R3-10 (MOD) 30" x 36"
POLE*	(B) (E)	(B) (E)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

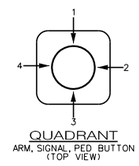
STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(B)	S	Torrey Pines	Dr	2400	YES	NEW
(D)	-	SAHARA	-	-	YES	EXISTING
(E)	S	Torrey Pines	Dr	2500	YES	NEW
(G)	W	SAHARA	-	6500	YES	EXISTING

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLE PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
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8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

4 REPLACE EXISTING PULL BOX WITH TYPE 100 PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
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17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
44 REMOVE AND SALVAGE EXISTING PEDESTRIAN SIGNAL ASSEMBLY.
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEADS.
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By Kimley-Horn and Associates, Inc.

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AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

TORREY PINES DR AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ARP
DESIGNED BY: RWC CHECKED BY: RWF
APPROVED BY RWC

THE Louis Berger Group, INC.
100 AMIGO COURT, SUITE 100 · LAS VEGAS, NEVADA · 89119
PHONE: (702) 736-6632 · FAX: (702) 736-0704
Kimley-Horn and Associates, Inc.

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SCALE
HORIZ : AS SHOWN
VERT : N/A
FIELD BOOK : NONE

SHEET No. T-11A
Sheet 460 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

XREF :
FILE :

QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

5 FURNISH AND INSTALL No. 5 PULL BOX.

7 FURNISH AND INSTALL (TYPE 10D) PULL BOX. AB

9 REMOVE AND SALVAGE CONTROLLER CABINET AND EQUIPMENT.

10 REMOVE CONTROLLER CABINET FOUNDATION.

12 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON A NEW FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.

13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.

14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.

15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.

16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD.

17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.

18 REMOVE POLE FOUNDATION.

21 FURNISH AND INSTALL SIGN ON MAST ARM.

22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).

23 FURNISH AND INSTALL NEW SIGNAL HEAD.

24 REMOVE AND RELOCATE EXISTING SIGNAL HEAD.

29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.

37 REMOVE AND SALVAGE PEDESTRIAN PUSHBUTTON(S).

47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.

51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD.

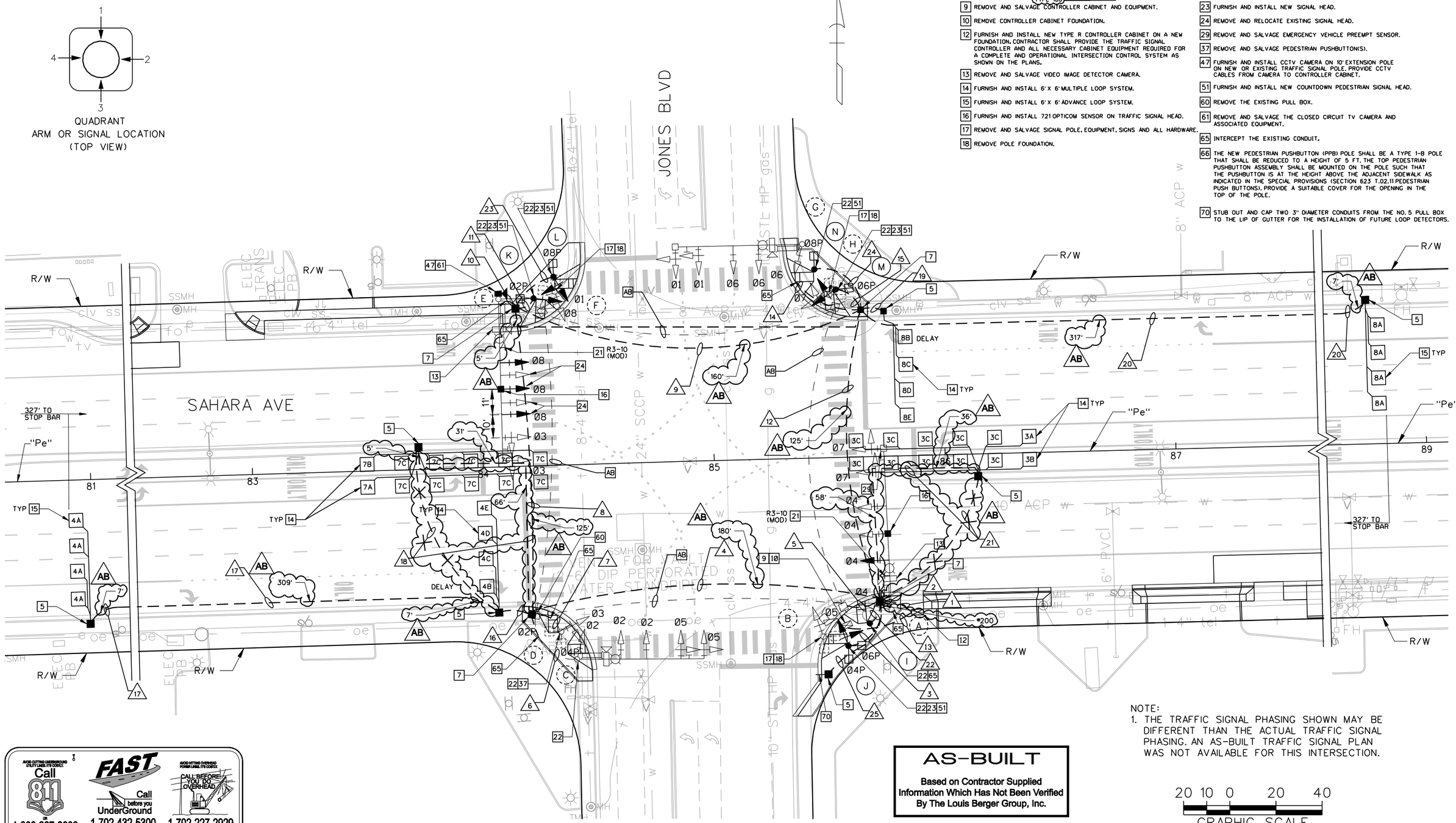
60 REMOVE THE EXISTING PULL BOX.

61 REMOVE AND SALVAGE THE CLOSED CIRCUIT TV CAMERA AND ASSOCIATED EQUIPMENT.

65 INTERCEPT THE EXISTING CONDUIT.

66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.

70 STUB OUT AND CAP TWO 3" DIAMETER CONDUITS FROM THE NO. 5 PULL BOX TO THE LIP OF GUTTER FOR THE INSTALLATION OF FUTURE LOOP DETECTORS.



NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. AN AS-BUILT TRAFFIC SIGNAL PLAN WAS NOT AVAILABLE FOR THIS INTERSECTION.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

20 10 0 20 40
GRAPHIC SCALE

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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL PLAN

JONES BLVD AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	ELC
DESIGNED BY:	CAB	CHECKED BY:	NLG
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. T-12

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE / HEIGHT / FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	VEHICLE QUAD	PEDESTRIAN TYPE	PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PUSH BUTTON ARROW	PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX-B / 30' / (E)	1	70' (E)	1	15' (E)	(4) M-2 (E) (1) M-2 (N) B-1T (E)	MA MA 3	-	-	-	-	-	13 16 21 29
(B)	EXISTING	1-A / 10' / (E)	-	-	-	-	A-8T (E)	TOP	W-3T (E)	2	-	-	-	17 18
(C)	EXISTING	XX-A / 30' / (E)	2	55' (E)	2	15' (E)	(4) M-2 (E) B-1T (E)	MA 4	-	-	04	LT (N)	1	22
(D)	EXISTING	1-A / 10' / (E)	-	-	-	-	A-8T (E)	TOP	W-3T (E)	3	02 04	LT (N) LT (E)	4 1	22 37
(E)	EXISTING	XX-B / 30' / (E)	3	70' (E)	3	15' (E)	(4) M-2 (E) (1) M-2 (N) B-1T (E)	MA MA 1		-	-	-	-	13 16 21 24 47 61
(F)	EXISTING	1-A / 10' / (E)	-	-	-	-	A-8T (E)	TOP	W-3T (E)	4	-	-	-	17 18
(G)	EXISTING	XX-A / 30' / (E)	4	55' (E)	4	15' (E)	(4) M-2 (E) B-1T (E)	MA 2	-	-	-	-	-	
(H)	EXISTING	1-A / 10' / (E)	-	-	-	-	A-8T (E)	TOP	W-3T (E)	1	06 08	RT (E) LT (E)	4 3	17 18
(I)	"Pe" 85+65.6 72.2' RT	PED / 5' / C (N)	-	-	-	-	-	-	-	-	06	LT (N)	3	22 66
(J)	"Pe" 85+56.1 81.7' RT	1-A / 10' / C (N)	-	-	-	-	A-8T (N)	TOP	W-3T (N)	3	04	RT (N)	1	22 23 51
(K)	"Pe" 84+23.9 72.5' LT	1-A / 10' / C (N)	-	-	-	-	A-8T (N)	TOP	W-0T (N)	1	02	LT (N)	2	22 23 51
(L)	"Pe" 84+32.9 81.6' LT	1-A / 10' / C (N)	-	-	-	-	A-8T (N)	TOP	W-0T (N)	4	08	RT (N)	3	22 23 51
(M)	"Pe" 85+54.5 72.7' LT	1-A / 10' / C (N)	-	-	-	-	A-8T (N)	TOP	W-0T (N)	1	06	RT (N)	4	22 23 51
(N)	"Pe" 85+45.4 81.6' LT	1-B / 7' / C (N)	-	-	-	-	-	-	W-1T (N)	TOP	08	LT (N)	2	22 51

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E)=EXISTNG EQUIPMENT
(N)=NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
4-No. 4 SERVICE	SERVICE PEDESTAL	CONTROLLER	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE A	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND No. 14 2-No. 10 AWG 1 COAXIAL CABLE 3-No. 14 AWG	CONTROLLER	POLE C	●	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE D	●	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND No. 14 2-No. 10 AWG 1 OPTICOM CABLE CCTV CAMERA	CONTROLLER	POLE E	●	-	-	●	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND No. 14 2-No. 10 AWG 1 OPTICOM CABLE 1 COAXIAL CABLE 3-No. 14 AWG	CONTROLLER	POLE G	●	-	-	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE I	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE J	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-
1-15 COND No. 14	CONTROLLER	POLE K	●	-	-	●	-	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE L	●	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-
1-15 COND No. 14	CONTROLLER	POLE M	●	-	-	-	-	-	-	-	-	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE N	●	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	●	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3B, 3C)	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	●	●	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES / PULL BOXES		1	E	1	3	1	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
PULL ROPE	(NUMBER AS SHOWN)		1	-	1	3	1	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			4-3"	1-3"	1-2"	3-3"	1-3"	1-3"	1-2"	2-3"	2-3"	1-3"	1-2"	2-3"	1-3"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

		ONLY
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE *		(A) (E)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(C)	-	Sahara	-	-	YES	EXISTING
(A)	-	Jones	Blvd	-	YES	EXISTING
(G)	-	SAHARA	-	-	YES	EXISTING
(E)	-	Jones	Blvd	-	YES	EXISTING

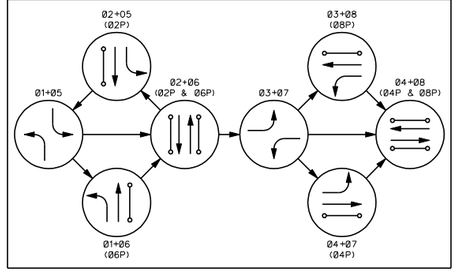
NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

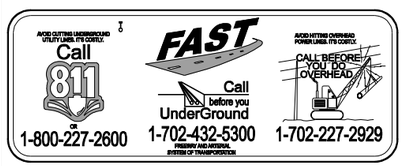
5 FURNISH AND INSTALL No. 5 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE CONTROLLER CABINET AND EQUIPMENT.
10 REMOVE CONTROLLER CABINET FOUNDATION.
12 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON A NEW FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
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60 REMOVE THE EXISTING PULL BOX.
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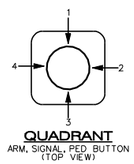
PROPOSED PHASE DIAGRAM



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.





QUADRANT
ARM, SIGNAL, PED. BUTTON
(TOP VIEW)

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

JONES BLVD AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-12A

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

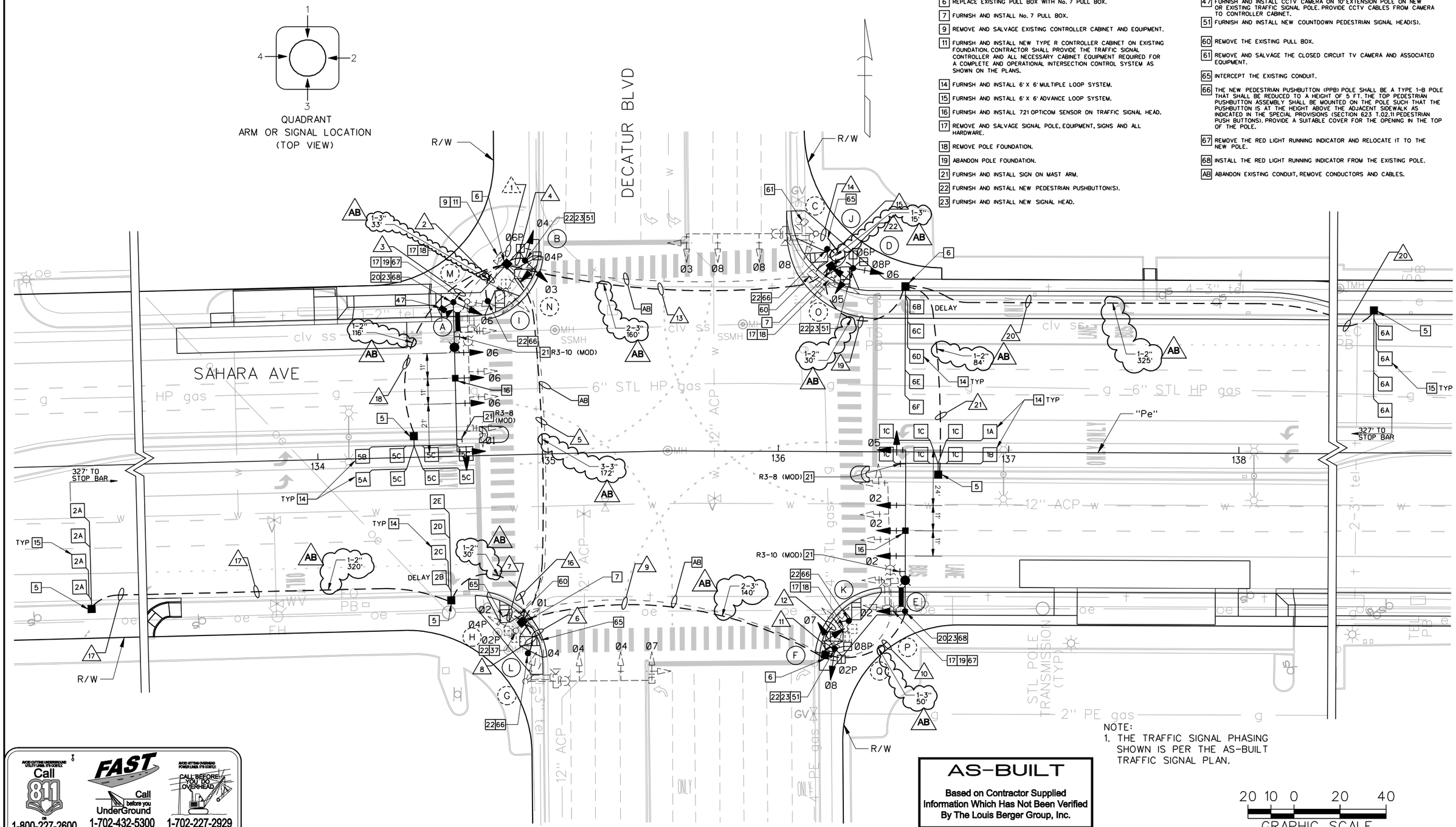
AS - BUILT - 05.31.2012

AS - BUILT - 05.31.2012

QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
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15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
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67 REMOVE THE RED LIGHT RUNNING INDICATOR AND RELOCATE IT TO THE NEW POLE.
68 INSTALL THE RED LIGHT RUNNING INDICATOR FROM THE EXISTING POLE.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.



NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN IS PER THE AS-BUILT TRAFFIC SIGNAL PLAN.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

20 10 0 20 40
GRAPHIC SCALE

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
Call before you CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
DECATUR BLVD AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-13

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE / HEIGHT / FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	VEHICLE QUAD	PEDESTRIAN TYPE	PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PUSH BUTTON ARROW	PUSH BUTTON QUAD	REMARKS
A	"Pe" 134+60.5 66.9' LT	XX-B 30' M	3	65' (N)	3	15' (N)	(4) M-2 (N) B-1T (N)	MA 1	-	-	-	-	-	16 20 21 23 47 68
B	"Pe" 134+92.1 84.2' LT	1-A 10' C (N)	-	-	-	-	A-4T (N)	TOP	W-3T (N)	4	06	RT (N)	3	22 23 51
C	EXISTING	XX-A 30' (E)	4	55' (E)	4	15' (E)	(3) M-2 (E) B-1T (E)	MA 2	-	-	-	-	-	61
D	"Pe" 136+32.1 79.7' LT	1-A 10' C (N)	-	-	-	-	A-4T (N)	TOP	W-3T (N)	1	08	RT (N)	4	22 23 51
E	"Pe" 136+55.3 69.2' RT	XX-B 30' M	1	70' (N)	1	15' (N)	(4) M-2 (N) B-1T (N)	MA 3	-	-	-	-	-	16 20 21 23 43 68
F	"Pe" 136+24.8 85.6' RT	1-A 10' C (N)	-	-	-	-	A-4T (N)	TOP	W-3T (N)	2	02	RT (N)	1	22 23 51
G	EXISTING	XX-A 30' (E)	2	55' (E)	2	15' (E)	(3) M-2 (E) B-1T (E)	MA 4	-	-	-	-	-	
H	EXISTING	1-A 10' (E)	-	-	-	-	A-4T (E)	TOP	W-3T (E)	3	04	LT (N)	4	22 37
I	"Pe" 134+75.4 67.0' LT	PPB 5' C (N)	-	-	-	-	-	-	-	-	04	LT (N)	2	22 66
J	"Pe" 136+20.8 87.9' LT	PPB 5' C (N)	-	-	-	-	-	-	-	-	06	LT (N)	3	22 66
K	"Pe" 136+30.9 73.5' RT	PPB 5' C (N)	-	-	-	-	-	-	-	-	08	RT (N)	2	22 66
L	"Pe" 134+89.1 86.3' RT	PPB 5' C (N)	-	-	-	-	-	-	-	-	02	LT (N)	1	22 66
M	EXISTING	XX-A 30' (E)	3	55' (E)	3	15' (E)	(4) M-2 (E) B-1T (E)	MA 1	-	-	-	-	-	17 19 67
N	EXISTING	1-A 10' (E)	-	-	-	-	A-4T (E)	TOP	W-3T (E)	4	04 06	LT (N) RT (N)	2 3	17 18
O	EXISTING	1-A 10' (E)	-	-	-	-	A-4T (E)	TOP	W-3T (E)	1	06 08	LT (N) RT (N)	3 4	17 18
P	EXISTING	XX-A 30' (E)	1	55' (E)	1	15' (E)	(4) M-2 (E) B-1T (E)	MA 3	-	-	-	-	-	17 19 67
Q	EXISTING	1-A 10' (E)	-	-	-	-	A-4T (E)	TOP	W-3T (E)	2	02 08	RT (N) LT (N)	1 4	17 18

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.

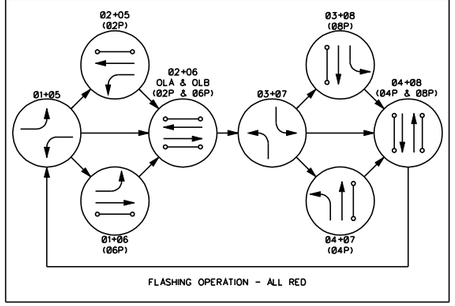
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE A	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14	CONTROLLER	POLE B	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE C	●	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14	CONTROLLER	POLE D	●	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	●
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE E	●	-	-	-	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14	CONTROLLER	POLE F	●	-	-	-	●	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE G	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14	CONTROLLER	POLE H	●	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE I	●	●		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE J	●	-	-	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE K	●	-	-	-	●	-	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE L	●	-	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (1A, 1B, 1C)	●	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	●	-	●	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (2A)	●	-	-	-	●	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (2B, 2C, 2D, 2E)	●	-	-	-	●	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (5A, 5B, 5C)	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (6A)	●	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	●	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (6B, 6C, 6D, 6E, 6F)	●	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	●	-	-	-
CCTV CAMERA	CONTROLLER	POLE A	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	1	1	1	3	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1
PULL ROPE	(NUMBER AS SHOWN)		-	1	1	1	3	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	1-3"	1-3"	1-2"	3-3"	1-3"	1-2"	2-3"	1-3"	1-2"	2-3"	1-3"	1-2"	2-3"	1-3"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED

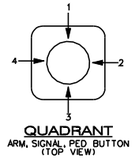
SIGN SCHEDULE

SIGN DESIGNATION DIMENSIONS	R3-8 (MOD) 36" x 36"	R3-10 (MOD) 30" x 36"
POLE *	(A) (E)	(A) (E)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
A	S	Decatur	Blvd	2400	YES	NEW
C	-	SAHARA	-	-	YES	EXISTING
E	S	Decatur	Blvd	2500	YES	NEW
G	-	SAHARA	-	-	YES	EXISTING



QUADRANT
ARM, SIGNAL, PED. BUTTON (TOP VIEW)

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60 REMOVE THE EXISTING PULL BOX.
61 REMOVE AND SALVAGE THE CLOSED CIRCUIT TV CAMERA AND ASSOCIATED EQUIPMENT.
65 INTERCEPT THE EXISTING CONDUIT.
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
67 REMOVE THE RED LIGHT RUNNING INDICATOR AND RELOCATE IT TO THE NEW POLE.
68 INSTALL THE RED LIGHT RUNNING INDICATOR FROM THE EXISTING POLE.
A8 ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

ACCID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
ACCID HITTING OVERHEAD POWER LINES, IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

DECATUR BLVD AT SAHARA AVE

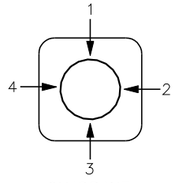
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-13A



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

5 FURNISH AND INSTALL No. 5 PULL BOX.

6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.

9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.

11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.

14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.

15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.

16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.

17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.

19 ABANDON POLE FOUNDATION.

20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.

21 FURNISH AND INSTALL SIGN ON MAST ARM.

22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).

23 FURNISH AND INSTALL NEW SIGNAL HEAD.

34 REPLACE EXISTING PULL BOX WITH No. 5 PULL BOX.

37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).

43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.

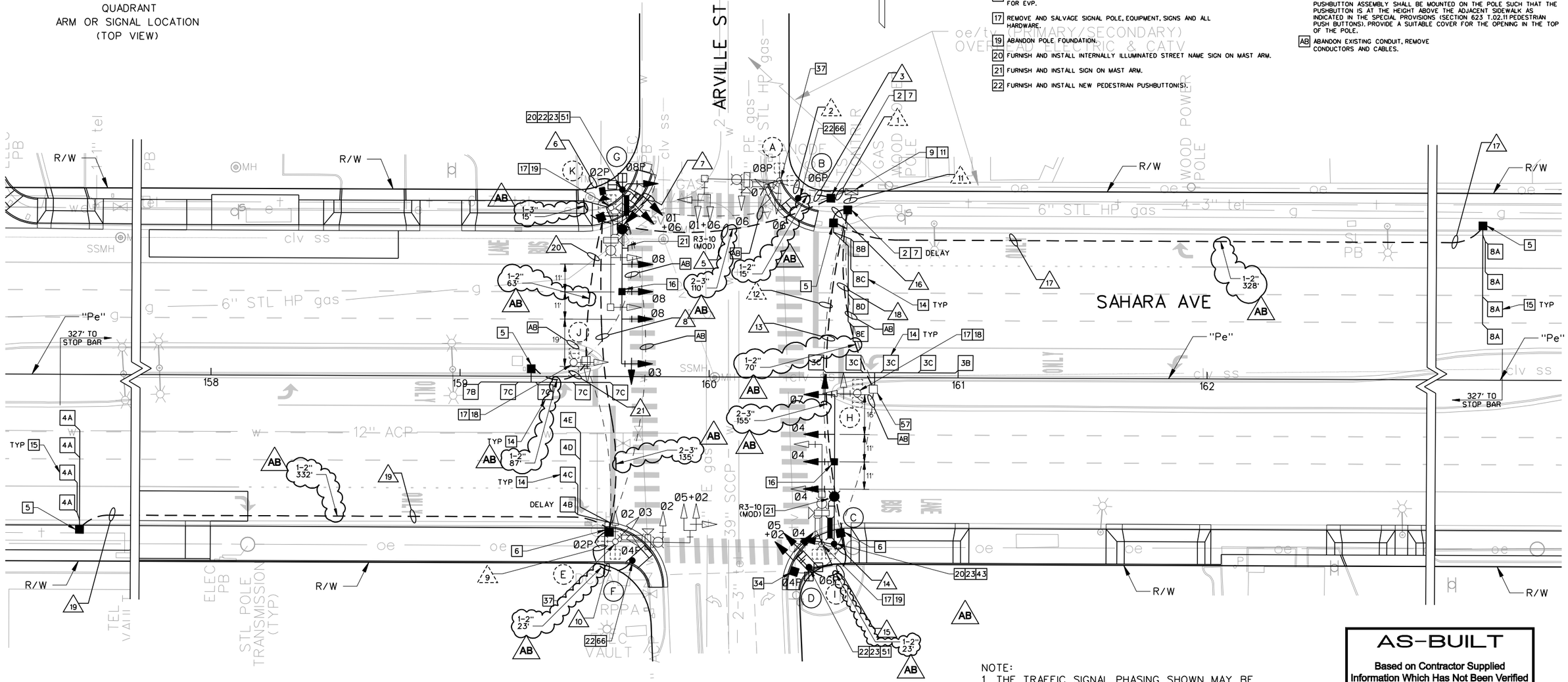
47 FURNISH AND INSTALL CCTV CAMERA ON 10? EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.

51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).

57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.

66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.

AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.



NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. THE AS-BUILT TRAFFIC SIGNAL PLAN DID NOT USE THE NEMA 8 PHASE SYSTEM.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

20 10 0 20 40
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
ARVILLE ST AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. T-14
Sheet 465 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

POLE SCHEDULE

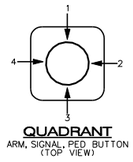
POLE	LOCATION STATION & OFFSET	TYPE HEIGHT FOUND.	POLE: SIGNAL ARM QUAD	POLE: SIGNAL ARM LENGTH	POLE: LUMINAIRE ARM QUAD	POLE: LUMINAIRE ARM LENGTH	SIGNALS: VEHICLE TYPE	SIGNALS: VEHICLE QUAD	SIGNALS: PEDESTRIAN TYPE	SIGNALS: PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON: PHASE	PEDESTRIAN PUSH BUTTON: ARROW	PEDESTRIAN PUSH BUTTON: QUAD	REMARKS
(A)	EXISTING	XX 30' (E)	4	30' (E)	4	15' (E)	M-5 (E) M-2 (E) B-2T (E)	MA MA 2	W-3T (E)	2	06 08	RT (E) LT (E)	4 3	37
(B)	"Pe" 160+35.5 72.0' LT	PED 5' C (N)	-	-	-	-	-	-	-	-	06 08	RT (N) LT (N)	4 3	22 66
(C)	"Pe" 160+50.5 66.9' RT	XX-A 30' L (N)	1	60' (N)	1	15' (N)	(4) M-2 (N) B-1T (N)	MA 3	-	-	-	-	-	16 20 21 23 43
(D)	"Pe" 160+40.5 76.3' RT	1-A 10' C (N)	-	-	-	-	A-16T (N)	TOP	W-3T (N)	2	04 06	RT (N) LT (N)	1 4	22 23 51
(E)	EXISTING	XX 30' (E)	2	30' (E)	2	15' (E)	M-5 (E) M-2 (E) B-2T (E)	MA MA 4	W-3T (E)	4	02 04	RT (E) LT (E)	2 1	37
(F)	"Pe" 159+69.5 73.9' RT	PED 5' C (N)	-	-	-	-	-	-	-	-	02 04	RT (N) LT (N)	2 1	22 66
(G)	"Pe" 159+64.9 75.1' LT	XX-B 30' M (N)	3	65' (N)	3	15' (N)	(4) M-2 (N) B-14T (N)	MA 1	W-3T (N)	1	02 08	LT (N) RT (N)	2 3	16 20 21 23 47
(H)	EXISTING	1-A 10' (E)	-	-	-	-	A-8T (E)	TOP	W-3T (E)	4	06	LT/RT (E)	2	17 18
(I)	EXISTING	XX 30' (E)	1	40' (E)	1	15' (E)	(2) M-2 (E) B-1T (E)	MA 3	W-3T (E)	3	04 06	RT (E) LT (E)	1 4	17 19
(J)	EXISTING	1-A 10' (E)	-	-	-	-	A-8T (E)	TOP	W-3T (E)	2	02	LT/RT (E)	4	17 18
(K)	EXISTING	XX 30' (E)	3	40' (E)	3	15' (E)	(2) M-2 (E) B-1T (E)	MA 1	W-3T (E)	1	02 08	RT (E) LT (E)	2 3	17 19

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT
(R) = RELOCATED EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
(E)	CONTROLLER	POLE A	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE B	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE C	-	-	-	-	-	-	-	-	-	-	●	-	●	●	-	-	-	-	-	-	-
1-25 COND. No. 14	CONTROLLER	POLE D	-	-	-	-	-	-	-	-	-	-	●	-	●	-	●	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG	CONTROLLER	POLE E	●	-	-	-	●	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE F	●	-	-	-	●	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE G	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	PULL BOX	●	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3B, 3C)	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	●	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	-	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	-	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	●	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	●	●	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	●	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	1	E	2	1	1	2	E	1	E	E	2	1	1	1	1	1	1	1	1
PULL ROPE	(NUMBER AS SHOWN)		-	-	1	-	2	1	1	2	-	1	-	-	2	1	1	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	1-3"	(E)	2-3"	1-3"	1-3"	2-3"	(E)	1-3"	(E)	(E)	2-3"	1-3"	1-3"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

SIGN SCHEDULE

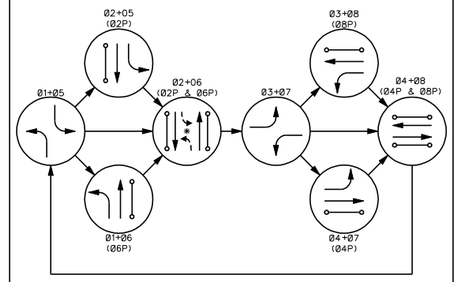
		ONLY
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE *		(C) (G)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	-	SAHARA	-	-	NO	EXISTING
(C)	S	Arville	St	2500	YES	NEW
(E)	-	SAHARA	-	-	YES	EXISTING
(G)	S	Arville	St	2400	YES	NEW

PROPOSED PHASE DIAGRAM



FLASHING OPERATION – ALL RED
* PERMISSIVE LEFT TURNS

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

- [5] FURNISH AND INSTALL No. 5 PULL BOX.
- [6] REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
- [9] REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
- [11] FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
- [14] FURNISH AND INSTALL 6' x 6' MULTIPLE LOOP SYSTEM.
- [15] FURNISH AND INSTALL 6' x 6' ADVANCE LOOP SYSTEM.
- [16] FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
- [17] REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
- [19] ABANDON POLE FOUNDATION.
- [20] FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
- [21] FURNISH AND INSTALL SIGN ON MAST ARM.
- [22] FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
- [23] FURNISH AND INSTALL NEW SIGNAL HEAD.
- [34] REPLACE EXISTING PULL BOX WITH No. 5 PULL BOX.
- [37] REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
- [43] FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
- [47] FURNISH AND INSTALL CCTV CAMERA ON 10? EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
- [51] FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
- [57] CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
- [66] THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
- [AB] ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 — ACCIDENTALLY CUTTING UNDERGROUND UTILITY LINES IS COSTLY.
FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
ACCIDENTALLY HITTING OVERHEAD POWER LINES IS COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

ARVILLE ST AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

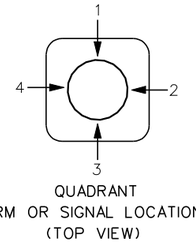
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

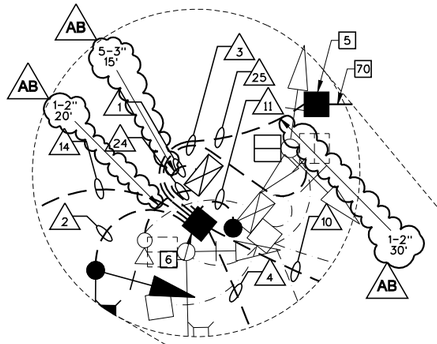
SHEET No. T-14A
Sheet 466 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)



FOR CONDUIT INSTALLATION
SEE DETAIL SHEET SD-13

VALLEY VIEW BLVD

SAHARA AVE

TRANSMISSION
E ON WOOD POLES

TERMINAL WOOD
TRANSM. POLE

WOOD POWER
POL

R/W

"Pe" 187+39.5
63.0' LT

PROTECT EXISTING
CONDUIT
IN PLACE

R3-10
(MOD)

DELAY

TYP

350' TO
STOP BAR
DUE TO
DRIVEWAY

327' TO
STOP BAR

185

187

188

189

CONSTRUCTION NOTES:

5 FURNISH AND INSTALL No. 5 PULL BOX.

6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.

7 FURNISH AND INSTALL No. 7 PULL BOX.

9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.

10 REMOVE CONTROLLER CABINET FOUNDATION.

12 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON A NEW FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.

14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.

15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.

16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.

17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.

19 ABANDON POLE FOUNDATION.

20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.

21 FURNISH AND INSTALL SIGN ON MAST ARM.

22 FURNISH AND INSTALL PEDESTRIAN PUSH BUTTON(S).

23 FURNISH AND INSTALL NEW SIGNAL HEAD.

34 REPLACE EXISTING PULL BOX WITH No. 5 PULL BOX

37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).

41 REMOVE EXISTING MAST ARM MOUNTED SIGN AND RELOCATE TO NEW MAST ARM.

44 REMOVE AND SALVAGE PEDESTRIAN SIGNAL ASSEMBLY.

47 FURNISH AND INSTALL CCTV CAMERA ON 10? EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.

51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).

61 REMOVE AND SALVAGE THE CLOSED CIRCUIT TV CAMERA AND ASSOCIATED EQUIPMENT.

66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.

70 STUB OUT AND CAP TWO 3" DIAMETER CONDUITS FROM THE NO. 5 PULL BOX TO THE LIP OF GUTTER FOR THE INSTALLATION OF FUTURE LOOP DETECTORS.

NOTES:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. THE AS-BUILT TRAFFIC SIGNAL PLAN DID NOT USE THE NEMA 8 PHASE SYSTEM.
2. SEE SHEET U-32 CONCERNING SNWA MONUMENT.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

APPROVED BY:

Signature On File 3/3/2011
SOUTHERN NEVADA WATER AUTHORITY DATE

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

20 10 0 20 40
GRAPHIC SCALE

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929 — AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

SNWA CONSTRUCTION NOTES:

CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWASNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AVAR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AVAR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702) 862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

THIS DATA MAY BE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE THAT THIS DATA IS CONVERTED TO THE APPROPRIATE DATUM BEFORE USING SAID DATA.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
VALLEY VIEW BLVD AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK :
NONE

SHEET No.
T-15
Sheet 467 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
A	~~"Pe" 185+97.7 97.6 RT~~ 71.6' LT	XX-B 20' M (N)	3	70' (N)	-	-	(3) M-2 (N) 8-1T (N)	MA 1	-	-	-	-	-	16 20 21 23 41
B AB	EXISTING	1-A 10' (E)	-	-	-	-	A-4T (E)	TOP	W-3T (N)	4	08	RT (N)	3	22 37 51
C	"Pe" 186+15.8 73.2" LT	PPB 5' C (N)	-	-	-	-	-	-	-	-	04	RT (N)	4	22 66
D	EXISTING	XX-A 30' (E)	4	50' (E)	4	15' (E)	(4) M-2 (E) 8-1T (E)	MA 2	W-0T (E)	2	08	LT (E)	3	22 37
E	EXISTING	TYPE 7 28'-6" (E)	-	-	3	15' (E)	8-2T (E)	1	W-0T (E)	1	-	RT (E)	4	22 37
F	"Pe" 187+41.4 73.0" RT	XX-B 20' M (N)	1	75' (N)	-	-	(4) M-2 (N) 8-1T (N)	MA 3	-	-	-	-	-	16 20 21 23 41
G AB	EXISTING	1-A 10' (E)	-	-	-	-	A-4T (E)	TOP	W-3T (N)	-	04 06	RT (N) LT (N)	1 4	22 37 51
H	EXISTING	XX-A 30' (E)	2	60' (E)	2	15' (E)	(4) M-2 (E) 8-1T (E)	MA 4	W-0T (E)	4	04	LT (N)	1	22 37 47
I	EXISTING	1-A 10' (E)	-	-	-	-	A-4T (E)	TOP	W-0T (E)	4	02	RT (N)	2	22 37
J	EXISTING	XX-A 30' (E)	3	60' (E)	-	-	(4) M-2 (E) 8-1T (E)	MA 1	W-0T (E)	1	02	LT (E)	2	17 19
K	EXISTING	XX-A 30' (E)	1	60' (E)	1	15' (E)	(4) M-2 (E) 8-1T (E)	MA 3	W-0T (E)	3	06	LT (E)	4	17 19

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.

(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

SIGN SCHEDULE

		ONLY
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE *		A F

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
C	W	SAHARA	-	3600	YES	EXISTING
A	S	Valley View	Blvd	2400	YES	NEW
H	W	SAHARA	-	3700	YES	EXISTING
F	S	Valley View	Blvd	2500	YES	NEW

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

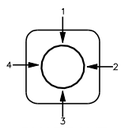
CONSTRUCTION NOTES:

5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
10 REMOVE CONTROLLER CABINET FOUNDATION.
12 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON A NEW FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL PEDESTRIAN PUSH BUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
34 REPLACE EXISTING PULL BOX WITH No. 5 PULL BOX
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
41 REMOVE EXISTING MAST ARM MOUNTED SIGN AND RELOCATE TO NEW MAST ARM.
44 REMOVE AND SALVAGE PEDESTRIAN SIGNAL ASSEMBLY.
47 FURNISH AND INSTALL CCTV CAMERA ON 10? EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
61 REMOVE AND SALVAGE THE CLOSED CIRCUIT TV CAMERA AND ASSOCIATED EQUIPMENT.
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
70 STUB OUT AND CAP TWO 3" DIAMETER CONDUITS FROM THE NO. 5 PULL BOX TO THE LIP OF GUTTER FOR THE INSTALLATION OF FUTURE LOOP DETECTORS.

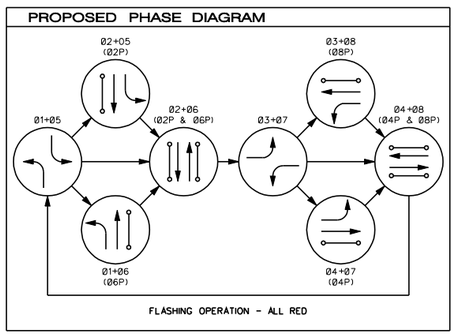
CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
4-No. 4 SERVICE	SERVICE PEDESTAL	CONTROLLER	●	●		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE A	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14	CONTROLLER	POLE B	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE C	●	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE D	●	-	-	-	-	-	-	-	●	-	-	-	-	●	-	-	-	●	●	●	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG	CONTROLLER	POLE E	●	-	-	-	-	-	-	-	●	-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE F	●	-	-	●	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14	CONTROLLER	POLE G	●	-	-	●	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG CCTV CABLE	CONTROLLER	POLE H	●	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14	CONTROLLER	POLE I	●	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3B, 3C)	●	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	●	-	-	-	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	-	-	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	-	-	●	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	●	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	●	-	-	-	-	-	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-
1 - No. 8 (GREEN)	NUMBER AS SHOWN		5	1	1	3	E	E	2	1	1	2	1	1	1	1	E	E	1	1	E	E	1	1	2	1	1
PULL ROPE	NUMBER AS SHOWN		5	1	1	3	-	-	2	1	1	2	1	1	1	1	-	-	1	1	-	-	1	1	2	1	1
No. OF CONDUITS - CONDUIT SIZE			5-3"	1-3"	1-3"	3-3"	(E)	(E)	2-3"	1-3"	1-3"	2-3"	1-3"	1-2"	1-2"	1-2"	(E)	(E)	1-2"	1-2"	(E)	(E)	1-2"	1-2"	2-3"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS



QUADRANT
ARM, SIGNAL, PED. BUTTON (TOP VIEW)





AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL SCHEDULES
VALLEY VIEW BLVD AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

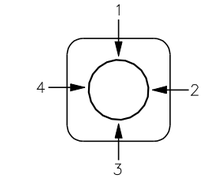
PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-15A
Sheet 468 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

5 FURNISH AND INSTALL No. 5 PULL BOX.

6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.

7 FURNISH AND INSTALL No. 7 PULL BOX.

9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.

11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.

14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.

15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.

16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.

17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.

18 REMOVE POLE FOUNDATION.

19 ABANDON POLE FOUNDATION.

20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.

21 FURNISH AND INSTALL SIGN ON MAST ARM.

22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).

23 FURNISH AND INSTALL NEW SIGNAL HEAD.

37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).

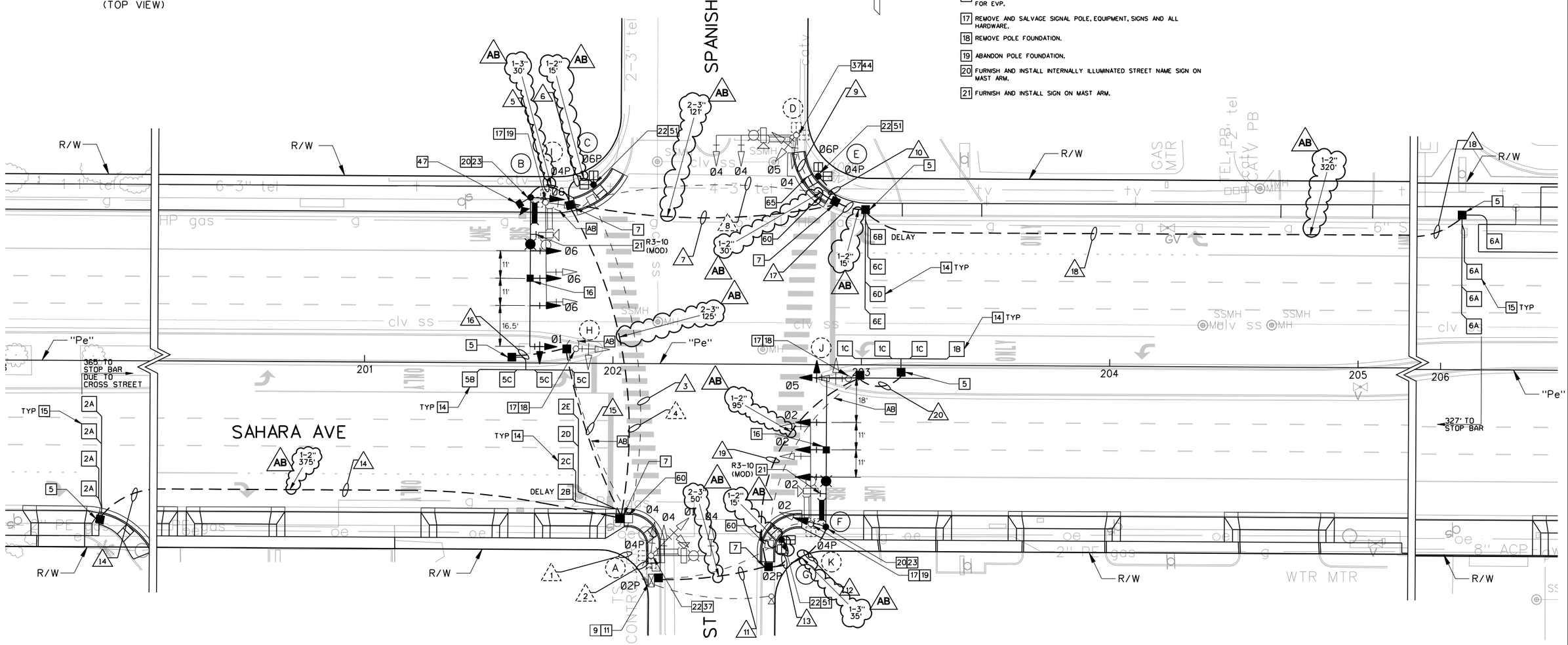
44 REMOVE AND SALVAGE PEDESTRIAN SIGNAL ASSEMBLY.

47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.

51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).

60 REMOVE THE EXISTING PULL BOX.

65 INTERCEPT THE EXISTING CONDUIT.



NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN IS PER THE AS-BUILT TRAFFIC SIGNAL PLAN.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

20 10 0 20 40
GRAPHIC SCALE

Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
SPANISH OAKS DR / RYE ST AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-16

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE / HEIGHT / FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX 30' (E)	2	25' (E)	2	15' (E)	(2) M-2 (E) B-2T (E)	MA 4	W-3T (E)	4	02 04	LT (N) RT (N)	1 2	22 37
(B)	"Pe" 201+66.5 66.6' LT	XX-A 30' L (N)	3	60' (N)	3	15' (N)	(3) M-2 (N) B-1T (N)	MA 1	-	-	-	-	-	16 20 21 23
(C)	"Pe" 201+91.8 71.9' LT	1-B 7' C (N)	-	-	-	-	-	-	W-2T (N)	TOP	04 06	LT (N) RT (N)	2 3	22 37 51
(D)	EXISTING	XX 30' (E)	4	30' (E)	4	15' (E)	(2) M-2 (E) B-2T (E)	MA 2	W-3T (E)	2	04 06	RT (E) LT (E)	4 3	37 44
(E)	"Pe" 202+82.3 75.8' LT	1-B 7' C (N)	-	-	-	-	-	-	W-2T (N)	TOP	04 06	RT (N) RT (N)	4 3	22 51
(F)	"Pe" 202+86.1 65.3' RT	XX-A 30' L (N)	1	60' (N)	1	15' (N)	(3) M-2 (N) B-1T (N)	MA 3	-	-	-	-	-	16 20 21 23
(G)	"Pe" 202+68.3 78.6' RT	1-B 7' C (N)	-	-	-	-	-	-	W-2T (N)	TOP	02 04	RT (N) LT (N)	1 4	22 51
(H)	EXISTING	1-A 10' (E)	-	-	-	-	A-8T (E)	TOP	-	-	04	LT/RT (E)	2	17 18
(I)	EXISTING	XX 30' (E)	3	40' (E)	3	15' (E)	(2) M-2 (E) B-2T (E)	MA 1	W-3T (E)	1	04 06	LT (E) RT (E)	2 3	17 19
(J)	EXISTING	1-A 10' (E)	-	-	-	-	A-8T (E)	TOP	-	-	04	LT/RT (E)	4	17 18
(K)	EXISTING	XX 30' (E)	1	40' (E)	1	15' (E)	(2) M-2 (E) B-2T (E)	MA 3	W-3T (E)	3	02 04	RT (E) LT (E)	1 4	17 19

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E)=EXISTING EQUIPMENT
(N)=NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
(E)	CONTROLLER	POLE A	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM	CONTROLLER	POLE B	●	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE C	●	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE D	E	-	-	-	E	-	-	E	E	-	-	-	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE E	●	-	●	-	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM	CONTROLLER	POLE F	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG	CONTROLLER	POLE G	-	-	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (1B, 1C)	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	●	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (2A)	●	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (2B, 2C, 2D, 2E)	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (5B, 5C)	●	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (6A)	●	-	●	-	-	-	●	-	-	-	-	-	-	-	-	-	●	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (6B, 6C, 6D, 6E)	●	-	●	-	-	-	●	-	-	-	-	-	-	-	-	-	●	-	-	-
1 - No. 8 (GREEN)	CONTROLLER	TO POLES/PULL BOXES	-	-	2	-	1	2	-	-	-	1	-	1	1	1	1	1	1	1	1	1
PULL ROPE	NUMBER AS SHOWN		-	-	2	-	1	2	-	-	-	1	-	1	1	1	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	2-3"	(E)	1-3"	2-3"	(E)	(E)	1-3"	2-3"	1-3"	1-3"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

		
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE *		(B) (F)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

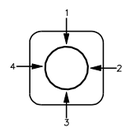
POLE *	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	W	SAHARA	AVE	3300	YES	EXISTING
(B)	-	Spanish Oaks	DR	2400	YES	NEW SEE DETAIL
(D)	W	SAHARA	AVE	3200	YES	EXISTING
(F)	-	Rye	ST	2500	YES	NEW SEE DETAIL

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

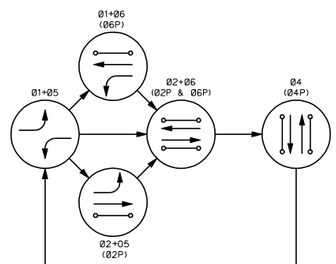
CONSTRUCTION NOTES:

5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
44 REMOVE AND SALVAGE PEDESTRIAN SIGNAL ASSEMBLY.
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60 REMOVE THE EXISTING PULL BOX.
65 INTERCEPT THE EXISTING CONDUIT.



QUADRANT
ARM, SIGNAL, PED BUTTON (TOP VIEW)

PROPOSED PHASE DIAGRAM



FLASHING OPERATION – ALL RED

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL SCHEDULES
SPANISH OAKS DR / RYE ST AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

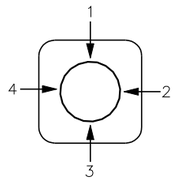
PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-16A
Sheet 470 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

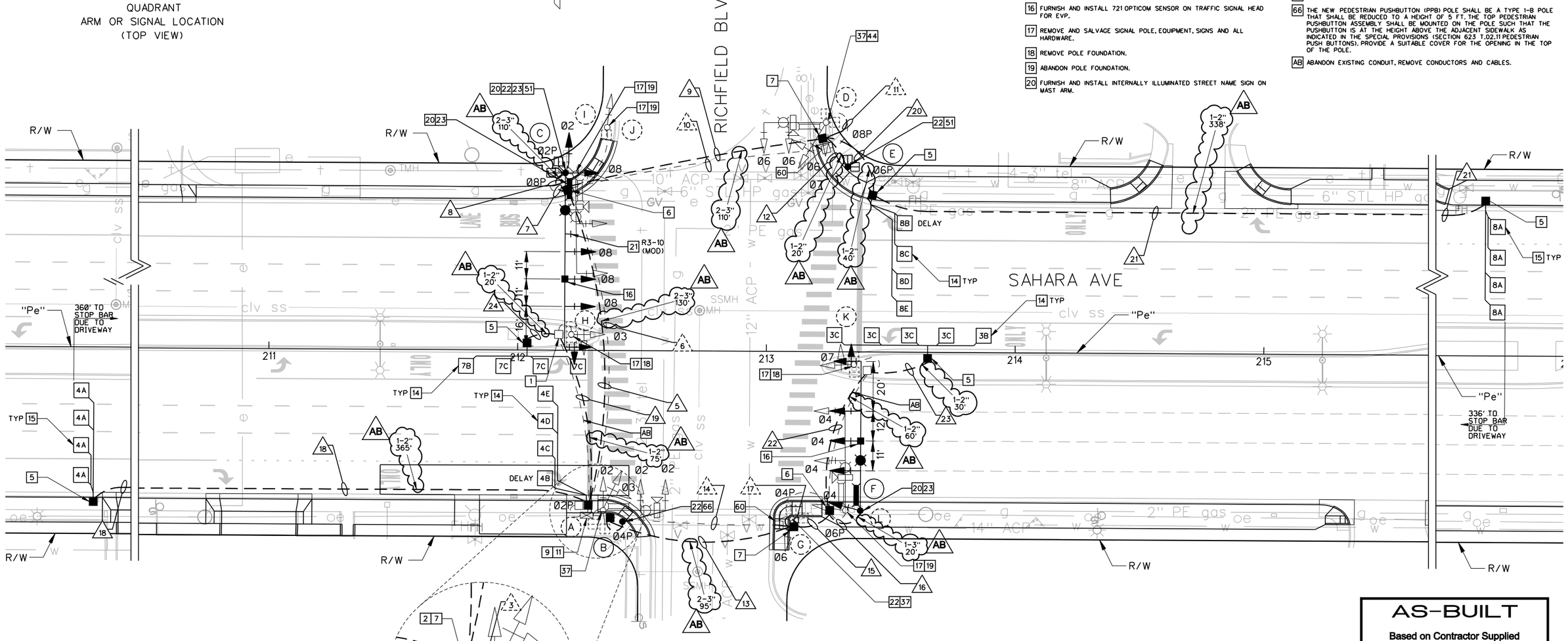


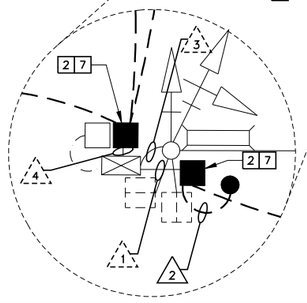
QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1. INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
2. INTERCEPT EXISTING CONDUIT(S) AND INSTALL NEW PULL BOX.
5. FURNISH AND INSTALL No. 5 PULL BOX.
6. REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7. FURNISH AND INSTALL No. 7 PULL BOX.
9. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11. FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14. FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15. FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16. FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17. REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18. REMOVE POLE FOUNDATION.
19. ABANDON POLE FOUNDATION.
20. FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21. FURNISH AND INSTALL SIGN ON MAST ARM.
22. FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23. FURNISH AND INSTALL NEW SIGNAL HEAD.
37. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
38. CHANGE THE EXISTING W-OT PEDESTRIAN SIGNAL ASSEMBLY TO A W-3T PEDESTRIAN SIGNAL ASSEMBLY.
41. REMOVE EXISTING MAST ARM MOUNTED SIGN AND RELOCATE TO NEW MAST ARM.
44. REMOVE AND SALVAGE PEDESTRIAN SIGNAL ASSEMBLY.
51. FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60. REMOVE THE EXISTING PULL BOX.
65. INTERCEPT THE EXISTING CONDUIT.
66. THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.

AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.





AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. THE AS-BUILT TRAFFIC SIGNAL PLAN DID NOT USE THE NEMA 8 PHASE SYSTEM.

20 10 0 20 40
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
RICHFIELD BLVD AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-17

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX 30' (E)	2	25' (E)	2	15' (E)	(2) M-2 (E) B-2T (E)	MA 4	W-3T (E)	4	02 04	RT (E) LT (E)	2 1	37
(B)	"Pe" 212+42.5 68.7' RT (218.8' LT)	PPB 5' B (N)	-	-	-	-	-	-	-	-	02 04	RT (N) LT (N)	2 1	22 66
(C)	"Pe" 213+27.4 76.5' LT	XX-A 30' L (N)	3	60' (N)	3	15' (N)	(4) M-2 (N) B-7T (N)	MA 1	W-3T (N)	1	02 08	LT (N) RT (N)	2 3	16 20 21 22 23 51
(D)	AB EXISTING	XX 30' (E)	4	25' (E)	4	10' (E)	(2) M-2 (E) B-2T (E)	MA 2	W-3T (E)	2	06 08	RT (E) LT (E)	4 3	37 44
(E)	"Pe" 213+32.3 74.3' LT	1-B 7' C (N)	-	-	-	-	-	-	W-2T (N)	TOP	06 08	RT (N) LT (N)	4 3	22 51
(F)	"Pe" 213+38.1 63.8' RT	XX-A 30' L (N)	1	60' (N)	1	15' (N)	(3) M-2 (N) B-1T (N)	MA 3	-	-	-	-	-	16 20 21 23
(G)	EXISTING	1-A 10' (E)	-	-	-	-	A-2T (E)	TOP	W-3T (E)	2	04 06	RT (N) LT (N)	1 4	22 37
(H)	EXISTING	1-A 10' (E)	-	-	-	-	A-8T (E)	TOP	W-3T (E)	4	02	LT/RT (E)	2	17 18
(I)	EXISTING	XX 30' (E)	3	40' (E)	3	10' (E)	(2) M-2 (E) B-1T (E)	MA 1	W-0T (E)	1	02	LT (E)	2	17 19
(J)	EXISTING	1-A 10' (E)	-	-	-	-	A-2T (E)	TOP	W-0T (E)	4	08	LT (E)	3	17 19
(K)	EXISTING	1-A 10' (E)	-	-	-	-	A-8T (E)	TOP	W-3T (E)	2	06	LT/RT (E)	4	17 18
(L)	EXISTING	XX 30' (E)	1	40' (E)	1	10' (E)	(2) M-2 (E) B-1T (E)	MA 3	-	-	-	-	-	17 19

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
(E)	CONTROLLER	POLE A	-	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE B	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM	CONTROLLER	POLE C	-	-	-	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG	CONTROLLER	POLE D	-	-	-	●	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE E	-	-	-	E	-	E	-	-	-	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE F	-	-	-	●	●	-	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM	CONTROLLER	POLE G	●	-	-	-	-	-	-	-	-	-	-	-	●	-	●	●	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE H	E	-	-	-	-	-	-	-	-	-	-	-	-	E	-	-	E	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3B, 3C)	●	-	-	-	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	-	●	●	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	-	-	-	●	●	-	-	-	●	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	-	-	-	●	●	-	-	-	●	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	1	E	E	2	E	1	1	2	E	E	1	2	E	2	1	E	1	1	1	1	1	1	1
PULL ROPE	(NUMBER AS SHOWN)		-	1	-	-	2	-	1	1	2	-	-	1	2	-	2	1	-	1	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E) 1-3"	(A) 1-3"	(E) 2-3"	(A) 2-3"	(E) 1-3"	(A) 1-3"	2-3"	(E) 1-3"	(A) 1-3"	2-3"	(E) 2-3"	(A) 2-3"	(E) 1-3"	(A) 1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

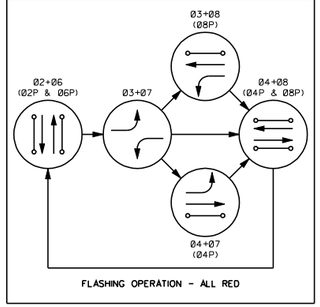
		ONLY
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE *		(C) (G)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	-	SAHARA	-	-	YES	EXISTING
(C)	S	Richfield	BL	2400	YES	NEW
(E)	-	SAHARA	-	-	YES	EXISTING
(G)	S	Richfield	BL	2500	YES	NEW

PROPOSED PHASE DIAGRAM



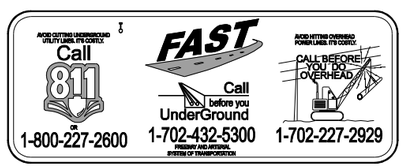
FLASHING OPERATION - ALL RED

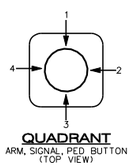
NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
2 INTERCEPT EXISTING CONDUIT(S) AND INSTALL NEW PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' x 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
38 CHANGE THE EXISTING W-0T PEDESTRIAN SIGNAL ASSEMBLY TO A W-3T PEDESTRIAN SIGNAL ASSEMBLY.
41 REMOVE EXISTING MAST ARM MOUNTED SIGN AND RELOCATE TO NEW MAST ARM.
44 REMOVE AND SALVAGE PEDESTRIAN SIGNAL ASSEMBLY.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60 REMOVE THE EXISTING PULL BOX.
65 INTERCEPT THE EXISTING CONDUIT.
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.





QUADRANT
ARM, SIGNAL, PED. BUTTON
(TOP VIEW)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL SCHEDULES
RICHFIELD BLVD AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

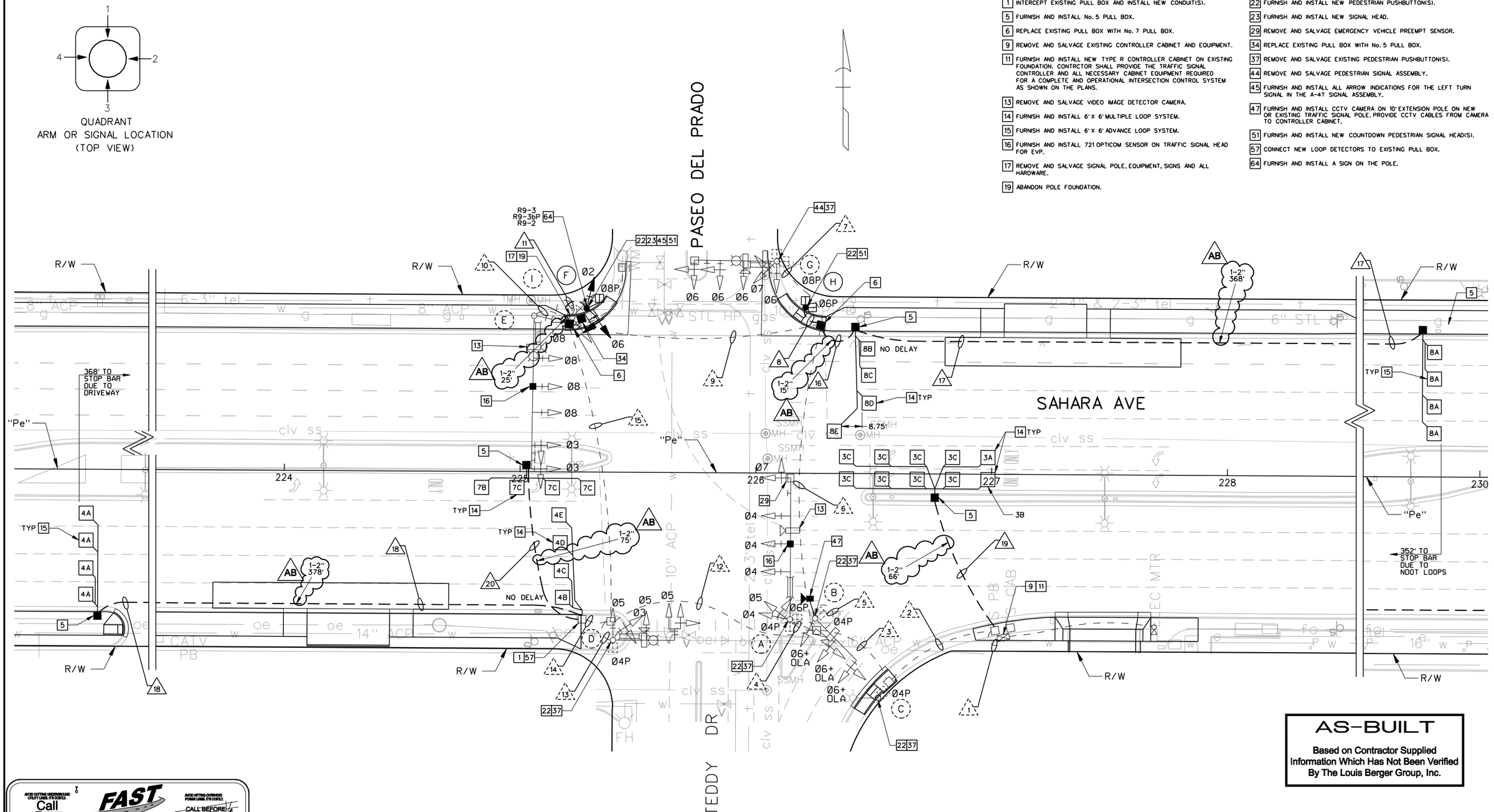
SHEET No. T-17A
Sheet 472 of 592

AS - BUILT - 05.31.2012
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19 ABANDON POLE FOUNDATION.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
34 REPLACE EXISTING PULL BOX WITH No. 5 PULL BOX.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
44 REMOVE AND SALVAGE PEDESTRIAN SIGNAL ASSEMBLY.
45 FURNISH AND INSTALL ALL ARROW INDICATIONS FOR THE LEFT TURN SIGNAL IN THE A-4T SIGNAL ASSEMBLY.
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
64 FURNISH AND INSTALL A SIGN ON THE POLE.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

20 10 0 20 40
GRAPHIC SCALE

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL PLAN

PASEO DEL PRADO/TEDDY DR AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-18
Sheet 473 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	VEHICLE QUAD	PEDESTRIAN TYPE	PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PUSH BUTTON ARROW	PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX-A 20' (E)	1	60' (E)	-	-	(4) M-2 (E) B-14T (E)	MA 3	W-3T (E)	3	Ø4 Ø6	RT (E) LT (E)	3 2.5	13 16 22 37 29
(B)	EXISTING	XX 20' (E)	2.5	25' (E)	-	-	(2) M-2 (E) B-1T (E)	MA 4.5	W-0T (E)	4.5	Ø4	RT (E)	3.5	22 37 47
(C)	EXISTING	TYPE 7 28'-6" (E)	-	-	-	-	-	-	W-0T (E)	2	Ø4	LT (E)	1.5	22 37
(D)	EXISTING	XX 30' (E)	2	25' (E)	2	15' (E)	M-5 (E) M-2 (E) B-2T (E)	MA MA 4	W-0T (E)	4	Ø4	LT (E)	1	22 37
(E)	EXISTING	XX-B 30' (E)	3	65' (E)	3	15' (E)	(5) M-2 (E) B-1T (E)	MA 1	-	-	-	-	-	13 16
(F)	"Pe" 225+27.8 69.5' LT	1-A 10' C (N)	-	-	-	-	A-4T (N)	TOP	W-0T (N)	4	Ø8	RT (N)	3	22 23 45 51 64
(G)	EXISTING	XX 30' (E)	4	35' (E)	4	15' (E)	(3) M-2 (E) B-2T (E)	MA 2	W-3T (E)	2	Ø6 Ø8	RT (E) LT (E)	4 3	37 44
(H)	"Pe" 226+20.7 70.3' LT	1-B 7' C (N)	-	-	-	-	-	-	W-2T (N)	TOP	Ø6 Ø8	RT (N) LT (N)	4 3	22 51
(I)	EXISTING	1-A 10' (E)	-	-	-	-	A-4T (E)	TOP	W-0T (E)	1	Ø8	RT (E)	3	17 19

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.

(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
(E)	CONTROLLER	POLE A	E	E	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE B	E	E	E	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE C	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE D	E	E	E	-	-	-	-	-	-	-	-	E	E	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE E	E	E	E	-	-	-	-	-	-	E	-	E	-	-	E	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE F	●	●	●	-	-	-	-	-	-	-	●	●	-	-	●	-	-	-	-	-
(E)	CONTROLLER	POLE G	E	E	E	-	-	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE H	●	●	●	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3A, 3B, 3C)	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	●	●	-	-	-	-	-	-	-	-	●	-	●	-	-	-	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	●	●	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	●	●	●	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	●	●	-	-	●	-	-	-	-	-	-	-	-	-	●	●	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	●	●	-	-	●	-	-	-	-	-	-	-	-	-	●	-	-	-	-
CCTV CAMERA	CONTROLLER	POLE B	●	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 OPTICOM CABLE	CONTROLLER	POLE E	●	●	●	-	-	-	-	-	-	●	-	●	-	-	●	-	-	-	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	E	E	E	E	1	E	E	1	E	E	E	E	1	1	1	1	1	1
PULL ROPE	(NUMBER AS SHOWN)		-	-	-	-	-	-	1	-	-	1	-	-	-	-	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	(E)	(E)	2-3" (E)	(E)	1-2"	2-3" (E)	(E)	1-2"	2-3" (E)	(E)	(E)	2-3" (E)	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

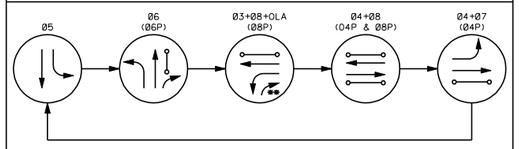
			
SIGN DESIGNATION	R9-3	R9-3bP	R9-2
DIMENSIONS	24" x 24"	18" x 12"	12" x 18"
POLE *	(F)	(F)	(F)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	-	TEDDY	DR	-	YES	EXISTING
(D)	W	SAHARA	AVE	2700	YES	EXISTING
(E)	-	PASEO DEL PRADO	-	-	YES	EXISTING
(G)	-	SAHARA	AVE	-	YES	EXISTING

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED
** PHASE OLA = Ø3+Ø6

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRCTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6'X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6'X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19 ABANDON POLE FOUNDATION.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
34 REPLACE EXISTING PULL BOX WITH No. 5 PULL BOX.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
44 REMOVE AND SALVAGE PEDESTRIAN SIGNAL ASSEMBLY.
45 FURNISH AND INSTALL ALL ARROW INDICATIONS FOR THE LEFT TURN SIGNAL IN THE A-4T SIGNAL ASSEMBLY.
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
64 FURNISH AND INSTALL A SIGN ON THE POLE.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL SCHEDULES
PASEO DEL PRADO AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

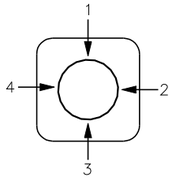
PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-18A
Sheet 474 of 592

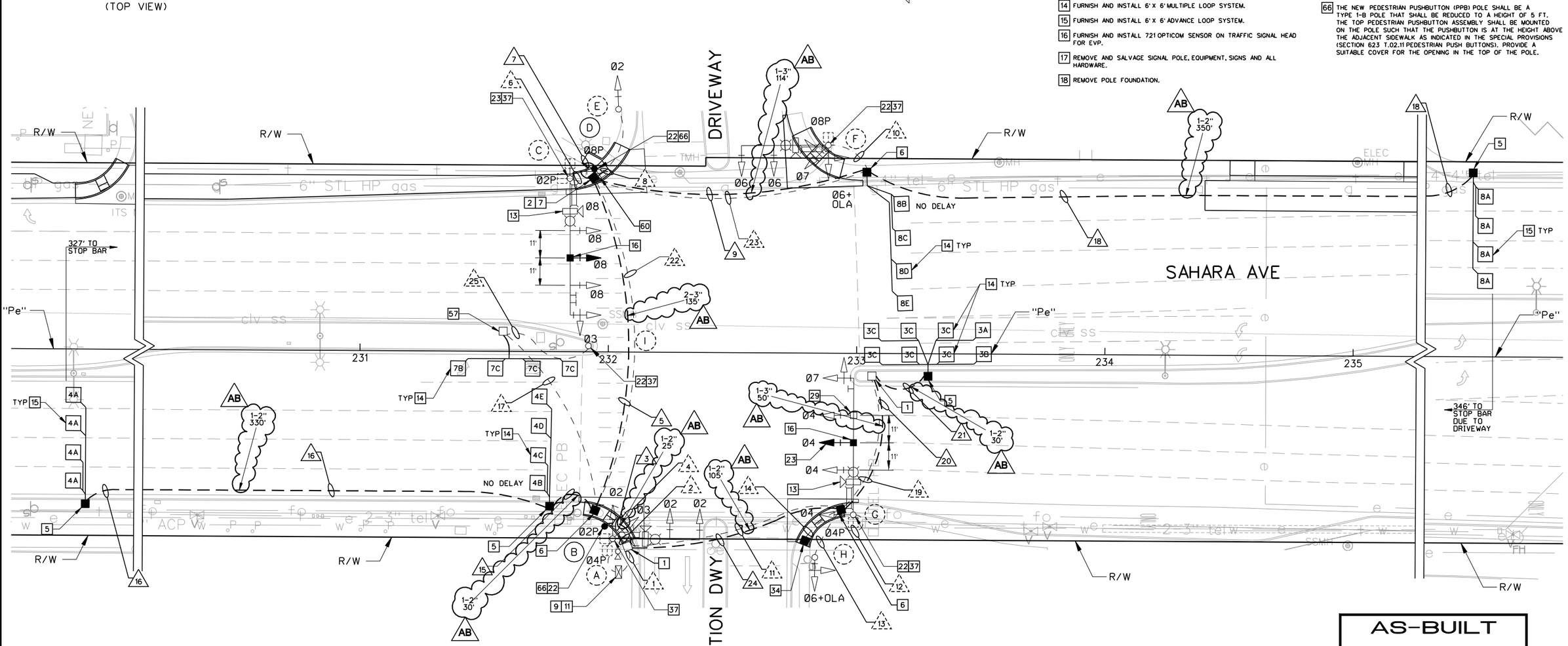
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1. INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
2. INTERCEPT EXISTING CONDUIT(S) AND INSTALL NEW PULL BOX.
5. FURNISH AND INSTALL No. 5 PULL BOX.
6. REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7. FURNISH AND INSTALL No. 7 PULL BOX.
9. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11. FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER NAD ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13. REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14. FURNISH AND INSTALL 6'X 6' MULTIPLE LOOP SYSTEM.
15. FURNISH AND INSTALL 6'X 6' ADVANCE LOOP SYSTEM.
16. FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17. REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18. REMOVE POLE FOUNDATION.
21. FURNISH AND INSTALL SIGN ON MAST ARM.
22. FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23. FURNISH AND INSTALL NEW SIGNAL HEAD.
29. REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
34. REPLACE EXISTING PULL BOX WITH No. 5 PULL BOX.
37. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
51. FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
57. CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
60. REMOVE THE EXISTING PULL BOX.
65. INTERCEPT THE EXISTING CONDUIT.
66. THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 1.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.



NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. AN AS-BUILT TRAFFIC SIGNAL PLAN WAS NOT AVAILABLE FOR THIS INTERSECTION.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

20 10 0 20 40
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES, ETC CONTACT. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES, ETC CONTACT. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
PALACE STATION DWY AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	ELC
DESIGNED BY:	CAB	CHECKED BY:	NLG
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. T-19
Sheet 475 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	VEHICLE QUAD	PEDESTRIAN TYPE	PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PUSH BUTTON ARROW	PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX 30' (E)	2	35' (E)	2	15' (E)	(2) M-2 (E) B-2T (E)	MA 4	W-3T (E)	3	02 04	RT (E) LT (E)	2 1	37
(B)	"Pe" 231+98.9 70.2' RT	PPB 5' C (N)	-	-	-	-	-	-	-	-	02 04	RT (N) LT (N)	2 1	22 66
(C)	EXISTING	XX-A 30' (E)	3	55' (E)	3	15' (E)	(3) M-2 (E) M-2 (N) B-1T (E)	MA MA 1	W-3T (E)	1	02 08	LT (E) RT (E)	2 3	16 23 13 37
(D)	"Pe" 231+94.0 73.7' LT	PPB 5' C (N)	-	-	-	-	-	-	-	-	02 08	LT (N) RT (N)	2 3	22 66
(E)	EXISTING	1-A 10' (E)	-	-	-	-	A-2T (E)	TOP	-	-	-	-	-	
(F)	EXISTING	XX 30' (E)	4	35' (E)	4	15' (E)	(2) M-2 (E) B-1+T (E)	MA 2	W-0T (E)	2	08	LT (N)	3	22 37
(G)	EXISTING	XX-A 30' (E)	1	55' (E)	1	15' (E)	(3) M-2 (E) M-2 (N) B-1T (E)	MA MA 3	W-0T (E)	3	04	RT (N)	1	22 37 13 16 23 29
(H)	EXISTING	1-A 10' (E)	-	-	-	-	A-16T (E)	TOP	-	-	-	-	-	
(I)	EXISTING	PPB 3.5' (E)	-	-	-	-	-	-	-	-	02	LT/RT (N)	4	22 37

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.

(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
(E)	CONTROLLER	POLE A	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE B	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE C	E	-	-	E	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	-	-	-
1-15 COND No. 14	CONTROLLER	POLE D	●	-	-	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE E	E	-	-	E	-	-	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E	-	-	-
(E)	CONTROLLER	POLE F	E	-	-	E	-	-	-	-	E	-	-	-	-	-	-	-	-	-	-	-	-	E	E	-	-
(E)	CONTROLLER	POLE G	E	-	-	-	-	-	-	-	-	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE H	E	-	-	-	-	-	-	-	-	-	E	-	E	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE I	E	-	-	E	-	-	-	-	-	-	-	-	-	-	-	-	E	-	-	-	-	-	-	-	E
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3A, 3B, 3C)	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	●	-	
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	-	-	●	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	-	-	●	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	-	-	●	●	-	-	-	●	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	-	-	●	●	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 OPTICOM CABLE	CONTROLLER	POLE C	●	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	1	E	2	E	1	E	1	E	E	E	E	E	1	1	E	1	E	1	1	E	E	1	E
PULL ROPE	NUMBER AS SHOWN		-	-	1	-	2	-	1	-	1	-	-	-	-	-	1	1	-	1	-	1	1	-	-	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	1-2"	(E)	1-3"	(E)	1-2"	(E)	1-3"	(E)	(E)	(E)	(E)	(E)	1-2"	1-2"	(E)	1-2"	(E)	1-2"	2-2" (E)	1-3" (E)	1-3"	(E)	

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

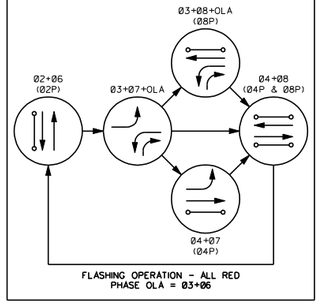
SIGN DESIGNATION DIMENSIONS		
POLE *		

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	-	SAHARA	-	-	YES	EXISTING
(C)	-	PALACE STATION	-	-	YES	EXISTING
(F)	-	SAHARA	-	-	YES	EXISTING
(G)	-	PALACE STATION	-	-	NO	EXISTING

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED
PHASE OLA = Ø3+Ø6

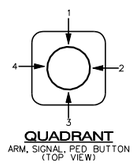
NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
2 INTERCEPT EXISTING CONDUIT(S) AND INSTALL NEW PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER NAD ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
34 REPLACE EXISTING PULL BOX WITH No. 5 PULL BOX.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
60 REMOVE THE EXISTING PULL BOX.
65 INTERCEPT THE EXISTING CONDUIT.
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.





QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

PALACE STATION DWY AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

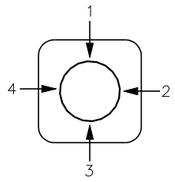
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-19A

Sheet 476 of 592

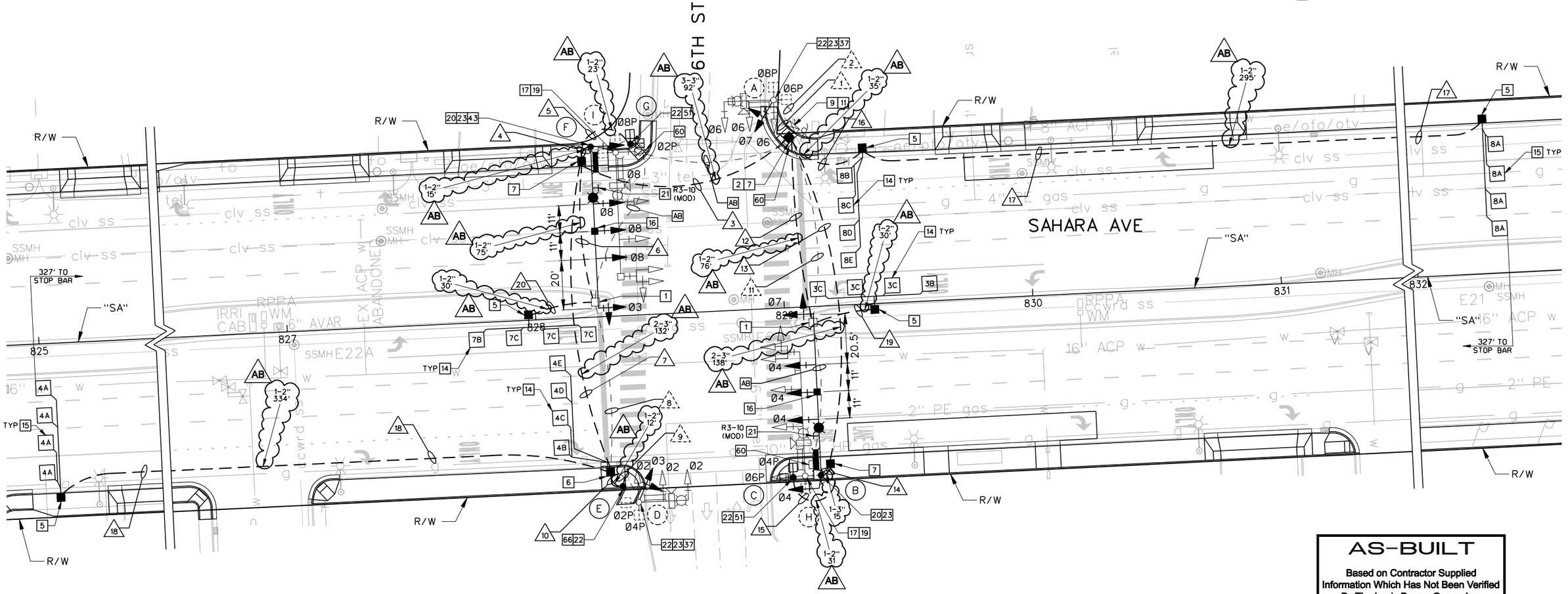
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

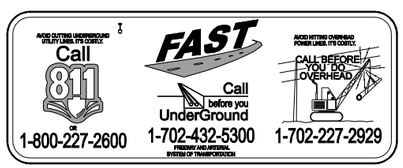


QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1. INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
2. INTERCEPT EXISTING CONDUIT(S) AND INSTALL NEW PULL BOX.
5. FURNISH AND INSTALL No. 5 PULL BOX.
6. REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7. FURNISH AND INSTALL No. 7 PULL BOX.
9. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11. FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14. FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15. FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16. FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17. REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19. ABANDON POLE FOUNDATION.
20. FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21. FURNISH AND INSTALL SIGN ON MAST ARM.
22. FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23. FURNISH AND INSTALL NEW SIGNAL HEAD.
37. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
43. FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
51. FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60. REMOVE THE EXISTING PULL BOX.
66. THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
AB. ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.





AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. THE AS-BUILT TRAFFIC SIGNAL PLAN DID NOT USE THE NEMA 8 PHASE SYSTEM.

20 10 0 20 40
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
6TH ST AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	ELC
DESIGNED BY:	ALB	CHECKED BY:	NLG
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
T-20
Sheet 477 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX 30' (E)	4	20' (E)	4	15' (E)	(2) M-2 (E) 8-2T (N)	MA 2	W-3T (E)	2	06 08	RT (N) LT (N)	4 3	22 23 37
(B)	"SA" 829+11.5 67.9' RT	XX-B 30' M (N)	1	65' (N)	1	15' (N)	(4) M-2 (N) 8-1T (N)	MA 3	–	–	–	–	–	16 20 21 23
(C)	"SA" 829+00.3 68.3' RT	1-B 7' C (N)	–	–	–	–	–	–	W-2T (N)	TOP	04 06	RT (N) LT (N)	1 4	22 51
(D)	EXISTING	XX 30' (E)	2	20' (E)	2	15' (E)	(2) M-2 (E) 8-2T (N)	MA 4	W-3T (E)	4	02 04	RT (E) LT (E)	2 1	37
(E)	"SA" 828+31.8 68.5' RT	PPB 5' C (N)	–	–	–	–	–	–	–	–	02 04	RT (N) LT (N)	2 1	22 66
(F)	"SA" 828+25.3 68.5' LT	XX-B 30' M (N)	3	65' (N)	3	15' (N)	(4) M-2 (N) 8-1T (N)	MA 1	–	–	–	–	–	16 20 21 23 43
(G)	"SA" 828+41.4 68.9' LT	1-B 7' C (N)	–	–	–	–	–	–	W-2T (N)	TOP	02 08	LT (N) RT (N)	2 3	22 51
(H)	EXISTING	XX-A 30' (E)	1	50' (E)	1	15' (E)	M-5 (E) (2) M-2 (E) 8-1T (E)	MA MA 3	W-3T (E)	3	04 06	RT (E) LT (E)	1 4	17 19
(I)	EXISTING	XX-A 30' (E)	3	50' (E)	3	15' (E)	M-5 (E) (2) M-2 (E) 8-1T (E)	MA MA 1	W-3T (E)	1	02 08	LT (E) RT (E)	1	17 19

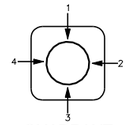
SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.

(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
(E)	CONTROLLER	POLE A	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE B	●	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–
1-15 COND No. 14	CONTROLLER	POLE C	●	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE D	●	–	●	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–
1-15 COND No. 14	CONTROLLER	POLE E	●	–	●	–	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE F	●	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-15 COND No. 14	CONTROLLER	POLE G	●	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3B, 3C)	●	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	●	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	●	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	–	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	●	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
1 COAXIAL CABLE 3-No. 14 AWG	CONTROLLER	POLE D	●	–	●	–	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	3	1	1	1	2	E	E	1	E	1	2	1	1	1	1	1	1	1
PULL ROPE	NUMBER AS SHOWN		–	–	3	1	1	1	2	–	–	1	–	1	2	1	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	3-3"	1-3"	1-2"	1-3"	2-3"	1-3"	(E)	1-2"	(E)	1-2"	2-3"	1-3"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

SIGN SCHEDULE

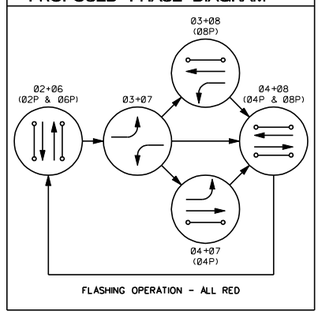
		ONLY
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE *		(B) (F)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	–	SAHARA	–	–	YES	EXISTING
(B)	S	6TH	ST	2500	YES	NEW
(D)	–	SAHARA	–	–	YES	EXISTING
(F)	S	6TH	ST	2400	YES	NEW

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
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8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
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CONSTRUCTION NOTES:

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5 FURNISH AND INSTALL No. 5 PULL BOX.
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20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60 REMOVE THE EXISTING PULL BOX.
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AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
PASSPORT AND ARTERIAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

6TH STREET AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

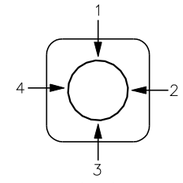
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-20A
Sheet 478 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

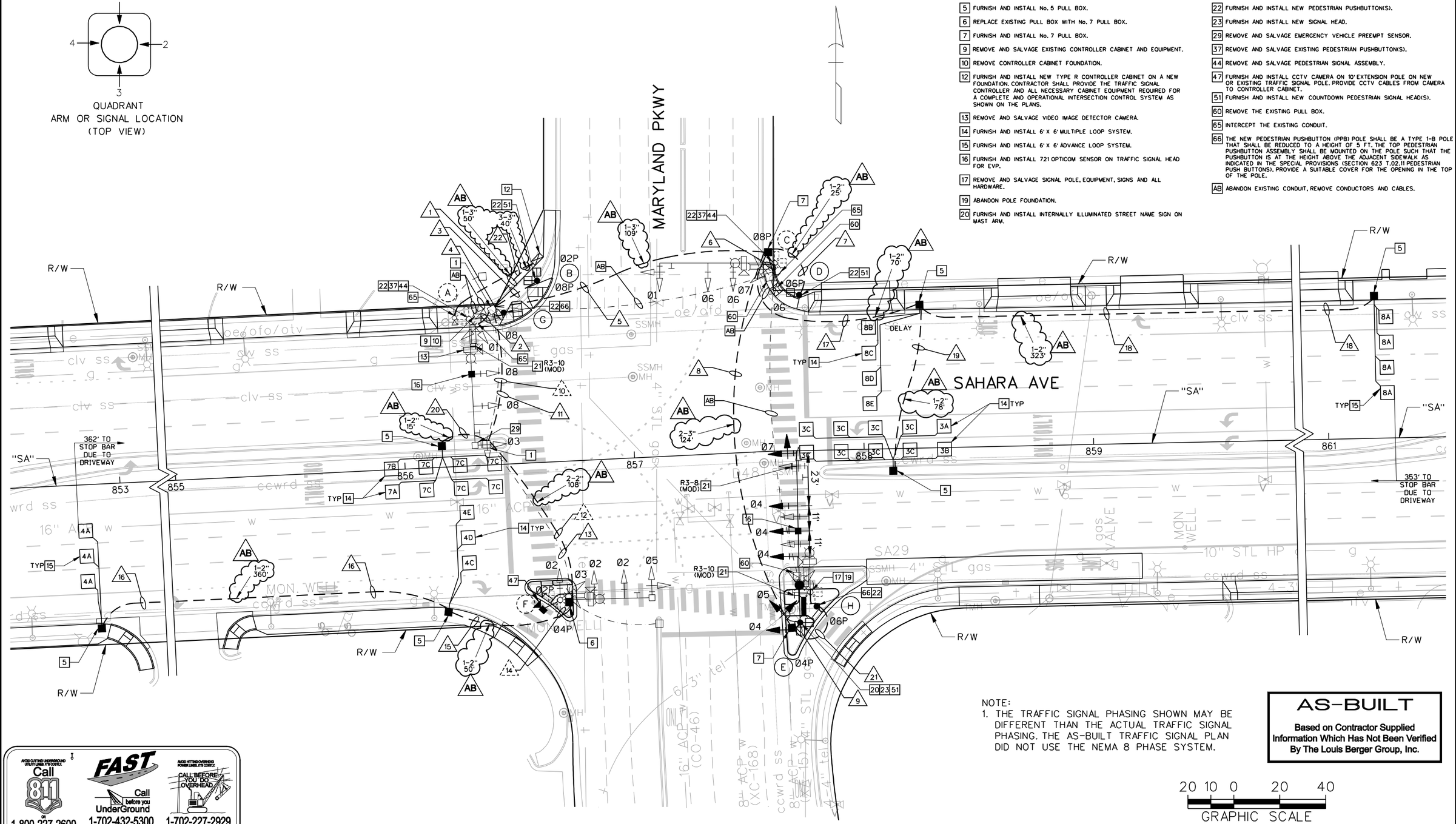
AS - BUILT - 05.31.2012



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1. INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5. FURNISH AND INSTALL No. 5 PULL BOX.
6. REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7. FURNISH AND INSTALL No. 7 PULL BOX.
9. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
10. REMOVE CONTROLLER CABINET FOUNDATION.
12. FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON A NEW FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13. REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14. FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15. FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16. FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17. REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19. ABANDON POLE FOUNDATION.
20. FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21. FURNISH AND INSTALL SIGN ON MAST ARM.
22. FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23. FURNISH AND INSTALL NEW SIGNAL HEAD.
29. REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
37. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
44. REMOVE AND SALVAGE PEDESTRIAN SIGNAL ASSEMBLY.
47. FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51. FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60. REMOVE THE EXISTING PULL BOX.
65. INTERCEPT THE EXISTING CONDUIT.
66. THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
AB. ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.



NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. THE AS-BUILT TRAFFIC SIGNAL PLAN DID NOT USE THE NEMA 8 PHASE SYSTEM.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

20 10 0 20 40
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
MARYLAND PKWY AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: ALB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
T-21
Sheet 479 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX-A 30' (E)	3	55' (E)	3	15' (E)	(3) M-2 (E) B-2T (E)	MA 1	W-3T (E)	1	02 08	LT (E) RT (E)	2 3	37 44
(B)	"SA" 856+61.4 79.2' LT	1-B 7' C (N)	-	-	-	-	-	-	W-2T (N)	TOP	08	RT (N)	3	22 51
(C)	EXISTING	XX-A 30' (E)	4	50' (E)	4	15' (E)	(3) M-2 (E) B-2T (E)	MA 2	W-3T (E)	2	06 08	RT (E) LT (N)	4 3	22 37 44
(D)	"SA" 857+73.2 67.8' LT	1-B 7' C (N)	-	-	-	-	-	-	W-2T (N)	TOP	06	RT (N)	4	22 51
(E)	"SA" 857+70.6 74.8' RT	XX-B 30' M (N)	1	75' (N)	1	15' (N)	(3) M-2 (N) B-2T (N)	MA 3	W-3T (N)	3				16 20 21 23
(F)	EXISTING	XX 30' (E)	2	40' (E)	2	15' (E)	(3) M-2 (E) B-2T (E)	MA 4	W-3T (E)	4	02 04	RT (N) LT (N)	2 1	22 37 47
(G)	"SA" 856+46.2 66.0' LT	PPB 5' C (N)	-	-	-	-	-	-	-	-	02	LT (N)	2	22 66
(H)	"SA" 857+77.9 68.0' RT	PPB 5' C (N)	-	-	-	-	-	-	-	-	04 06	LT (N) LT (N)	3 4	22 66
(I)	EXISTING	XX-A 30' (E)	1	55' (E)	1	15' (E)	(3) M-2 (E) B-2T (E)	MA 3	W-3T (E)	3	04 06	RT (E) LT (E)	1 4	17 19

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT
(R) = RELOCATED EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
4- No. 4 AWG	SERVICE PEDESTAL	CONTROLLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE A	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE B	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE C	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE D	●	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE E	●	-	-	-	●	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE F	●	-	-	-	-	-	-	-	-	-	●	-	-	●	●	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE G	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE H	●	-	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	●	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3A, 3B, 3C)	●	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	●	-	●	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	-	-	-	-	-	-	-	-	-	●	-	●	-	●	●	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4C, 4D, 4E)	●	-	-	-	-	-	-	-	-	-	●	-	●	-	●	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7A, 7B, 7C)	●	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	●	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
CCTV CAMERA	CONTROLLER	POLE F	●	-	-	-	-	-	-	-	-	-	●	-	●	●	-	-	-	-	-	-	-	-
1 COAXIAL CABLE 3-No. 14 AWG	CONTROLLER	POLE C	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	1	E	1	E	1	2	1	E	1	E	1	E	1	1	1	1	1	1	1	1
PULL ROPE	(NUMBER AS SHOWN)		-	-	1	-	1	-	1	2	1	-	1	-	1	-	1	1	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	1-2"	1-2"	2-3"	1-2"	2-3"	1-3"	1-2" (E)	2-3"	1-2" (E)	2-3"	(E)	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

SIGN DESIGNATION DIMENSIONS	R3-8 (MOD) 36" x 36"	R3-10 (MOD) 30" x 36"
POLE *	(F)	(A) (F)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	-	MARYLAND	-	-	YES	EXISTING
(C)	-	SAHARA	-	-	YES	EXISTING
(E)	S	Maryland	PKWY	2500	YES	NEW
(F)	-	SAHARA	-	-	YES	EXISTING

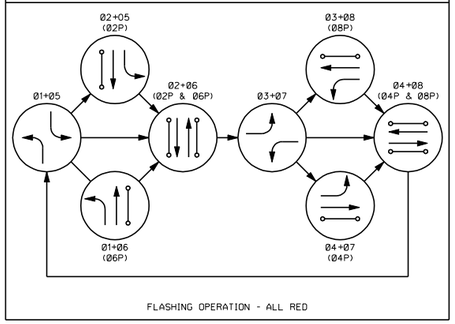
NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

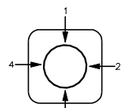
CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
10 REMOVE CONTROLLER CABINET FOUNDATION.
12 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON A NEW FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
44 REMOVE AND SALVAGE PEDESTRIAN SIGNAL ASSEMBLY.
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60 REMOVE THE EXISTING PULL BOX.
65 INTERCEPT THE EXISTING CONDUIT.
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTON(S). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON (TOP VIEW)

AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
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HIGHWAY AND NATIONAL SYSTEM OF TRANSPORTATION

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CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

MARYLAND PKWY AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

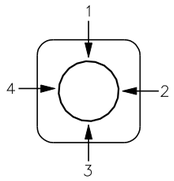
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-21A

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

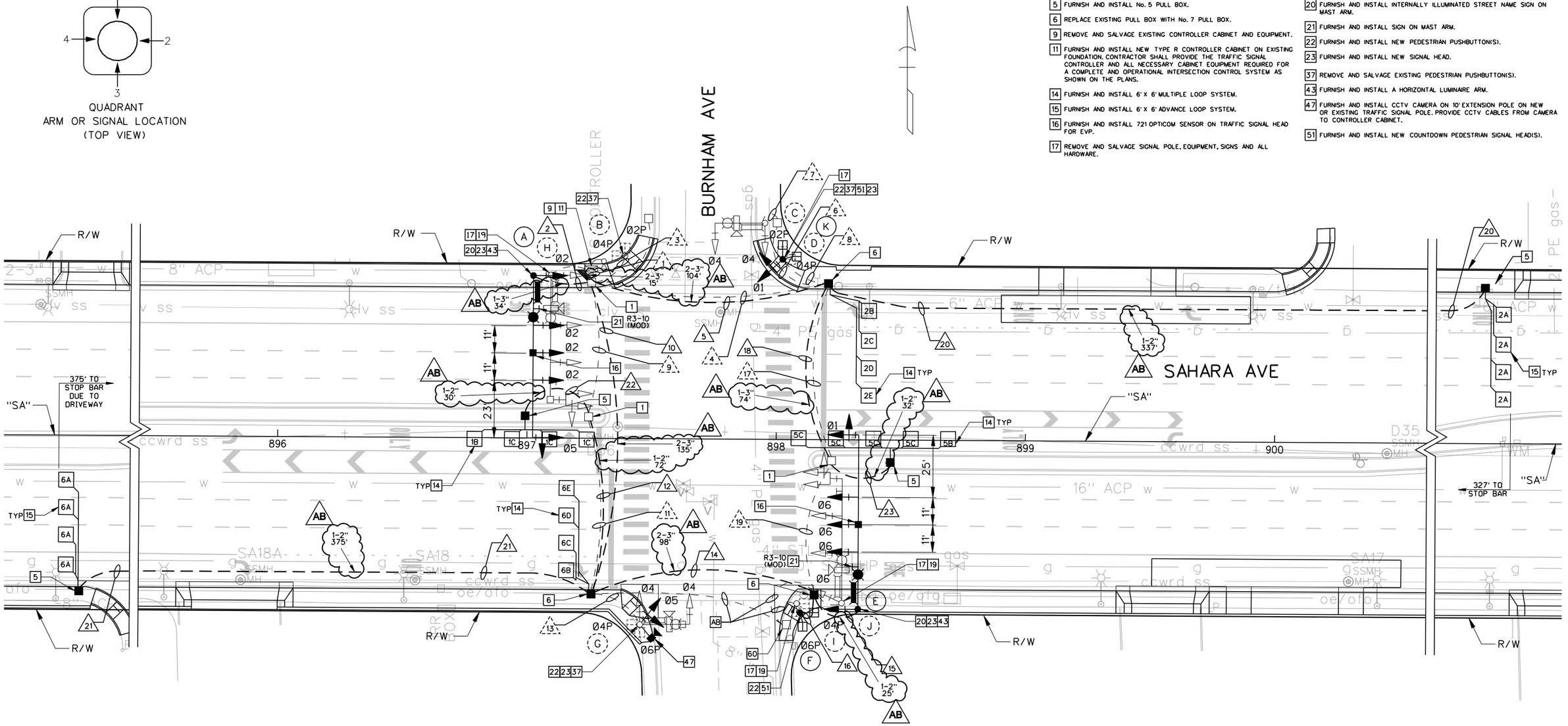
AS - BUILT - 05.31.2012



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1. INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5. FURNISH AND INSTALL No. 5 PULL BOX.
6. REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11. FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14. FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15. FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16. FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17. REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19. ABANDON POLE FOUNDATION.
20. FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21. FURNISH AND INSTALL SIGN ON MAST ARM.
22. FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23. FURNISH AND INSTALL NEW SIGNAL HEAD.
37. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
43. FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
47. FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51. FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN IS PER THE AS-BUILT TRAFFIC SIGNAL PLAN.

20 10 0 20 40
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
BURNHAM AVE AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-22

Sheet 481 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	TYPE HEIGHT FOUND.	POLE SIGNAL ARM QUAD	POLE SIGNAL ARM LENGTH	POLE LUMINAIRE ARM QUAD	POLE LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	"SA" 897+02.3 65.2' LT	XX-B 30' M (N)	3	65' (N)	3	15' (N)	(4) M-2 (N) B-1T (N)	MA 1	-	-	-	-	-	16 20 21 23 43
(B)	EXISTING	1-A 10' (E)	-	-	-	-	-	-	W-2T (E)	TOP	02 04	RT (N) LT (N)	3 2	22 37
(C)	EXISTING	XX 30' (E)	4	20' (E)	4	15' (E)	M-2 (E) B-2T (N)	MA 2	-	-	-	-	-	23
(D)	EXISTING	1-B 7' (E)	-	-	-	-	-	-	W-2T (E)	TOP	02 04	LT (E) RT (E)	3 4	17
(E)	"SA" 898+33.2 68.0' RT	XX-B 30' M (N)	1	70' (N)	1	15' (N)	(4) M-2 (N) B-1T (N)	MA 3	-	-	-	-	-	16 20 21 23 43
(F)	"SA" 898+09.9 69.5' RT	1-B 7' C (N)	-	-	-	-	-	-	W-2T (N)	TOP	04 06	LT (N) RT (N)	4 1	22 51
(G)	EXISTING	XX 30' (E)	2	20' (E)	2	15' (E)	M-2 (E) B-2T (N)	MA 4	W-3T (E)	4	04 06	LT (N) LT (N)	4 1	22 23 37
(H)	EXISTING	XX-A 30' (E)	3	50' (E)	3	15' (E)	M-5 (E) (2) M-2 (E) B-1T (E)	MA MA 1	-	-	-	-	-	17 19
(I)	EXISTING	XX-A 30' (E)	1	50' (E)	1	15' (E)	M-5 (E) (2) M-2 (E) B-1T (E)	MA MA 3	-	-	-	-	-	17 19
(J)	EXISTING	1-B 7' (E)	-	-	-	-	-	-	W-2T (E)	TOP	04 06	LT (E) RT (E)	4 1	17 19
(K)	"SA" 898+02.2 72.3' LT	1-A 10' (E)	-	-	-	-	A-2T (N)	TOP	W-3T (N)	2	02 04	LT (N) RT (N)	3 4	22 23 37 51

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT
(R) = RELOCATED EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE A	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE B	E	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE C	E	-	-	E	-	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE K	E	-	-	E	-	-	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE E	●	-	-	-	-	-	-	-	-	●	-	-	-	●	●	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE F	●	-	-	-	-	-	-	-	-	●	-	-	-	●	-	●	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE G	E	-	-	-	-	-	-	-	E	-	E	-	E	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (1B, 1C)	●	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (2A)	●	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (2B, 2C, 2D,2E)	●	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (5B, 5C)	●	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (6A)	●	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	-	-	-	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (6B, 6C, 6D, 6E)	●	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-
CCTV CAMERA	CONTROLLER	POLE G	●	-	-	-	-	-	-	-	-	●	-	●	●	-	-	-	-	-	-	-	-	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	1	E	E	2	E	E	E	E	2	E	1	E	2	1	1	E	1	E	1	1	1	1
PULL ROPE	(NUMBER AS SHOWN)		-	1	-	-	2	-	-	-	-	2	-	1	-	2	1	1	-	1	-	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E) 1-3"	(E) 1-3"	(E) 1-2" (E) 2-3"	(E) 1-2" (E) 2-3"	(E) 1-2" (E) 1-3"	(E) 1-2" (E) 1-3"	2-3"	1-2" (E) 1-3" (E) 2-3"	1-2" (E) 1-3" (E) 2-3"	1-3"	(E) 2-3"	2-3"	1-2" (E) 1-3" (E) 2-3"	1-2" (E) 1-3" (E) 2-3"	1-2" (E) 1-3" (E) 2-3"	1-2" (E) 1-3" (E) 2-3"	1-2" (E) 1-3" (E) 2-3"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

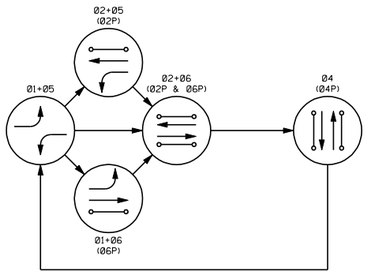
		ONLY
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE *		(A) (E)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

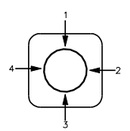
STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	S	Burnham	ST	2400	YES	NEW
(C)	-	SAHARA	-	-	YES	EXISTING
(E)	S	Burnham	ST	2500	YES	NEW
(G)	-	SAHARA	-	-	YES	EXISTING

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL SCHEDULES
BURNHAM AVE AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

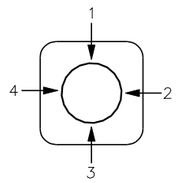
PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-22A
Sheet 482 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1. INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
2. INTERCEPT EXISTING CONDUIT(S) AND INSTALL NEW PULL BOX.
5. FURNISH AND INSTALL No. 5 PULL BOX.
6. REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7. FURNISH AND INSTALL No. 7 PULL BOX.
9. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11. FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13. REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14. FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15. FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16. FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17. REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19. ABANDON POLE FOUNDATION.
20. FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21. FURNISH AND INSTALL SIGN ON MAST ARM.
22. FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23. FURNISH AND INSTALL NEW SIGNAL HEAD.
24. REMOVE AND RELOCATE EXISTING SIGNAL HEAD.
29. REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
37. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
43. FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
47. FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51. FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60. REMOVE THE EXISTING PULL BOX.
61. REMOVE AND SALVAGE THE CLOSED CIRCUIT TV CAMERA AND ASSOCIATED EQUIPMENT.
65. INTERCEPT THE EXISTING CONDUIT.
AB. ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

EASTERN AVE

SAHARA AVE

R/W

"SA"

342' TO STOP LINE (DUE TO DRIVEWAY)

909 910 911 913 915

"SA" 915+15.3

SSMH D31

SSMH SA14

SSMH D30

16" ACP W

12" W

10" STL HP gas

4" PE gas

R3-10 (MOD)

R3-8 (MOD)

1-2" 95'

1-3" 130'

1-3" 44'

1-3" 328'

2-3" 176'

1-2" 115'

1-2" 340'

2-3" 175'

1-2" 44'

1-3" 25'

1-1" 25'

24'

11'

TYP

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. THE AS-BUILT TRAFFIC SIGNAL PLAN DID NOT USE THE NEMA 8 PHASE SYSTEM.

20 10 0 20 40
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
EASTERN AVE AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-23
Sheet 483 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	TYPE HEIGHT FOUND.	POLE SIGNAL ARM QUAD	POLE SIGNAL ARM LENGTH	POLE LUMINAIRE ARM QUAD	POLE LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX-A 30' (E)	3	55' (E)	3	15' (E)	(2) M-2 (E) M-2 (R) M-2 (N) B-1T (E)	MA MA MA 1	-	-	-	-	-	16 21 23 24 29
(B)	EXISTING	1-A 10' (E)	-	-	-	-	A-4T (E)	TOP	W-3T (E)	3	02 04	LT (N) RT (N)	2 3	22 37
(C)	EXISTING	XX 30' (E)	4	45' (E)	4	15' (E)	(3) M-2 (E) B-1T (E)	MA 2	-	-	-	-	-	
(D)	EXISTING	1-A 10' (E)	-	-	-	-	A-8T (E)	TOP	W-3T (E)	1	04 06	LT (N) RT (N)	3 4	22 37
(E)	"SA" 911+95.3 69.8' RT	XX-B 30' M(N)	1	70' (N)	1	15' (N)	(4) M-2 (N) B-1T (N)	MA 3	-	-	-	-	-	16 20 21 23 43
(F)	EXISTING	1-A 10' (E)	-	-	-	-	A-4T (E)	TOP	W-3T (E)	2	06 08	LT (N) RT (N)	4 1	22 37
(G)	EXISTING	XX 30' (E)	2	45' (E)	2	15' (E)	(3) M-2 (E) B-1T (E)	MA 4	-	-	-	-	-	47 61
(H)	EXISTING	1-A 10' (E)	-	-	-	-	A-1 (E)	TOP	W-3T (E)	2	02 08	RT (N) LT (N)	2 1	22 37
(I)	EXISTING	XX-A 30' (E)	1	60' (E)	1	15' (E)	(3) M-2 (E) B-1T (E)	MA 3	-	-	-	-	-	17 19

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT
(R) = RELOCATED EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
(E)	CONTROLLER	POLE A	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE B	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE C	●	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE D	●	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE E	●	-	-	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE F	●	-	-	●	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG	CONTROLLER	POLE G	●	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE H	●	-	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3A, 3B, 3C)	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7A, 7B, 7C)	●	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	●	●	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	●	-	-	-	-
1 COAXIAL CABLE 3-No. 14 AWG	CONTROLLER	POLE C	●	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 COAXIAL CABLE 3-No. 14 AWG	CONTROLLER	POLE G	●	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-
CCTV CAMERA	CONTROLLER	POLE G	●	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	E	3	1	E	1	1	2	1	1	2	E	E	E	1	1	1	1	1	1
PULL ROPE	NUMBER AS SHOWN		-	-	-	3	1	-	1	1	2	1	1	2	-	-	-	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	(E)	3-3"	1-3"	(E)	1-2"	2-3"	1-3"	1-2"	2-3"	(E)	(E)	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

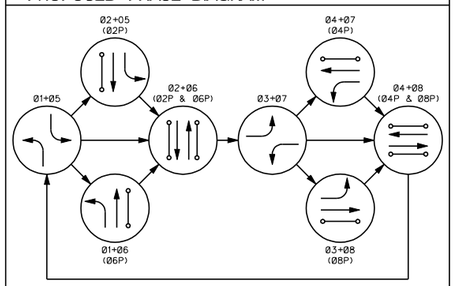
		
SIGN DESIGNATION DIMENSIONS	R3-8 (MOD) 36" x 36"	R3-10 (MOD) 30" x 36"
POLE *	(E)	(A) (E)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	-	Eastern	Ave	-	YES	EXISTING
(C)	-	SAHARA	-	-	YES	EXISTING
(E)	S	Eastern	AVE	2500	YES	NEW
(G)	-	SAHARA	-	-	YES	EXISTING

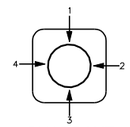
PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
2 INTERCEPT EXISTING CONDUIT(S) AND INSTALL NEW PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
24 REMOVE AND RELOCATE EXISTING SIGNAL HEAD.
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60 REMOVE THE EXISTING PULL BOX.
61 REMOVE AND SALVAGE THE CLOSED CIRCUIT TV CAMERA AND ASSOCIATED EQUIPMENT.
65 INTERCEPT THE EXISTING CONDUIT.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

EASTERN AVE AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-23A

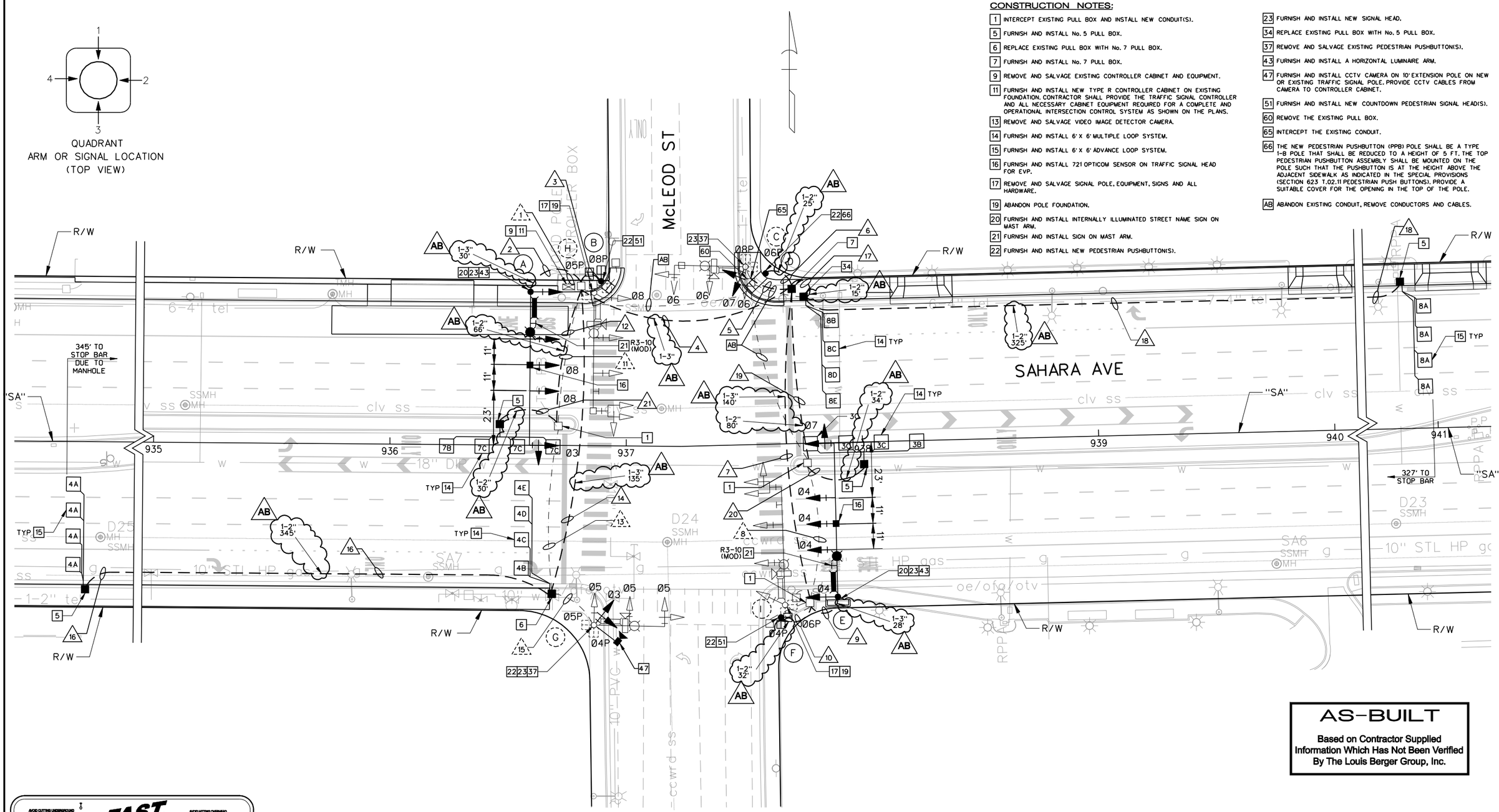
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
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20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
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23 FURNISH AND INSTALL NEW SIGNAL HEAD.
34 REPLACE EXISTING PULL BOX WITH No. 5 PULL BOX.
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43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60 REMOVE THE EXISTING PULL BOX.
65 INTERCEPT THE EXISTING CONDUIT.
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 1.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

20 10 0 20 40
GRAPHIC SCALE

NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. THE AS-BUILT TRAFFIC SIGNAL PLAN DID NOT USE THE NEMA 8 PHASE SYSTEM.

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
McLEOD ST AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-24
Sheet 485 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE / HEIGHT / FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
A	"SA" 936+59.0 64.9' LT	XX-B 30' M (N)	3	65' (N)	3	15' (N)	(4) M-2 (N) B-1T (N)	MA 1	–	–	–	–	–	16 20 21 23 43
B	"SA" 936+88.8 69.6' LT	1-B 7' C (N)	–	–	–	–	–	–	W-2T (N)	TOP	05 08	LT (N) RT (N)	2 3	22 51
(C)	EXISTING	XX 30' (E)	4	30' (E)	4	10' (E)	(2) M-2 (E) B-2T (N)	MA 1	W-3T (E)	1	06 08	RT (E) LT (E)	4 3	37
D	"SA" 937+60.8 72.3' LT	PPB 5' C (N)	–	–	–	–	–	–	–	–	06 08	RT (N) LT (N)	4 3	22 66
E	"SA" 937+88.0 65.3' RT	XX-B 30' M (N)	1	65' (N)	1	15' (N)	(4) M-2 (N) B-1T (N)	MA 3	–	–	–	–	–	16 20 21 23 43
F	"SA" 937+63.7 73.4' RT	1-B 7' C (N)	–	–	–	–	–	–	W-2T (N)	TOP	04 06	RT (N) LT (N)	1 4	22 51
(G)	EXISTING	XX 30' (E)	2	30' (E)	2	10' (E)	M-4 (E) M-2 (E) B-2T (N)	MA MA 4	W-3T (E)	4	04 05	LT (N) RT (N)	1 2	22 23 37 47
(H)	EXISTING	XX-A 30' (E)	3	50' (E)	3	15' (E)	M-5 (E) (2) M-2 (E) B-1T (E)	MA MA 1	W-3T (E)	1	05 08	LT (E) RT (E)	2 3	17 19
(I)	EXISTING	XX-A 30' (E)	1	50' (E)	1	15' (E)	M-5 (E) (2) M-2 (E) B-1T (E)	MA MA 3	W-3T (E)	3	04 06	RT (E) LT (E)	1 4	17 19

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS
RELATED TO SIGNAL POLE INSTALLATION.
(E)=EXISTING EQUIPMENT
(N)=NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE A	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-15 COND No. 14	CONTROLLER	POLE B	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE C	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-15 COND No. 14	CONTROLLER	POLE D	●	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE E	●	–	–	●	–	–	●	–	●	–	–	–	–	–	–	–	–	–	–	–	–
1-15 COND No. 14	CONTROLLER	POLE F	●	–	–	●	–	–	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–
(E)	CONTROLLER	POLE G	E	–	–	–	–	–	–	–	–	–	E	–	E	–	E	–	–	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3B, 3C)	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–
CCTV CAMERA	CONTROLLER	POLE G	●	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–
1-COAXIAL CABLE 3-No. 14 AWG	CONTROLLER	POLE C	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	1	1	2	1	1	1	E	1	1	E	1	E	1	E	1	1	1	1	1	1
PULL ROPE	(NUMBER AS SHOWN)		–	1	1	2	1	1	1	–	1	1	–	1	–	1	–	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	1-3"	1-2"	2-3"	1-3"	1-2"	1-3"	1-3" (E)	1-3"	1-2"	1-3" (E)	1-2"	1-3" (E)	1-3"	(E)	1-2"	1-2"	1-2"	1-3"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

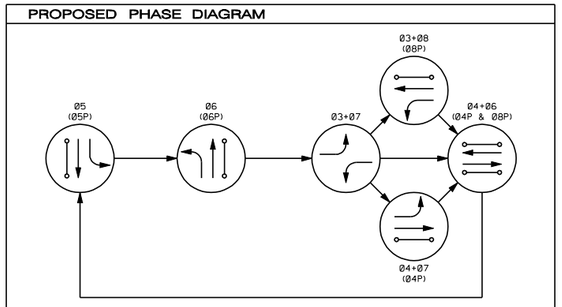
		ONLY
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE *		(A) (E)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
A	S	McLeod	ST	2400	YES	NEW
(C)	–	SAHARA	–	–	YES	EXISTING
E	S	McLeod	ST	2500	YES	NEW
(G)	–	SAHARA	–	–	YES	EXISTING

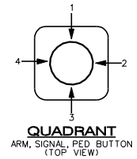
PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED

NOTES:

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2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
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6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
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QUADRANT
ARM, SIGNAL, PED BUTTON (TOP VIEW)

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
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51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60 REMOVE THE EXISTING PULL BOX.
65 INTERCEPT THE EXISTING CONDUIT.
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Avoid cutting underground utility lines. It's costly. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 Freeway and Arterial System of Transportation
Avoid hitting overhead power lines. It's costly. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

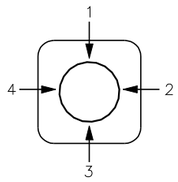
SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL SCHEDULES
McLEOD ST AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

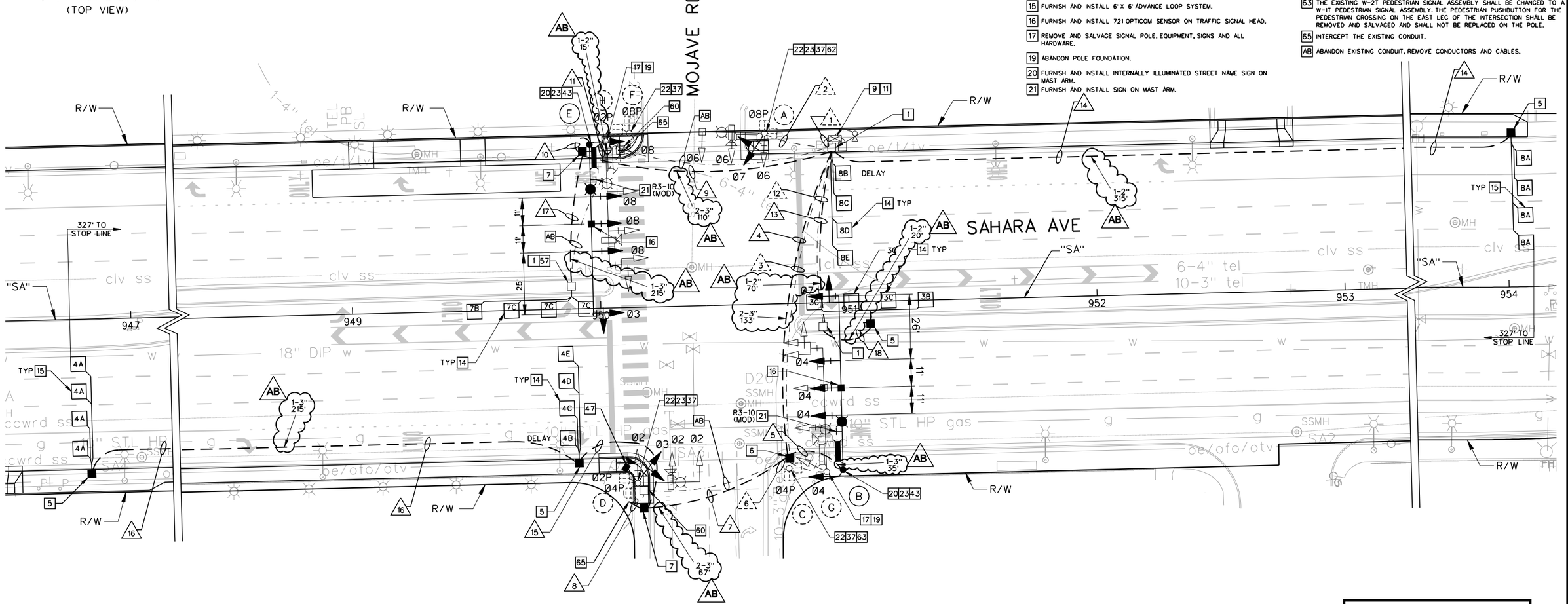
SHEET No. T-24A

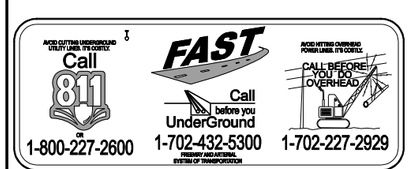


QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
60 REMOVE THE EXISTING PULL BOX.
62 THE PEDESTRIAN SIGNAL HEAD (CLAMSHELL MOUNT) AND THE PEDESTRIAN PUSHBUTTON FOR THE PEDESTRIAN CROSSING ON THE EAST LEG OF THE INTERSECTION SHALL BE REMOVED AND SALVAGED AND SHALL NOT BE REPLACED ON THE POLE.
63 THE EXISTING W-2T PEDESTRIAN SIGNAL ASSEMBLY SHALL BE CHANGED TO A W-1T PEDESTRIAN SIGNAL ASSEMBLY. THE PEDESTRIAN PUSHBUTTON FOR THE PEDESTRIAN CROSSING ON THE EAST LEG OF THE INTERSECTION SHALL BE REMOVED AND SALVAGED AND SHALL NOT BE REPLACED ON THE POLE.
65 INTERCEPT THE EXISTING CONDUIT.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.





AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. AN AS-BUILT TRAFFIC SIGNAL PLAN WAS NOT AVAILABLE FOR THIS INTERSECTION.

20 10 0 20 40
GRAPHIC SCALE

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
MOJAVE RD AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
T-25
Sheet 487 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX 30' (E)	4	25' (E)	4	15' (E)	(2) M-2 (E) 8-2T (N)	MA 2	WCS-1 (E) WCS-1 (E)	1 2	06 08	RT (E) LT (N)	4 3	22 23 37 62
(B)	"SA" 950+96.0 67.5' RT	XX-B 30' M (N)	1	70' (N)	1	15' (N)	(3) M-2 (N) 8-1T (N)	MA 3	–	–	–	–	–	16 20 21 23 43
(C)	EXISTING	1-B 7' (E)	–	–	–	–	–	–	W-1T (N)	TOP	04 06	RT (N) LT (E)	1 4	22 37 63
(D)	EXISTING	XX 30' (E)	2	25' (E)	2	15' (E)	(2) M-2 (E) 8-2T (N)	MA 4	WCS-1 (E) WCS-1 (E)	3 4	02 04	RT (N) LT (N)	2 1	22 23 37
(E)	"SA" 949+97.0 66.0' LT	XX-B 30' M (N)	3	70' (N)	3	15' (N)	(3) M-2 (N) 8-1T (N)	MA 1	–	–	–	–	–	16 20 21 23 43
(F) AB	EXISTING	1-B 7' (E)	–	–	–	–	–	–	W-2T (E)	TOP	02 08	LT (N) RT (N)	2 3	22 37
(G)	EXISTING	XX-A 30' (E)	1	50' (E)	1	15' (E)	M-5 (E) (2) M-2 (E) 8-1T (E)	MA MA 3	–	–	–	–	–	17 19
(H)	EXISTING	XX-A 30' (E)	3	50' (E)	3	15' (E)	M-5 (E) (2) M-2 (E) 8-1T (E)	MA MA 1	–	–	–	–	–	17 19

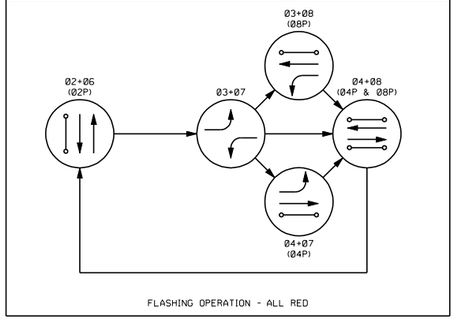
SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

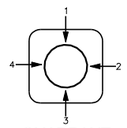
WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
(E)	CONTROLLER	POLE A	E	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE B	●	–	–	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
(E)	CONTROLLER	POLE C	E	–	E	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–
1-25 COND. No. 14 2-No. 10 AWG	CONTROLLER	POLE D	●	–	●	–	–	–	●	●	–	–	–	–	–	–	–	–	–	–
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE E	●	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–
1-15 COND. No. 14	CONTROLLER	POLE F	●	–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3B, 3C)	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	–	–	●	–	–	●	–	–	–	–	–	–	–	●	●	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	–	–	●	–	–	●	–	–	–	–	–	–	–	●	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	●	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	●	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	E	2	1	E	2	1	2	1	1	E	1	1	1	1	1	1
PULL ROPE	(NUMBER AS SHOWN)		–	–	–	2	1	–	2	1	2	1	1	–	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	(E)	2-3"	1-3"	(E)	2-3"	1-3"	2-3"	1-3"	1-2"	(E)	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(AI) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

SIGN SCHEDULE

		ONLY
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE *		(B) (E)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	–	SAHARA	–	–	YES	EXISTING
(B)	S	Mojave	RD	2400	YES	NEW
(D)	–	–	–	–	–	NO EXISTING SIGN
(E)	S	Mojave	RD	2500	YES	NEW

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6'X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6'X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
57 CONNECT NEW LOOP DETECTORS TO EXISTING PULL BOX.
60 REMOVE THE EXISTING PULL BOX.
62 THE PEDESTRIAN SIGNAL HEAD (CLAMSHELL MOUNT) AND THE PEDESTRIAN PUSHBUTTON FOR THE PEDESTRIAN CROSSING ON THE EAST LEG OF THE INTERSECTION SHALL BE REMOVED AND SALVAGED AND SHALL NOT BE REPLACED ON THE POLE.
63 THE EXISTING W-2T PEDESTRIAN SIGNAL ASSEMBLY SHALL BE CHANGED TO A W-1T PEDESTRIAN SIGNAL ASSEMBLY. THE PEDESTRIAN PUSHBUTTON FOR THE PEDESTRIAN CROSSING ON THE EAST LEG OF THE INTERSECTION SHALL BE REMOVED AND SALVAGED AND SHALL NOT BE REPLACED ON THE POLE.
65 INTERCEPT THE EXISTING CONDUIT.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

MOJAVE RD AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

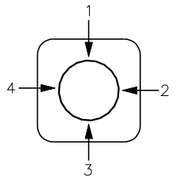
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. T-25A

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9
LOOP LEAD-IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3A, 3B)	–	–	●	–	–	–	●	–	●
LOOP LEAD-IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	–	–	–	●	●	–	–	–
LOOP LEAD-IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	–	–	–	●	–	–	–	–
LOOP LEAD-IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7A, 7B)	–	–	–	●	–	–	–	–	–
LOOP LEAD-IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	–	–	●	–	–	–	●	●	–
LOOP LEAD-IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	–	–	●	–	–	–	●	–	–
1 – No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		3	2	2	1	1	1	1	1	1
PULL ROPE	(NUMBER AS SHOWN)		3	2	2	1	1	1	1	1	1

No. OF CONDUITS – CONDUIT SIZE: 3–2" (SS) · 2–2" (N) · 3–2" (N) · 1–2" (SS) · 1–2" (N) · 1–2" (N) · 1–2" (SS) · 1–2" (N)

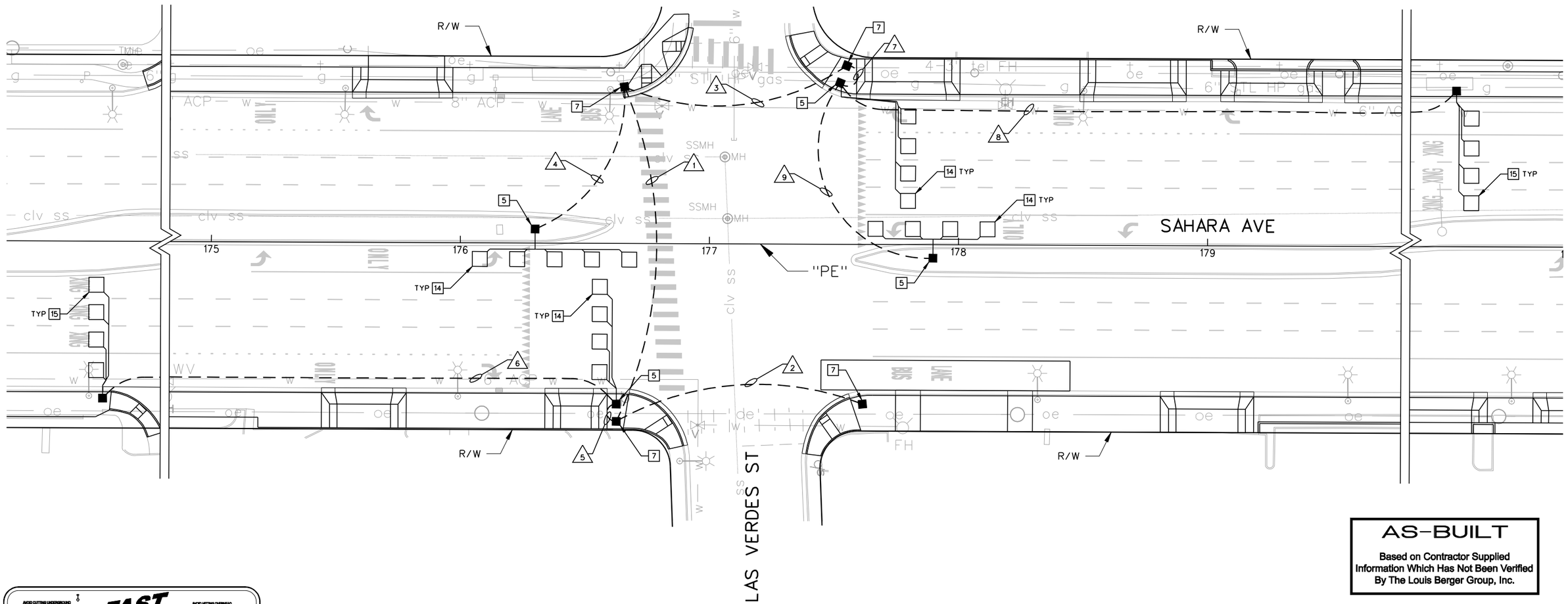
(N) = NEW

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.

CONSTRUCTION NOTES:

5 FURNISH AND INSTALL No. 5 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

20 10 0 20 40
GRAPHIC SCALE

Call 811 or 1-800-227-2600 · FAST Call before you UnderGround 1-702-432-5300 · CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL UNDERGROUNDS
LAS VERDES ST AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 · DRAWN BY: ELC
DESIGNED BY: CAB · CHECKED BY: NLG
APPROVED BY RJP

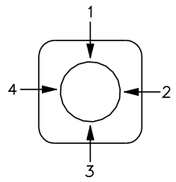
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-26
Sheet 489 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

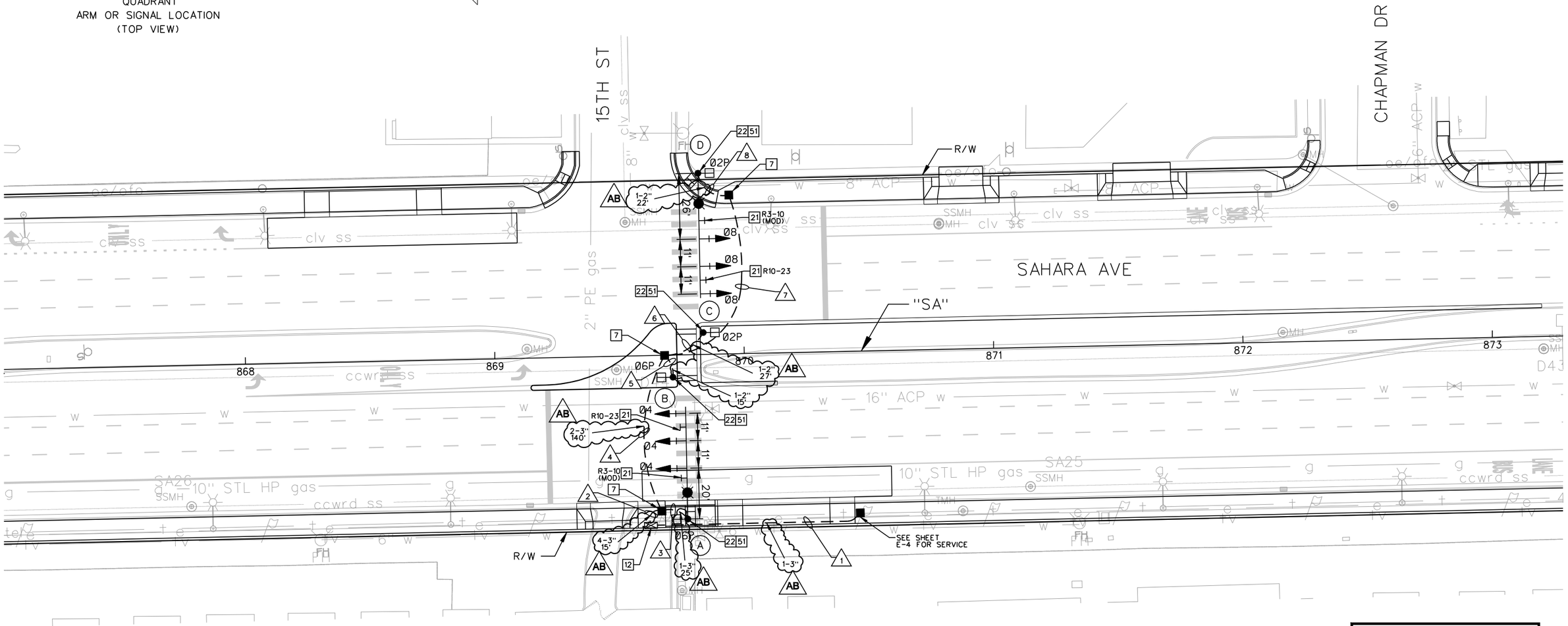
7 FURNISH AND INSTALL No. 7 PULL BOX.

12 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON A NEW FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.

21 FURNISH AND INSTALL SIGN ON MAST ARM.

22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).

51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).



NOTE: SEE SHEET E-4 FOR NEW ELECTRICAL SERVICE CONNECTION

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

20 10 0 20 40
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
HAWK SIGNAL PLAN
PEDESTRIAN CROSSING AT 15TH ST
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: ALB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8832 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-27

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

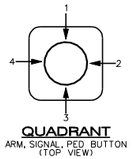
POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
A	"SA" 869+76.0 65.8' RT	XX-A 30' L	1	45' (N)	1	15' (N)	(3) HAWK (N)	MA	–	–	06	LT (N)	4	21 22 51
B	"SA" 869+71.3 8.9' RT	1-B 7' C	–	–	–	–	–	–	–	–	06	LT (N)	2	22 51
C	"SA" 869+83.7 8.8' LT	1-B 7' C	–	–	–	–	–	–	–	–	02	LT (N)	4	22 51
D	"SA" 869+83.0 72.6' LT	XX-A 30' L	3	50' (N)	3	15' (N)	(3) HAWK (N)	MA	–	–	02	RT (N)	4	21 22 51

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(N) = NEW EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8
4-No. 4 COND.	SERVICE PEDESTAL	CONTROLLER	●	–	–	–	–	–	–	–
1-15 COND. No. 14 2-No. 10 COND.	CONTROLLER	POLE A	–	●	●	–	–	–	–	–
1-15 COND. No. 14	CONTROLLER	POLE B	–	●	–	●	●	–	–	–
1-15 COND. No. 14	CONTROLLER	POLE C	–	●	–	●	–	●	–	–
1-15 COND. No. 14 2-No. 10 COND.	CONTROLLER	POLE D	–	●	–	●	–	–	●	●
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		1	4	1	2	1	1	2	1
PULL ROPE	NUMBER AS SHOWN		1	4	1	2	1	1	2	1
No. OF CONDUITS - CONDUIT SIZE			1-3"	4-3"	1-3"	2-3"	1-3"	2-3"	2-3"	



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

SIGN SCHEDULE

	CROSSWALK STOP ON RED	ONLY
SIGN DESIGNATION DIMENSIONS	R10-23 36" X 36"	R3-10 (MOD) 30" x 36"
POLE *	(A) (D)	(A) (D)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

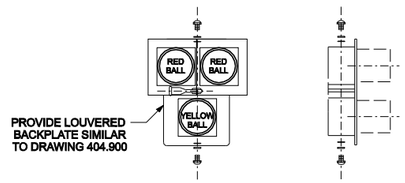
7 FURNISH AND INSTALL No. 7 PULL BOX.

12 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON A NEW FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.

21 FURNISH AND INSTALL SIGN ON MAST ARM.

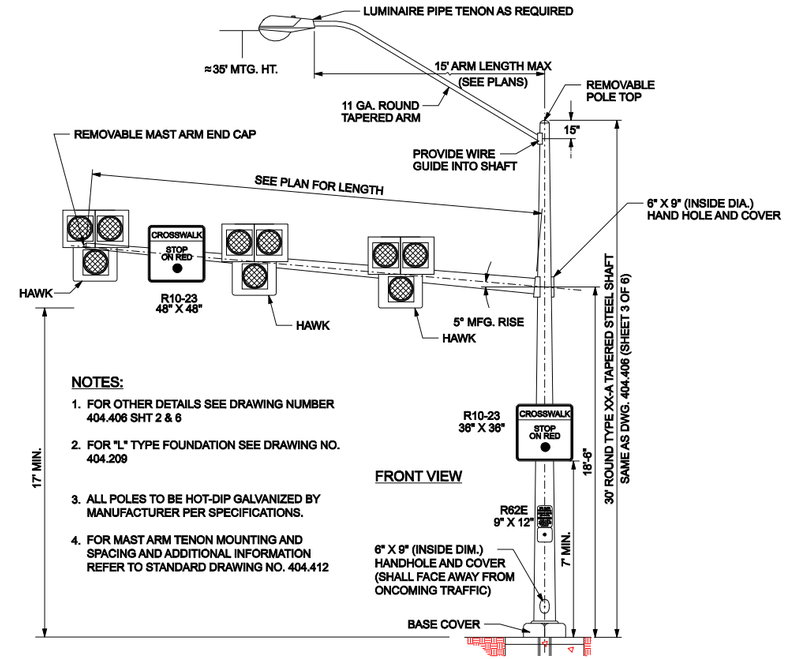
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).

51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).



NOTES:

1. ALL INDICATIONS ARE 12" NOMINAL.
2. CIRCULAR VISORS TO BE INSTALLED ON ALL HEADS.



HAWK SIGNAL

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 — Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

HAWK SCHEDULES

PEDESTRIAN CROSSING AT 15TH STREET

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

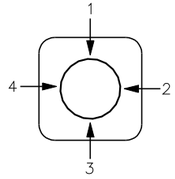
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. T-27A

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

5 FURNISH AND INSTALL No. 5 PULL BOX.

6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.

9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.

11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.

13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.

14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.

15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.

16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.

21 FURNISH AND INSTALL SIGN ON MAST ARM.

22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).

23 FURNISH AND INSTALL NEW SIGNAL HEAD.

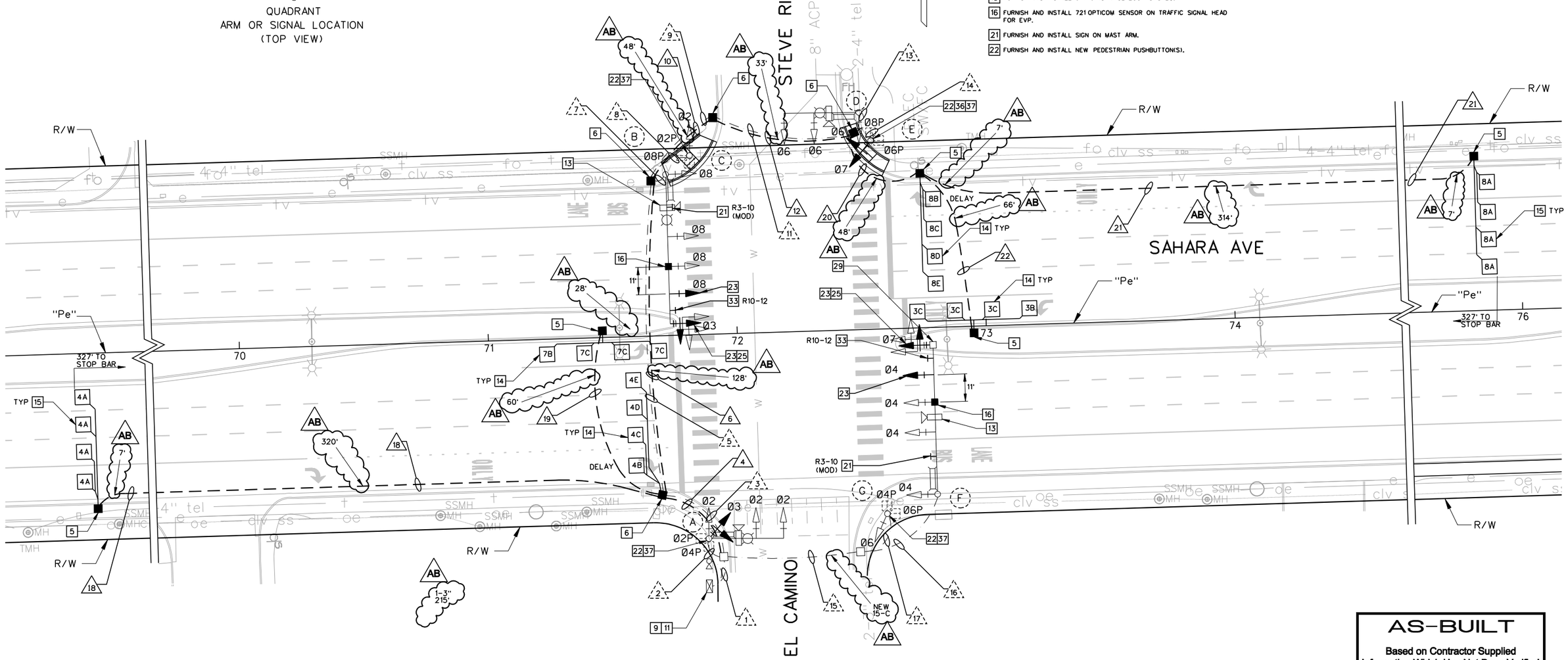
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.

29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.

33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.

36 REMOVE AND SALVAGE THE EXISTING A-16T SIGNAL ASSEMBLY AND REPLACE WITH A NEW A-8T SIGNAL ASSEMBLY WITH ALL ARROW INDICATIONS.

37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. THE AS-BUILT TRAFFIC SIGNAL PLAN WAS NOT AVAILABLE FOR THIS INTERSECTION.

20 10 0 20 40
GRAPHIC SCALE

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
EL CAMINO/STEVE RIGAZIO AT SAHARA AVENUE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-28
Sheet 492 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX 30' (E)	2	30' (E)	2	15' (E)	(2) M-2 (E) B-2T (N)	MA 4	W-3T (E)	3	02 04	RT (N) LT (N)	2 1	22 37
(B)	EXISTING	XX-A 30' (E)	3	60' (E)	3	15' (E)	(2) M-2 (N) (2) M-2 (E) B-1T (E)	MA MA 1	-	-	-	-	-	13 16 21 23 25 33
(C)	EXISTING	1-A 10' (E)	-	-	-	-	A-2T (E)	TOP	W-3T (E)	4	02 08	LT (N) RT (N)	2 3	22 37
(D)	EXISTING	XX 30' (E) 1-A 10' (E)	4	30' (E)	4	15' (E)	(2) M-2 (E) B-1T (E)	MA 2	-	-	-	-	-	
(E)	EXISTING	1-A 10' (E)	-	-	-	-	A-8T (N)	TOP	W-3T (E)	1	06 08	RT (N) LT (N)	4 3	22 36 37
(F)	EXISTING	XX-A 20' (E)	1	60' (E)	-	-	(2) M-2 (N) (2) M-2 (E) B-1T (E)	MA MA 3	-	-	-	-	-	13 16 21 23 25 33
(G)	EXISTING	1-A 10' (E)	-	-	-	-	A-2T (E)	TOP	W-3T (E)	2	04 06	RT (N) LT (N)	1 4	22 37

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.

(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT
(R) = RELOCATED EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
(E)	CONTROLLER	POLE A	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE B	E	-	E	-	E	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE C	E	-	E	-	E	-	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE D	E	-	E	-	E	-	-	-	E	-	E	-	E	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE E	E	-	E	-	E	-	-	-	E	-	E	-	-	E	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE F	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E	E	-	-	-	-	-	-
(E)	CONTROLLER	POLE G	E	-	-	-	-	-	-	-	-	-	-	-	-	-	E	-	E	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3B, 3C)	●	-	-	●	-	●	-	-	-	●	-	●	-	-	-	-	-	-	●	-	●	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	-	-	●	-	●	-	-	-	●	-	●	-	-	-	-	-	-	-	●	●	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	-	-	●	-	●	-	-	-	●	-	●	-	-	-	-	-	-	-	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	-	-	●	-	●	-	-	-	●	-	●	-	-	-	-	-	-	-	●	-	-
1-OPTICOM CABLE	CONTROLLER	POLE B	●	-	-	●	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	E	1	E	1	E	E	E	1	E	1	E	E	E	E	E	1	1	1	1	1
PULL ROPE	NUMBER AS SHOWN		-	-	-	1	-	1	-	-	-	1	-	1	-	-	-	-	-	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	(E) 1-3"	2-3" (E) 1-2" (E)	1-3" (E)	(E)	(E)	(E)	1-3"	1-3" (E)	1-3"	(E)	1-3" (E)	(E)	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

			
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"	R10-12 30" x 36"
POLE *		(A) (F)	(A) (F)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	-	SAHARA	-	-	YES	EXISTING
(B)	-	STEVE RIGAZIO	CT	-	YES	EXISTING
(D)	-	SAHARA	-	-	YES	EXISTING
(F)	-	EL CAMINO	-	-	YES	EXISTING

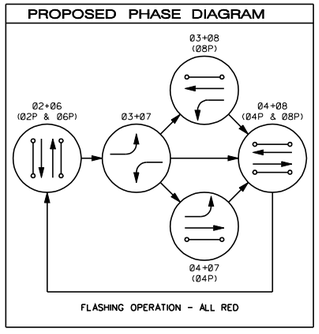
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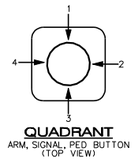
CONSTRUCTION NOTES:

5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
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14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
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29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
36 REMOVE AND SALVAGE THE EXISTING A-16T SIGNAL ASSEMBLY AND REPLACE WITH A NEW A-8T SIGNAL ASSEMBLY WITH ALL ARROW INDICATIONS.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).

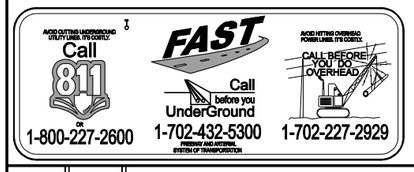
PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

EL CAMINO / STEVE RIGAZIO AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ELC
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

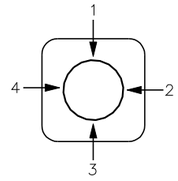
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. T-28A
Sheet 493 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

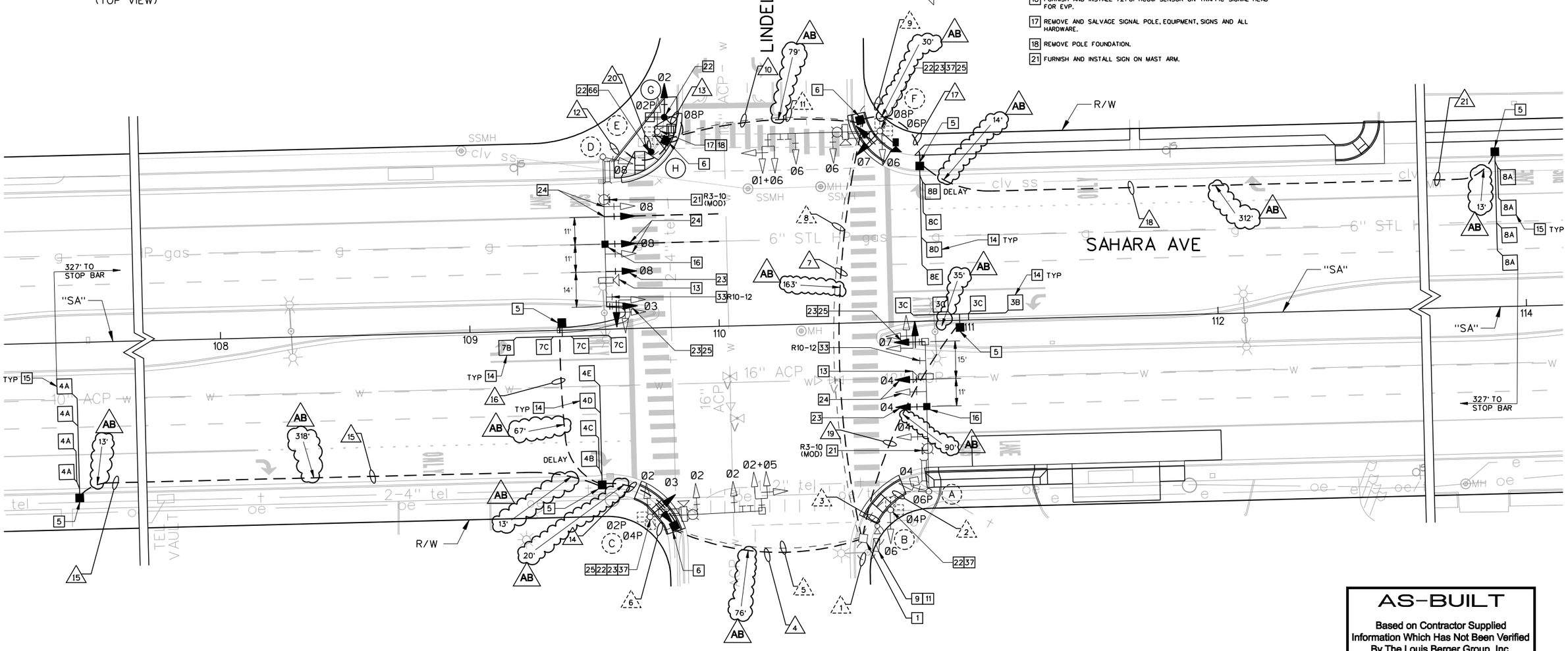
AS - BUILT - 05.31.2012



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1. INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5. FURNISH AND INSTALL No. 5 PULL BOX.
6. REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11. FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13. REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14. FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15. FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16. FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17. REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18. REMOVE POLE FOUNDATION.
21. FURNISH AND INSTALL SIGN ON MAST ARM.
22. FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23. FURNISH AND INSTALL NEW SIGNAL HEAD.
24. REMOVE AND RELOCATE EXISTING SIGNAL HEAD.
25. REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
33. REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
37. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
66. THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623.1.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN IS PER THE AS-BUILT TRAFFIC SIGNAL PLAN.

20 10 0 20 40
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
LINDELL ROAD AT SAHARA AVENUE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	ELC
DESIGNED BY:	CAB	CHECKED BY:	NLG
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
T-29
Sheet 494 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

POLE SCHEDULE

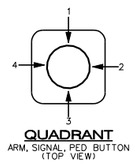
POLE	LOCATION STATION & OFFSET	TYPE HEIGHT FOUND.	POLE: SIGNAL ARM QUAD	POLE: SIGNAL ARM LENGTH	POLE: LUMINAIRE ARM QUAD	POLE: LUMINAIRE ARM LENGTH	SIGNALS: VEHICLE TYPE	SIGNALS: VEHICLE QUAD	SIGNALS: PEDESTRIAN TYPE	SIGNALS: PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON: PHASE	PEDESTRIAN PUSH BUTTON: ARROW	PEDESTRIAN PUSH BUTTON: QUAD	REMARKS
(A)	EXISTING	XX-A 30' (E)	1	60' (E)	1	15' (E)	(2) M-2 (N) M-2 (R) M-2 (E) B-1T (E)	MA MA MA 3	-	-	-	-	-	13 16 21 23 24 25 33
(B)	EXISTING	1-A 10' (E)	-	-	-	-	A-2T (E)	TOP	W-3T (E)	2	04 06	RT (N) LT (N)	1 4	22 37
(C)	EXISTING	XX 30' (E)	2	45' (E)	2	15' (E)	M-5 (E) (2) M-2 (E) B-2T (N)	MA MA 4	W-3T (E)	4	02 04	RT (N) LT (N)	2 1	22 35 37 25
(D)	EXISTING	30' (E)	3	60' (E)	3	15' (E)	(2) M-2 (N) (2) M-2 (R) B-1T (E)	MA MA 1	-	-	-	-	-	13 16 21 23 24 25 33
(E)	EXISTING	1-A 10' (E)	-	-	-	-	A-2T (E)	TOP	W-3T (E)	4	02 08	LT (E) RT (E)	2 3	17 18
(F)	EXISTING	XX 30' (E)	4	45' (E)	4	15' (E)	M-5 (E) (2) M-2 (E) B-2T (N)	MA MA 2	W-3T (E)	2	06 08	RT (N) LT (N)	4 3	22 37 25
(G)	189+80.0 84.3' LT	1-A 10' (E)	-	-	-	-	A-2T (N)	TOP	W-3T (N)	4	08	RT (N)	3	22
(H)	189+74.4 70.6' LT	PPB C	-	-	-	-	-	-	-	-	02	RT (N)	4	22 66

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E)=EXISTING EQUIPMENT
(N)=NEW EQUIPMENT
(R)=RELOCATED EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
(E) 1 OPTICOM	CONTROLLER	POLE A	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE B	E	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE C	E	-	-	-	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E) 1 OPTICOM	CONTROLLER	POLE D	●	-	-	-	-	●	E	-	●	E	●	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE E	E	-	-	-	-	-	E	-	-	E	-	E	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE F	E	-	-	-	-	-	-	E	E	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14	CONTROLLER	POLE G	●	-	-	-	-	●	-	-	●	-	-	●	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE H	●	-	-	-	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3B, 3C)	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	-	-	●	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	-	-	●	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	●	-	-	●	-	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	●	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	●	-	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	E	2	E	E	2	E	E	2	E	E	E	1	1	1	1	1	1	1
PULL ROPE	NUMBER AS SHOWN		-	-	-	2	-	-	2	-	-	2	-	-	-	1	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	(E)	2-3"	(E)	(E)	2-3"	(E)	(E)	2-3"	(E)	(E)	1-3"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS



QUADRANT
ARM, SIGNAL, PED. BUTTON
(TOP VIEW)

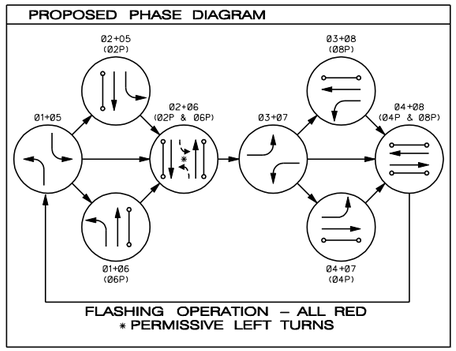
SIGN SCHEDULE

		ONLY	LEFT TURN YIELD ON GREEN
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"	R10-12 30" x 36"
POLE *		(A) (D)	(A) (D)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	-	LINDELL	-	-	YES	EXISTING
(B)	-	SAHARA	CT	-	YES	EXISTING
(D)	-	LINDELL	-	-	YES	EXISTING
(F)	-	SAHARA	-	-	YES	EXISTING

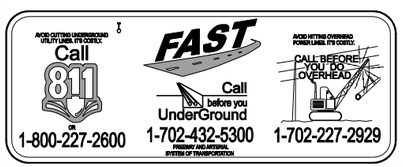


NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
24 REMOVE AND RELOCATE EXISTING SIGNAL HEAD.
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

LINDELL ROAD AT SAHARA AVENUE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

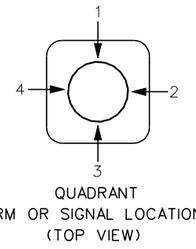
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-29A

Sheet 495 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

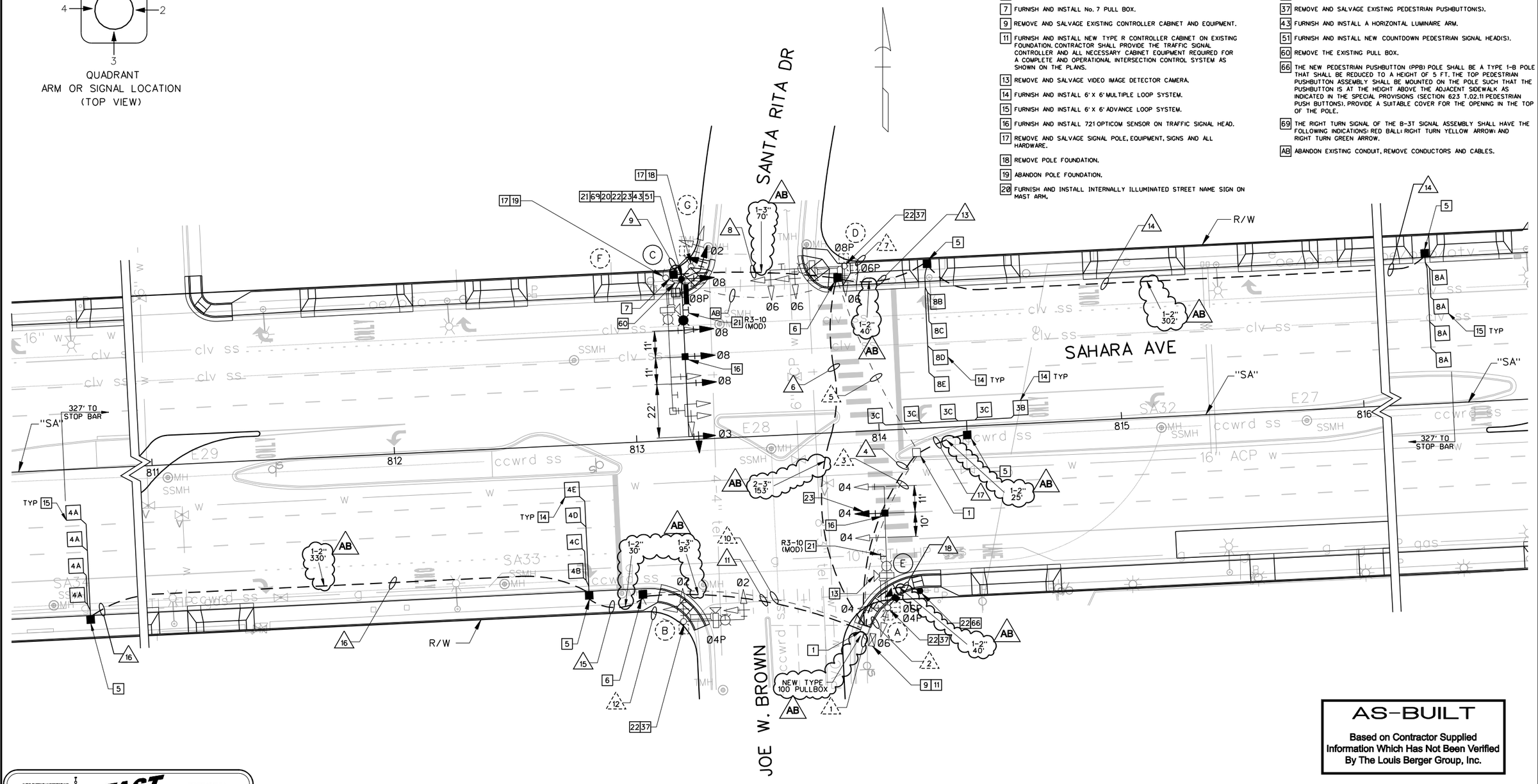
AS - BUILT - 05.31.2012



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1. INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5. FURNISH AND INSTALL No. 5 PULL BOX.
6. REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7. FURNISH AND INSTALL No. 7 PULL BOX.
9. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11. FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13. REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14. FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15. FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16. FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD.
17. REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18. REMOVE POLE FOUNDATION.
19. ABANDON POLE FOUNDATION.
20. FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21. FURNISH AND INSTALL SIGN ON MAST ARM.
22. FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23. FURNISH AND INSTALL NEW SIGNAL HEAD.
37. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
43. FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
51. FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60. REMOVE THE EXISTING PULL BOX.
66. THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
69. THE RIGHT TURN SIGNAL OF THE B-3T SIGNAL ASSEMBLY SHALL HAVE THE FOLLOWING INDICATIONS: RED BALL; RIGHT TURN YELLOW ARROW; AND RIGHT TURN GREEN ARROW.
AB. ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. AN AS-BUILT TRAFFIC SIGNAL PLAN WAS NOT AVAILABLE FOR THIS INTERSECTION.

20 10 0 20 40
GRAPHIC SCALE

Call 811 or 1-800-227-2600 — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
JOE W. BROWN/SANTA RITA DRIVE AT SAHARA AVENUE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: ALB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-30
Sheet 496 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX 30' (E)	1	50' (E)	1	15' (E)	M-2 (N) (2) M-2 (E) B-7T (E)	MA MA 3	W-3T (E)	3	Ø4 Ø6	RT (N) LT (E)	1 4	22 23 37 16
(B)	EXISTING	XX 30' (E)	2	25' (E)	2	15' (E)	M-2 (E) B-11 (E)	MA 4	W-OT (E)	4	Ø4	LT (N)	1	22 37
(C)	"SA" 813+21.6 66.2' LT	XX-B 30' M (N)	3	65' (N)	3	15' (N)	(4) M-2 (N) B-3T (N)	MA 1	W-OT (N)	1	Ø8	RT (N)	3	16 20 21 22 23 43 51 69
(D)	EXISTING	XX 30' (E)	4	30' (E)	4	15' (E)	(2) M-2 (E) B-11 (E)	MA 2	W-3T (E)	2	Ø6 Ø8	RT (N) LT (N)	4 3	22 37
(E)	"SA" 814+13.6 66.8' RT	PPB 5' C (N)	-	-	-	-	-	-	-	-	Ø6	LT (N)	4	22 66
(F)	EXISTING	XX-A 30' (E)	3	55' (E)	3	15' (E)	M-5 (E) (2) M-2 (E) B-11 (E)	MA MA 1	-	-	-	-	-	17 19
(G)	EXISTING	1-A 10' (E)	-	-	-	-	A-2T (E)	TOP	W-OT (E)	4	Ø8	RT (E)	3	17 18

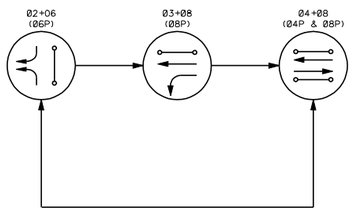
SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E)=EXISTING EQUIPMENT
(N)=NEW EQUIPMENT
(R)=RELOCATED EQUIPMENT

CONDUIT AND WIRE SCHEDULE

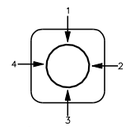
WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
(E)	CONTROLLER	POLE A	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE B	E	-	-	-	-	-	-	-	-	E	-	E	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE C	●	-	-	-	-	●	-	●	●	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE D	E	-	E	-	E	-	E	-	-	-	-	-	-	-	-	-	-	-
1-15 COND. No. 14	CONTROLLER	POLE E	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3B, 3C)	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	●	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	-	-	-	-	-	-	-	-	-	●	-	-	-	●	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	-	-	-	-	-	-	-	-	-	●	-	-	-	●	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	-	-	-	-	●	-	-	-	-	-	-	●	●	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	-	-	-	-	●	-	-	-	-	-	-	●	-	-	-	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	E	1	E	2	E	2	1	E	1	E	1	1	1	1	1	1
PULL ROPE	(NUMBER AS SHOWN)		-	-	-	1	-	2	-	2	1	-	1	-	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	2-3" (E)	1-2"	2-3" (E)	(E)	2-3"	1-3"	1-2" (E)	1-3" (E)	(E)	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

PROPOSED PHASE DIAGRAM



FLASHING OPERATION – ALL RED



QUADRANT
ARM, SIGNAL, PED. BUTTON
(TOP VIEW)

SIGN SCHEDULE

		ONLY
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE *		(A)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	-	Joe W Brown	-	-	YES	EXISTING
(B)	-	SAHARA	-	-	YES	EXISTING
(C)	S	Santa Rita	DR	2300	YES	NEW
(D)	-	SAHARA	-	-	YES	EXISTING

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60 REMOVE THE EXISTING PULL BOX.
66 THE NEW PEDESTRIAN PUSHBUTTON (PPB) POLE SHALL BE A TYPE 1-B POLE THAT SHALL BE REDUCED TO A HEIGHT OF 5 FT. THE TOP PEDESTRIAN PUSHBUTTON ASSEMBLY SHALL BE MOUNTED ON THE POLE SUCH THAT THE PUSHBUTTON IS AT THE HEIGHT ABOVE THE ADJACENT SIDEWALK AS INDICATED IN THE SPECIAL PROVISIONS (SECTION 623 T.02.11 PEDESTRIAN PUSH BUTTONS). PROVIDE A SUITABLE COVER FOR THE OPENING IN THE TOP OF THE POLE.
69 THE RIGHT TURN SIGNAL OF THE B-3T SIGNAL ASSEMBLY SHALL HAVE THE FOLLOWING INDICATIONS: RED BALL: RIGHT TURN YELLOW ARROW: AND RIGHT TURN GREEN ARROW.
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 — Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL SCHEDULES
JOE W. BROWN/SANTA RITA DRIVE AT SAHARA AVENUE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

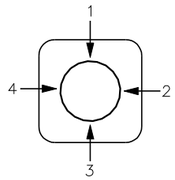
PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. T-30A
Sheet 497 of 592

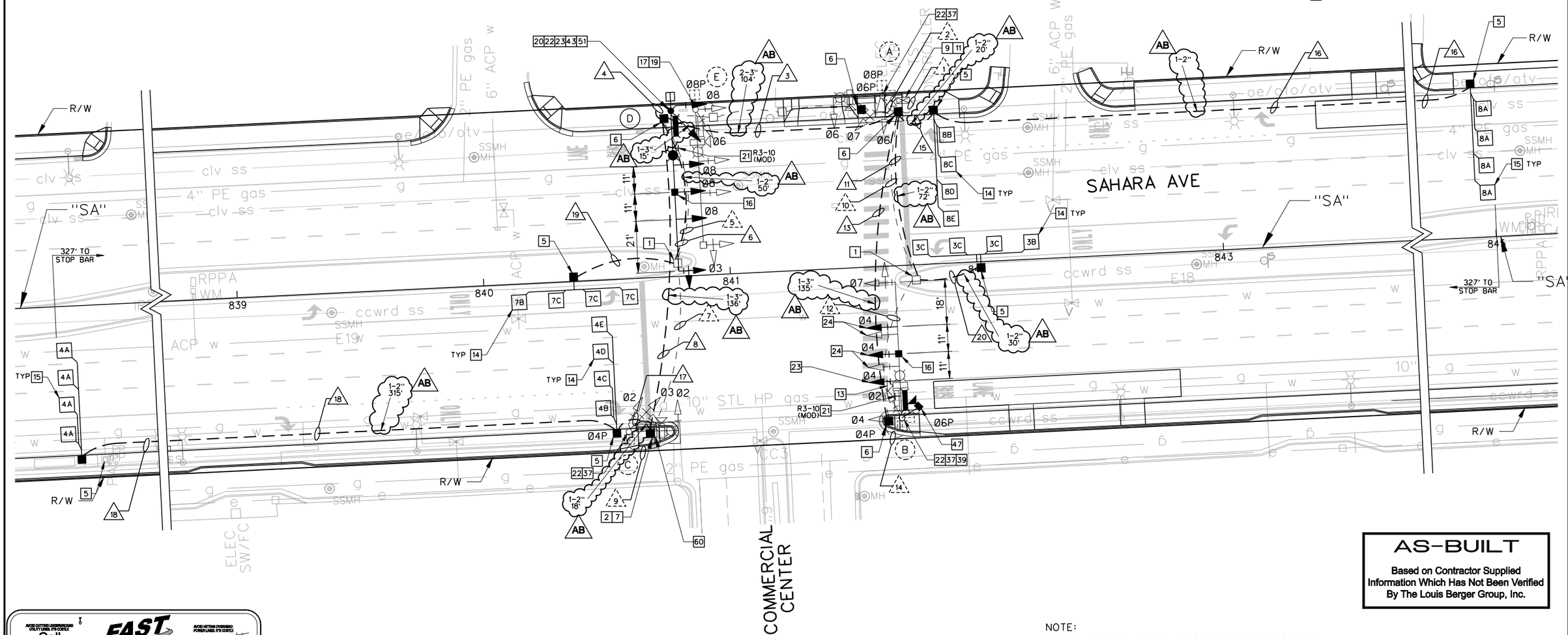
AS - BUILT - 05.31.2012
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1. INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
2. INTERCEPT EXISTING CONDUIT(S) AND INSTALL NEW PULL BOX.
5. FURNISH AND INSTALL No. 5 PULL BOX.
6. REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7. FURNISH AND INSTALL No. 7 PULL BOX.
9. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11. FURNISH AND INSTALL TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13. REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14. FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15. FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16. FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17. REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
19. ABANDON POLE FOUNDATION.
20. FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21. FURNISH AND INSTALL SIGN ON MAST ARM.
22. FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23. FURNISH AND INSTALL NEW SIGNAL HEAD.
24. REMOVE AND RELOCATE EXISTING SIGNAL HEAD.
37. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
39. REMOVE AND SALVAGE THE EXISTING INTERNALLY ILLUMINATED STREET NAME SIGN. FURNISH AND INSTALL AN ALTERNATIVE POLE MOUNTED STREET NAME SIGN INTERNALLY ILLUMINATED IN ACCORDANCE WITH THE CLARK COUNTY AREA UNIFORM STANDARD DRAWING NO. 404.417A.
43. FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
47. FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51. FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60. REMOVE THE EXISTING PULL BOX.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN MAY BE DIFFERENT THAN THE ACTUAL TRAFFIC SIGNAL PHASING. THE AS-BUILT TRAFFIC SIGNAL PLAN DID NOT USE THE NEMA 8 PHASE SYSTEM.

20 10 0 20 40
GRAPHIC SCALE

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
COMMERCIAL CENTER AT SAHARA AVENUE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: ALB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-31
Sheet 498 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	TYPE HEIGHT FOUND.	POLE: SIGNAL ARM QUAD	POLE: SIGNAL ARM LENGTH	POLE: LUMINAIRE ARM QUAD	POLE: LUMINAIRE ARM LENGTH	SIGNALS: VEHICLE TYPE	SIGNALS: VEHICLE QUAD	SIGNALS: PEDESTRIAN TYPE	SIGNALS: PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON: PHASE	PEDESTRIAN PUSH BUTTON: ARROW	PEDESTRIAN PUSH BUTTON: QUAD	REMARKS
(A)	EXISTING	XX 30' (E)	4	20' (E)	4	15' (E)	M-2 (E) B-2T (E)	MA 2	W-3T (E)	2	06 08	RT (N) LT (N)	4 3	22 37
(B)	EXISTING	XX-A 30' (E)	1	55' (E)	1	15' (E)	M-2 (E) (2) M-2 (R) M-2 (N) B-7T (E)	MA MA MA 3	W-3T (E)	3	04 06	RT (N) LT (N)	1 4	16 21 22 23 24 37 39
(C)	EXISTING	XX 30' (E)	2	20' (E)	2	15' (E)	M-2 (E) B-2T (E)	MA 3	W-OT (E)	3	04	LT (N)	1	22 37
(D)	"SA" 840+79.1 67.1' LT	XX-B 30' M (N)	3	65' (N)	3	15' (N)	(4) M-2 (N) B-7T (N)	MA 1	W-OT (N)	1	08	RT (N)	3	16 20 21 22 23 43 51
(E)	EXISTING	XX-A 30' (E)	3	55' (E)	3	15' (E)	(3) M-2 (E) B-2T (E)	MA 1	W-OT (E)	1	08	RT (N)	3	17 19

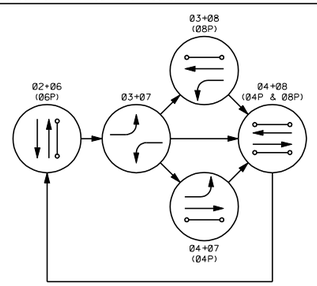
SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E)=EXISTING EQUIPMENT
(N)=NEW EQUIPMENT
(R)=RELOCATED EQUIPMENT

CONDUIT AND WIRE SCHEDULE

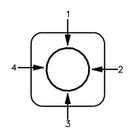
WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
(E)	CONTROLLER	POLE A	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE B	E	-	-	-	-	-	-	-	-	E	-	E	-	E	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG	CONTROLLER	POLE C	●	-	●	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE D	●	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3B, 3C)	●	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	-	●	-	-	-	-	●	-	-	-	-	-	-	-	-	●	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	-	●	-	-	-	-	●	-	-	-	-	-	-	-	-	●	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	●	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	●	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
1 OPTICOM CABLE	CONTROLLER	POLE B	●	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-
CCTV CAMERA	CONTROLLER	POLE B	●	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	2	1	E	1	E	1	E	E	1	E	1	E	1	1	1	1	1	1
PULL ROPE	(NUMBER AS SHOWN)		-	-	2	1	-	1	-	1	-	-	1	-	1	-	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	2-3"	1-3"	1-2" (E)	1-3"	1-2" (E)	1-3"	(E)	1-3" (E)	1-3" (E)	1-3" (E)	1-3"	(E)	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

PROPOSED PHASE DIAGRAM



FLASHING OPERATION – ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

SIGN SCHEDULE

		
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE ✱		(B) (D)

✱ - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	-	SAHARA	-	-	-	EXISTING
(B)	-	Commercial Ctr	-	-	YES	NEW
(C)	-	SAHARA	-	-	YES	EXISTING
(D)	-	Commercial Ctr	-	-	YES	NEW

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
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9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
2 INTERCEPT EXISTING CONDUIT(S) AND INSTALL NEW PULL BOX.
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
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16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
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20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
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24 REMOVE AND RELOCATE EXISTING SIGNAL HEAD.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
39 REMOVE AND SALVAGE THE EXISTING INTERNALLY ILLUMINATED STREET NAME SIGN. FURNISH AND INSTALL AN ALTERNATIVE POLE MOUNTED STREET NAME SIGN INTERNALLY ILLUMINATED IN ACCORDANCE WITH THE CLARK COUNTY AREA UNIFORM STANDARD DRAWING NO. 404.417A.
43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
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51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
60 REMOVE THE EXISTING PULL BOX.

AVOID CUTTING UNDERGROUND UTILITY LINES, RTA CONTACT
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES, RTA CONTACT
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

COMMERCIAL CENTER AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-31A

Sheet 499 of 592

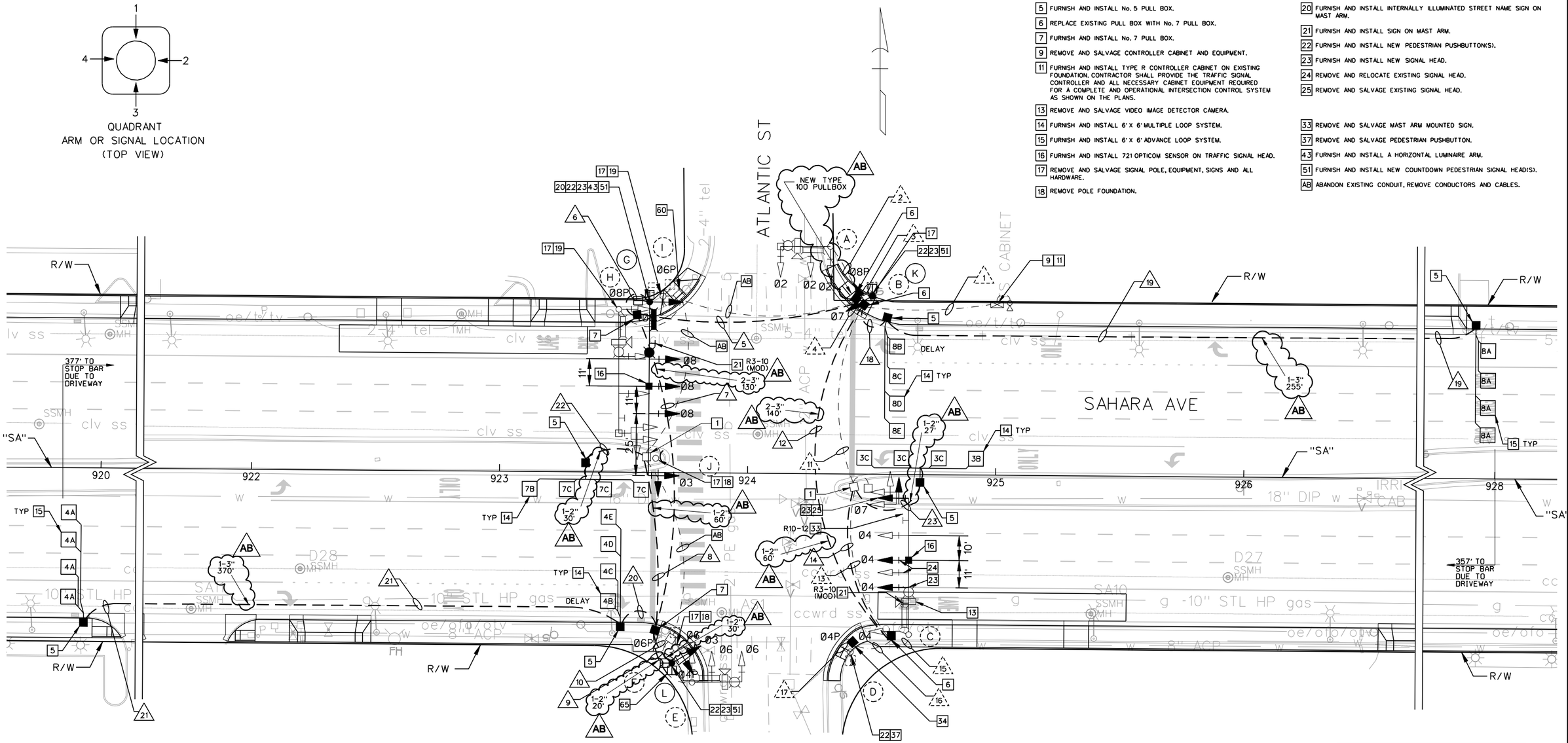
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
24 REMOVE AND RELOCATE EXISTING SIGNAL HEAD.
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
37 REMOVE AND SALVAGE PEDESTRIAN PUSHBUTTON.
43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

20 10 0 20 40
GRAPHIC SCALE

NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN IS PER THE AS-BUILT TRAFFIC SIGNAL PLAN.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
ATLANTIC ST AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: ALB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-32
Sheet 500 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PUSH BUTTON ARROW	PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX 30' (E)	4	20' (E)	4	15' (E)	(2) M-2 (E) B-2T (N)	MA 2	-	-	-	-	-	23
(B)	EXISTING	1-B 7' (E)	-	-	-	-	-	-	W-1 (E)	TOP	08	LT (N)	3	22 37
(C)	EXISTING	XX 30' (E)	1	55' (E)	1	15' (E)	(2) M-2 (N) (2) M-2 (E) B-1T (E)	MA MA 3	-	-	-	-	-	13 16 21 24 25 33 23
(D)	EXISTING	1-B 7' (E)	-	-	-	-	-	-	W-1 (E)	TOP	04	RT (N)	1	22 37
(E)	EXISTING	XX 30' (E)	2	20' (E)	2	15' (E)	(2) M-2 (E) B-2T (N)	MA 4	-	-	-	-	-	23
(F)	EXISTING	1-B 7' (E)	-	-	-	-	-	-	W-2T (E)	TOP	04 06	LT (N) RT (N)	1 2	22 37
(G)	"SA" 923+ LT	XX-B 30' M (N)	3	70' (N)	3	15' (N)	(4) M-2 (N) B-1T (N)	MA 1	W-3T (N)	1	06 08	LT (N) RT (N)	2 3	16 20 21 22 23 43 51
(H)	EXISTING	XX-A 30' (E)	3	50' (E)	3	15' (E)	M-5 (E) (2) M-2 (E) B-1T (E)	MA MA 1	-	-	-	-	-	17 19
(I)	EXISTING	1-B 7' (E)	-	-	-	-	-	-	W-2T (E)	TOP	06 08	LT (E) RT (E)	2 3	17 19
(J)	EXISTING	PPB 3.5' (E)	-	-	-	-	-	-	-	-	06	LT/RT (E)	2	17 18
(K)	"SA" 924+49.8 72.2' LT	1-A 10' (E)	-	-	-	-	A-2T (N)	TOP	W-0T (N)	2	08	LT (N)	3	22 23 37 51
(L)	"SA" 923+69.9 76.7' RT	1-A 10' C (N)	-	-	-	-	A-2T (N)	TOP	W-3T (N)	4	04 06	LT (N) RT (N)	3 4	22 23 37 51

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT
(R) = RELOCATED EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
(E)	CONTROLLER	POLE A	E	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE K	E	-	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE C	E	-	-	-	-	-	-	-	-	-	E	-	E	-	E	-	-	-	-	-	-	-	-
(E)	CONTROLLER	POLE D	E	-	-	-	-	-	-	-	-	-	E	-	E	-	-	E	E	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 COAXIAL CABLE 3-No. 14 AWG	CONTROLLER	POLE E	●	-	-	●	●	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-15 COND No. 14	CONTROLLER	POLE L	●	-	-	●	●	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-
1-25 COND. No. 14 2-No. 10 AWG 1 OPTICOM CABLE	CONTROLLER	POLE G	●	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3A, 3B, 3C)	●	-	-	-	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	-	-	-	●
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	-	-	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	-	-	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7A, 7B, 7C)	●	-	-	●	●	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
1 OPTICOM CABLE	CONTROLLER	POLE C	●	-	-	-	-	-	-	-	-	-	-	●	-	●	●	-	-	-	-	-	-	-	-
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	E	E	3	1	2	2	1	1	E	2	E	1	E	E	E	1	1	1	1	1	1
PULL ROPE	NUMBER AS SHOWN		-	-	-	-	3	1	2	2	1	1	-	2	-	1	-	-	-	1	1	1	1	1	1
No. OF CONDUITS - CONDUIT SIZE			(E) 1-3"	(E) 1-3"	(E) 1-3"	(E) 3-3"	1-3"	2-3"	2-3"	1-3"	1-2"	2-3" (E)	2-3"	2-3" (E)	1-3"	(E) 1-2"	(E) 1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"	1-2"

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

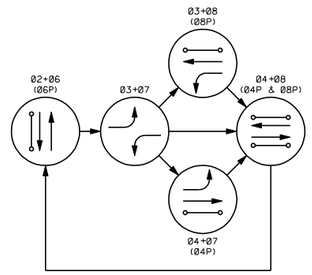
		
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE *		(C) (G)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	-	SAHARA	-	-	YES	EXISTING
(C)	-	ATLANTIC	-	-	YES	EXISTING
(E)	-	SAHARA	-	-	YES	EXISTING
(G)	S	Atlantic	ST	2400	YES	NEW

PROPOSED PHASE DIAGRAM



FLASHING OPERATION - ALL RED

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6'X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6'X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD.
17 REMOVE AND SALVAGE SIGNAL POLE, EQUIPMENT, SIGNS AND ALL HARDWARE.
18 REMOVE POLE FOUNDATION.
19 ABANDON POLE FOUNDATION.
20 FURNISH AND INSTALL INTERNALLY ILLUMINATED STREET NAME SIGN ON MAST ARM.
21 FURNISH AND INSTALL SIGN ON MAST ARM.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
23 FURNISH AND INSTALL NEW SIGNAL HEAD.
24 REMOVE AND RELOCATE EXISTING SIGNAL HEAD.
25 REMOVE AND SALVAGE EXISTING SIGNAL HEAD.
33 REMOVE AND SALVAGE MAST ARM MOUNTED SIGN.
37 REMOVE AND SALVAGE PEDESTRIAN PUSHBUTTON.
43 FURNISH AND INSTALL A HORIZONTAL LUMINAIRE ARM.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
AB ABANDON EXISTING CONDUIT, REMOVE CONDUCTORS AND CABLES.

QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.



REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL SCHEDULES

ATLANTIC ST AT SAHARA AVE

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

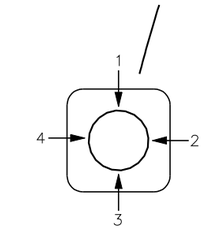
SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-32A

Sheet 501 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

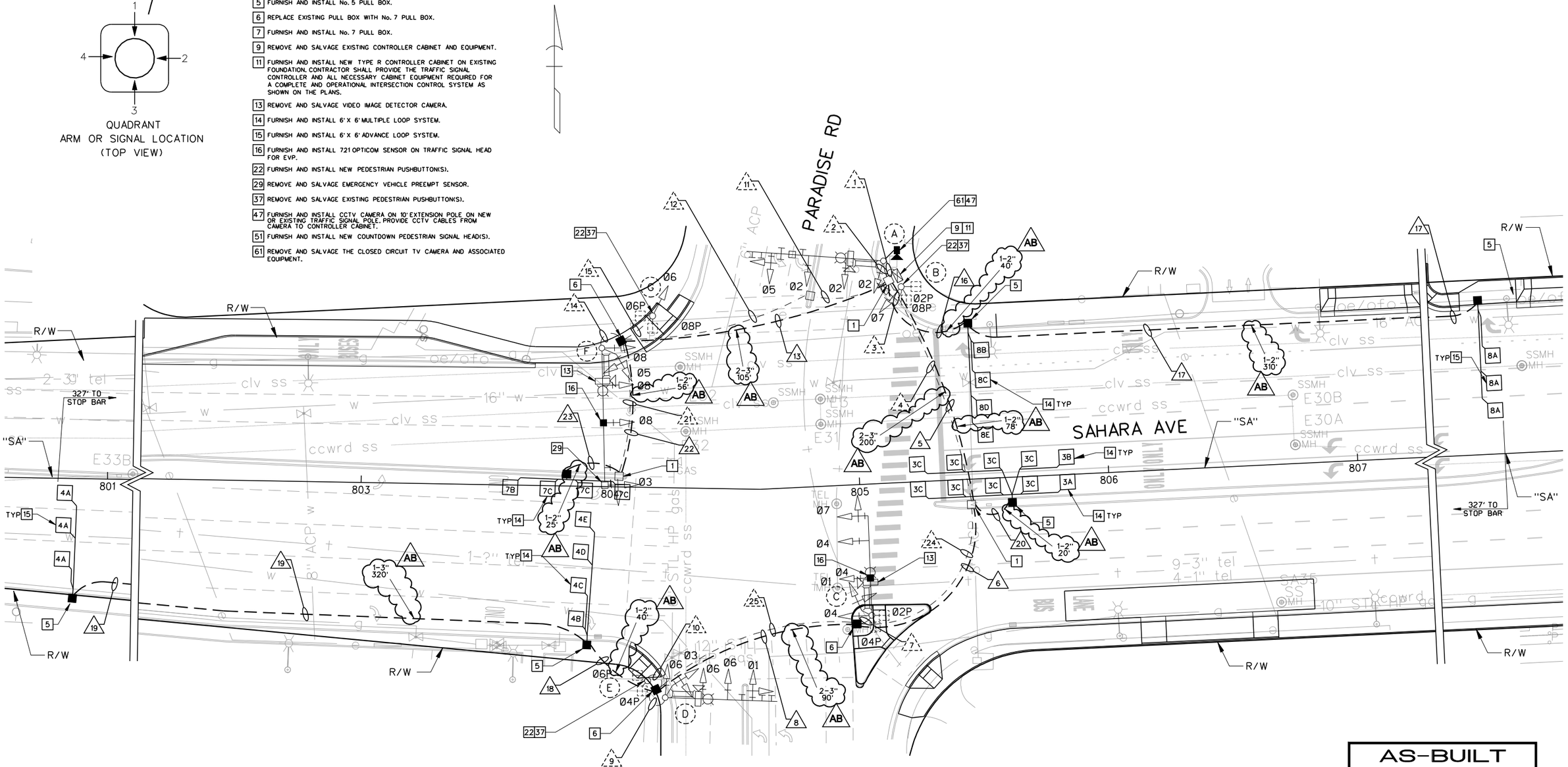
AS - BUILT - 05.31.2012



QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

1. INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5. FURNISH AND INSTALL No. 5 PULL BOX.
6. REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7. FURNISH AND INSTALL No. 7 PULL BOX.
9. REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11. FURNISH AND INSTALL NEW TYPE P CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13. REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14. FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15. FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16. FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
22. FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
29. REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
37. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47. FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51. FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
61. REMOVE AND SALVAGE THE CLOSED CIRCUIT TV CAMERA AND ASSOCIATED EQUIPMENT.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

NOTE:
1. THE TRAFFIC SIGNAL PHASING SHOWN IS PER THE AS-BUILT TRAFFIC SIGNAL PLAN.

20 10 0 20 40
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES. ITS COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. ITS COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
PARADISE RD AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	JPS
DESIGNED BY:	ALB	CHECKED BY:	NLG
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE	
HORIZ:	AS SHOWN
VERT:	NONE
FIELD BOOK:	NONE

SHEET No. T-33

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

POLE SCHEDULE

POLE	LOCATION STATION & OFFSET	POLE TYPE HEIGHT FOUND.	SIGNAL ARM QUAD	SIGNAL ARM LENGTH	LUMINAIRE ARM QUAD	LUMINAIRE ARM LENGTH	SIGNALS VEHICLE TYPE	SIGNALS VEHICLE QUAD	SIGNALS PEDESTRIAN TYPE	SIGNALS PEDESTRIAN QUAD	PEDESTRIAN PUSH BUTTON PHASE	PEDESTRIAN PUSH BUTTON ARROW	PEDESTRIAN PUSH BUTTON QUAD	REMARKS
(A)	EXISTING	XX-A 30' (E)	4	55' (E)	4	15' (E)	(3) M-2 (N) B-1T (E)	MA 2	–	–	–	–	–	
(B)	EXISTING	I-A 10' (E)	–	–	–	–	A-2T (E)	TOP	W-3T (E)	2	Ø2 Ø8	RT (N) LT (N)	4 3	22 37
(C)	EXISTING	XX 30' (E)	1	40' (E)	1	15' (E)	(3) M-2 (E) B-2T (E)	MA 3	W-3T (E)	3	Ø4 Ø6	LT (E) RT (E)	3 4	16 13
(D)	EXISTING	XX 30' (E)	2	45' (E)	2	15' (E)	(3) M-2 (E) B-2T (E)	MA 4	–	–	–	–	–	
(E)	EXISTING	I-B 7' (E)	–	–	–	–	–	–	W-2T (E)	TOP	Ø4 Ø6	LT (N) RT (N)	1 2	22 37
(F)	EXISTING	XX-A 30' (E)	3	55' (E)	3	15' (E)	(3) M-2 (E) B-2T (E)	MA 1	–	–	–	–	–	13 16 29
(G)	EXISTING	I-A 10' (E)	–	–	–	–	A-2T (E)	TOP	W-3T (E)	4	Ø6 Ø8	LT (N) RT (N)	2 3	22 37

SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.
(E) = EXISTING EQUIPMENT
(N) = NEW EQUIPMENT
(R) = RELOCATED EQUIPMENT

CONDUIT AND WIRE SCHEDULE

WIRE & CABLE	FROM	TO	CONDUIT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
(E)	CONTROLLER	POLE A	E	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
(E)	CONTROLLER	POLE B	E	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
(E)	CONTROLLER	POLE C	E	–	–	E	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	E	–
(E)	CONTROLLER	POLE D	E	–	–	E	–	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	E	E
(E)	CONTROLLER	POLE E	E	–	–	E	–	–	–	–	E	–	–	–	–	–	–	–	–	–	–	–	–	–	–	E	E
(E)	CONTROLLER	POLE F	E	–	–	–	–	–	–	–	–	–	E	E	–	E	–	–	–	–	–	–	–	–	–	–	–
(E)	CONTROLLER	POLE G	E	–	–	–	–	–	–	–	–	–	E	E	–	–	E	–	–	–	–	–	–	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (3A, 3B, 3C)	●	–	–	–	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4A)	●	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (4B, 4C, 4D, 4E)	●	–	–	–	●	●	–	●	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (7B, 7C)	●	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	●	●	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8A)	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–
LOOP LEAD - IN CABLE (6 PR)	CONTROLLER	DET PULL BOX (8B, 8C, 8D, 8E)	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	–	–	–	–	–	–	–	–	–
CCTV CAMERA	CONTROLLER	POLE A	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1 OPTICOM CABLE	CONTROLLER	POLE C	●	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1 - No. 8 (GREEN)	CONTROLLER TO POLES/PULL BOXES		E	E	E	E	2	2	E	2	E	E	E	E	E	2	E	E	1	1	1	1	1	E	1	1	E	E
PULL POPE	NUMBER AS SHOWN		–	–	–	–	2	2	–	2	–	–	–	–	2	–	–	1	1	1	1	1	–	1	1	–	–
No. OF CONDUITS - CONDUIT SIZE			(E)	(E)	(E)	1-3" (E)	2-3"	2-3"	(E)	2-3"	(E)	(E)	1-3" (E)	1-3" (E)	2-3"	(E)	1-2"	1-2"	1-2"	1-2"	1-2"	(E)	1-2"	1-2"	1-3" (E)	1-3" (E)	

(E) = EXISTING CABLE, CONDUCTORS OR CONDUITS
(A) = ABANDON CABLE, CONDUCTORS OR CONDUITS
● = NEW CABLE, CONDUCTORS OR CONDUITS

SIGN SCHEDULE

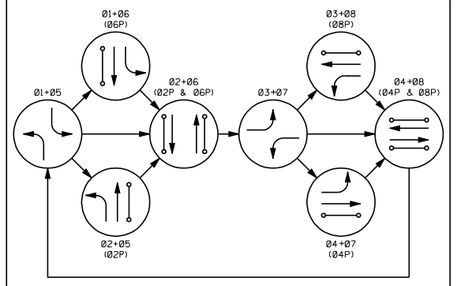
		ONLY
SIGN DESIGNATION DIMENSIONS		R3-10 (MOD) 30" x 36"
POLE *		(C)

* - (X) = EXISTING SIGN, (X) = NEW SIGN

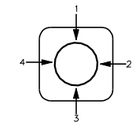
STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK	DOUBLE SIDED	NEW/ EXISTING
(A)	–	SAHARA	–	–	YES	EXISTING
(C)	–	PARADISE	–	–	YES	EXISTING
(D)	–	SAHARA	–	–	YES	EXISTING
(F)	–	PARADISE	–	–	YES	EXISTING

PROPOSED PHASE DIAGRAM



FLASHING OPERATION – ALL RED



QUADRANT
ARM, SIGNAL, PED BUTTON
(TOP VIEW)

NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

CONSTRUCTION NOTES:

1 INTERCEPT EXISTING PULL BOX AND INSTALL NEW CONDUIT(S).
5 FURNISH AND INSTALL No. 5 PULL BOX.
6 REPLACE EXISTING PULL BOX WITH No. 7 PULL BOX.
7 FURNISH AND INSTALL No. 7 PULL BOX.
9 REMOVE AND SALVAGE EXISTING CONTROLLER CABINET AND EQUIPMENT.
11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.
13 REMOVE AND SALVAGE VIDEO IMAGE DETECTOR CAMERA.
14 FURNISH AND INSTALL 6' X 6' MULTIPLE LOOP SYSTEM.
15 FURNISH AND INSTALL 6' X 6' ADVANCE LOOP SYSTEM.
16 FURNISH AND INSTALL 721 OPTICOM SENSOR ON TRAFFIC SIGNAL HEAD FOR EVP.
22 FURNISH AND INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
29 REMOVE AND SALVAGE EMERGENCY VEHICLE PREEMPT SENSOR.
37 REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON(S).
47 FURNISH AND INSTALL CCTV CAMERA ON 10' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.
51 FURNISH AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD(S).
61 REMOVE AND SALVAGE THE CLOSED CIRCUIT TV CAMERA AND ASSOCIATED EQUIPMENT.

AS-BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 REGIONAL AND INTERNAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL SCHEDULES
PARADISE RD AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: ALB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

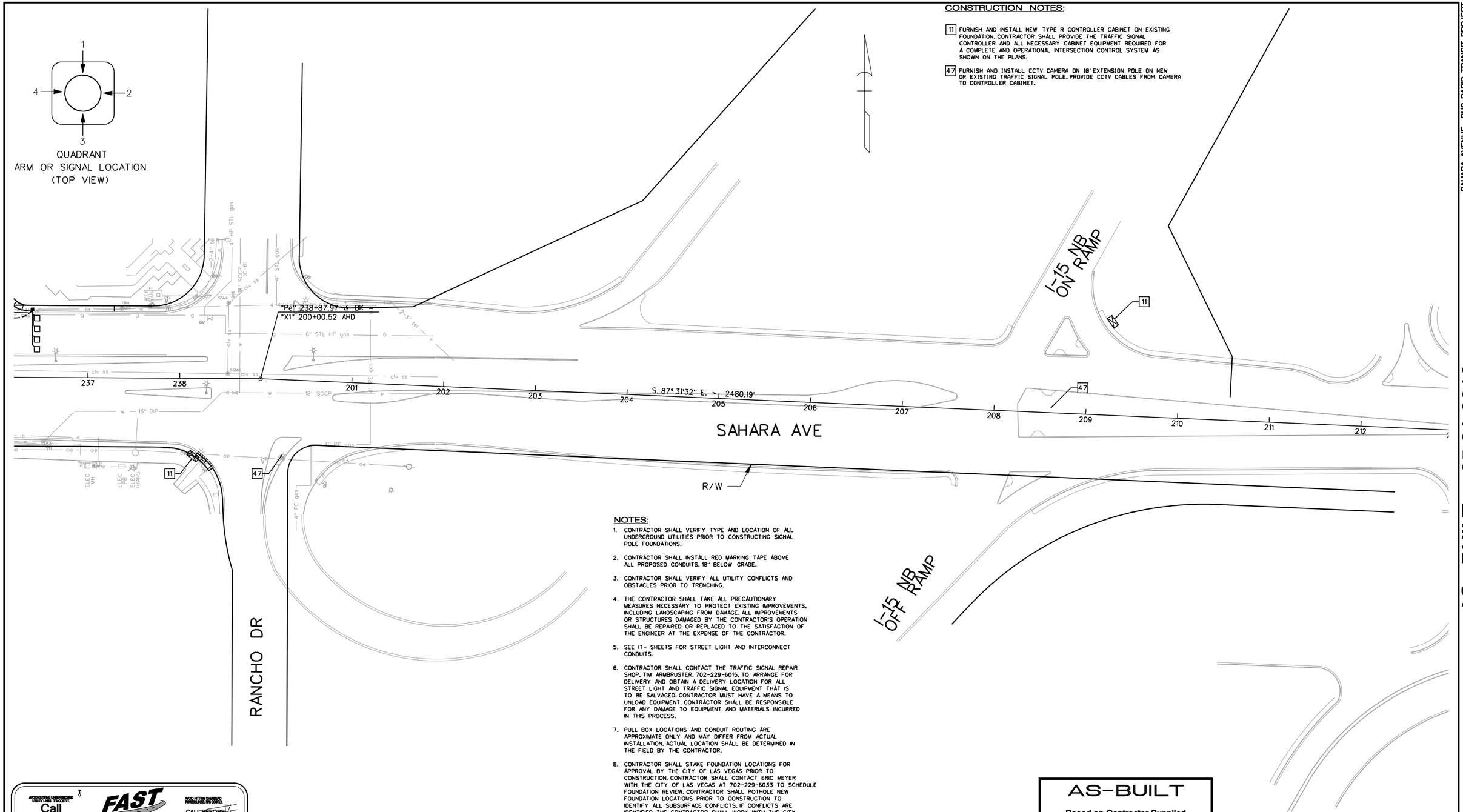
SHEET No. T-33A
Sheet 503 of 592

QUADRANT
ARM OR SIGNAL LOCATION
(TOP VIEW)

CONSTRUCTION NOTES:

11 FURNISH AND INSTALL NEW TYPE R CONTROLLER CABINET ON EXISTING FOUNDATION. CONTRACTOR SHALL PROVIDE THE TRAFFIC SIGNAL CONTROLLER AND ALL NECESSARY CABINET EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL INTERSECTION CONTROL SYSTEM AS SHOWN ON THE PLANS.

47 FURNISH AND INSTALL CCTV CAMERA ON 18' EXTENSION POLE ON NEW OR EXISTING TRAFFIC SIGNAL POLE. PROVIDE CCTV CABLES FROM CAMERA TO CONTROLLER CABINET.



NOTES:

1. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
2. CONTRACTOR SHALL INSTALL RED MARKING TAPE ABOVE ALL PROPOSED CONDUITS, 18" BELOW GRADE.
3. CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, INCLUDING LANDSCAPING FROM DAMAGE. ALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. SEE IT- SHEETS FOR STREET LIGHT AND INTERCONNECT CONDUITS.
6. CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL REPAIR SHOP, TIM ARMBRUSTER, 702-229-6015, TO ARRANGE FOR DELIVERY AND OBTAIN A DELIVERY LOCATION FOR ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS TO BE SALVAGED. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THIS PROCESS.
7. PULL BOX LOCATIONS AND CONDUIT ROUTING ARE APPROXIMATE ONLY AND MAY DIFFER FROM ACTUAL INSTALLATION. ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. CONTRACTOR SHALL STAKE FOUNDATION LOCATIONS FOR APPROVAL BY THE CITY OF LAS VEGAS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ERIC MEYER WITH THE CITY OF LAS VEGAS AT 702-229-6033 TO SCHEDULE FOUNDATION REVIEW. CONTRACTOR SHALL POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE CITY AND ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.
9. AT INTERSECTIONS WITHIN NDOT RIGHT OF WAY, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR TYPE XX-B POLE AND STAMPED CALCULATIONS AND DRAWINGS FOR FOUNDATION FOR APPROVAL BY ENGINEER.

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50 25 0 50 100
GRAPHIC SCALE

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
TRAFFIC SIGNAL PLAN
RANCHO DR AND I-15 NB RAMPS AT SAHARA AVE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	ELC
DESIGNED BY:	CAB	CHECKED BY:	NLG
APPROVED BY	RJP		

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

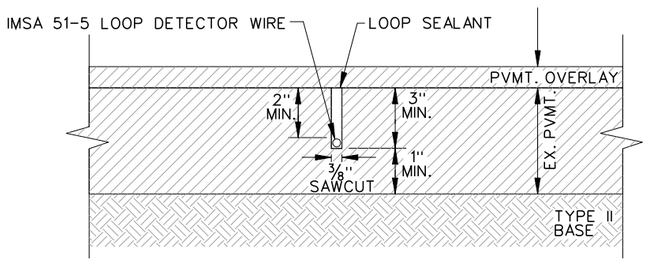
SHEET No. T-34
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SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

LOOP DETECTOR SCHDULE (EAST BOUND APPROACH)			
MOVEMENT	LOOP NUMBER	DETECTOR CHANNEL	LOOP OPERATION
EB THRU	4A	1	"PRESENCE" LOOP FOR EXTENSION
	4C	2	"CALL/COUNT" LOOP
	4D	3	"CALL/COUNT" LOOP
	4E	4	"CALL/COUNT" LOOP
EB RIGHT	4B	5	"CALL/COUNT" LOOP WITH DELAY
EB LEFT	7A	6	"PRESENCE/COUNT" LOOP
EB LEFT	7B	7	"PRESENCE/COUNT" LOOP
EB LEFT	7C	8	"PRESENCE" LOOPS

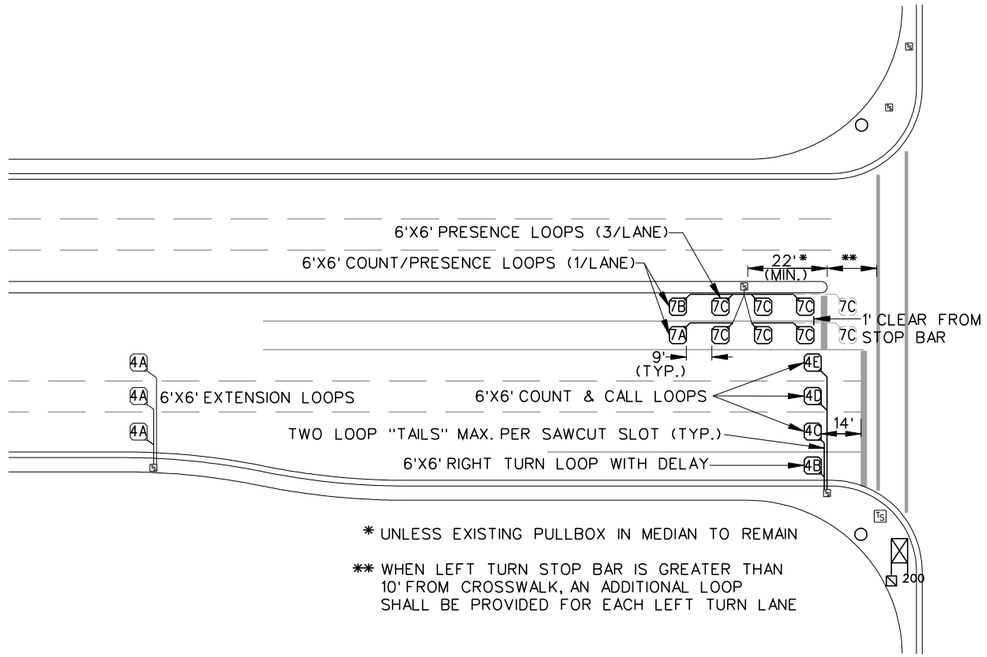
LOOP DETECTOR SCHDULE (WEST BOUND APPROACH)			
MOVEMENT	LOOP NUMBER	DETECTOR CHANNEL	LOOP OPERATION
WB THRU	8A	1	"PRESENCE" LOOP FOR EXTENSION
	8C	2	"CALL/COUNT" LOOP
	8D	3	"CALL/COUNT" LOOP
	8E	4	"CALL/COUNT" LOOP
WB RIGHT	8B	5	"CALL/COUNT" LOOP WITH DELAY
WB LEFT	3A	6	"PRESENCE/COUNT" LOOP
WB LEFT	3B	7	"PRESENCE/COUNT" LOOP
WB LEFT	3C	8	"PRESENCE" LOOPS

6-PAIR LOOP LEAD-IN CABLE ASSIGNMENTS		
PAIR NO.	COLOR	PHASE LETTER DESIGNATION
1	BLACK & RED	A
2	BLACK & WHITE	B
3	BLACK & GREEN	C
4	BLACK & BLUE	D
5	BLACK & YELLOW	E
6	BLACK & BROWN	F



LOOP DETECTOR WIRE INSTALLATION
PAVEMENT REHABILITATION

NOT TO SCALE



* UNLESS EXISTING PULLBOX IN MEDIAN TO REMAIN

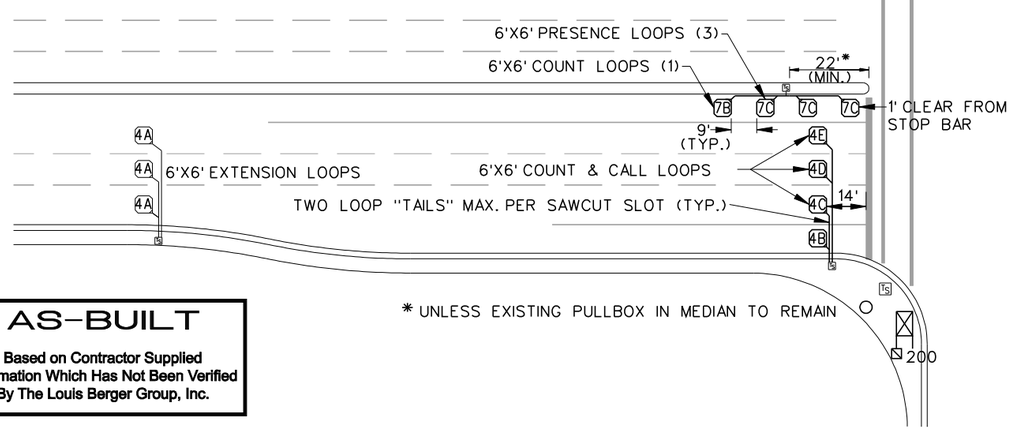
** WHEN LEFT TURN STOP BAR IS GREATER THAN 10' FROM CROSSWALK, AN ADDITIONAL LOOP SHALL BE PROVIDED FOR EACH LEFT TURN LANE

CONSTRUCTION NOTES

1. LOOP DETECTOR WIRE SHALL CONFORM TO IMSA 51-5 WITH ORANGE JACKET PER SPECIAL PROVISION 623T.02.04.
2. LOOP LEAD-IN CABLE SHALL BE PER SPECIAL PROVISION 623T.02.04.
3. FOR FULL-DEPTH PAVEMENT CONSTRUCTION, EMBED OR PLACE PRE-FORMED LOOP DETECTORS ON TOP OF AGGREGATE BASE MATERIAL PER MANUFACTURER'S RECOMMENDATIONS OR AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ENSURE THAT THE LOOP DETECTORS ARE PROPERLY SECURED IN PLACE TO PREVENT MOVEMENT PRIOR TO AND DURING THE INSTALLATION OF PAVING MATERIAL.
4. LOOPS DETECTORS SHALL BE CENTERED IN TRAVEL LANES.
5. ALL LOOP DETECTOR LOCATIONS SHALL BE APPROVED BY THE CLV TRAFFIC ENGINEER PRIOR TO INSTALLATION.

GENERAL NOTES

1. LOOP LEAD-IN CABLE SHALL BE PER SPECIAL PROVISION 623T.02.04
2. ALL LOOP DETECTOR WIRE SHALL CONFORM TO IMSA 51-5 WITH ORANGE JACKET PER SPECIAL PROVISION 623T.02.04



* UNLESS EXISTING PULLBOX IN MEDIAN TO REMAIN

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
LOOP DETECTOR DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: JPS
DESIGNED BY: CAB CHECKED BY: NLG
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

SHEET No. T-35

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

CITY OF LAS VEGAS TRAFFIC SIGNAL NOTES

1. ALL WORK PERFORMED ON ANY TRAFFIC SIGNAL COMPONENT MUST BE UNDER THE DIRECT ON-SITE SUPERVISION OF AN IMSA CERTIFIED TECHNICIAN. THE LEVEL OF CERTIFICATION REQUIRED SHALL BE LEVEL II EFFECTIVE MARCH 30, 2001.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL EXISTING UTILITIES. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TO VERIFY IN THE FIELD THE LOCATIONS OF THEIR INSTALLATIONS 72 HOURS PRIOR TO CONSTRUCTION.

CALL-BEFORE-YOU-OVERHEAD	1-702-593-6111
CALL-BEFORE-YOU-DIG	1-800-227-2600
STREETLIGHTS	1-702-229-6331
F.A.S.T. (JESUS MARMOLEJO)	1-702-432-5300

3. ALL TRAFFIC SIGNAL INSTALLATIONS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, VOLUMES I AND II, ADOPTED BY THE REGIONAL TRANSPORTATION COMMISSION APRIL 8, 1992 WITH ALL SUBSEQUENT REVISIONS.

4. SERVICE SHALL HAVE 1-60 AMP SINGLE POLE BREAKER FOR SIGNAL, AND 1-40 AMP SINGLE POLE BREAKERS FOR STREET LIGHTS. SERVICE SHALL BE 200 AMP PAD MOUNT.

5. LINE SIDE OF METER TO BE WIRED WITH THREE #3/0 AWG THW. LOAD SIDE SHALL BE WIRED WITH FOUR #4 AWG THW (2 BLACK, 2 WHITE) AND ONE #8 AWG THW (GREEN).

6. LUMINARIES ON ALL SIGNAL POLES SHALL BE 400 WATT HIGH PRESSURE SODIUM CUTOFF (G.E. M400A) WITH MC-111 DISTRIBUTION. EACH LUMINAIRE SHALL HAVE AN INDIVIDUAL 1000 WATT P.E. CONTROL. FOR LUMINARIES THERE SHALL BE 2(TWO)-#4 AWG THW CONDUCTORS FROM THE SERVICE TO THE CABINET. IN THE CABINET, THE #4 AWG THW CONDUCTORS SHALL BRANCH OFF INTO #10 AWG THW CONDUCTORS INDIVIDUALLY FUSED WITH 10 AMP FUSES. THERE SHALL BE NO SPLICES BETWEEN THE CABINET AND LUMINAIRE FIXTURES.

7. THE INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE WIRED TO THE LUMINAIRE PHOTO CELL FOR CONTROL WITH #10 AWG THW COPPER STRANDED WIRE (TYPICAL). IN THE EVENT THERE IS NO LUMINAIRE ON THE TRAFFIC SIGNAL POLE, THE 1000 WATT P.E. CONTROL SHALL BE MOUNTED ON THE POLE CAP.

8. CHECK CONDUIT AND CABLE SCHEDULE FOR CONDUIT, CABLE, AND WIRE SIZE. VERIFY ALL EXISTING CONDUIT RUNS.

9. ALL PULL BOXES SHALL BE IN ACCORDANCE WITH UNIFORM STANDARD DRAWINGS FOR PULL BOXES, DRAWINGS NUMBERS 404.110 TO 404.141.

10. TRAFFIC SIGNAL CABLE SHALL BE 15 OR 25 CONDUCTOR #14 AWG SOLID (TYPICAL) CABLE AND SHALL CONFORM TO IMSA SPEC. NO. 20-1.

11. PEDESTRIAN PUSH BUTTONS SHALL BE AUDIBLE TACTILE "POLARA NAVIGATOR" TYPE (2 WIRE SYSTEM) IN ACCORDANCE WITH CITY OF LAS VEGAS SPECIAL PROVISIONS AND SECTION 623 OF THE CCA USS. PUSH BUTTON SIGNS SHALL BE 9"x12" R10-3e PER MUTCD, 2003 EDITION, WITH FULL MOUNTING BRACKETS. ALL PUSH BUTTONS TO BE MOUNTED 42" ABOVE SIDEWALK. THE MAXIMUM HORIZONTAL REACH DISTANCE IS TO BE 24". SIDEWALK RAMPS WILL BE ACCORDING TO UNIFORM STANDARD DRAWING No. 235 (1-4) LATEST EDITION.

12. THE PLACING OF POLES AND CABINETS SHALL BE AS INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE ENGINEER. THE ROUTING AND TERMINATION OF CONDUITS AND THE LOCATIONS OF PULL BOX AND VAULTS ARE SCHEMATIC FOR THE PURPOSE OF CLARITY AND MAY DIFFER FROM ACTUAL INSTALLATION. FINAL LOCATION(S) SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

13. MAST ARM R10-12 SIGNS TO BE ADJACENT (NO GAP) TO THE M-5 SIGNAL HEAD.

14. INSTALL TYPE VIII CABINET. THIS IS COMMONLY REFERRED TO AS AN "R" CABINET. THE CABINET SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS, CLARK COUNTY AREA, NEVADA. INSTALL CABINET NEAR THE R.O.W. LINE OR AS SHOWN ON THE DRAWINGS.

15. THE CONTRACTOR SHALL SUPPLY A 2070N WITH 1B MODULE OR M53 CONTROLLER TO THE CITY OF LAS VEGAS TRAFFIC SIGNAL REPAIR SHOP, FOURTEEN DAYS PRIOR TO SIGNAL TURN-ON, FOR TESTING PURPOSES. THE CONTRACTOR SHALL DELIVER THE CONTROLLER TO AND PICKUP THE CONTROLLER AT 2801 E. CHARLESTON BOULEVARD. CONTRACTOR SHALL NOTIFY THE TRAFFIC SIGNAL REPAIR SHOP (229-6075) SEVEN DAYS PRIOR TO PICK UP. ALL 2070N CONTROLLERS MUST BE COMPATIBLE WITH AND FUNCTION PROPERLY WITH OS9 1996 OPERATION SYSTEM; THE LATEST REVISION OF THE "NEXT PHASE INTERSECTION MANAGEMENT SOFTWARE" (SIEMENS) AND THE ICONS (SIEMENS) GENERAL SOFTWARE.

16. CONTRACTOR SHALL POTHOLE SIGNAL POLE LOCATIONS PRIOR TO ORDERING OF POLES.

17. ALL TRAFFIC SIGNAL POLES AND MAST ARMS WILL BE HOT-DIP GALVANIZED BY THE MANUFACTURER. THE MAST ARM IS TO BE FABRICATED WITH END TENON ONLY. THE END TENON SHALL BE FACTORY INSTALLED AND THE REMAINING TENONS SHALL BE FABRICATED IN THE FIELD AT THE LOCATION SHOWN ON THE PLANS OR AS DIRECTED BY THE TRAFFIC ENGINEER AND/OR HIS AUTHORIZED REPRESENTATIVE. FOR TENON FABRICATION DETAILS SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWING NO. 404.406, SHEET 2. ALL WELDING SHALL CONFORM TO AWS D 2.0. "SPECIFICATIONS FOR WELDED HIGHWAY AND RAILWAY BRIDGES", AND TO ANY ADDITIONAL REQUIREMENTS OF SECTION 623 T.02.09. OF THE SPECIFICATIONS. ALL EXPOSED WELDS, SHALL BE PAINTED AS PROVIDED FOR REPAIRING DAMAGED GALVANIZED SURFACES.

18. ALL VEHICLE AND PEDESTRIAN SIGNAL INDICATIONS SHALL HAVE LIGHT EMITTING DIODE (LED) TYPE INDICATIONS, IN CONFORMANCE TO CITY OF LAS VEGAS SPECIAL PROVISIONS TO SECTION 623 OF THE CLARK COUNTY AREA, UNIFORM STANDARD SPECIFICATIONS. ALL PEDESTRIAN SIGNAL FACES SHALL PROVIDE "WALKING PERSON", "HAND" AND "COUNTDOWN" MESSAGES AS PROVIDED BY DURALIGHT MODEL #JXM-300VIE OR DIALIGHT MODEL #430-6479-801, OR APPROVED EQUAL.

19. VIDEO DETECTION SYSTEMS WILL BE EITHER ITERIS EDGE 2 WITH EDGECONNECT PAK, (IP ADDRESSABLE); OR PEEK VIDEOTRAK IQ (WITH ETHERNET PORT). WHEN VIDEO DETECTION IS SPECIFIED ON THE TRAFFIC SIGNAL PLANS. ALL VIDEO DETECTION SYSTEMS WILL BE STAND ALONE SYSTEMS TO INCLUDE ALL NECESSARY EQUIPMENT TO PROGRAM THE VIDEO DETECTION SYSTEM. A PROGRAMMING "MOUSE", KEYPAD OR LAPTOP COMPUTER (IF REQUIRED FOR PROGRAMMING THE VIDEO DETECTION SYSTEM) AND APPROPRIATE SOFTWARE WILL BE SUPPLIED WITH EACH VIDEO SYSTEM. PERSONAL COMPUTERS (PCS) MAY NOT BE SUBSTITUTED FOR LAPTOPS. A VIDEO MONITOR (COLOR FLAT SCREEN OR CRT) 9" TO 13" WILL BE SUPPLIED WITH EACH VIDEO DETECTION SYSTEM. EACH VIDEO CAMERA WILL HAVE POWER AND VIDEO CABLE DIRECTLY FROM THE CABINET. COAXIAL CABLE WILL BE TYPE 8281 (SOLID CENTER CONDUCTOR). CAMERAS THAT USE A PREFABRICATED CABLE INTEGRATING POWER AND COAXIAL CABLE INTO A SINGLE WEATHERPROOF CONNECTOR ARE ACCEPTABLE. "BNC" ARE THE ONLY ACCEPTABLE TERMINATION OF COAXIAL CABLES. CAMERAS WILL BE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS AND PER CLV TRAFFIC ENGINEER APPROVAL. EXTENSION BRACKETS (TYPE AB-0166-5-62 OR EQUIVALENT) WILL BE USED WHEN MOUNTING VIDEO CAMERAS ON MAST ARMS. A VIDEO FILTER (CX06-BNYC OR EQUIVALENT) WILL BE INSTALLED IN THE SIGNAL CABINET FOR EACH CAMERA VIDEO INPUT.

20. LOOP DETECTOR WIRE SHALL CONFORM TO IMSA 51-5 WITH ORANGE JACKET . TWO (2) CHANNEL RACK- MOUNTED DETECTOR AMPLIFIERS SHALL BE INSTALLED IN THE CONTROLLER CABINET WHICH ACCOMMODATE 24 SEPARATE CHANNELS. LOOP LEAD-IN CABLE SHALL BE 6-PAIR 18 AWG MULTIPLE CONDUCTOR CABLE AS SPECIFIED IN SECTION 623T.02.04 OF THE CLV SPECIAL PROVISIONS. ALL WIRING HARNESSES, RACK POSITIONS, AND LOOP LEAD-IN CABLE SHALL BE CLEARLY MARKED AS TO THE APPROPRIATE PHASE AND LETTER DESIGNATION TO WHICH IT BELONGS AS SHOWN ON THE TRAFFIC SIGNAL PLANS. ALL LOOPS SHALL BE INSTALLED IN THE ROADWAY PRIOR TO PLACEMENT OF THE FINAL PAVEMENT LIFT. LOOPS SHALL BE LOCATED AS SHOWN ON THE TRAFFIC SIGNAL PLANS AND APPROVED BY THE CLV TRAFFIC ENGINEERING DIVISION PRIOR TO INSTALLATION. REFER TO SECTION 623T.02.04 OF THE CLV SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

21. OPTICAL PREEMPTION UNITS WILL BE 3M (ENCODING CAPABLE), MODEL 754 PHASE SELECTOR INSTALLED IN A MODEL 760 CARD RACK; OPTICAL SENSORS WILL BE MODEL 721 AND WILL BE INTERFACED TO THE TRAFFIC SIGNAL CONTROLLER CABINET WITH M-138 CABLE.

22. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY CONSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE CITY.

23. INTERCONNECT CABLE SHALL BE AS SHOWN IN THE WIRE SCHEDULE.

24. THE CONTRACTOR SHALL INSTALL CROSSWALKS, STOP BARS, STRIPING AND SIGNS AS IDENTIFIED ON THE PLANS.

25. CONTRACTOR SHALL INSTALL RED MARKING TAPE 18" BELOW GRADE ABOVE ALL PROPOSED CONDUITS.

26. EXISTING TRAFFIC SIGNALS MUST REMAIN OPERATIONAL AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE UNIFORMED TRAFFIC CONTROL OFFICERS AT ALL TIMES WHEN THE TRAFFIC SIGNAL CANNOT REMAIN OPERATIONAL UNLESS ANOTHER METHOD IS APPROVED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

27. AS PART OF THE TRAFFIC SIGNAL INSTALLATION OR MODIFICATION, THE CONTRACTOR SHALL REMOVE AND SALVAGE ALL EXISTING EQUIPMENT (POLES, MAST ARMS, INTERSECTION LIGHTING, CONTROLLER CABINET, ETC.) AS IDENTIFIED ON THE PLANS. SUB-SURFACE AND SURFACE CONDITIONS SHALL BE REPAIRED OR REPLACED TO MATCH THE SURROUNDING AREA. ALL STREET LIGHT AND TRAFFIC SIGNAL EQUIPMENT THAT IS SALVAGED SHALL BE RETURNED TO THE CLV EAST SERVICE YARD. PROVIDE 72 HOUR NOTICE PRIOR TO DELIVERY. CALL 702-229-3661 TO SCHEDULE DELIVERY TIME. CONTRACTOR MUST HAVE A MEANS TO UNLOAD EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EQUIPMENT AND MATERIALS INCURRED IN THE PROCESS.

28. EXISTING PEDESTRIAN PUSHBUTTON HOLES NOT REUSED SHALL BE COVERED WITH A 2" X 2" X $\frac{1}{8}$" GALVANIZED STEEL PLATE FORMED TO THE SHAPE OF THE EXISTING SIGNAL POLE WITH FILLET WELD ALL AROUND AND AS DIRECTED BY ENGINEER.

29. FOUNDATIONS TO BE ABANDONED SHALL HAVE THE TOP 18" BELOW THE CRASH CAP REMOVED AND THE RESULTING EXCAVATION BACKFILLED. SEE SECTION 623 L.0370.

30. ILLUMINATED STREET NAME SIGNS SHALL USE 12-INCH INTITIAL UPPER CASE LETTERS AND 9-INCH LOWER CASE LETTERS FOR STREET NAMES PER MUTCD, 2009 EDITION SECTION 2D.43. SIGN FACES SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

TRAFFIC SIGNAL NOTES

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: ALB
DESIGNED BY: ALB CHECKED BY: NLG
APPROVED BY RJP

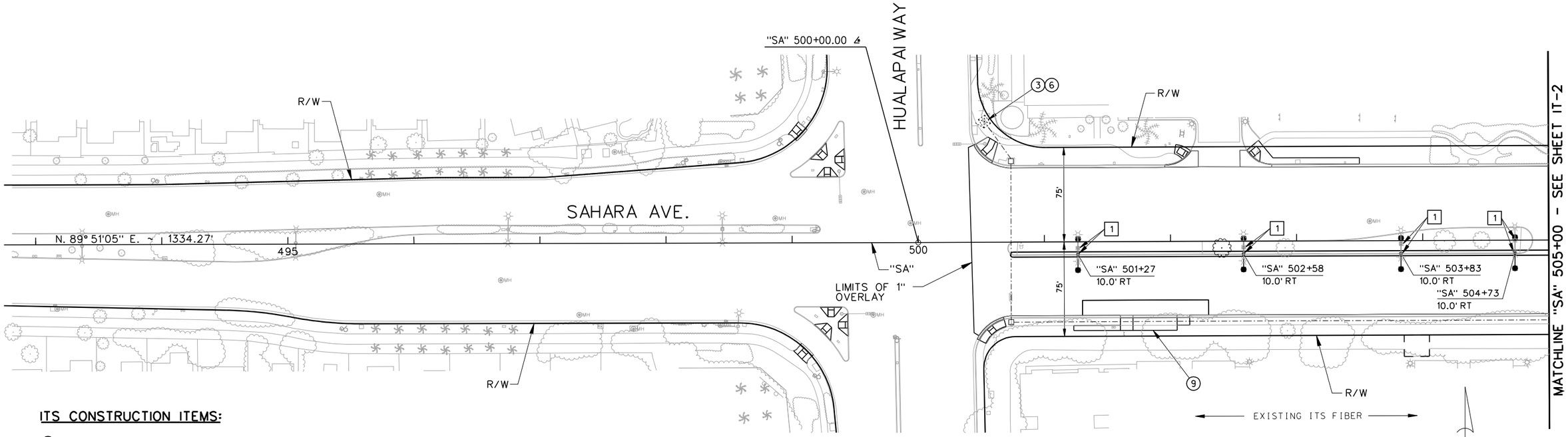
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500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No. T-36

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.
2. SEE SHEET T-1 AND T-1A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN
"SA" 493+00 to "SA" 505+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

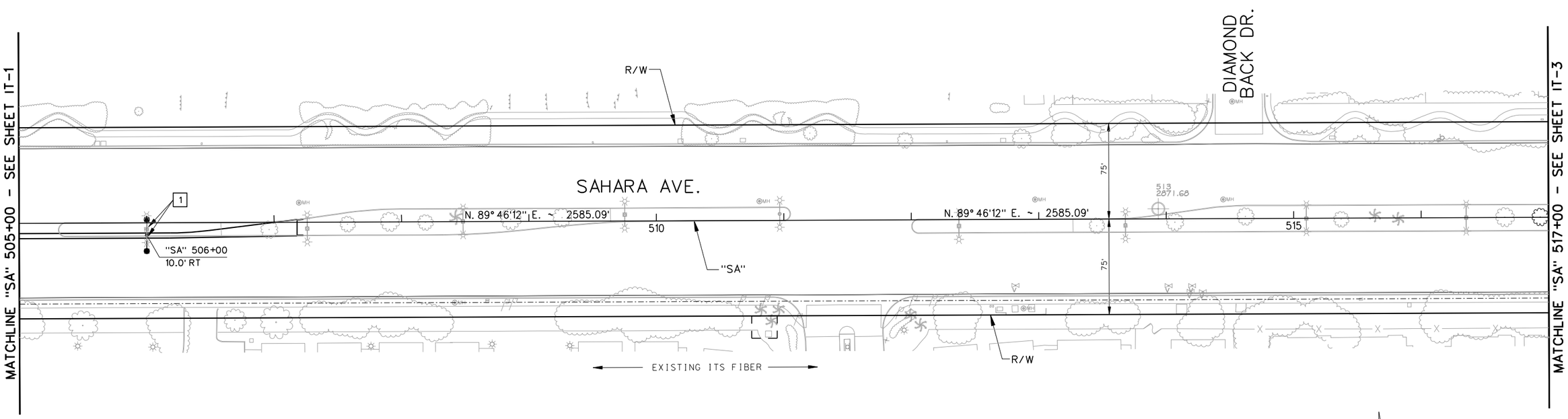
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DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

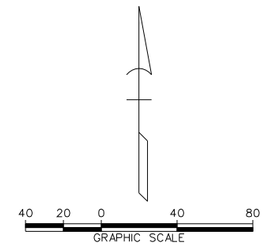
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SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. IT-1
Sheet 507 of 592

AS - BUILT - 05.31.2012
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT





ITS CONSTRUCTION ITEMS:

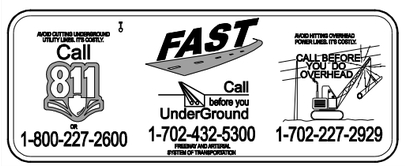
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(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

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AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 505+00 to "SA" 517+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

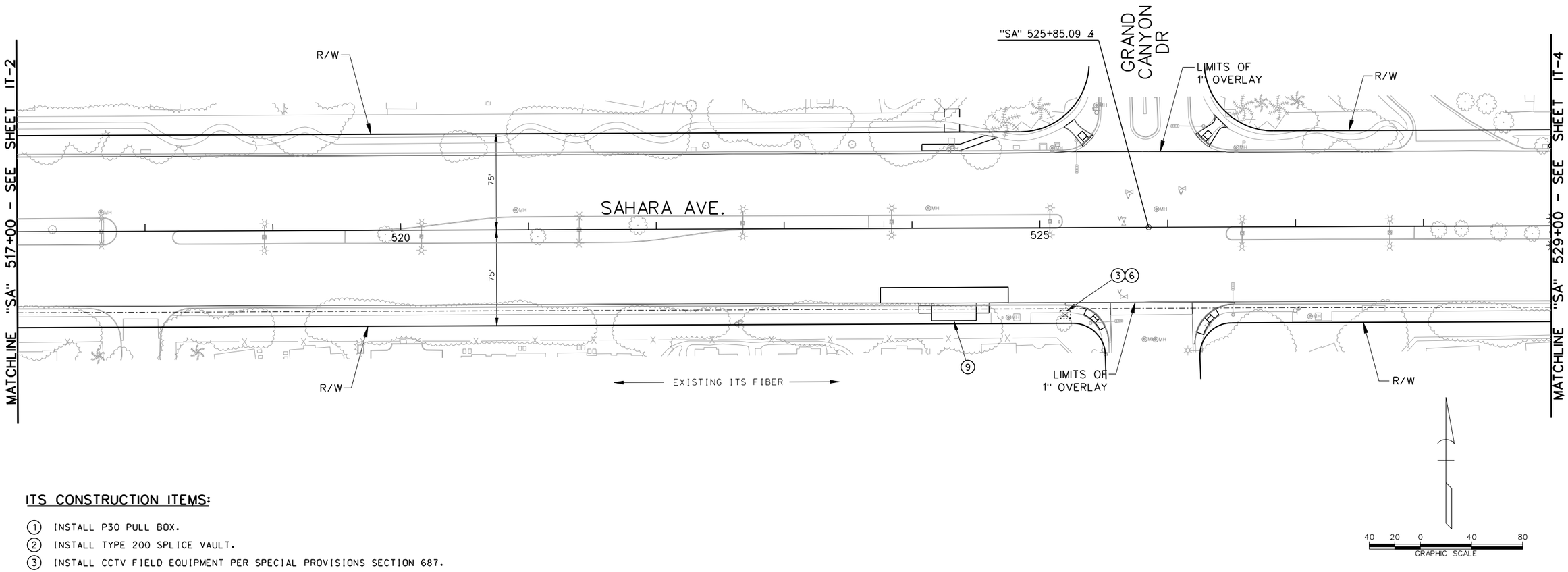
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SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
IT-2
Sheet 508 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
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LIGHTING CONSTRUCTION ITEMS:

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NOTES:

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2. SEE SHEET T-2 AND T-2A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.

Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT
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REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN
"SA" 517+00 to "SA" 529+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

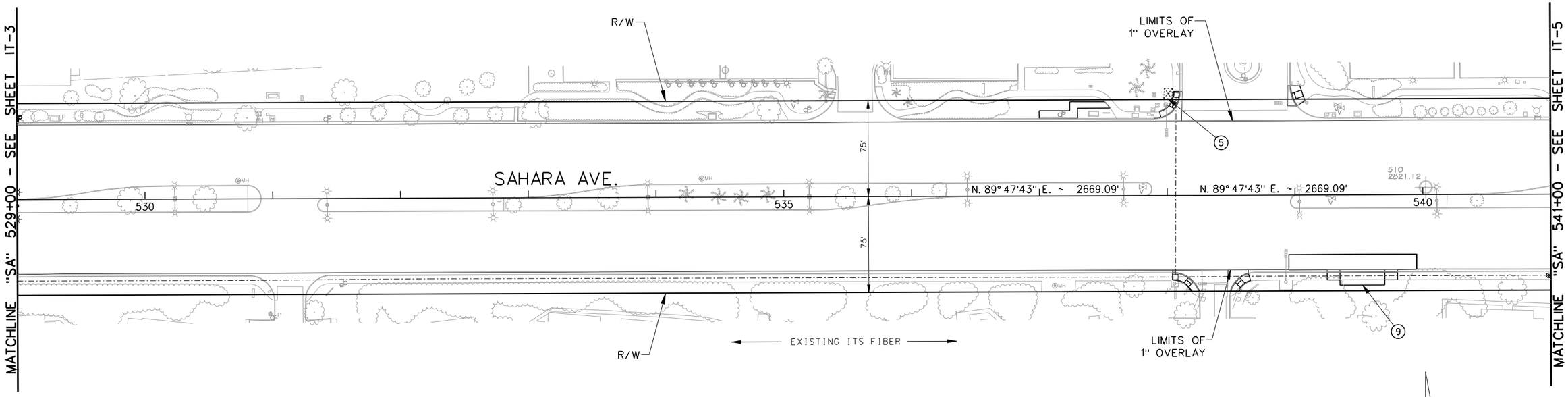
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

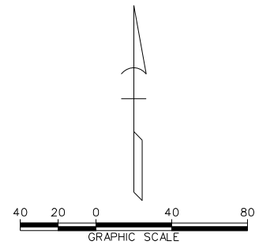
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SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
IT-3
Sheet 509 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

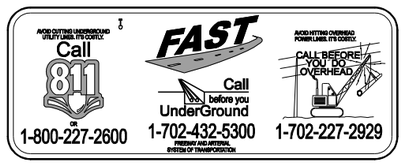
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(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
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(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
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- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.



AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN
"SA" 517+00 to "SA" 541+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

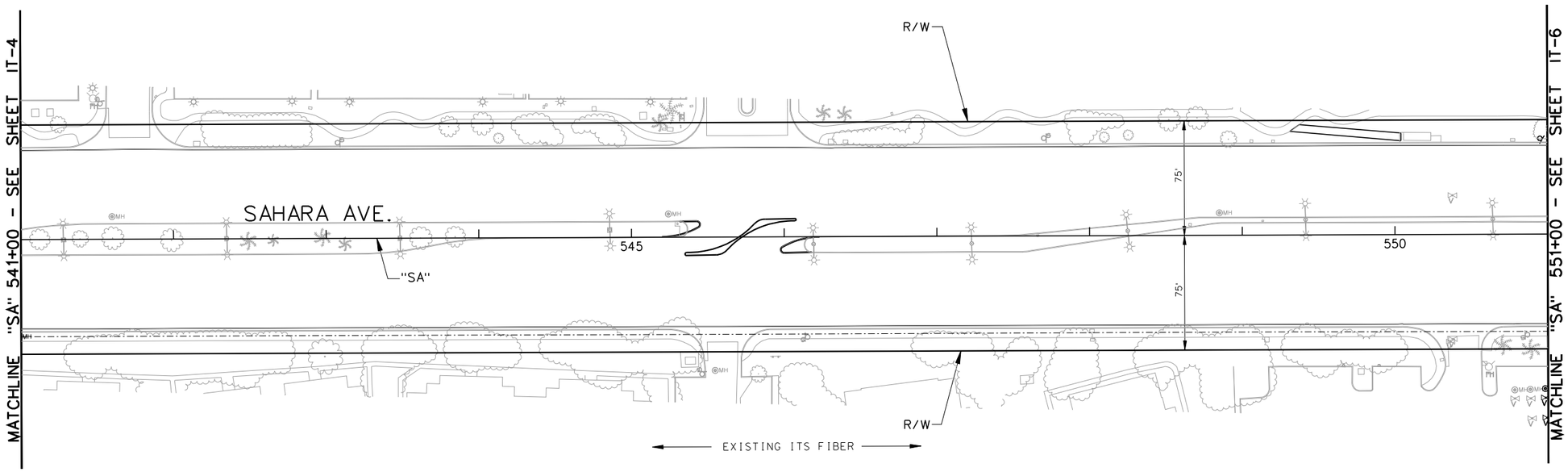
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

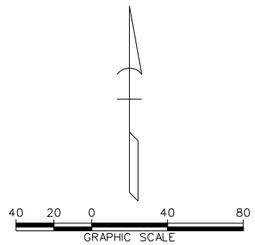
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SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
IT-4
Sheet 510 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 541+00 to "SA" 551+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

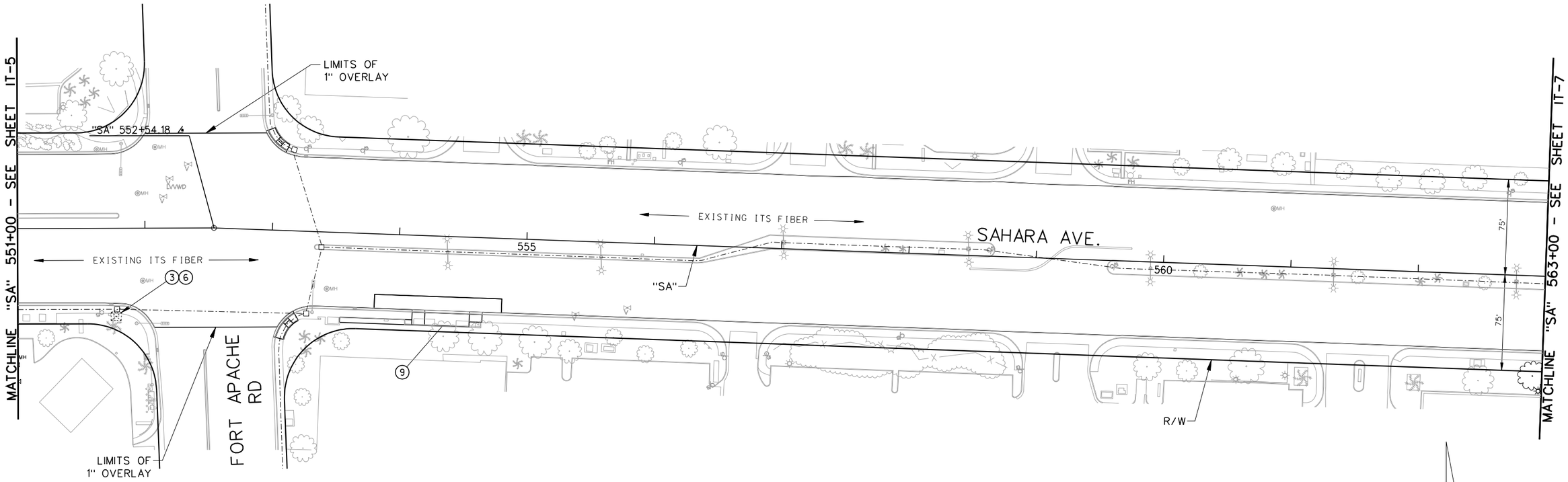
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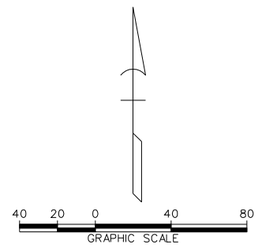
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-5

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.
2. SEE SHEET T-4 AND T-4A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
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AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 551+00 to "SA" 563+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

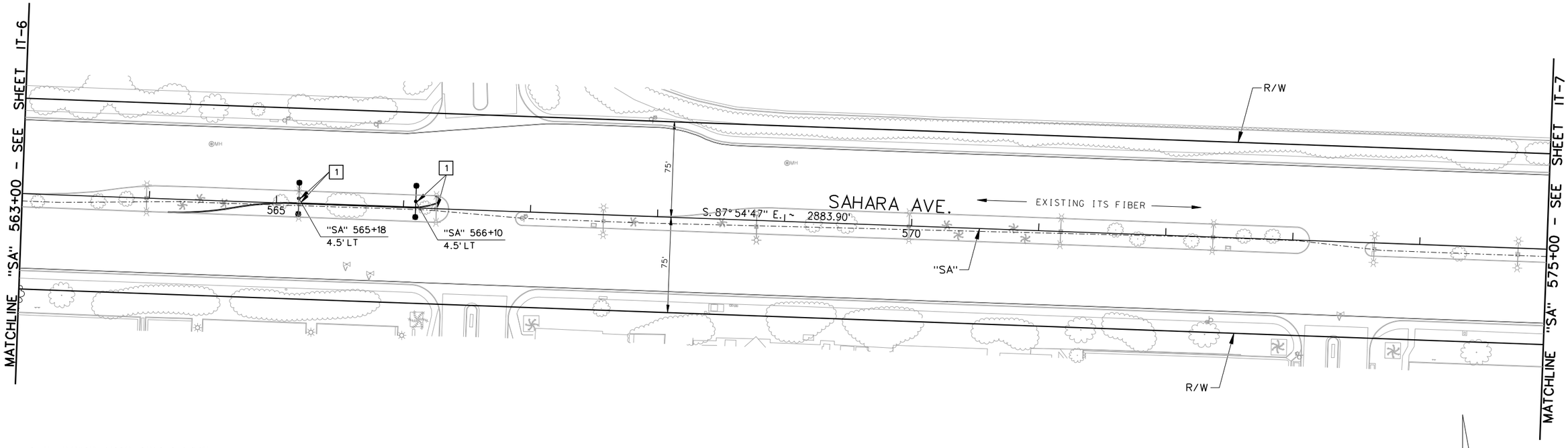
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

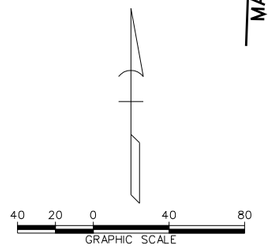
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HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-6

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 563+00 to "SA" 575+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: ALB CHECKED BY: RFP
APPROVED BY RJP

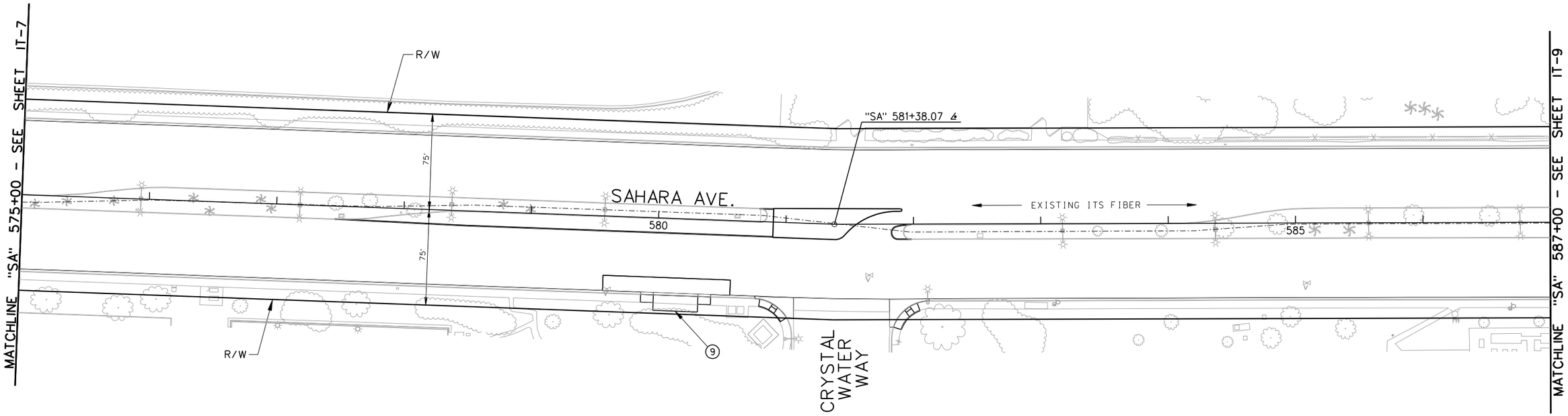
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

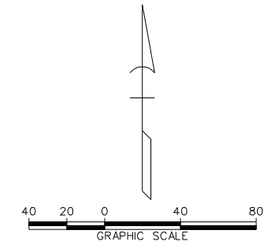
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VERT : NONE
FIELD BOOK : NONE

SHEET No. IT-7

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 575+00 to "SA" 587+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: ALB CHECKED BY: RFP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

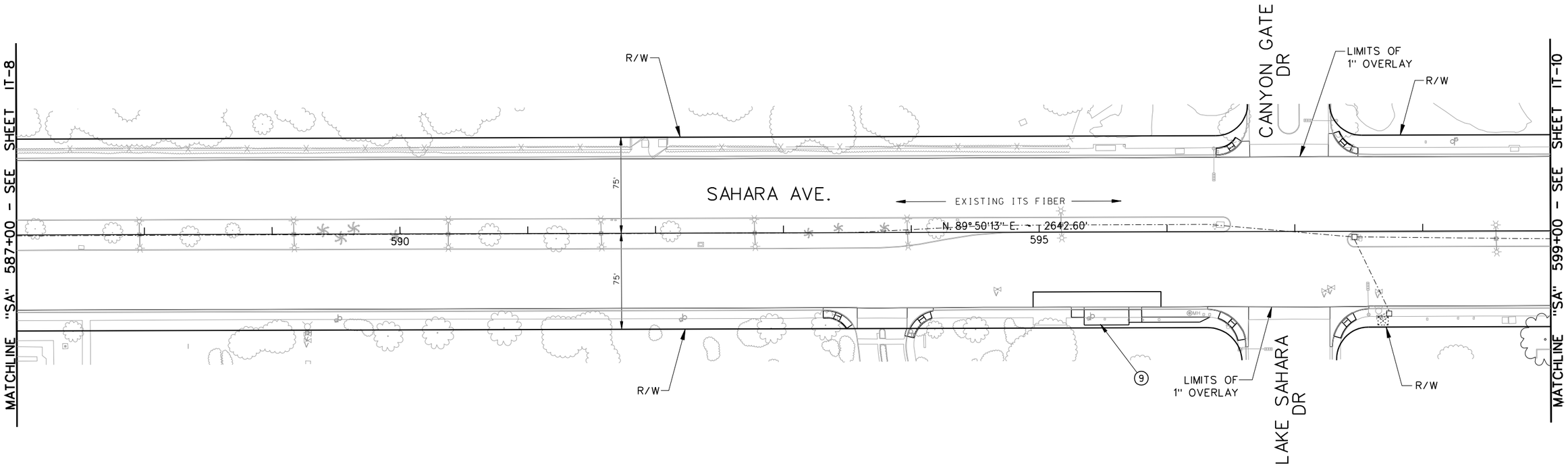
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VERT: NONE
FIELD BOOK: NONE

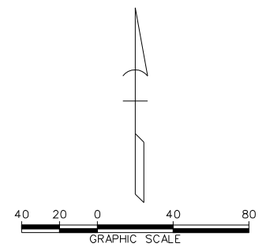
SHEET No. IT-8

Sheet 514 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
PRIORITY AND NATIONAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 587+00 to "SA" 599+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

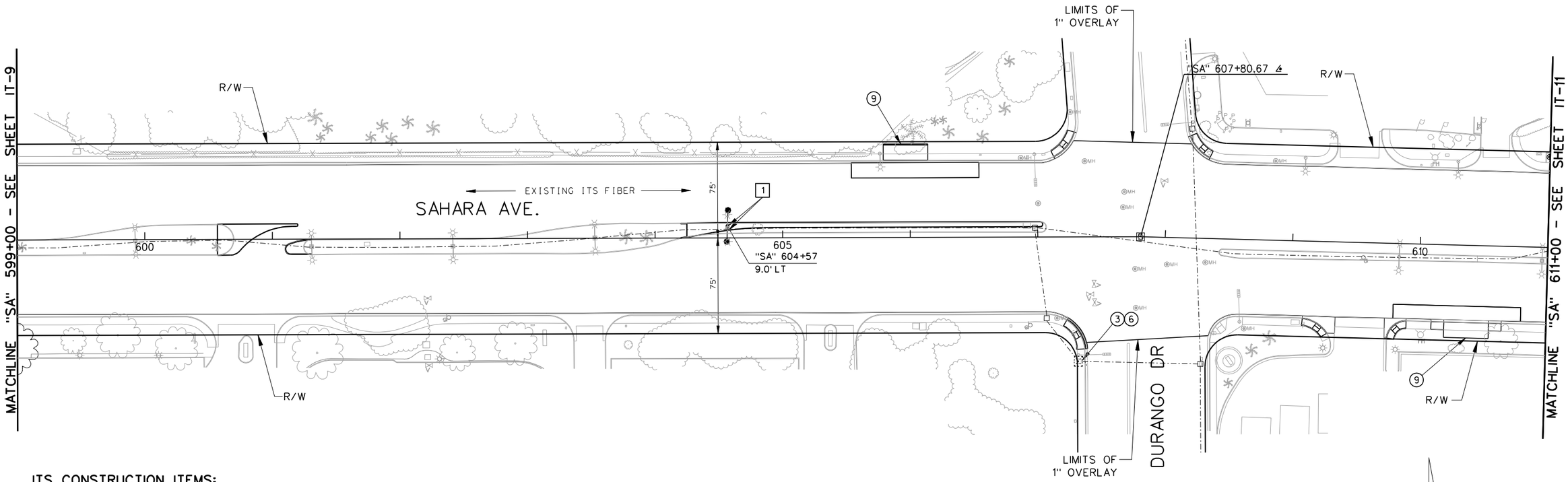
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No.
IT-9
Sheet 515 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.
2. SEE SHEET T-6 AND T-6A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 599+00 to "SA" 611+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

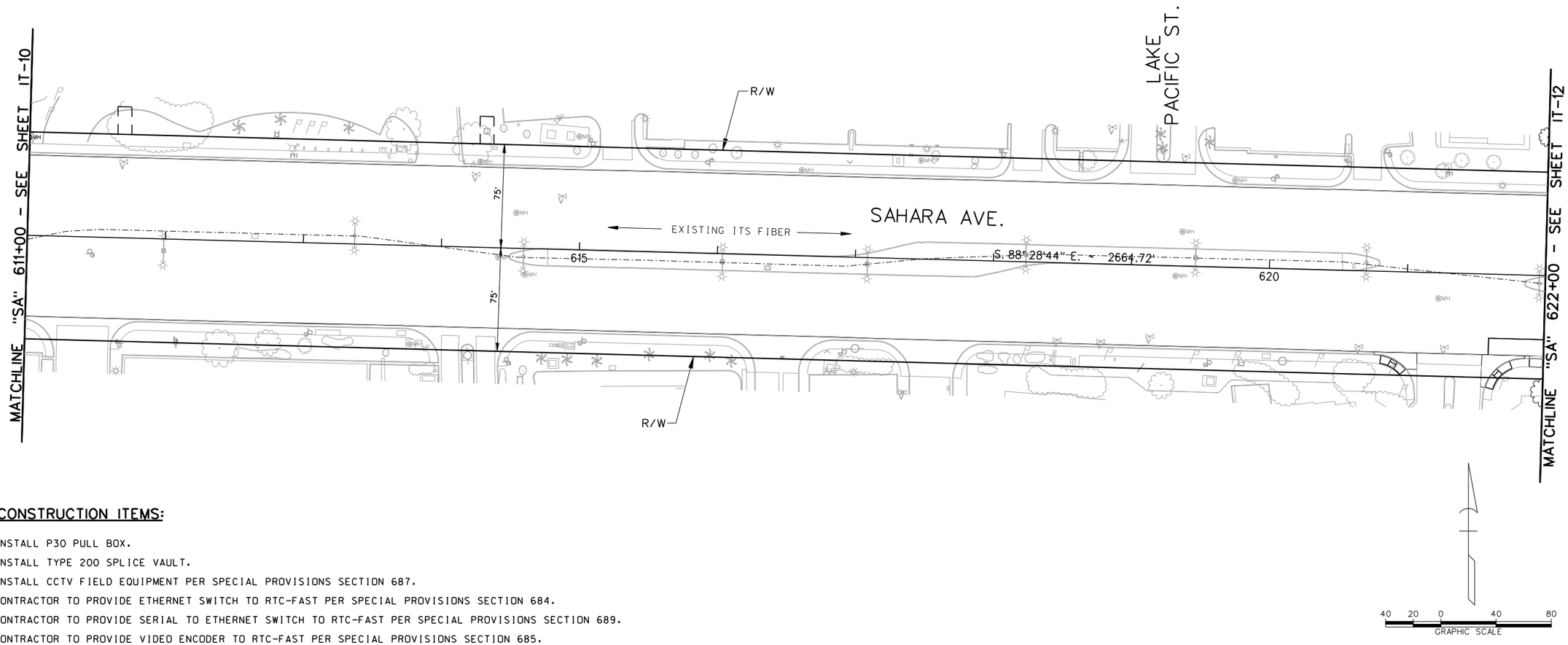
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. IT-10

Sheet 516 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 611+00 to "SA" 622+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

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500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

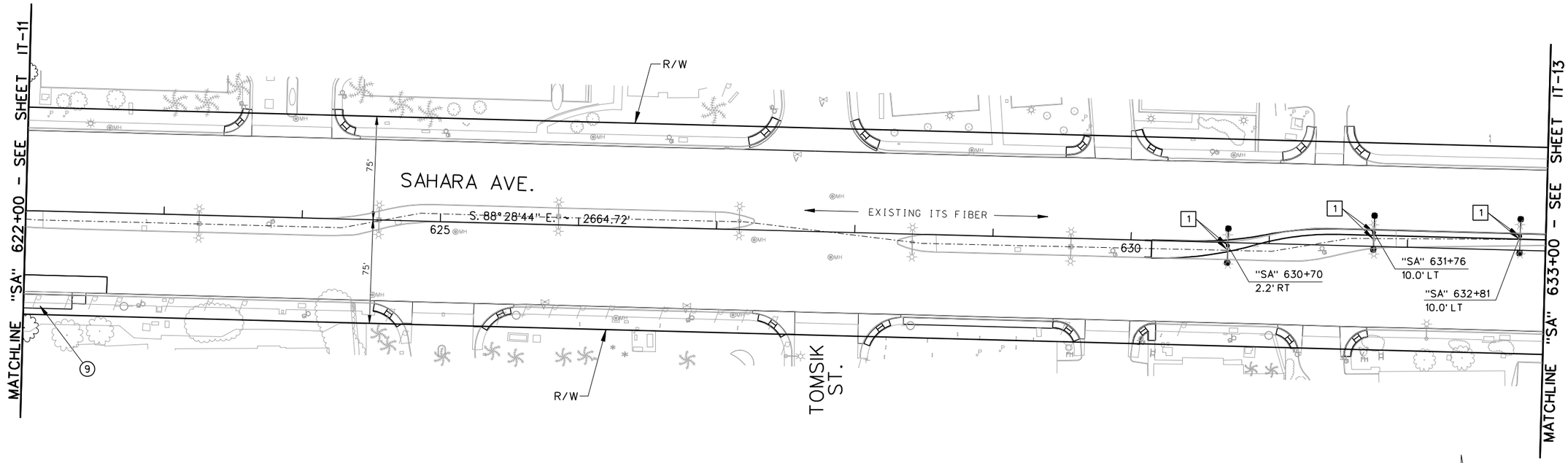
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VERT: NONE
FIELD BOOK: NONE

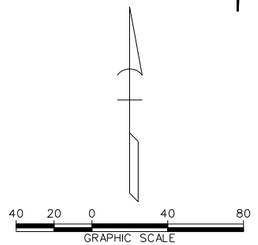
SHEET No. IT-11

Sheet 517 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
Call BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN
"SA" 622+00 to "SA" 633+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

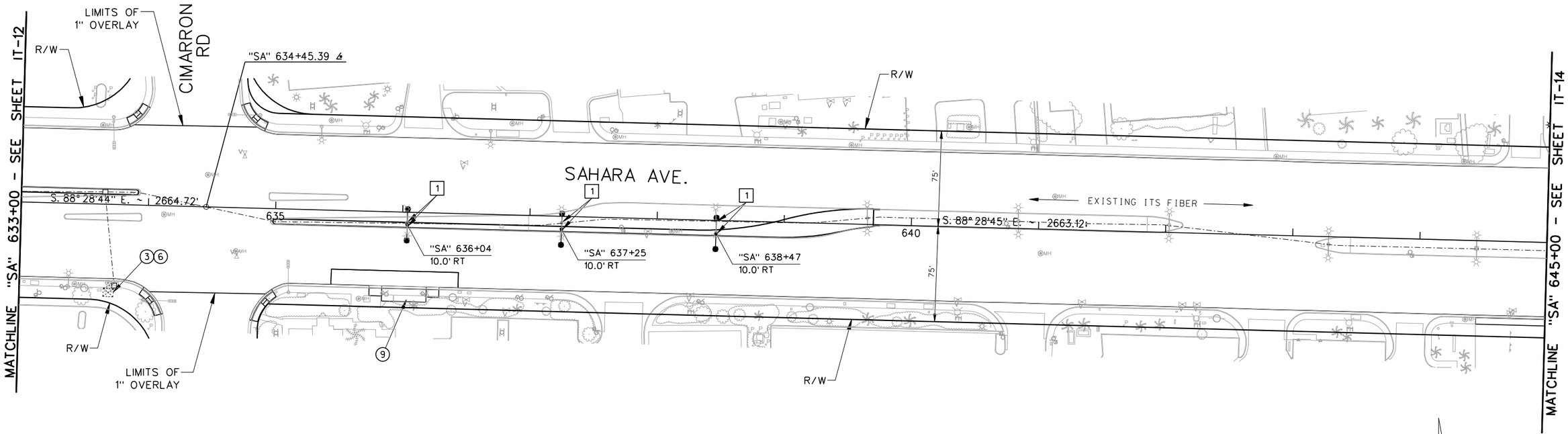
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-12
Sheet 518 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.
2. SEE SHEET T-7 AND T-7A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 633+00 to "SA" 645+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

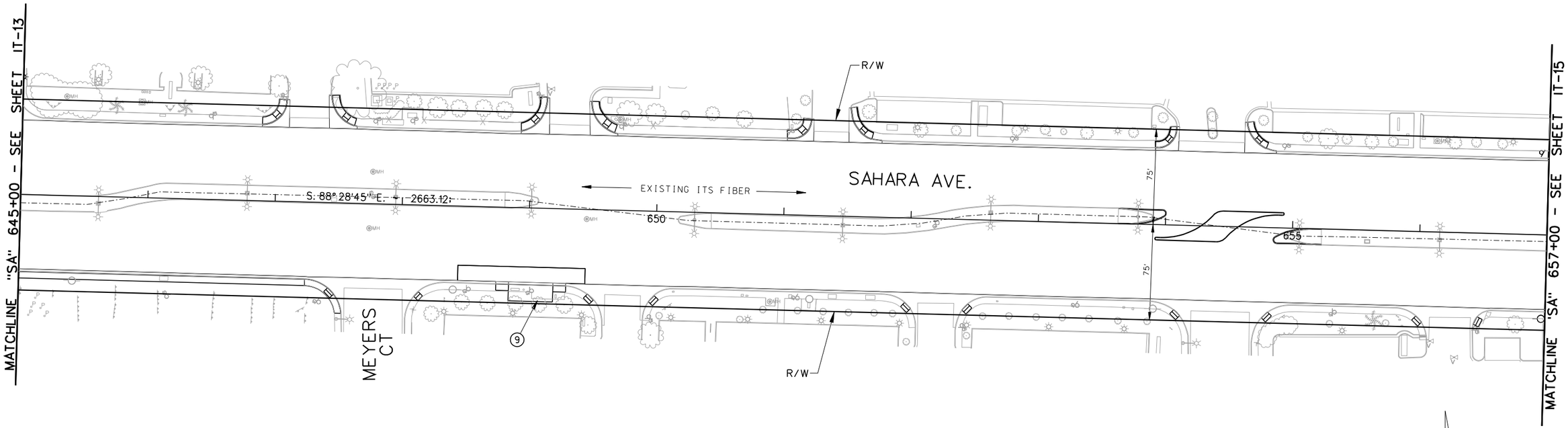
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

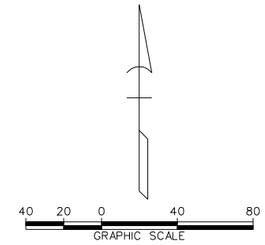
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-13

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

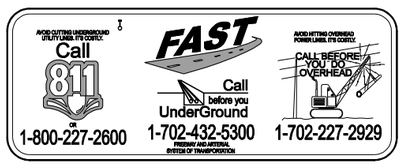
1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 645+00 to "SA" 657+00

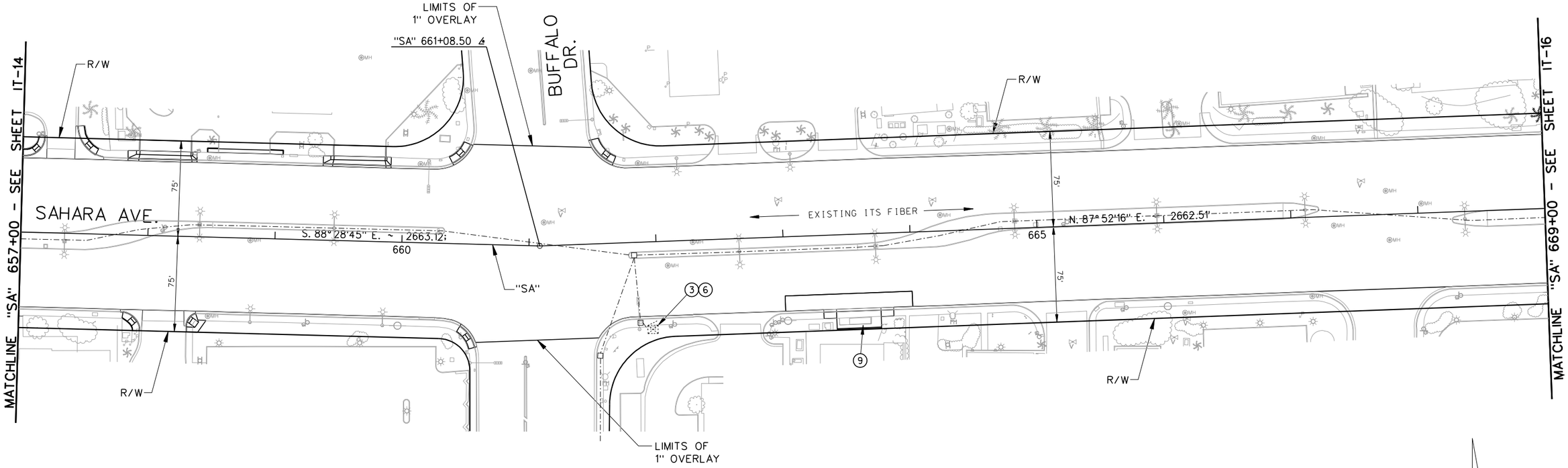
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

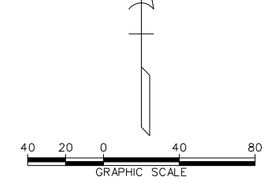
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8832 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-14





ITS CONSTRUCTION ITEMS:

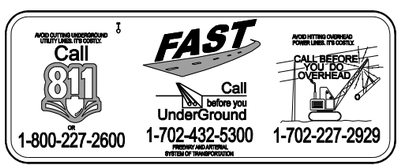
(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.
2. SEE SHEET T-8 AND T-8A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AS - BUILT - 05.31.2012

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

IT AND LIGHTING PLAN

"SA" 657+00 to "SA" 669+00

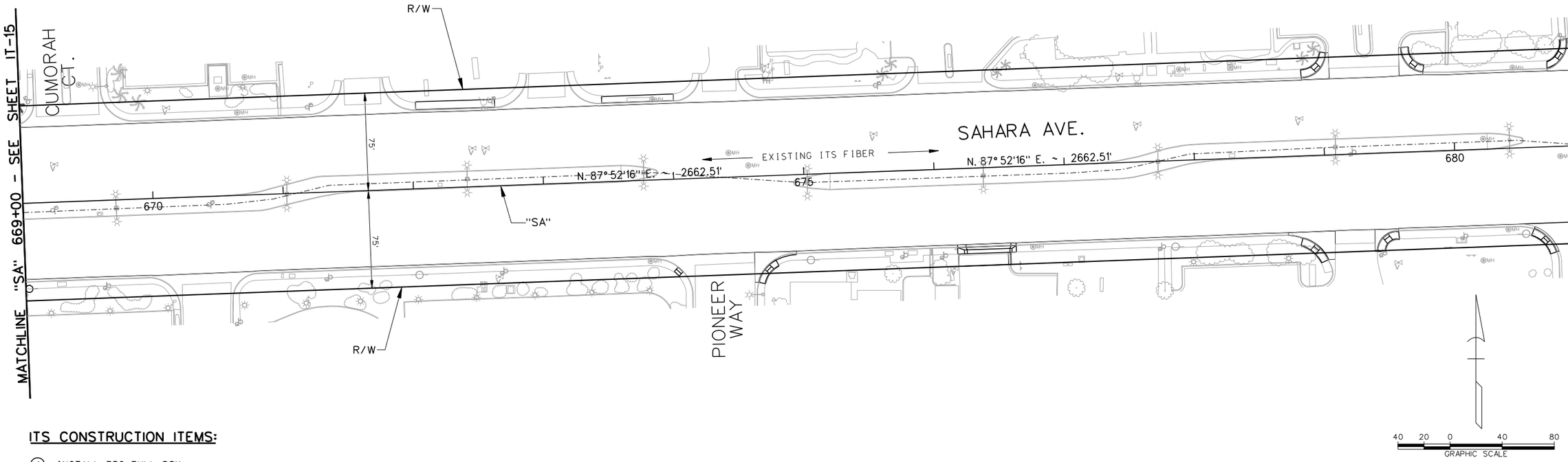
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
IT-15



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

IT AND LIGHTING PLAN

"SA" 657+00 to "SA" 681+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

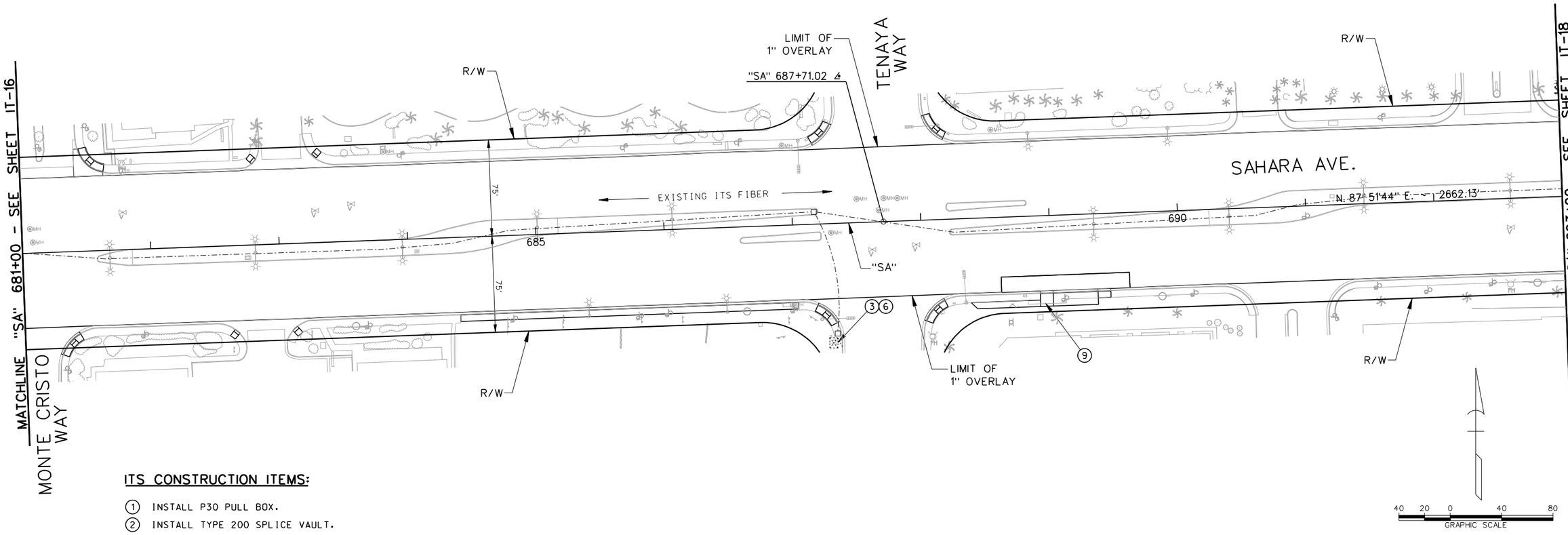
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-16

Sheet 522 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.
2. SEE SHEET T-9 AND T-9A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 681+00 to "SA" 693+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

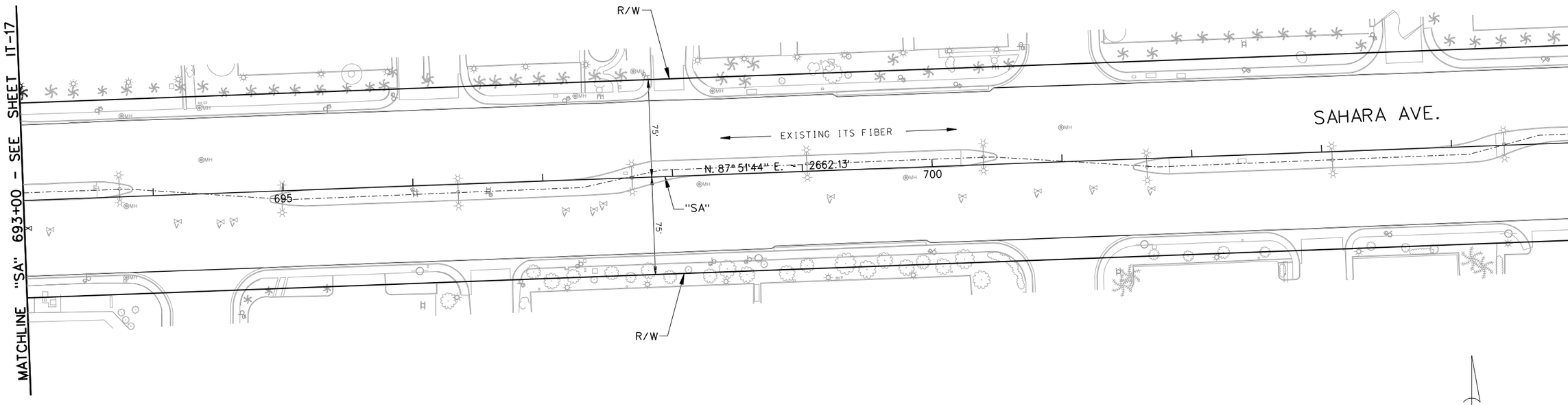
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

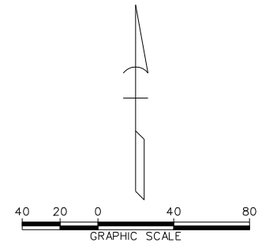
SHEET No. IT-17

Sheet 523 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL
Call 811 OR 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 693+00 to "SA" 705+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

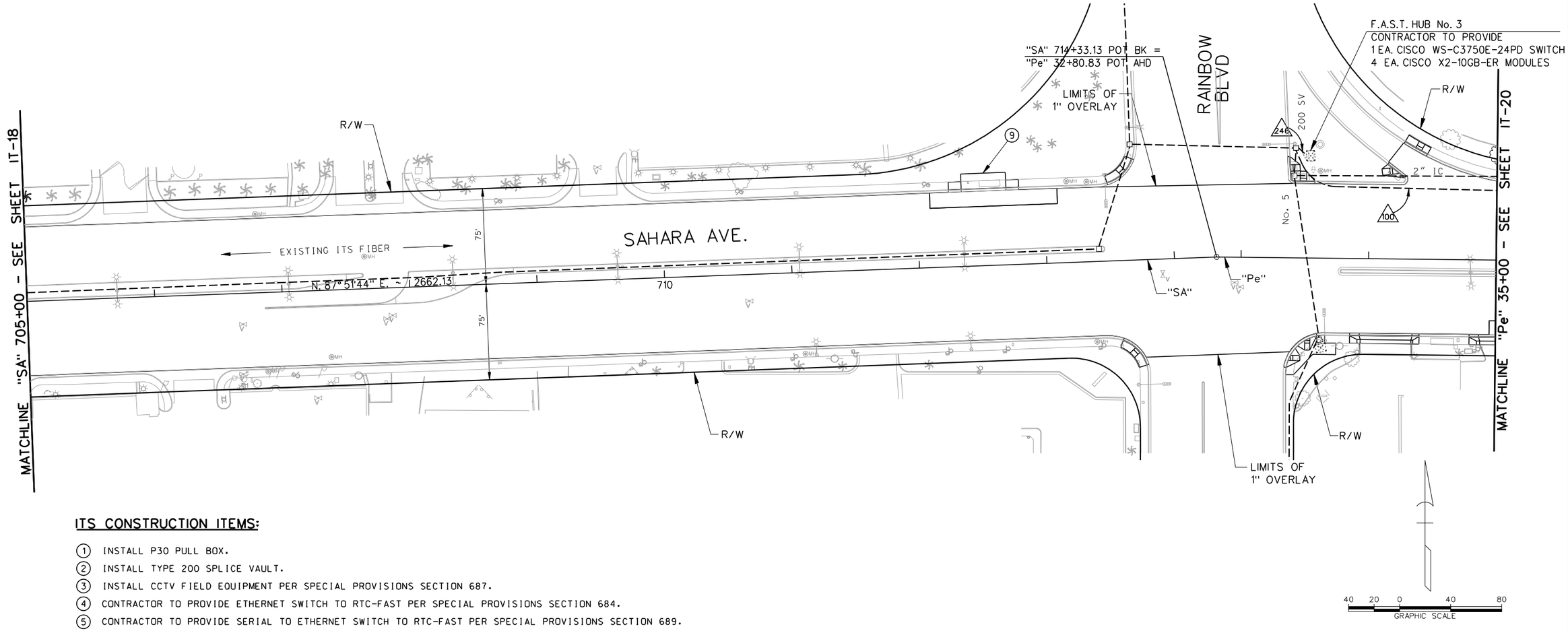
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-18

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

1. REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT FROM HUALAPAI WAY TO RAINBOW BLVD. EXISTING FIBER SYSTEM NOT MODIFIED UNLESS OTHERWISE SHOWN.
2. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
3. SEE SHEET T-10 AND T-10A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.

Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"SA" 705+00 to "Pe" 35+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

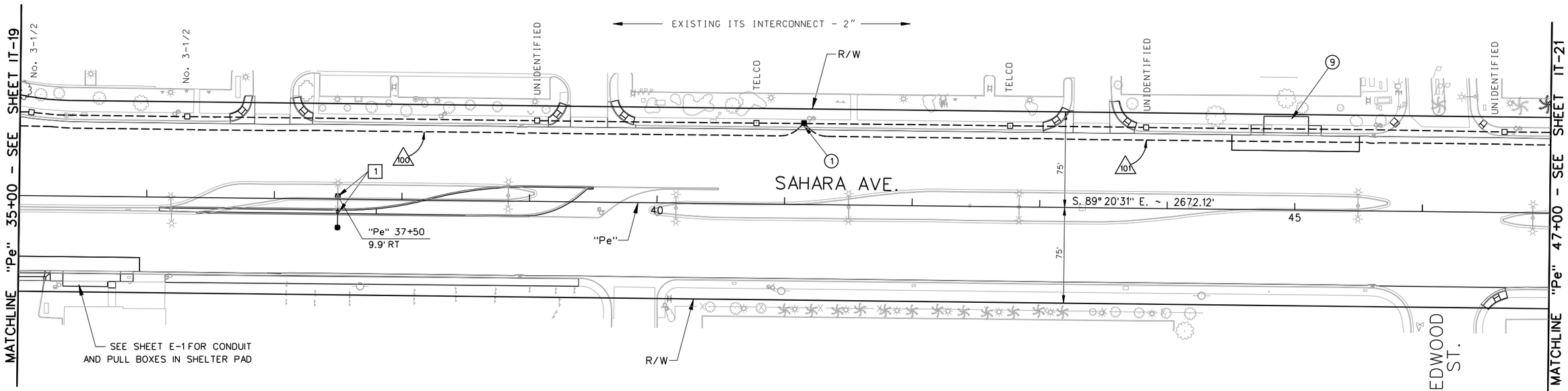
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. IT-19

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.

40 20 0 40 80
GRAPHIC SCALE

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN
"Pe" 35+00 to "Pe" 47+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

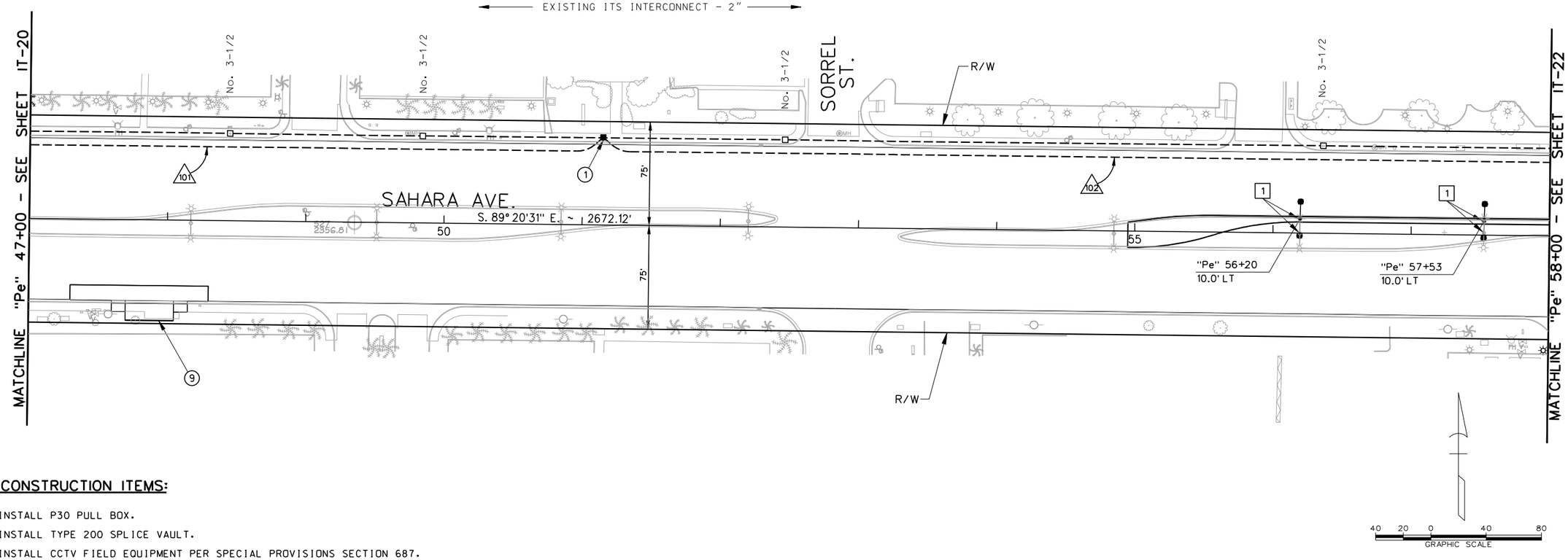
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-20
Sheet 526 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"Pe" 47+00 to "Pe" 58+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

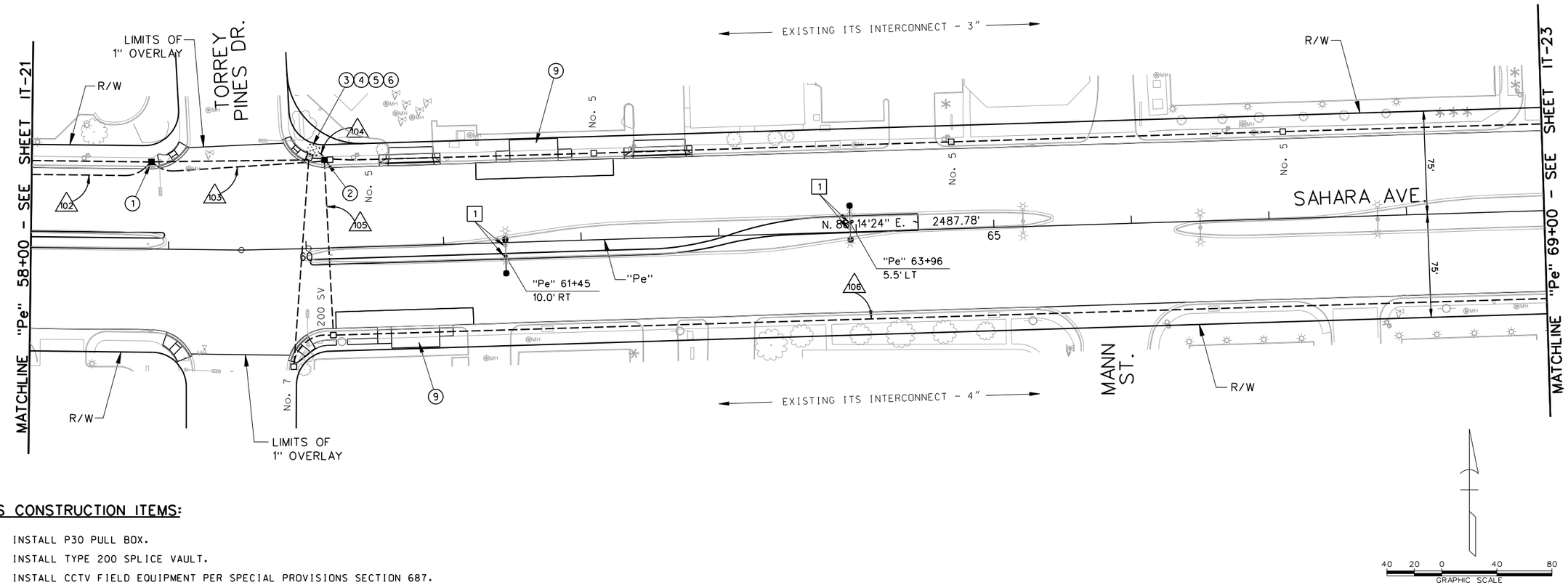
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-21

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET T-11 AND T-11A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-61 FOR TORREY PINES SPLICE DIAGRAM.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"Pe" 58+00 to "Pe" 69+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

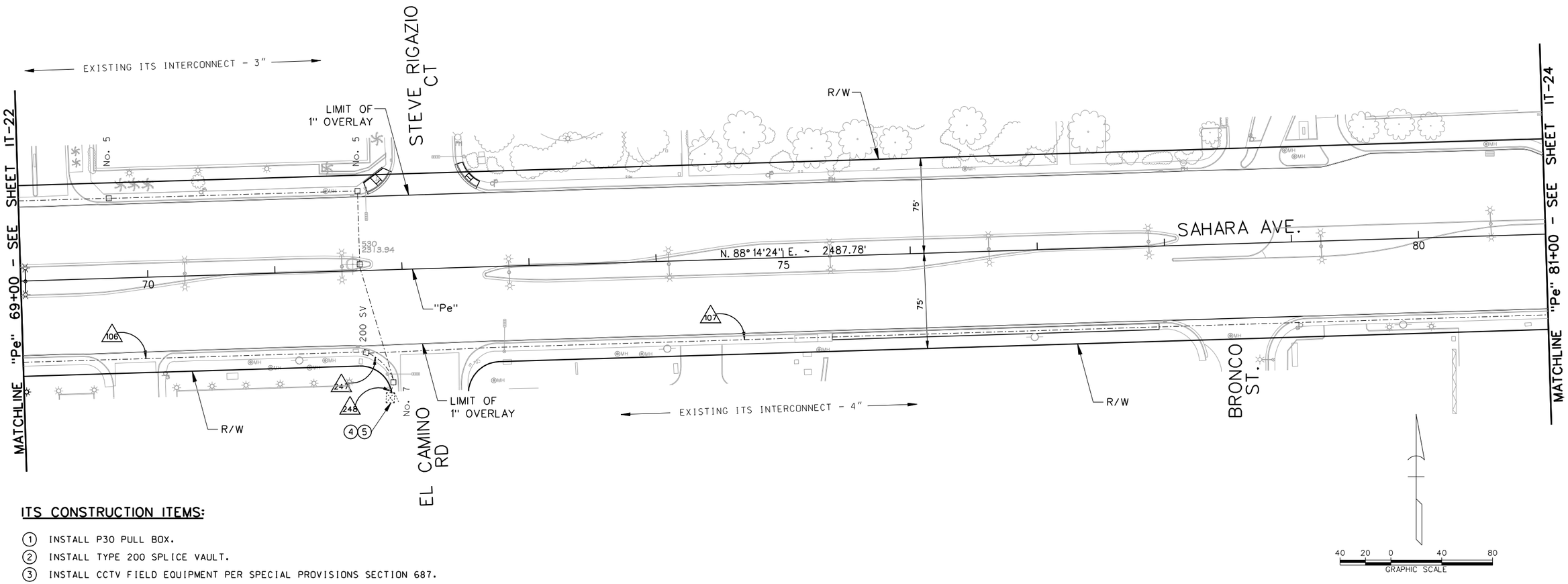
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-22

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

1. REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET IT-61 FOR EL CAMINO SPLICE DIAGRAM.

Avoid cutting underground utility lines. It's costly. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 Freeway and Arterial System of Transportation

Avoid hitting overhead power lines. It's costly. Call before you do overhead 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"Pe" 69+00 to "Pe" 93+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

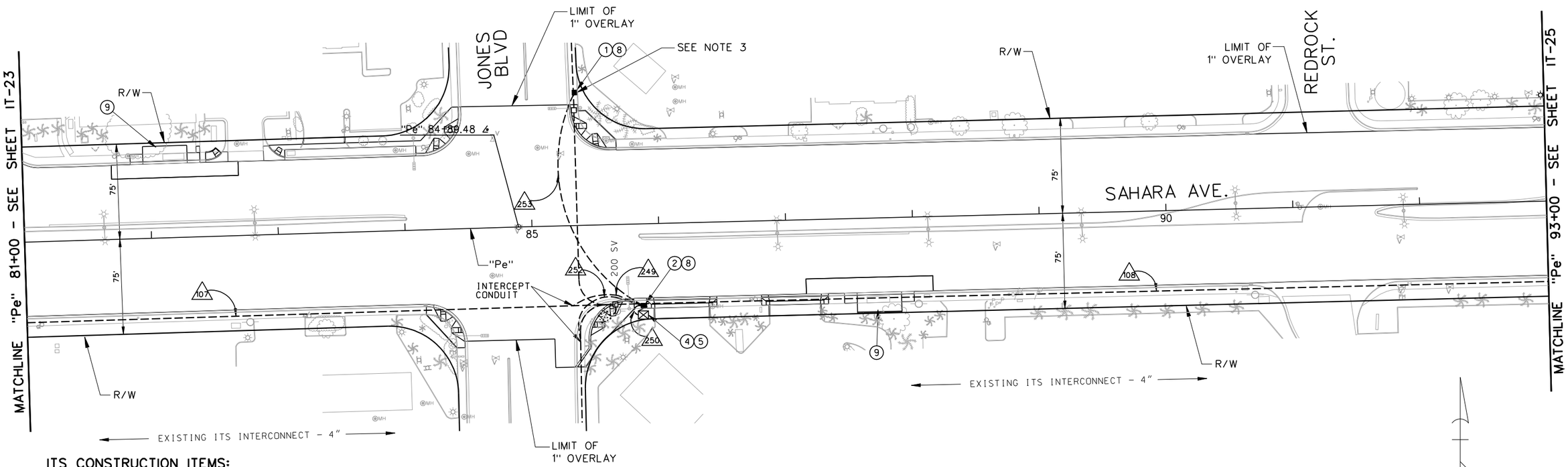
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-23

Sheet 529 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

1. REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET IT-61 FOR JONES BLVD SPLICE DIAGRAM.
3. NEW BOXES AND INTERCEPTS AT NORTHEAST AND SOUTHEAST CORNERS INSTALLED IN COORDINATION WITH CLV JONES BLVD WIDENING PROJECT. NORTHEAST CORNER P30 PULL BOX SHALL BE INSTALLED AT BACK OF WALK.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — Call before you DIG OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"Pe" 81+00 to "Pe" 93+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

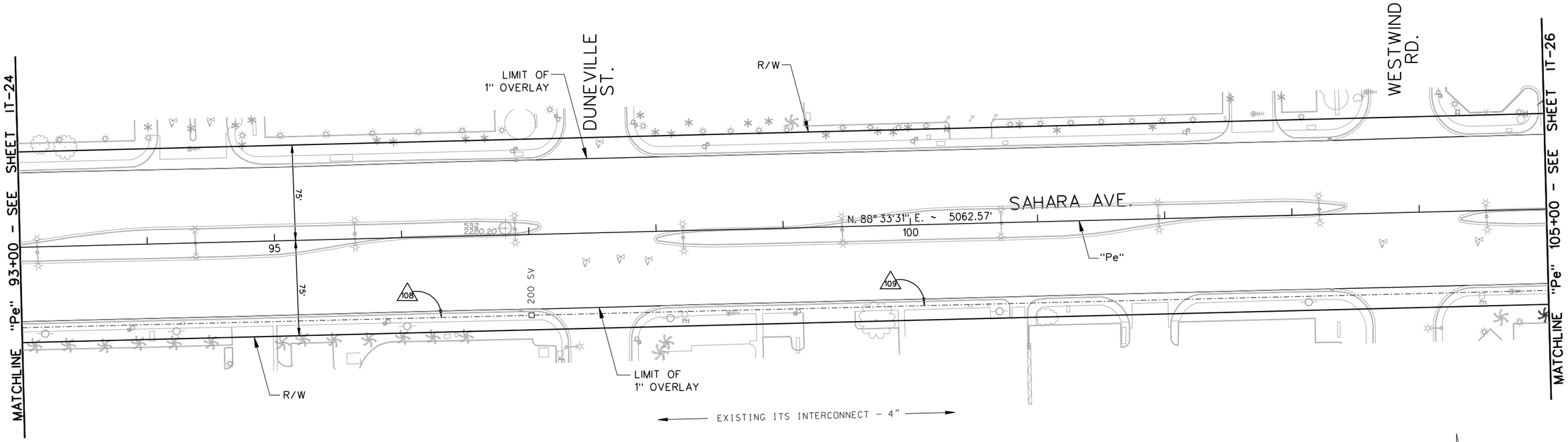
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VERT : NONE
FIELD BOOK : NONE

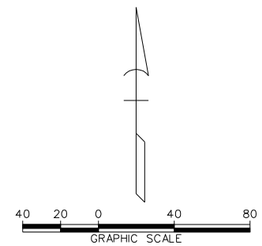
SHEET No. IT-24

Sheet 530 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

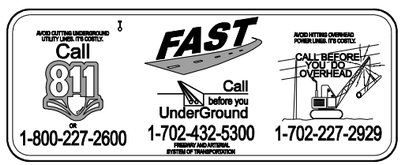
(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.



AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN
"Pe" 93+00 to "Pe" 105+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

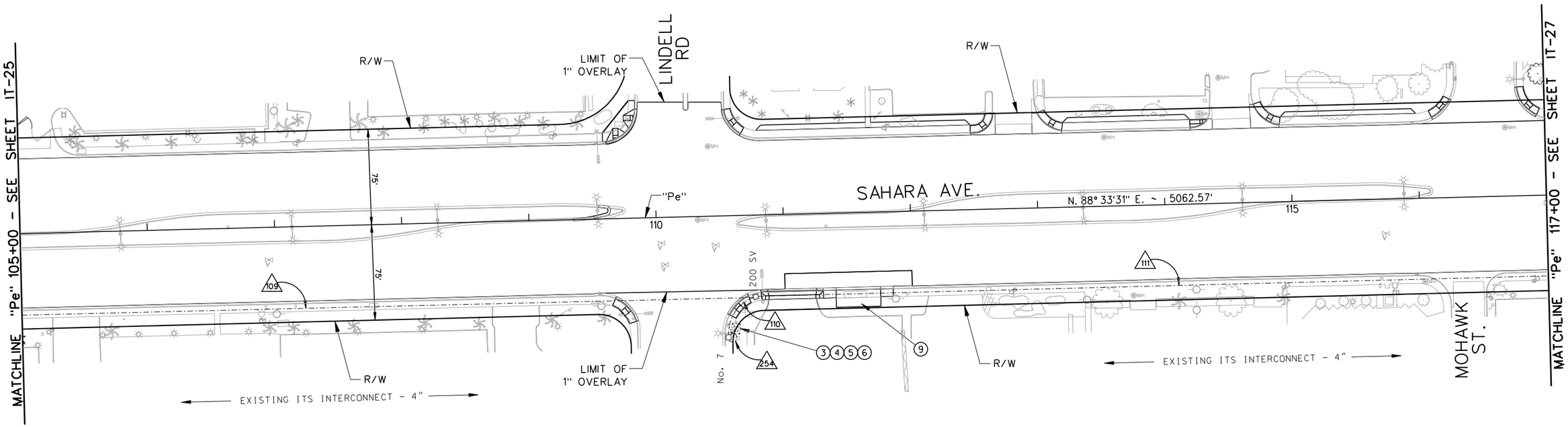
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. IT-25
Sheet 531 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET T-29 AND T-29A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-61 FOR LINDELL RD SPLICE DIAGRAM.

40 20 0 40 80
GRAPHIC SCALE

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND INTERNAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN
"Pe" 105+00 to "Pe" 117+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

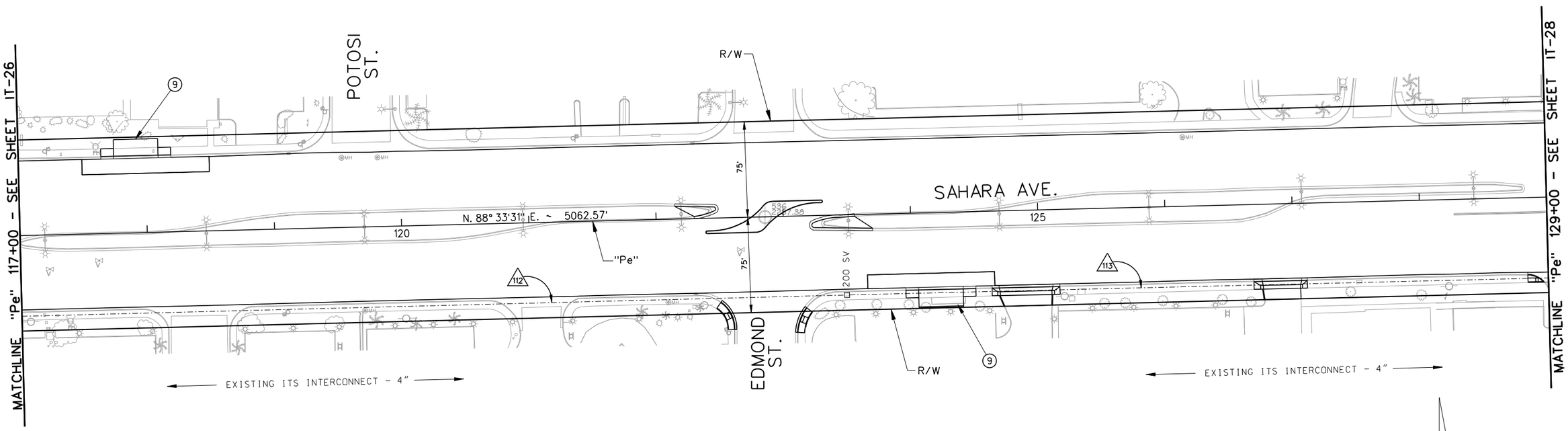
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DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

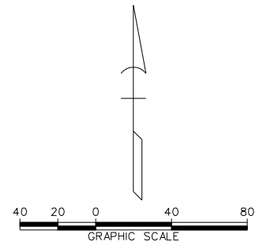
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-26

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CONTROL
Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S CONTROL
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

"Pe" 117+00 to "Pe" 129+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

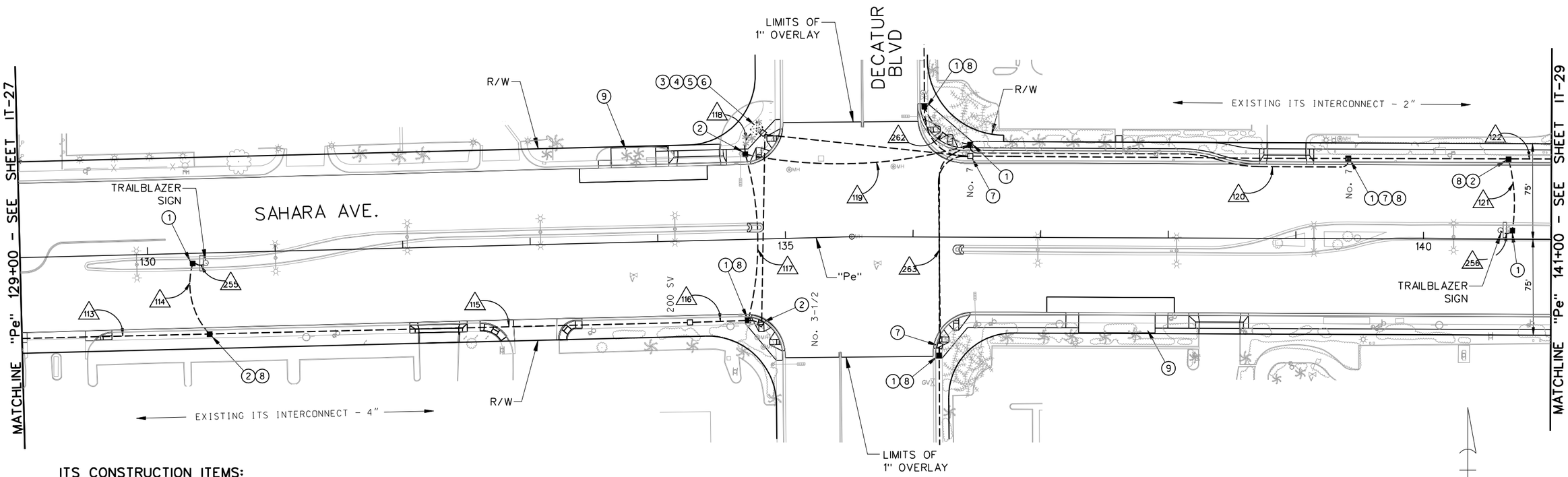
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. IT-27

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET T-13 AND T-13A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-61 FOR DECATUR BLVD AND "TRAILBLAZER" SPLICE DIAGRAMS.

Call 811 OR 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLANS
"Pe" 129+00 to "Pe" 141+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

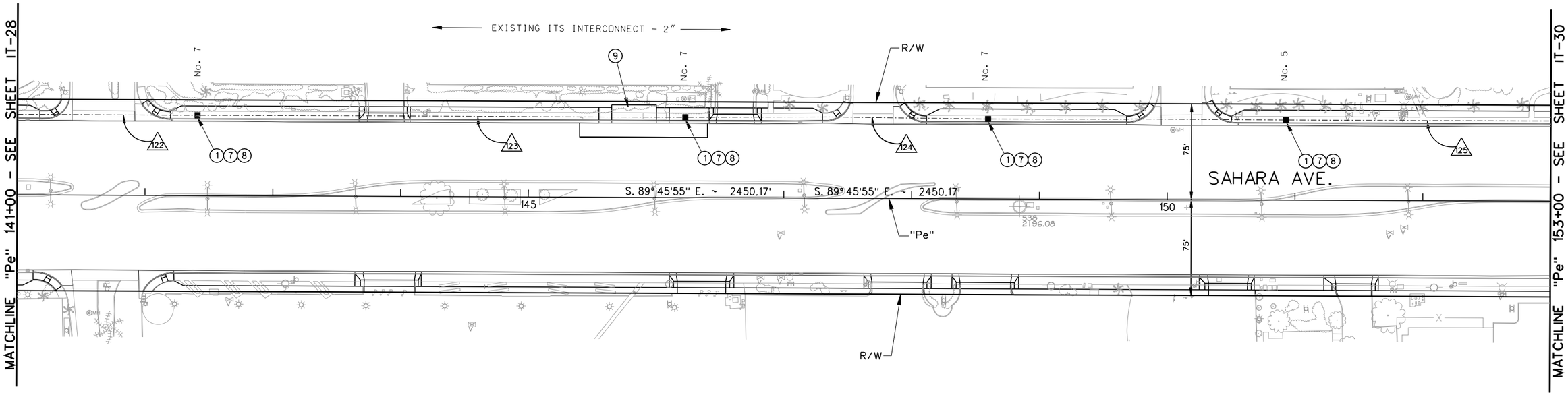
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-28
Sheet 534 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

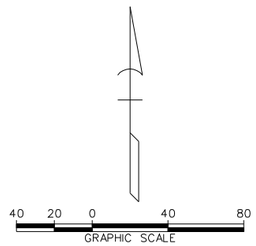
1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

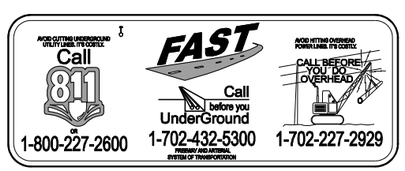
LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.





AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"Pe" 141+00 to "Pe" 165+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

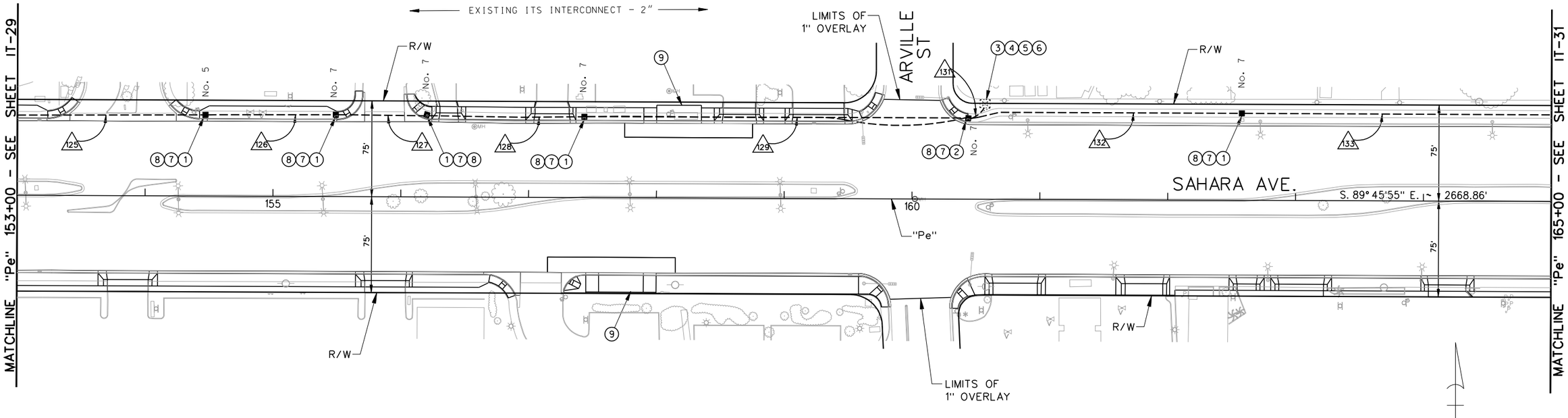
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

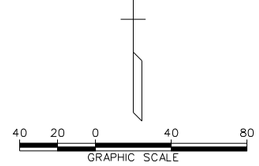
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-29

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET T-14 AND T-14A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-61 FOR ARVILLE ST SPLICE DIAGRAM.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 or 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
PRIMARY AND INTERIM SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN
"Pe" 153+00 to "Pe" 165+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

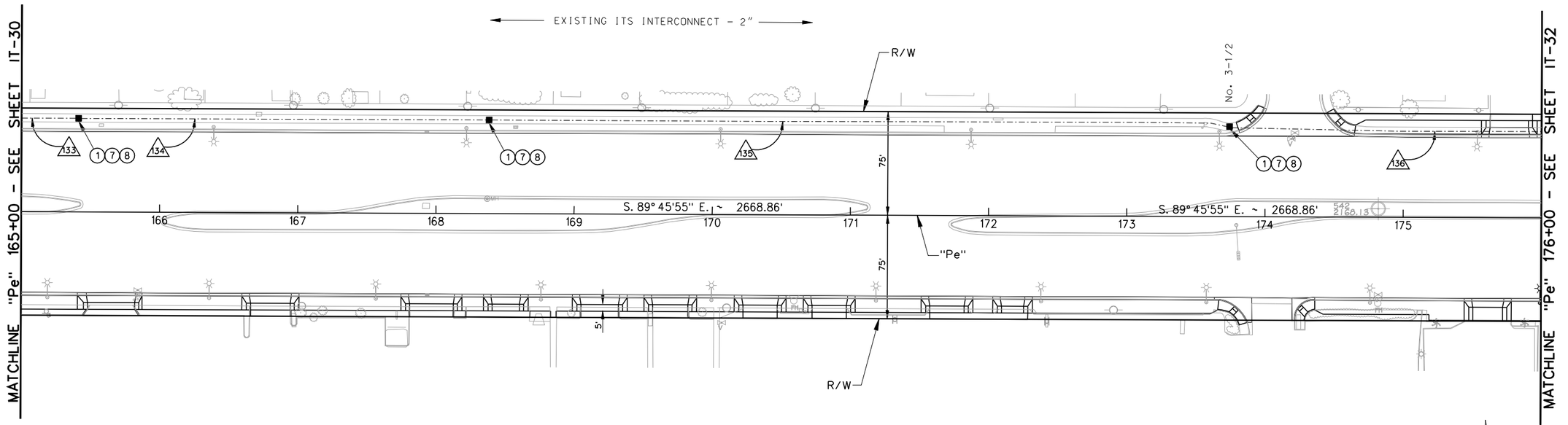
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

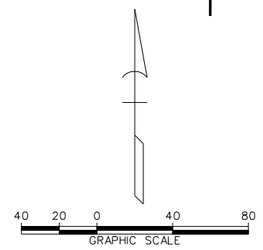
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-30

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

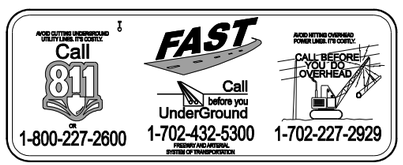
1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"Pe" 165+00 to "Pe" 188+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. IT-31

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

APPROVED BY:

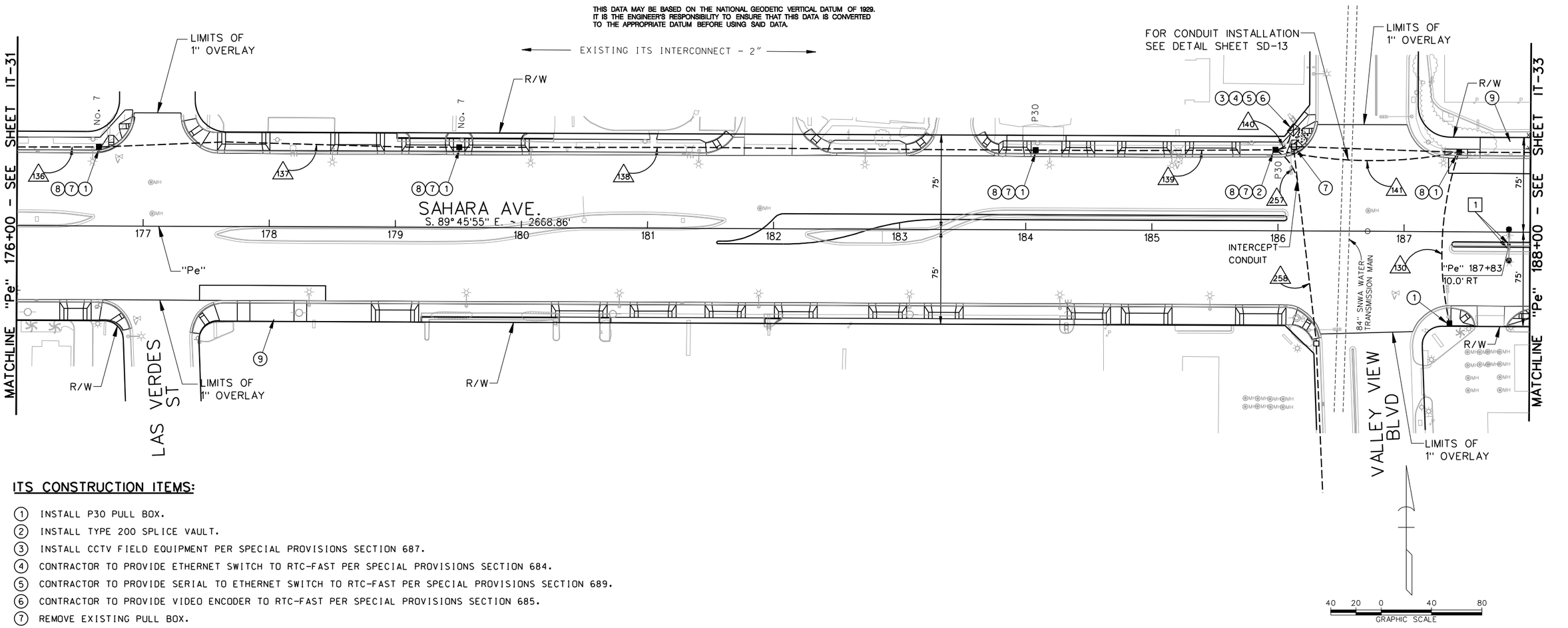
Signature On File — SOUTHERN NEVADA WATER AUTHORITY — 3/3/2011 — DATE

SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

SNWA CONSTRUCTION NOTES:

CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWASNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AVAR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AVAR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, AT (702) 862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

THIS DATA MAY BE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. IT IS THE ENGINEER'S RESPONSIBILITY TO ENSURE THAT THIS DATA IS CONVERTED TO THE APPROPRIATE DATUM BEFORE USING SAID DATA.



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET T-15 AND T-15A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-61 FOR VALLEY VIEW BLVD SPLICE DIAGRAM.
4. NEW BOXES AND INTERCEPTS INSTALLED IN COORDINATION WITH CLV VALLEY VIEW BLVD WIDENING PROJECT.
5. SEE SHEET U-32 CONCERNING SNWA MONUMENT.

Avoid cutting underground utility lines. It's costly. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 Freeway and Arterial Systems of Transportation

Avoid hitting overhead power lines. It's costly. Call before you dig overhead 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"Pe" 176+00 to "Pe" 188+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

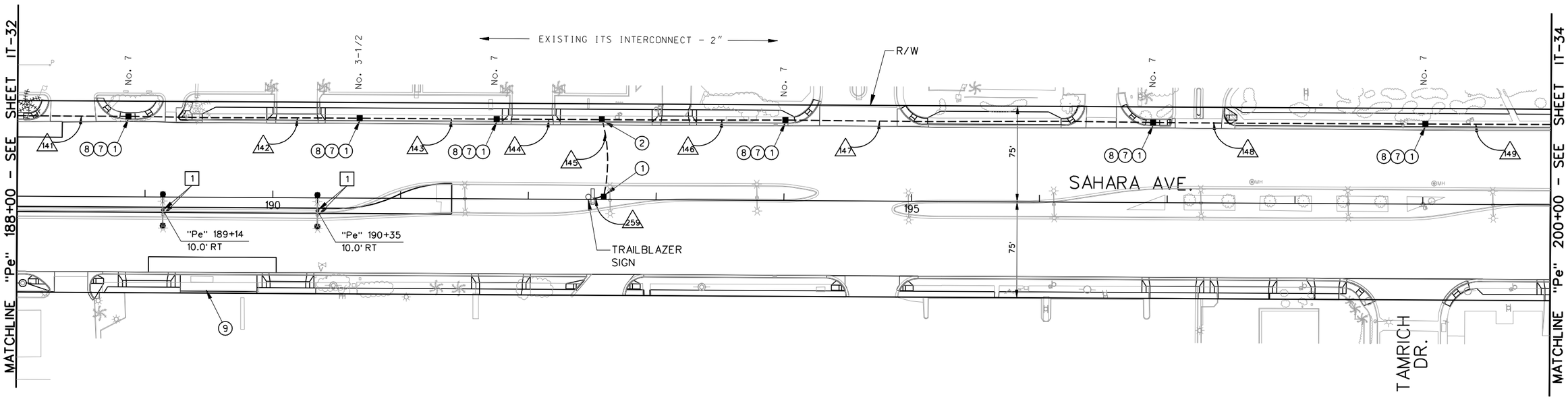
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-32

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET IT-61 FOR "TRAILBLAZER" SPLICE DIAGRAM.

Call 811 or 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN
"Pe" 188+00 to "Pe" 200+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

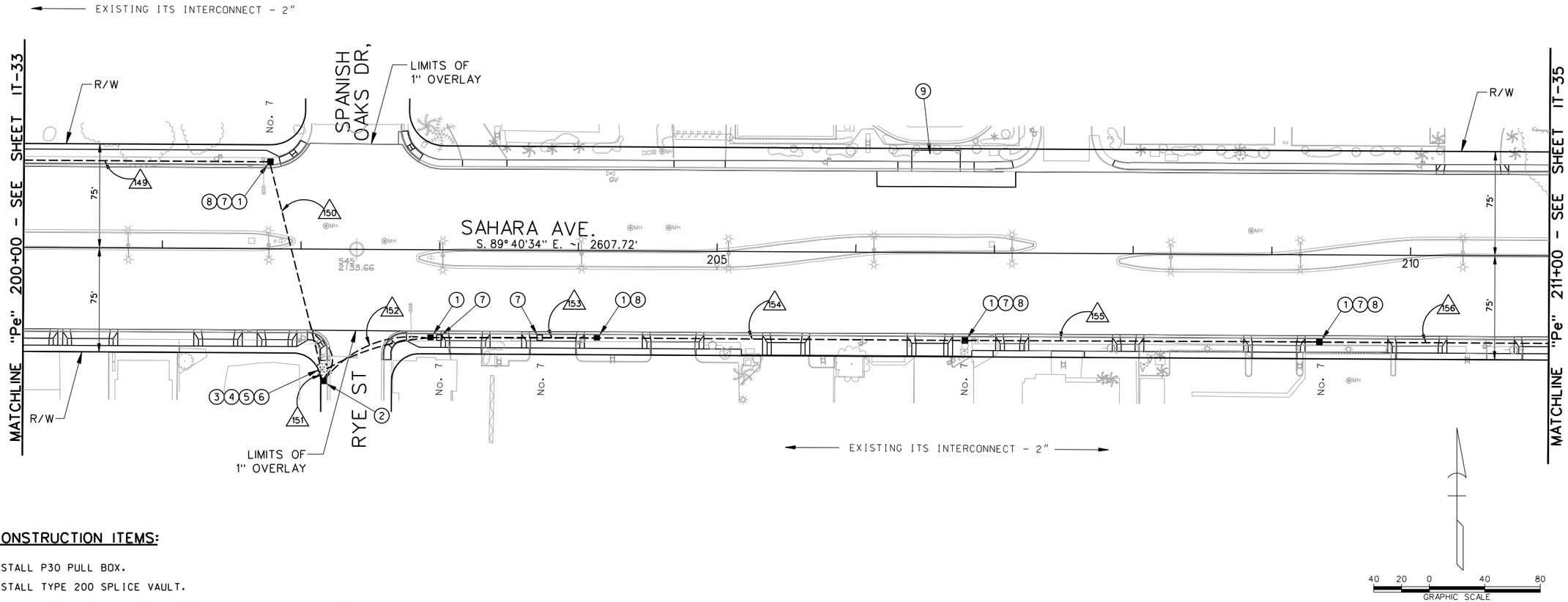
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
IT-33
Sheet 539 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

1. REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET T-16 AND T-16A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-61 FOR SPANISH OAKS/RYE Ssplice DIAGRAM.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"Pe" 200+00 to "Pe" 211+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

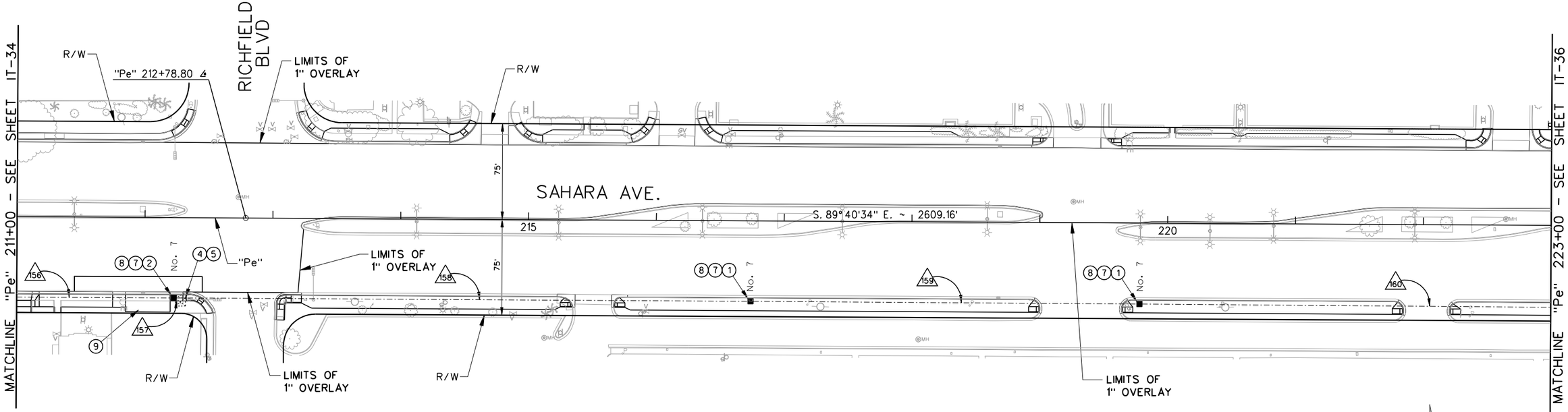
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HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

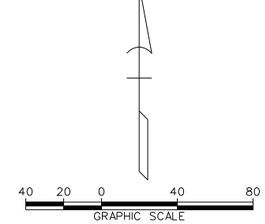
SHEET No. IT-34

Sheet 540 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET IT-61 FOR DECATUR BLVD AND "TRAILBLAZER" SPLICE DIAGRAMS.

Call 811 or 1-800-227-2600
FAST
Call before you UnderGround 1-702-432-5300
Freeway and Arterial System of Transportation
Avoid hitting overhead power lines. It's costly.
Call before you do overhead 1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN
"Pe" 211+00 to "Pe" 223+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

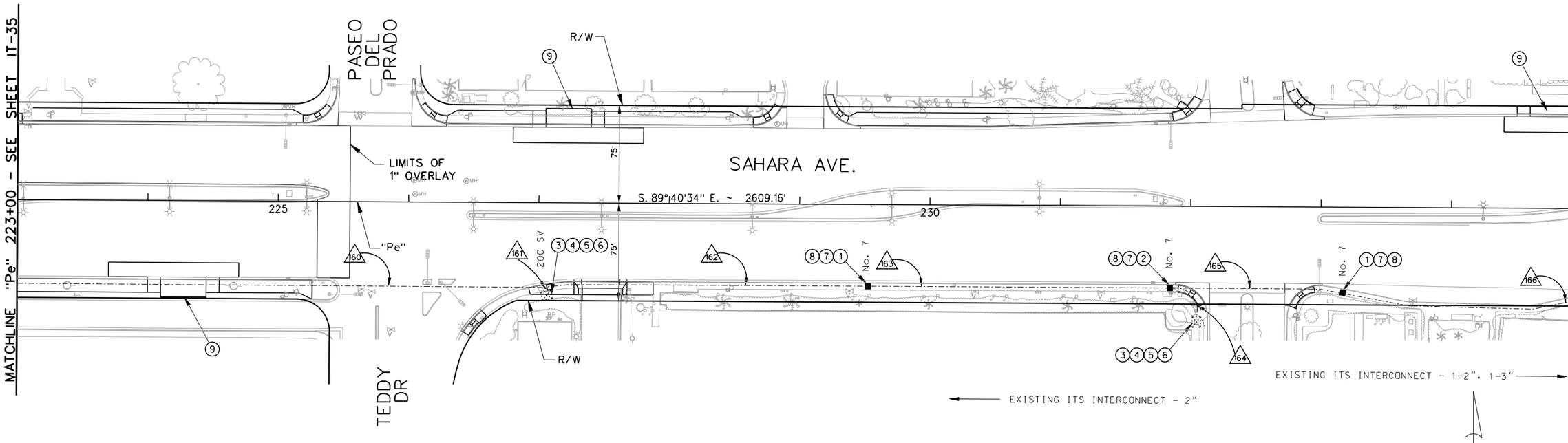
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-35

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET T-18 AND T-18A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION AT TEDDY/PASEO DEL PRADO.
3. SEE SHEET T-19 AND T-19A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION AT PALACE STATION.
4. SEE SHEET IT-61 FOR TEDDY/PASEO DEL PRADO AND PALACE STATION DWY SPLICE DIAGRAMS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"Pe" 223+00 to "Pe" 235+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

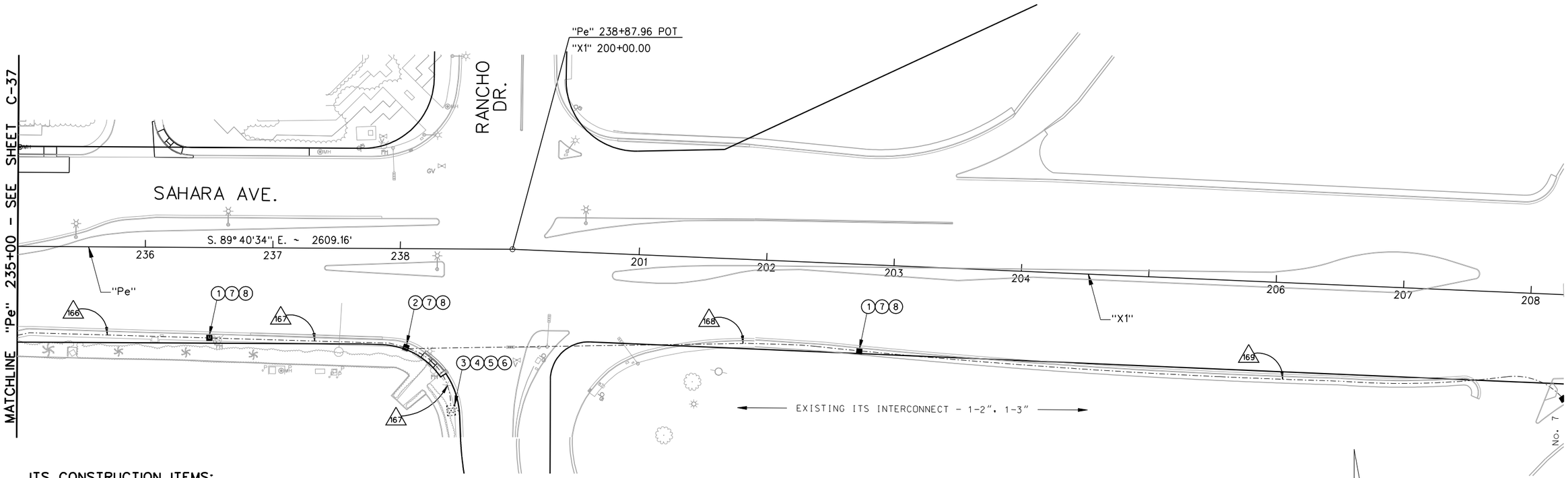
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

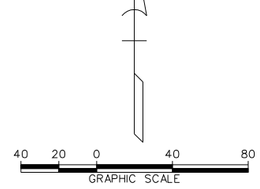
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
IT-36
Sheet 542 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET T-34 FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-61 FOR RANCHO DR SPLICE DIAGRAM.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLAN

"Pe" 235+00 to "Pe" 238+87.96

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

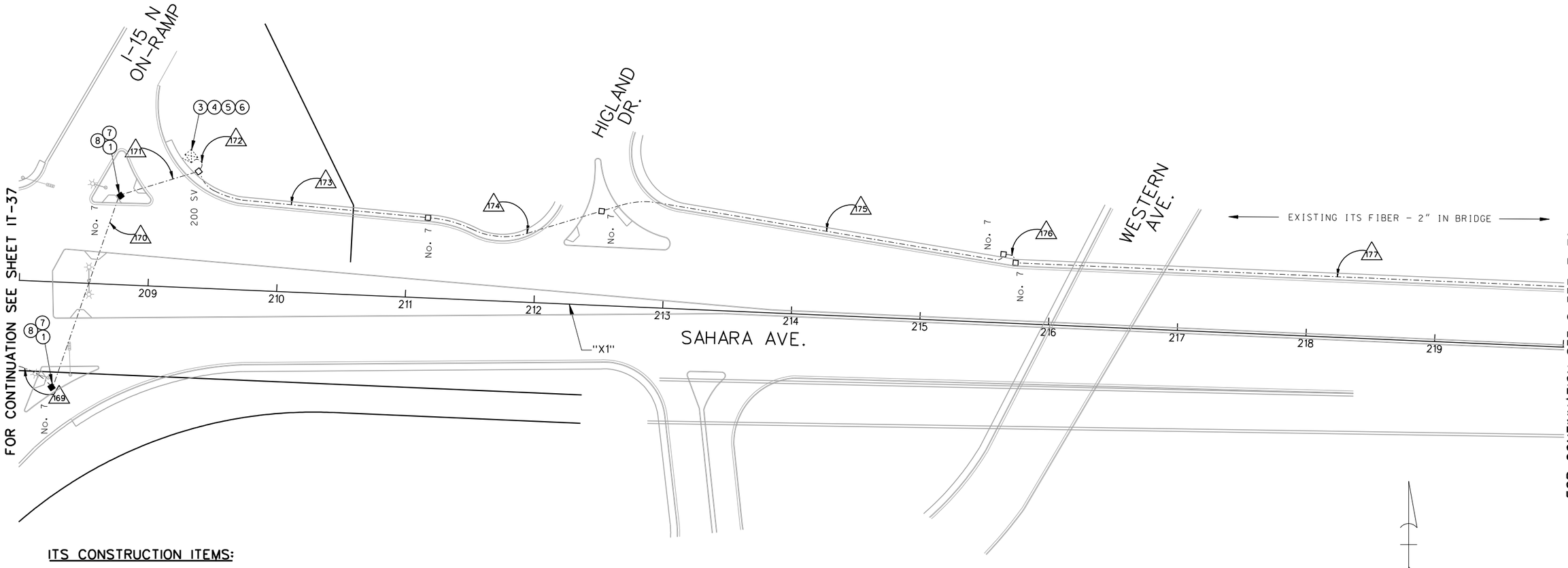
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

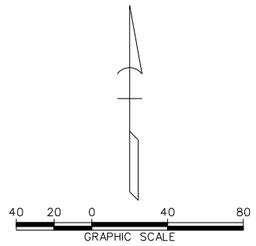
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
IT-37
Sheet 543 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

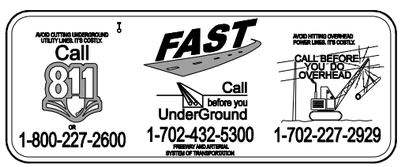
(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM RAINBOW BLVD TO I-15 NB RAMPS.
2. SEE SHEET T-34 FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-63 FOR I-15 SPLICE DIAGRAM.



AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

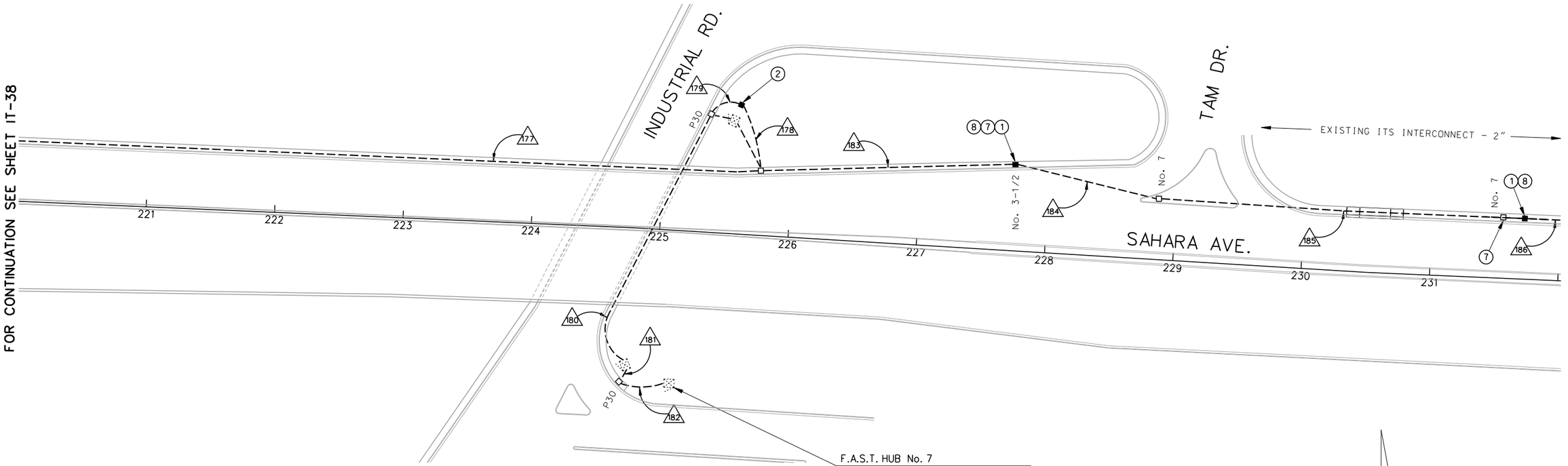
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No.
IT-38
Sheet 544 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012

FOR CONTINUATION SEE SHEET IT-38



FOR CONTINUATION SEE SHEET IT-40

ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. CONTRACTOR SHALL PERFORM A FULL SPLICE BREAKOUT ON THE EXISTING 72 STRAND FIBER OPTIC TRUNK LINE CABLE.
2. CONTRACTOR SHALL CONTACT JESUS "CHUY" MARMOLEJO AT 702-432-5300 ONE WEEK IN ADVANCE OF THE DISCONNECT AND FULL SPLICE OF THE EXISTING 72 STRAND FIBER OPTIC TRUNK LINE CABLE TO THE PROPOSED FTU IN HUB No. 7.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

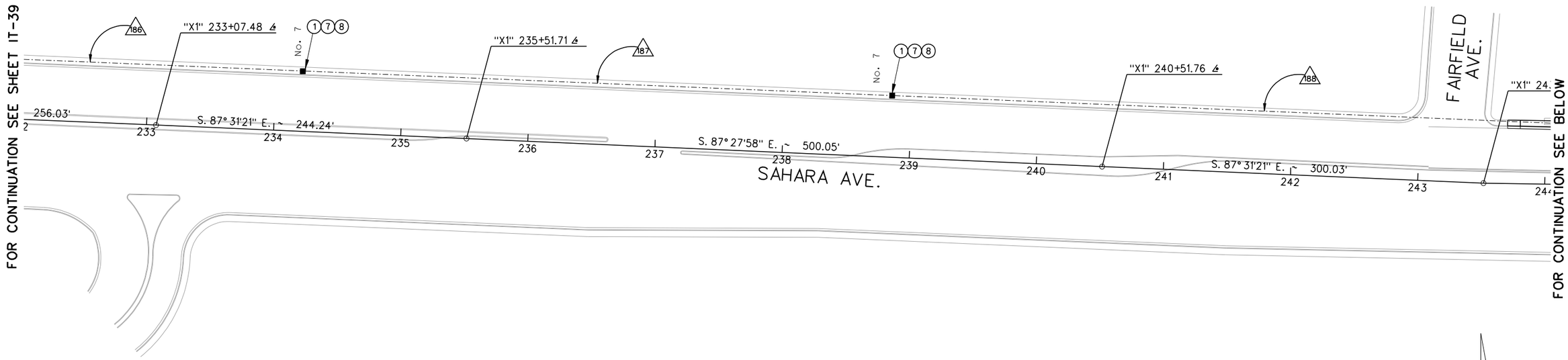
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-39

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

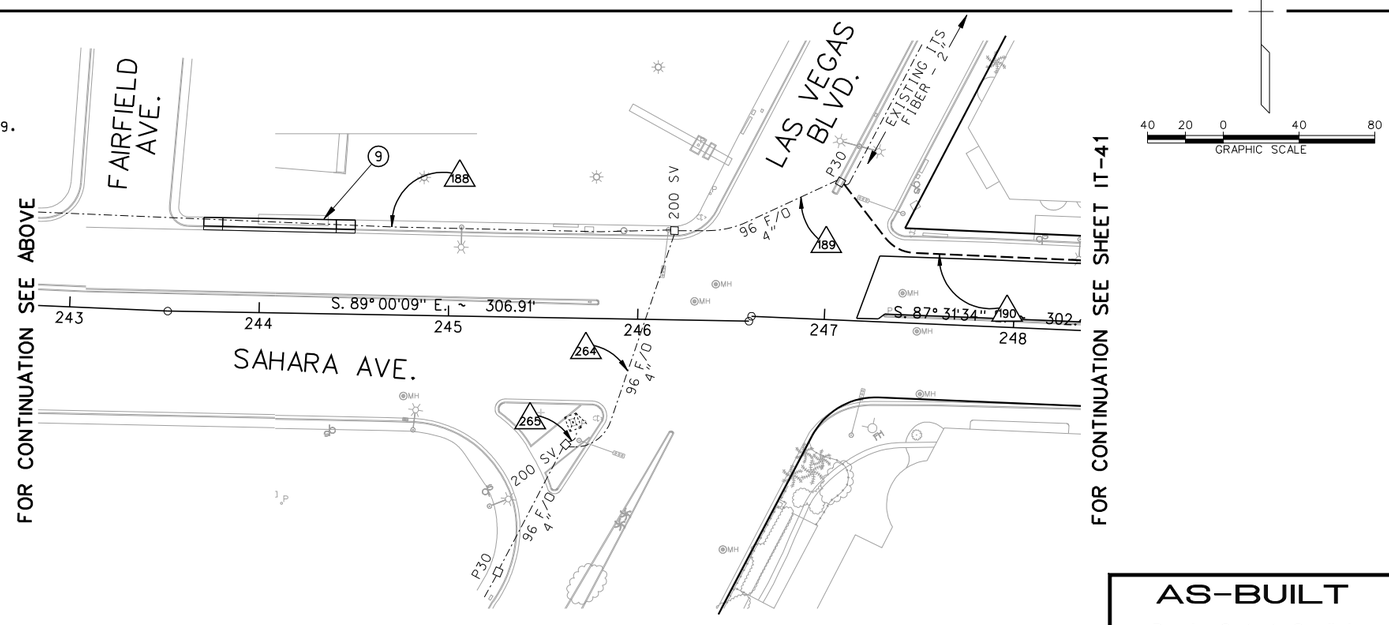
1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST FIBER RUNS IN EXISTING CONDUIT ON LAS VEGAS BLVD.
2. SEE SHEET IT-62 FOR LAS VEGAS BLVD SPLICE DIAGRAM.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Avoid cutting underground utility lines. It's cost a. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 Freeway and Arterial System of Transportation

Avoid hitting overhead power lines. It's costly. Call before you do overhead 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLAN

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

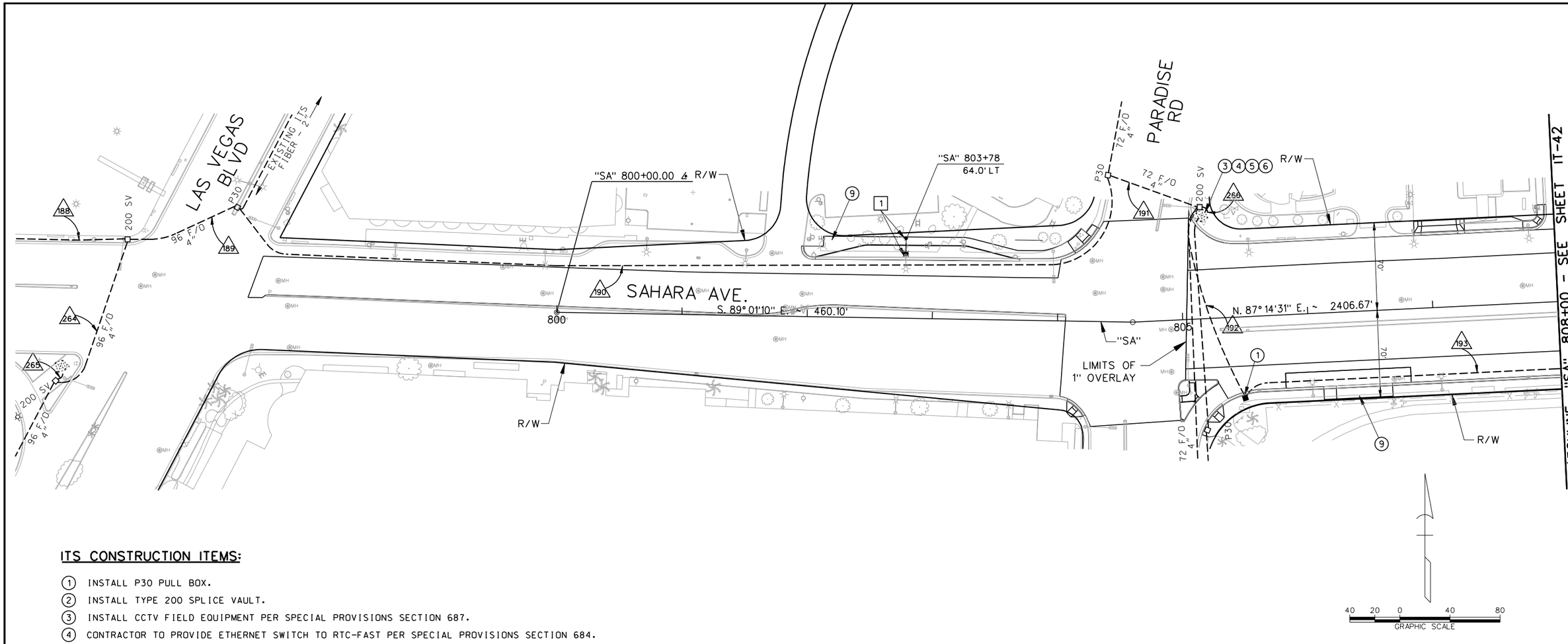
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-40

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. SEE SHEET T-33 FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
2. SEE SHEET IT-62 FOR PARADISE RD SPLICE DIAGRAM.

Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300
Call before you DIG OVERHEAD 1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLANS
"SA" 800+00 to "SA" 808+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

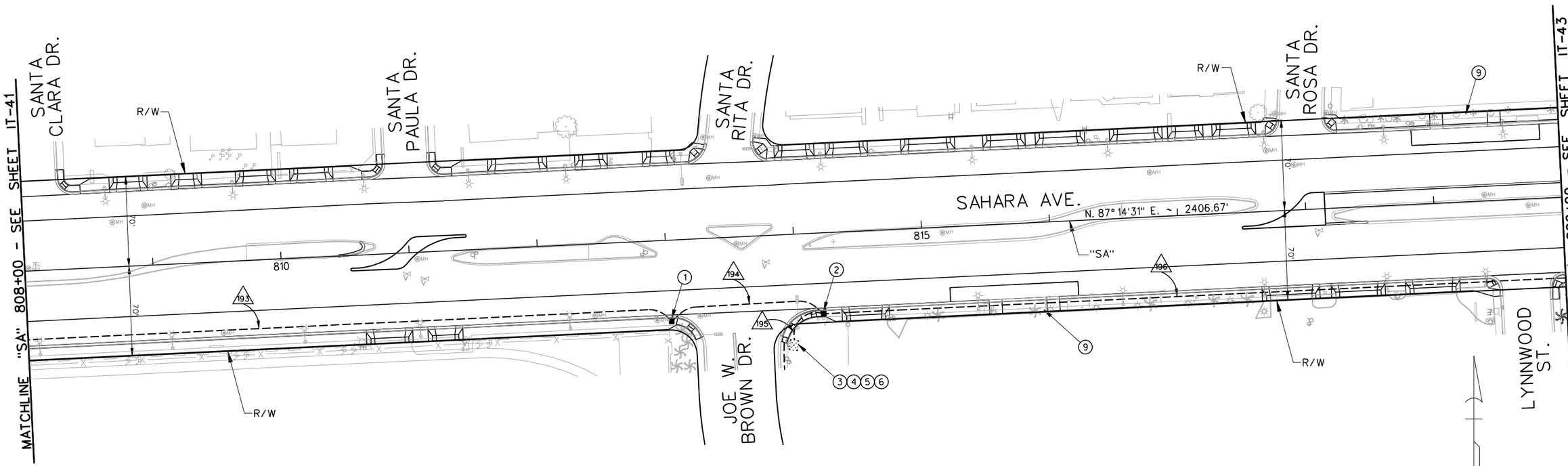
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-41
Sheet 547 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. SEE SHEET T-30 FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
2. SEE SHEET IT-62 FOR JOE W. BROWN DR. SPLICE DIAGRAM.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

"SA" 808+00 to "SA" 820+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

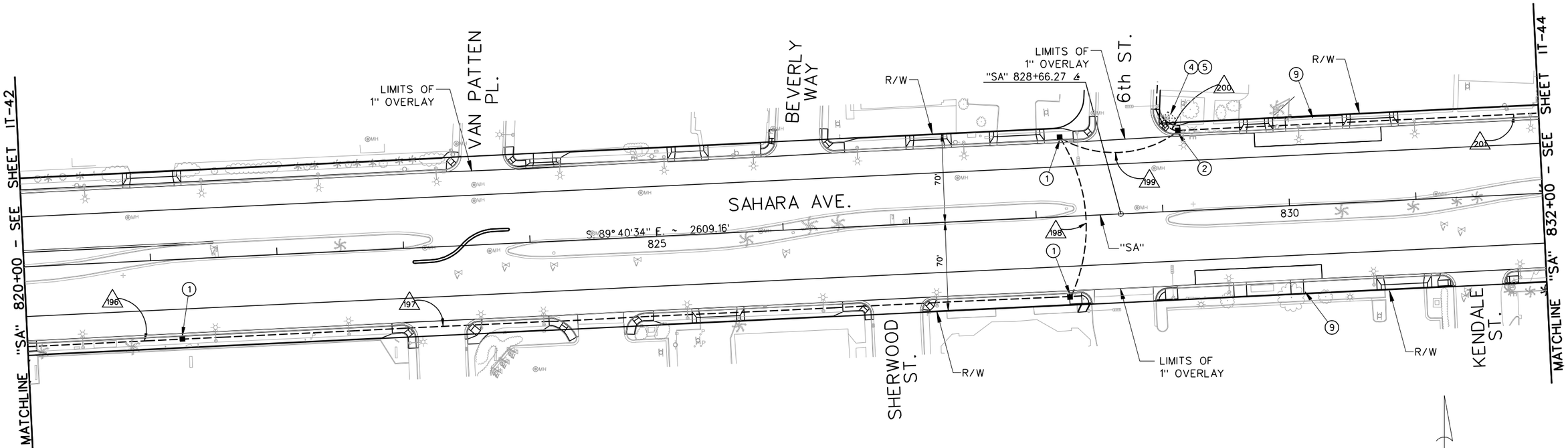
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HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

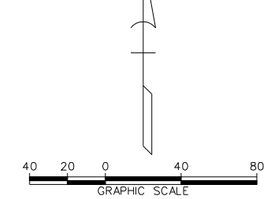
SHEET No. IT-42

Sheet 548 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. SEE SHEET IT-62 FOR 6TH ST. SPLICE DIAGRAM.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLANS
"SA" 820+00 to "Pe" 832+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

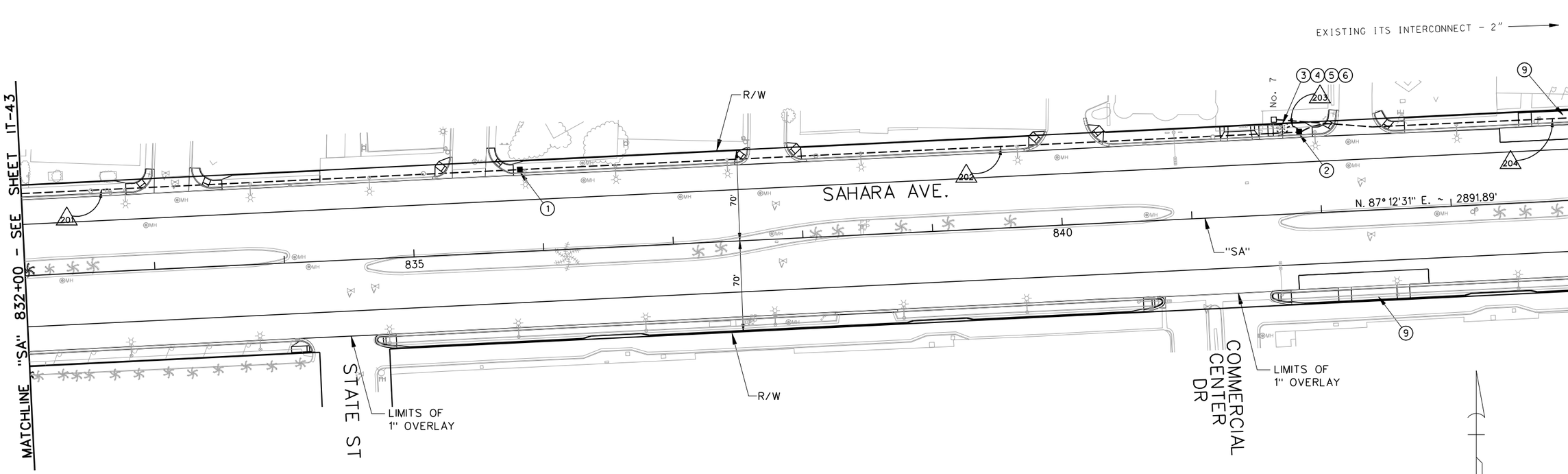
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-43

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM COMMERCIAL CENTER TO MARYLAND PKY.
2. SEE SHEET T-31 FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-62 FOR COMMERCIAL CENTER DR. SPLICE DIAGRAM.

Avoid cutting underground utility lines. It's costly. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 Freeway and Arterial System of Transportation
Avoid hitting overhead power lines. It's costly. Call before you do overhead 1-702-227-2929

AS-BUILT
Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLANS
"SA" 832+00 to "SA" 844+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

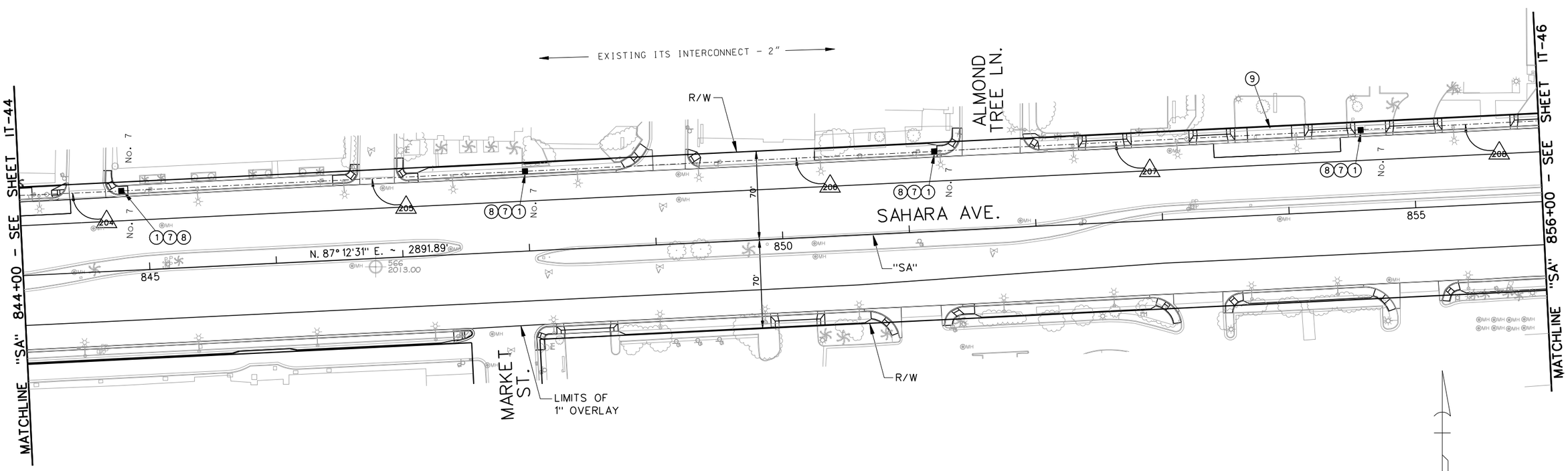
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-44
Sheet 550 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT
AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM COMMERCIAL CENTER TO MARYLAND PKY.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S CRIMINAL
Call 811 or 1-800-227-2600
FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S CRIMINAL
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

"SA" 844+00 to "Pe" 856+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

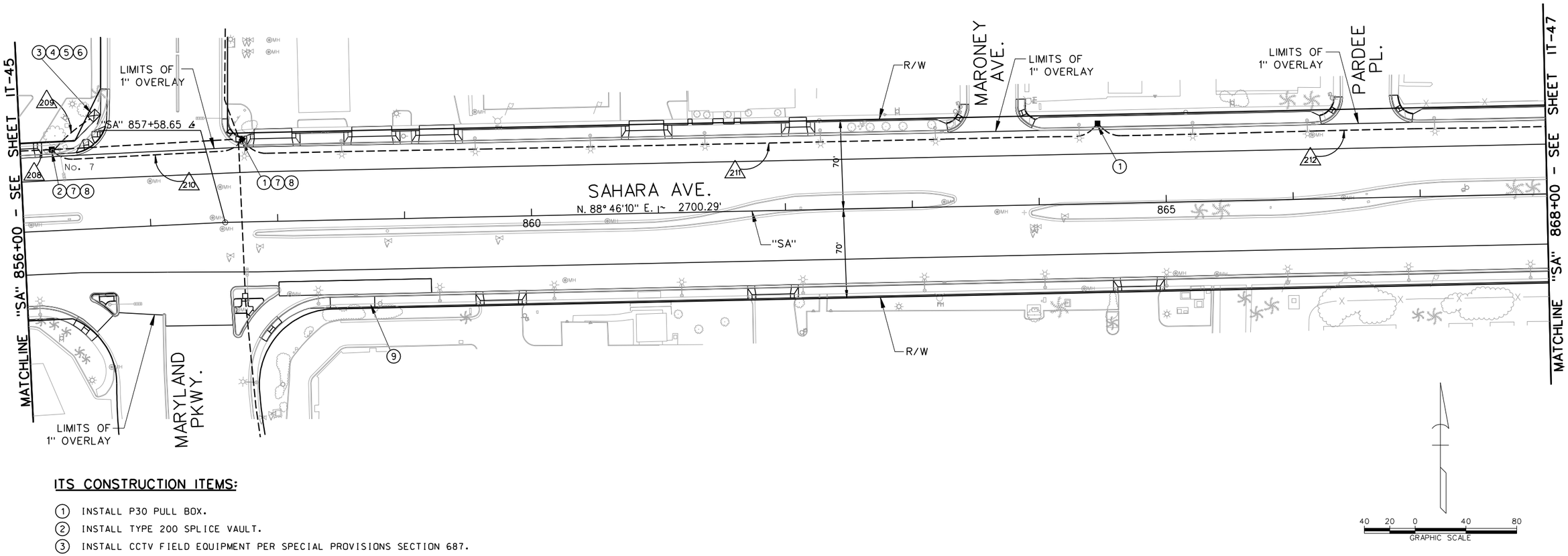
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-45

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. SEE SHEET T-21 AND T-21A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
2. SEE SHEET IT-62 FOR MARYLAND PKY SPLICE DIAGRAM.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

"SA" 856+00 to "Pe" 868+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

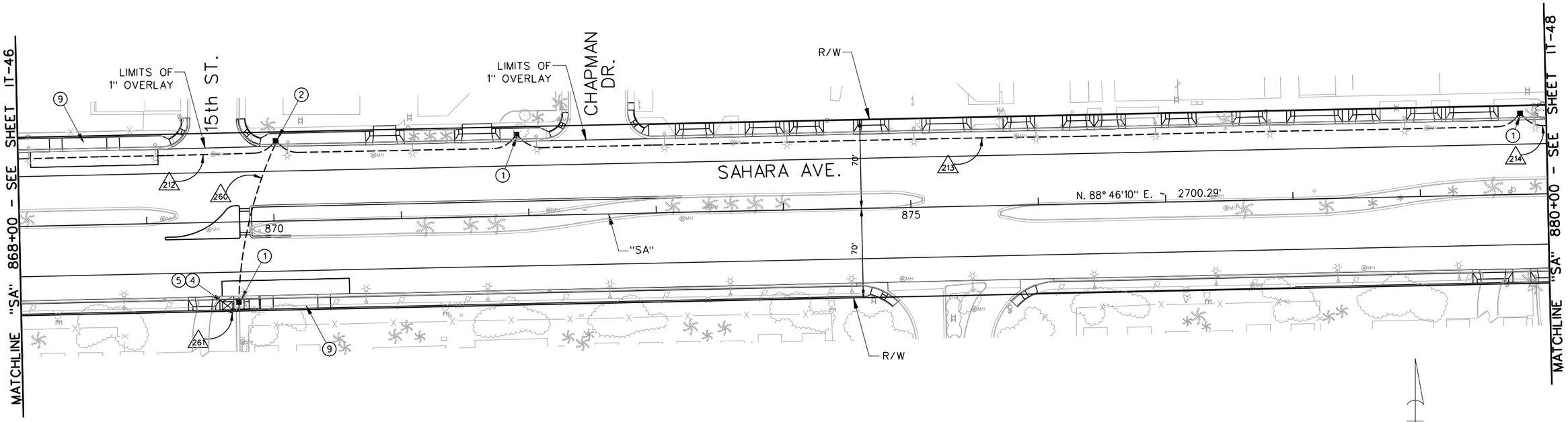
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

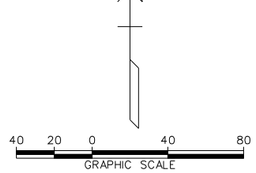
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-46

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012





ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. SEE SHEET IT-62 FOR HAWK SPLICE DIAGRAM.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

"SA" 868+00 to "SA" 880+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

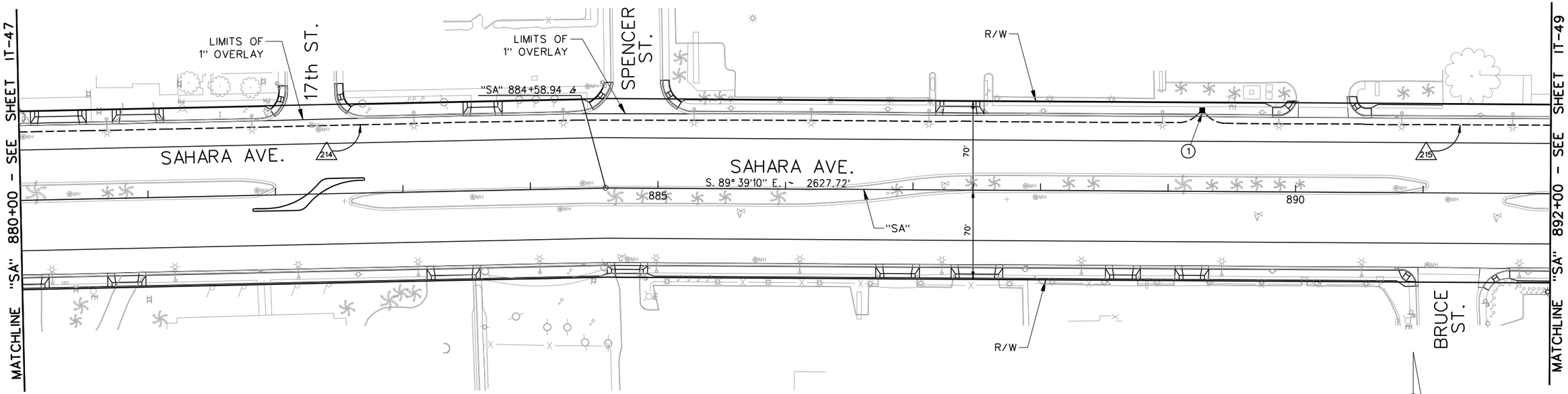
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-47

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

AVOID CUTTING UNDERGROUND UTILITY LINES. ITS COSTLY.
Call 811
1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. ITS COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

"SA" 880+00 to "SA" 892+00

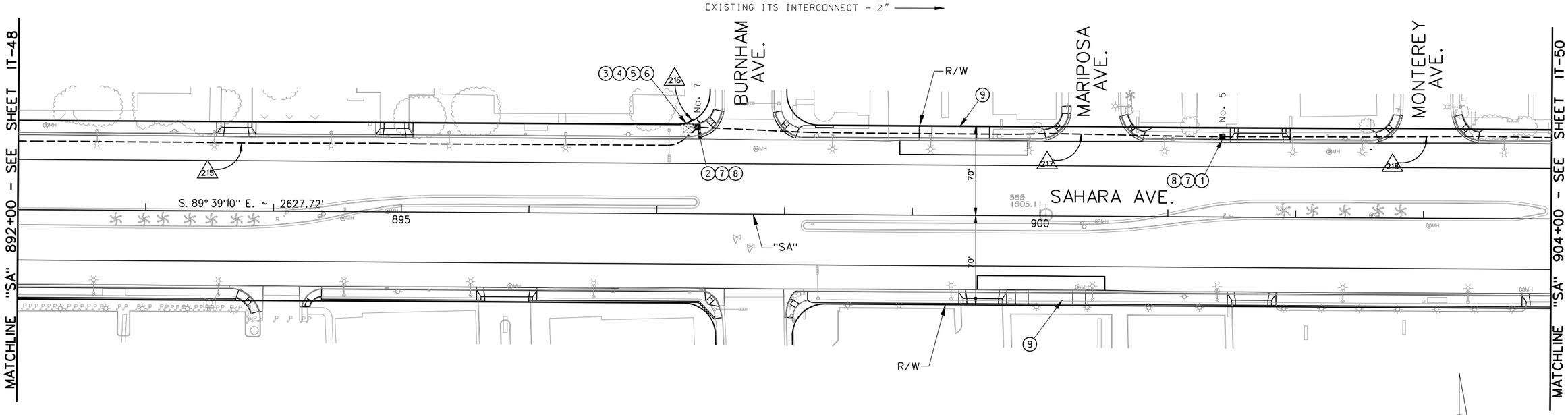
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

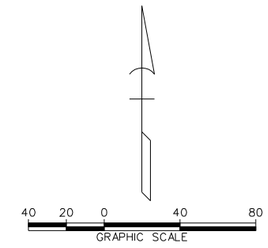
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No.
IT-48





ITS CONSTRUCTION ITEMS:

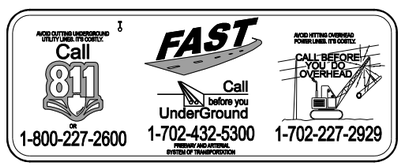
1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM BURNHAM AVE. TO BOULDER HWY.
2. SEE SHEET T-22 AND T-22A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-62 FOR BURNHAM SPLICE DIAGRAM.



AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

"SA" 892+00 to "SA" 904+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

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PHONE (702) 736-6632 • FAX (702) 736-0704

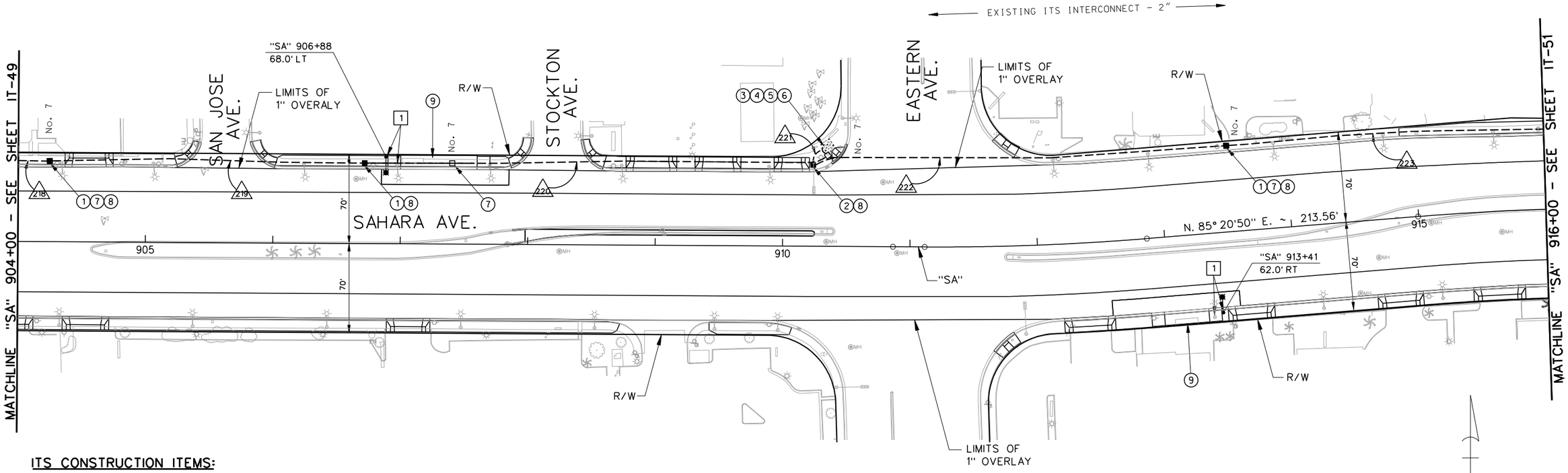
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-49

Sheet 555 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM BURNHAM AVE. TO BOULDER HWY.
2. SEE SHEET T-23 AND T-23A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-62 FOR EASTERN AVE SPLICE DIAGRAM.

Call 811 or 1-800-227-2600 — FAST Call before you UnderGround 1-702-432-5300 — CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

"SA" 904+00 to "SA" 916+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

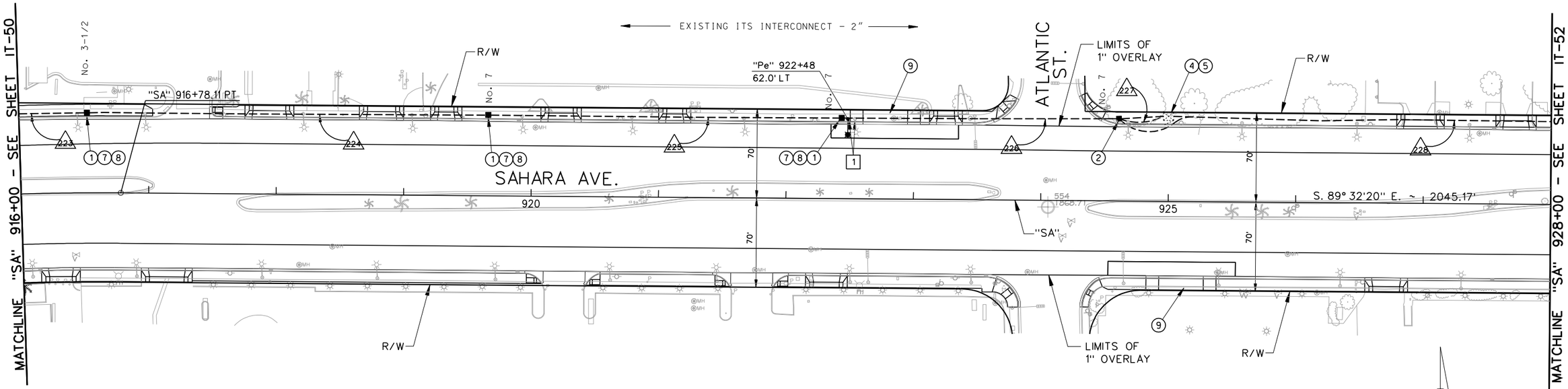
THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-50

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

(1) INSTALL P30 PULL BOX.
(2) INSTALL TYPE 200 SPLICE VAULT.
(3) INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
(4) CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
(5) CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
(6) CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
(7) REMOVE EXISTING PULL BOX.
(8) REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
(9) INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
- 2 EA. No. 3-1/2 PULL BOX
- 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM BURNHAM AVE. TO BOULDER HWY.
2. SEE SHEET IT-62 FOR ATLANTIC ST. SPLICE DIAGRAM.

AVOID CUTTING UNDERGROUND UTILITY LINES. ITS COSTLY. Call 811 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. ITS COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLANS
"SA" 916+00 to "Pe" 928+00
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

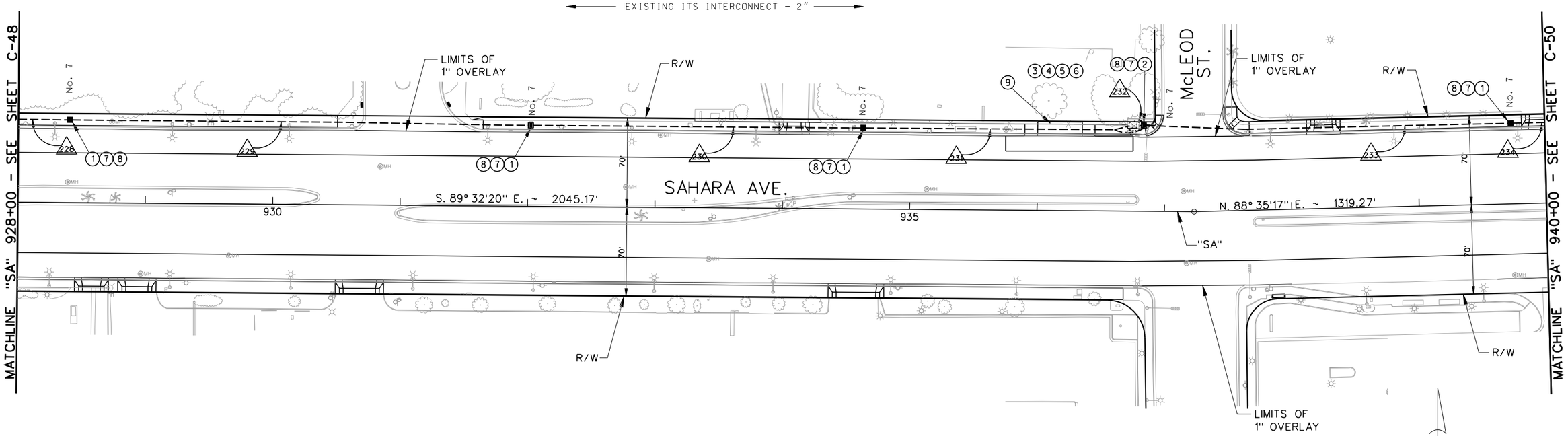
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-51
Sheet 557 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

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ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM BURNHAM AVE. TO BOULDER HWY.
2. SEE SHEET T-24 AND T-24A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-62 FOR McLEOD SPLICE DIAGRAM.

AVOID CUTTING UNDERGROUND UTILITY LINES. ITS COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. ITS COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

"SA" 916+00 to "Pe" 940+00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-8632 • FAX (702) 736-0704

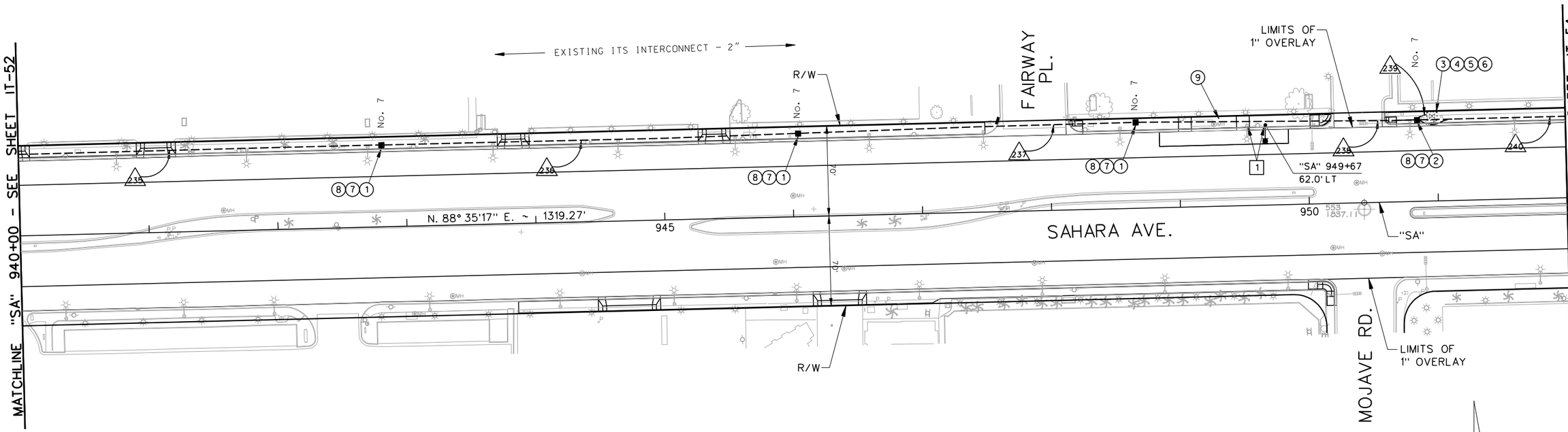
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-52

Sheet 558 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM BURNHAM AVE. TO BOULDER HWY.
2. SEE SHEET T-25 AND T-25A FOR CCTV CAMERA LOCATION AND CABLE INSTALLATION.
3. SEE SHEET IT-62 FOR MOJAVE RD. SPLICE DIAGRAM.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 REGIONAL AND NATIONAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

"SA" 940+00 to "SA" 962+79.68

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

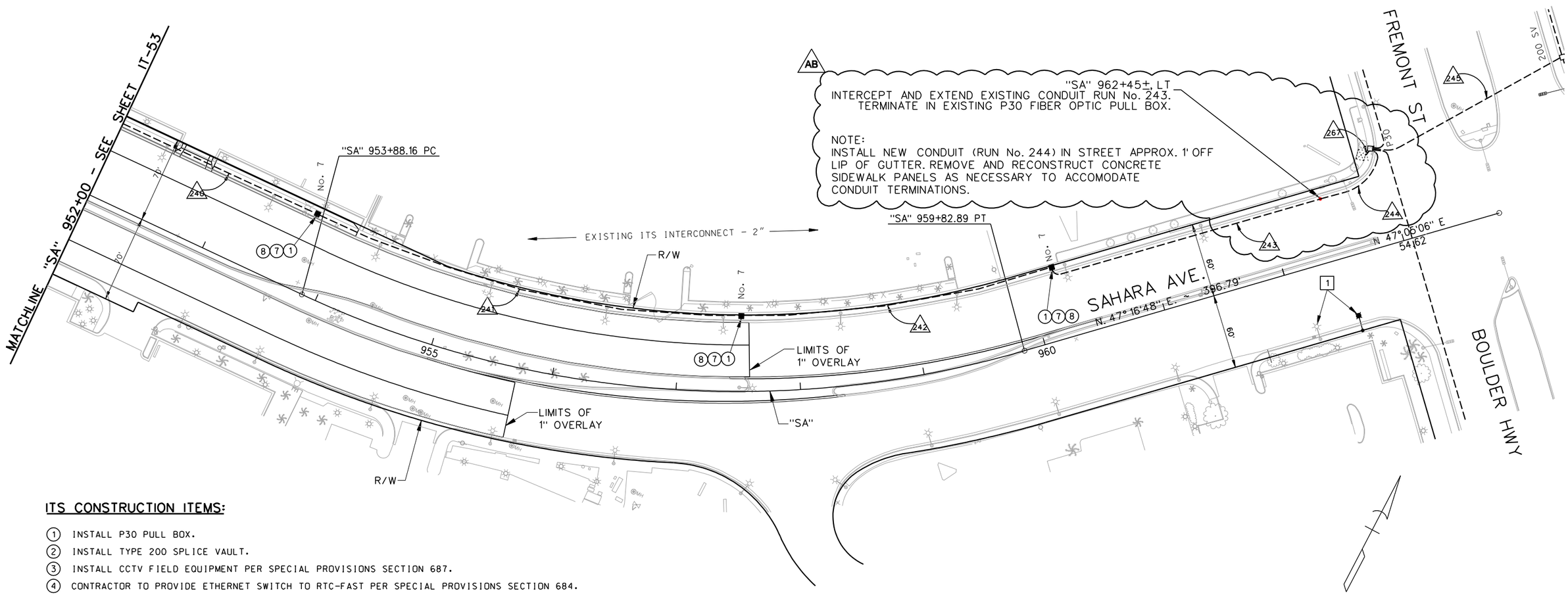
SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. IT-53

Sheet 559 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



ITS CONSTRUCTION ITEMS:

1. INSTALL P30 PULL BOX.
2. INSTALL TYPE 200 SPLICE VAULT.
3. INSTALL CCTV FIELD EQUIPMENT PER SPECIAL PROVISIONS SECTION 687.
4. CONTRACTOR TO PROVIDE ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 684.
5. CONTRACTOR TO PROVIDE SERIAL TO ETHERNET SWITCH TO RTC-FAST PER SPECIAL PROVISIONS SECTION 689.
6. CONTRACTOR TO PROVIDE VIDEO ENCODER TO RTC-FAST PER SPECIAL PROVISIONS SECTION 685.
7. REMOVE EXISTING PULL BOX.
8. REPLACE CONDUIT BENDS PER DETAIL "B" SHEET IT-56.
9. INSTALL SHELTER PAD CONDUIT AND PULL BOXES (SEE DETAIL "A", SHEET IT-55):
   - 2 EA. No. 3-1/2 PULL BOX
   - 55 LF 2-INCH CONDUIT

LIGHTING CONSTRUCTION ITEMS:

[1] REMOVE AND RESET LIGHT POLE ON NEW FOUNDATION. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION.

NOTES:

1. EXISTING FAST INTERCONNECT RUNS IN EXISTING CONDUIT FROM BURNHAM AVE. TO BOULDER HWY.
2. SEE SHEET IT-62 FOR BOULDER HWY SPLICE DIAGRAM.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND INTERNAL SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

"SA" 940+00 to "SA" 962+79.68

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-54

Sheet 560 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

ITS GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED PUBLIC ENTITIES INCLUDING BUT NOT LIMITED TO CITY OF LAS VEGAS, CLARK COUNTY, FAST, AND NDOT AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK.

2. LOCATIONS OF UNDERGROUND UTILITIES SHOWN WERE OBTAINED FROM INFORMATION RECEIVED FROM THE APPLICABLE UTILITY COMPANIES. NEITHER THE OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR THE UTILITIES OR STRUCTURES NOT SHOWN AT ACTUAL LOCATIONS ON THE DRAWINGS. EXISTING SERVICE LATERALS ARE NOT SHOWN ON THESE DRAWINGS. CONTRACTOR SHALL VERIFY THE EXACT LOCATION ON UTILITIES PRIOR TO START OF CONSTRUCTION.

3. THE FOLLOWING UNDERGROUND UTILITIES MAY BE LOCATED WITHIN THE PROJECT LIMITS: STREET LIGHT, TRAFFIC SIGNALS, FIBER OPTIC CABLE AND INTERCONNECT CABLE. THE CONTRACTOR MUST CONTACT THE APPROPRIATE LOCAL ENTITY INCLUDING CLARK COUNTY, CITY OF LAS VEGAS, FAST AND NDOT AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK. THE LOCAL ENTITY MAY NOT BE A MEMBER OF CALL BEFORE YOU DIG AND A CALL TO THAT ORGANIZATION DOES NOT RELIEVE THE CONTRACTOR OF LIABILITY FOR THESE FACILITIES.

4. THE CONTRACTOR SHALL NOT REMOVE TREES, SHRUBS, LANDSCAPING, WALLS, FENCES, SIGNS, STRUCTURES, LIGHTS OR ANY EXISTING IMPROVEMENT, EXCEPT WHERE REQUIRED SHOWN ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.

5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKINGS, SUCH PAVEMENT MARKINGS SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE ENGINEER. (NO DIRECT PAYMENT FOR PAVEMENT MARKING RESTORATION).

6. FAST FIBER OPTIC CABLE POLICY IS IN EFFECT. FIBER OPTIC CABLE AND INTERCONNECT CABLE MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PROVIDE TEMPORARY OVERHEAD CABLE WHILE PERMANENT CABLE IS BEING RELOCATED. TEMPORARY AERIAL INSTALLATION MUST BE ACCEPTABLE TO THE ENGINEER, FAST AND LOCAL ENTITY. ANY DAMAGE MUST BE REPAIRED IMMEDIATELY TO FAST'S ACCEPTANCE. EXISTING INTERCONNECT CABLE THAT IS NO LONGER REQUIRED FOR TRAFFIC SIGNAL INTERCONNECT SHALL BE REMOVED AND SALVAGED. CONTRACTOR SHALL COORDINATE INTERCONNECT CABLE REMOVAL WITH FAST. (NO DIRECT PAYMENT FOR REMOVAL).

7. FIBER OPTIC CABLE SHALL NOT BE SPLICED, UNLESS OTHERWISE NOTED.

8. SLACK FIBER OPTIC CABLE SHALL BE PROVIDED IN EACH P30 P.B. (30 FEET) AND TYPE 200/TYPE 100 S.V. (120 FEET).

9. PULL BOXES AND SPLICE VAULTS SHALL NOT BE INSTALLED IN SIDEWALK RAMPS OR DRIVEWAYS.

10. ALL FIBER OPTIC PULLBOXES SHALL BE H20 TRAFFIC RATED.

11. COUNT STATION DETECTOR LOOPS SHALL BE INSTALLED PER NDOT STD. PLAN T-30.1.4.

12. 1-6 PR. PE39 #22 AWG INTERCONNECT CABLE SHALL BE INSTALLED IN ALL CONDUIT AS SHOWN IN CONDUIT AND WIRE SCHEDULE. PULL STRING SHALL BE INSTALLED IN NEW CONDUIT WHERE NO FIBER OPTIC CABLE IS TO BE INSTALLED.

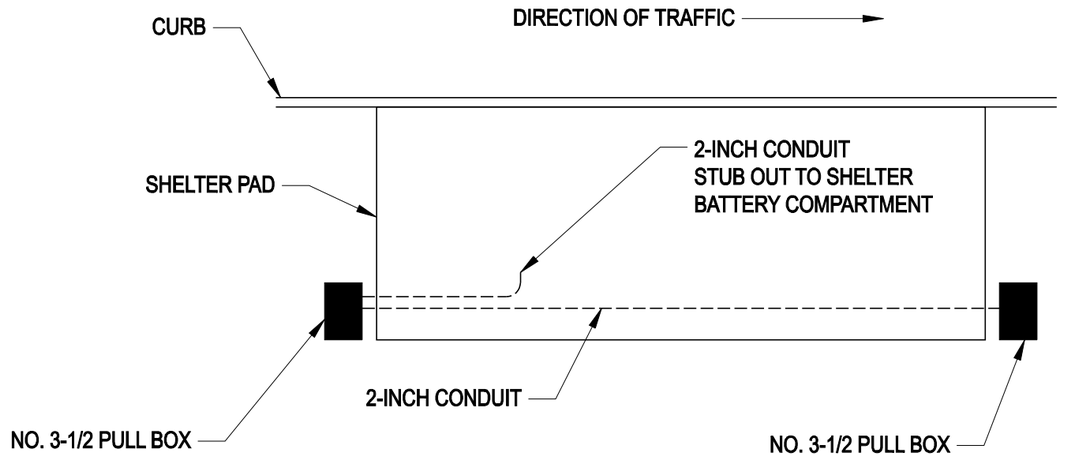
13. TRENCHING AND PAVEMENT REPLACEMENT FOR NEW CONDUIT SHALL BE PER DETAILS SHOWN ON THIS SHEET.

14. UNDERGROUND ORANGE MARKING TAPE SHALL BE PLACED 12 INCHES ABOVE THE INSTALLED CONDUIT AND MARKED WITH THE LEGEND OF "FIBER OPTIC".

15. CONDUIT ROUTING IS SCHEMATIC FOR PURPOSE OF CLARITY AND MAY DIFFER FROM ACTUAL INSTALLATION. CONDUIT SHALL BE LOCATED HORIZONTALLY AND VERTICALLY TO AVOID EXISTING UTILITY CONFLICTS. SEE PLANS FOR CONDUIT SIZE AND QUANTITY. CONDUIT COUPLINGS SHALL BE STAGGERED. FINAL CONDUIT AND SAWCUT LOCATIONS SHALL BE DETERMINED IN FIELD BY ENGINEER. (NO DIRECT PAYMENT FOR SAWCUT)

16. PULL BOXES, SPLICE VAULTS AND CONDUIT SHALL BE INSTALLED WITHIN RIGHT-OF-WAY OR EASEMENTS. CONTRACTOR SHALL VERIFY PRIOR TO INSTALLATION.

17. THE CONTRACTOR THAT INSTALLS AND INTEGRATES THE ITS SYSTEM MUST HAVE FIVE (5) YEARS MINIMUM EXPERIENCE. THE CONTRACTOR IS TO BE CERTIFIED TO MEET AND/OR EXCEED THE REQUIREMENTS SET FORTH IN BOTH THE RTC UNIFORM STANDARD SPECIFICATIONS SECTIONS 623 AND 680.



PLAN VIEW

DETAIL "A"
PULL BOX AND CONDUIT AT SHELTER PADS

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

ACAD CUTTING UNDERGROUND UTILITY LINES, IT'S COSTLY
Call 811 OR 1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

ACAD HITTING OVERHEAD POWER LINES, IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
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REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

ITS GENERAL NOTES

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: ALB CHECKED BY: RJP
APPROVED BY RJP

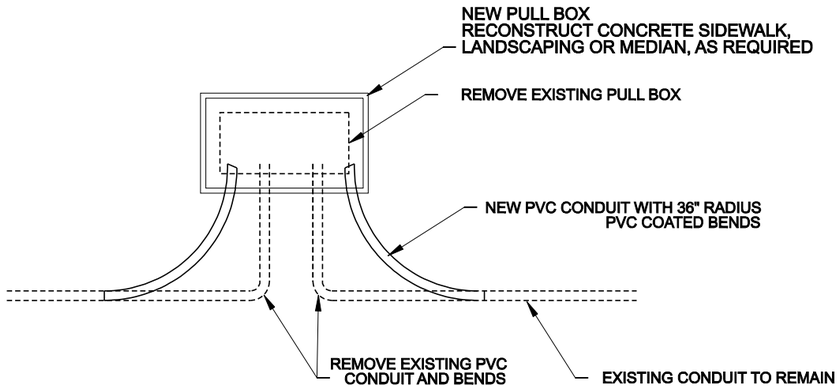
THE Louis Berger Group, INC.
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PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: NONE
VERT: NONE
FIELD BOOK: NONE

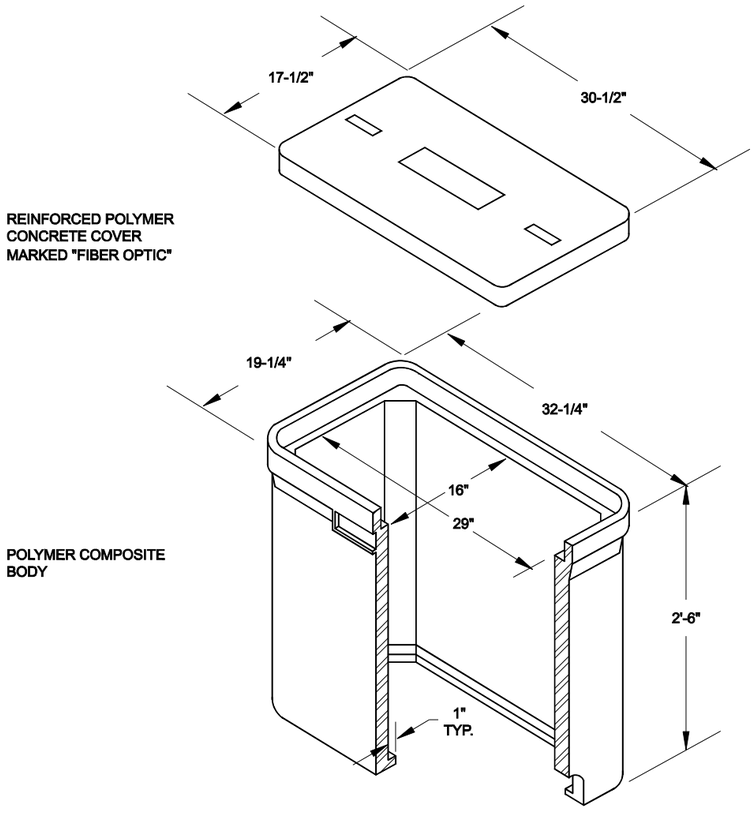
SHEET No.
IT-55
Sheet 561 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



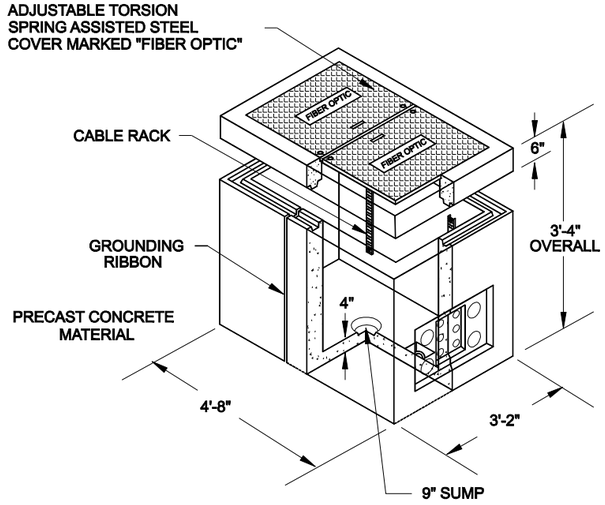
DETAIL "B"
PULL BOX REMOVAL AND
REPLACE CONDUIT BENDS



NOTES:

1. THIS PULL BOX SHALL NOT BE USED IN TRAVEL OR PARKING LANES.

P30 PULL BOX



NOTES:

1. DESIGN LOAD: H-20 WHEEL LOADINGS.
2. SUITABLE FOR USE IN OFF STREET LOCATIONS WHERE NOT SUBJECT TO HIGH DENSITY TRAFFIC. IT SHALL NOT BE USED IN TRAVEL OR PARKING LANES.
3. INSIDE DIMENSIONS - 30"X48"X36"
4. FOR USE AT FIBER OPTIC SPLICE POINTS.

TYPE 200 VAULT

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

Call 811 or 1-800-227-2600 | FAST Call before you UnderGround 1-702-432-5300 | CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

PULL BOX DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

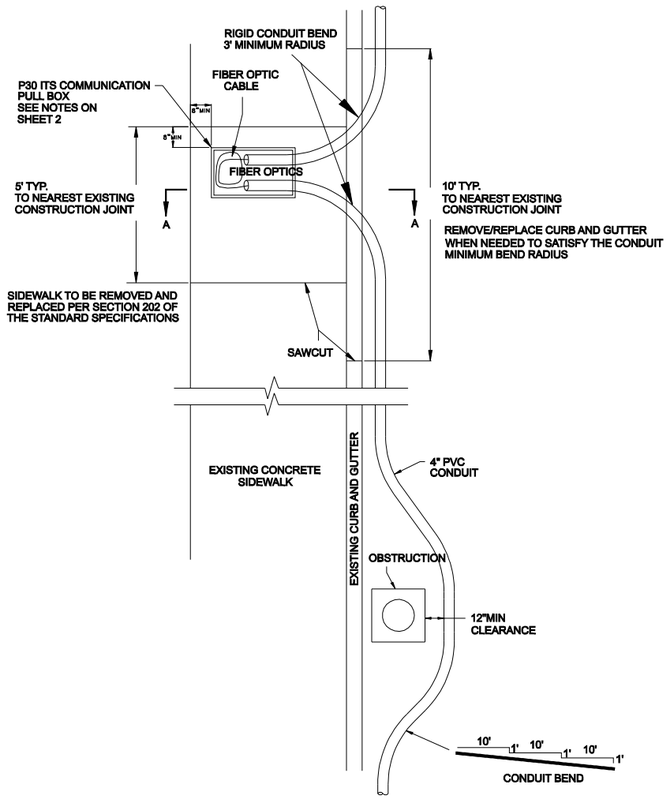
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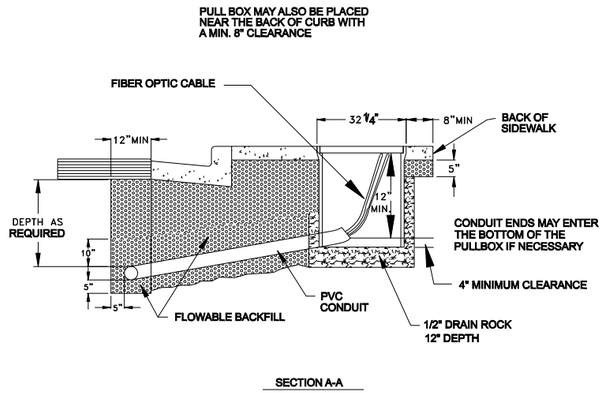
SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK :
NONE

SHEET No.
IT-56
Sheet 562 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

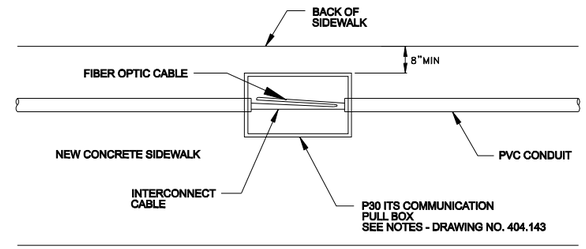


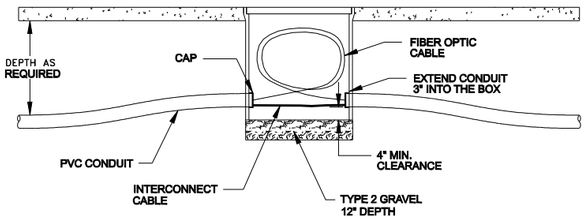


SECTION A-A

NOTES:

1. P30 PULL BOX SHALL BE INSTALLED FOR THE TRAFFIC SIGNAL ITS COMMUNICATIONS PER APPLICABLE STANDARDS.
2. PULL BOX COVER SHALL BE INSCRIBED "FIBER OPTICS".
3. APPROXIMATE LOCATIONS OF THE PROPOSED P30 ITS COMMUNICATION PULL BOXES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING THE LOCATIONS OF THE PROPOSED ITS COMMUNICATION PULL BOXES IN THE FIELD PER STANDARD STANDARD SPECIFICATION INTERVALS AND THESE LOCATIONS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER BEFORE INSTALLATION.
4. DETAIL SHOWS METHOD OF INSTALLATION WHEN FIBER OPTIC CABLE IS REQUIRED.





AS-BUILT

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REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

PULL BOX DETAILS CONT'D

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

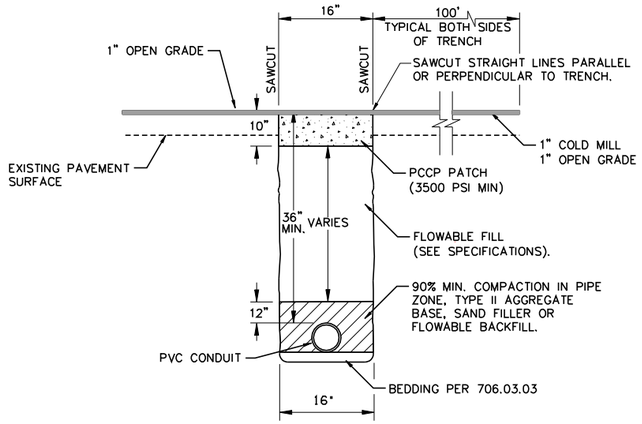
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PHONE (702) 736-6832 • FAX (702) 736-0704

SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK :
NONE

SHEET No.
IT-57
Sheet 563 of 592

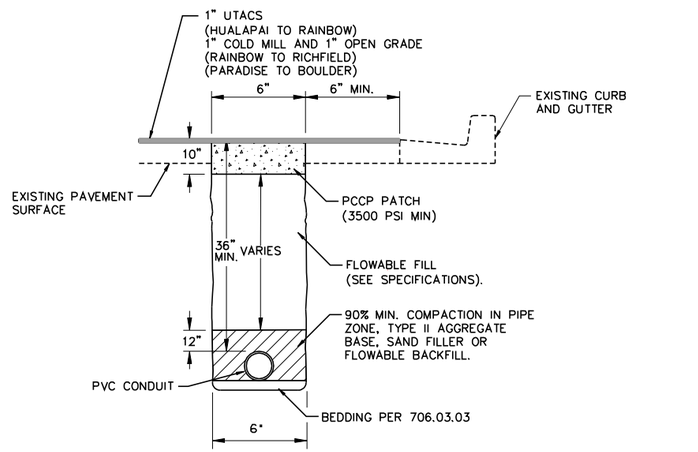
SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



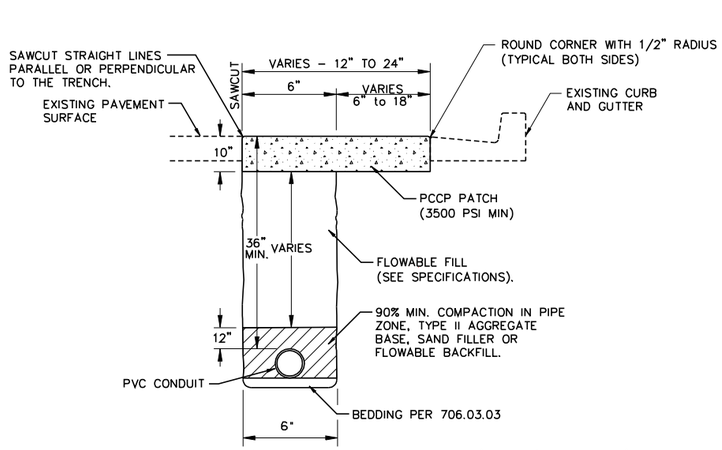
TRANSVERSE CONDUIT TRENCH

(NOT TO SCALE)



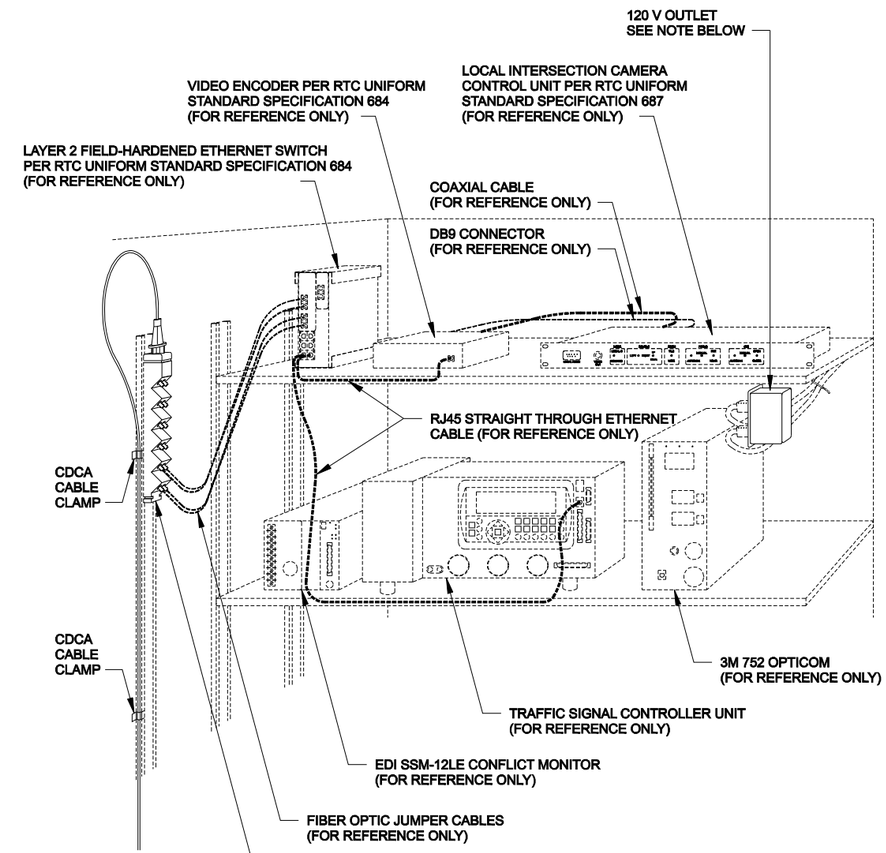
LONGITUDINAL CONDUIT TRENCH (MILL AND/OR OVERLAY AREAS)

(NOT TO SCALE)



LONGITUDINAL CONDUIT TRENCH (IN PAVEMENT)

(NOT TO SCALE)



NOTE:

AN ADDITIONAL 120V OUTLET TO BE INSTALLED ON SIDE RAIL, NEAR TOP, FOR ITS EQUIPMENT ON EITHER SIDE OF CABINET. LOCATION TO BE APPROVED BY AGENCY ENGINEER BEFORE INSTALLATION. MAXIMUM OF FOUR OUTLETS PER CABINET.

AS-BUILT

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REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

TRENCHING AND CONTROLLER CABINET DETAILS

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	GFV
DESIGNED BY:	KK	CHECKED BY:	RJP
APPROVED BY	RJP		

THE Louis Berger Group, INC.
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SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK : NONE

SHEET No.
IT-58
Sheet 564 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

ITS WIRE AND CONDUIT SCHEDULE

COND RUN	NO.	SIZE (INCH)	LGTH (FEET)	PULL ROPE	6 PAIR PE-39 #22	72 STRAND SMFO	OTHER
100	1	4"	790'	1	1	1	
101	1	4"	1000'	1	1	1	
102	1	4"	780'	1	1	1	
103	1	4"	130'	1	1	1	
104	1	4"	15'	1	2		CDCA
105	1	4"	130'	1	1	1	
106	1	(E)2"	1160'	1	1	1	
107	1	(E)2"	1400'	1	1	1	
108	1	(E)2"	1140'	1	1	1	
109	1	(E)2"	1375'	1	1	1	
110	1	(E)2"	40'	1	2		CDCA
111	1	(E)2"	625'	1	1	1	
112	1	(E)2"	650'	1	1	1	
113	1	(E)2"	700'	1	1	1	
114	1	4"	60'	1	1		CDCA
115	1	(E)2"	380'	1	1	1	
116	1	(E)2"	55'	1	1	1	
117	1	(E)2"	150'	1	1	1	
118	1	4"	20'	1	2		CDCA
119	1	4"	160'	1	1	1	
120	1	4"	420'	1	1	1	
121	1	4"	60'	1	1		CDCA
122	1	(E)2"	175'	1	1	1	
123	1	(E)2"	385'	1	1	1	
124	1	(E)2"	470'	1	1	1	
125	1	(E)2"	355'	1	1	1	

ITS WIRE AND CONDUIT SCHEDULE

COND RUN	NO.	SIZE (INCH)	LGTH (FEET)	PULL ROPE	6 PAIR PE-39 #22	72 STRAND SMFO	OTHER
126	1	(E)2"	105'	1	1	1	
127	1	(E)2"	75'	1	1	1	
128	1	(E)2"	125'	1	1	1	
129	1	4"	130'	1	1	1	
130	1	4"	140'	1	1		
131	1	(E)2"	20'	1	2		CDCA
132	1	(E)2"	215'	1	1	1	
133	1	(E)2"	290'	1	1	1	
134	1	(E)2"	300'	1	1	1	
135	1	(E)2"	535'	1	1	1	
136	1	(E)2"	300'	1	1	1	
137	1	(E)2"	460'	1	1	1	
138	1	(E)2"	165'	1	1	1	
139	1	(E)2"	190'	1	1	1	
140	1	4"	20'	1	2		CDCA
141	1	(E)2"	300'	1	1	1	
142	1	(E)2"	180'	1	1	1	
143	1	(E)2"	110'	1	1	1	
144	1	(E)2"	90'	1	1	1	
145	1	4"	60'	1	1		CDCA
146	1	(E)2"	145'	1	1	1	
147	1	(E)2"	290'	1	1	1	
148	1	(E)2"	215'	1	1	1	
149	1	(E)2"	275'	1	1	1	
150	1	(E)2"	165'	1	1	1	
151	1	4"	10'	1	2		CDCA

ITS WIRE AND CONDUIT SCHEDULE

COND RUN	NO.	SIZE (INCH)	LGTH (FEET)	PULL ROPE	6 PAIR PE-39 #22	72 STRAND SMFO	OTHER
152	1	4"	90'	1	1	1	
153	1	4"	120'	1	1	1	
154	1	(E)2"	270'	1	1	1	
155	1	(E)2"	260'	1	1	1	
156	1	(E)2"	290'	1	1	1	
157	1	(E)2"	10'	1	2		CDCA
158	1	(E)2"	450'	1	1	1	
159	1	(E)2"	305'	1	1	1	
160	1	(E)2"	730'	1	1	1	
161	1	(E)2"	10'	1	2		CDCA
162	1	(E)2"	245'	1	1	1	
163	1	(E)2"	230'	1	1	1	
164	1	(E)2"	40'	1	2		CDCA
165	1	(E)2"	135'	1	1	1	
166	2 1	(E)3" (E)2"	335'	1	1	1	
167	2 1	(E)3" (E)2"	220'	1	2		CDCA
168	2	(E)3"	360'	1	1	1	
169	1 1	(E)3" (E)2"	560'	1	1	1	
170	1 1	(E)3" (E)2"	160'	1	1	1	
171	1 1	(E)3" (E)2"	65'	1	1	1	
172	1 1	(E)3" (E)2"	15'	1	1		CDCA
173	1	(E)3"	190'	(E)	(E)	(E)	
174	1	(E)3"	140'	(E)	(E)	(E)	
175	1	(E)3"	320'	(E)	(E)	(E)	
176	1	(E)2"	10'	(E)	(E)	(E)	
177	1	(E)2"	1000'	1	1	(E)	

ITS WIRE AND CONDUIT SCHEDULE

COND RUN	NO.	SIZE (INCH)	LGTH (FEET)	PULL ROPE	6 PAIR PE-39 #22	72 STRAND SMFO	OTHER
178	1	4"	60'	1	1	1	
179	1	4"	30'	1	1	1	
180	1	(E)2"	225'	1	1	(E)1 1	
181	1	(E)2"	15'	1	1	(E)1 1	
182	1	(E)2"	40'	1	1	(E)1 1	
183	1	(E)2"	200'	1	1	1	
184	1	(E)2"	115'	1	1	1	
185	1	(E)2"	270'	1	1	1	
186	1	(E)2"	250'	1	1	1	
187	1	(E)2"	465'	1	1	1	
188	1	(E)2"	740'	1	1	1	
189	1	(E)4"	80'	1	(E) 1	1	(E) 96 STRAND SMFO
190	1	4"	770'	1	1	1	
191	1	(E)4"	80'	(E)	(E) 1	(E) 1	

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

AS-BUILT

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AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

SCHEDULES

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
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SCALE
HORIZ : NONE
VERT : NONE
FIELD BOOK :
NONE

SHEET No.
IT-59
Sheet 565 of 592

ITS WIRE AND CONDUIT SCHEDULE

COND RUN	NO.	SIZE (INCH)	LGTH (FEET)	PULL ROPE	6 PAIR PE-39 #22	72 STRAND SMFO	OTHER
192	1	4"	160'	1	1	1	
193	1	4"	760'	1	1	1	
194	1	4"	120'	1	1	1	
195	1	4"	35'	1	2		CDCA
196	1	4"	705'	1	1	1	
197	1	4"	700'	1	1	1	
198	1	4"	125'	1	1	1	
199	1	4"	95'	1	1	1	
200	1	4"	15'	1	2		CDCA
201	1	4"	670'	1	1	1	
202	1	4"	600'	1	1	1	
203	1	4"	15'	1	2		CDCA
204	1	(E)2"	300'	1	1	1	
205	1	(E)2"	320'	1	1	1	
206	1	(E)2"	325'	1	1	1	
207	1	(E)2"	340'	1	1	1	
208	1	(E)2"	165'	1	1	1	
209	1	4"	15'	1	2		CDCA
210	1	4"	150'	1	1	1	
211	1	4"	680'	1	1	1	
212	1	4"	750'	1	1	1	
213	1	4"	790'	1	1	1	
214	1	4"	950'	1	1	1	
215	1	4"	805'	1	1	1	
216	1	4"	15'	1	2		CDCA
217	1	(E)2"	410'	1	1	1	

ITS WIRE AND CONDUIT SCHEDULE

COND RUN	NO.	SIZE (INCH)	LGTH (FEET)	PULL ROPE	6 PAIR PE-39 #22	72 STRAND SMFO	OTHER
218	1	(E)2"	285'	1	1	1	-
219	1	(E)2"	250'	1	1	1	
220	1	(E)2"	350'	1	1	1	
221	1	4"	20'	1	2		CDCA
222	1	(E)2"	325'	1	1	1	
223	1	(E)2"	305'	1	1	1	
224	1	(E)2"	320'	1	1	1	
225	1	(E)2"	280'	1	1	1	
226	1	(E)2"	220'	1	1	1	
227	1	4"	40'	1	2		CDCA
228	1	(E)2"	380'	1	1	1	
229	1	(E)2"	365'	1	1	1	
230	1	(E)2"	260'	1	1	1	
231	1	(E)2"	220'	1	1	1	
232	1	4"	15'	1	2		CDCA
233	1	(E)2"	290'	1	1	1	
234	1	(E)2"	150'	1	1	1	
235	1	(E)2"	160'	1	1	1	
236	1	(E)2"	225'	1	1	1	
237	1	(E)2"	265'	1	1	1	
238	1	(E)2"	220'	1	1	1	
239	1	4"	15'	1	2		CDCA
240	1	(E)2"	290'	1	1	1	
241	1	(E)2"	360'	1	1	1	
242	1	(E)2"	255'	1	1	1	
243	1	(E)2"	225'	1	1	1	

ITS WIRE AND CONDUIT SCHEDULE

COND RUN	NO.	SIZE (INCH)	LGTH (FEET)	PULL ROPE	6 PAIR PE-39 #22	72 STRAND SMFO	OTHER
244	1 AB	4"	60'	1	1 AB	1 AB	(E)CDCA CDCA
245	1	(E)4"	190'	1	(E)	1	(E)2-CDCA CDCA
246	1	(E)2"	10'	1	1	1	
247	1	(E)4"	40'	1	2		CDCA
248	1	(E)2"	10'	1	2		CDCA
249	1	(E)4" 4"	600' 60'	1 1	1 1	1 1	
250	1	4"	15'	1	2		CDCA
252	1	(E)2" 2"	500' 80'	1	1		
253	1	4"	180'	1	1		
254	1	(E)2"	15'	1	2		CDCA
255	1	2"	15'	1	1		CDCA
256	1	2"	15'	1	1		CDCA
257	1	2"	30'	1	1		
258	1	(E)2"	130'	1	1		
259	1	(E)2"	15'	1	1		CDCA
260	1	4"	130'	1	2		CDCA
261	1	4"	20'	1	2		CDCA
262	1	4"	55'	1	1		
263	1	4"	185'	1	1		
264	1	(E)4"	130'	(E)	(E)		CDCA
265	1	(E)2"	15'	(E)	(E)		CDCA
266	1	(E)2"	10'	1	(E) 1		(E)CDCA CDCA
267	1	(E)3"	15'	1	(E) 1		(E)CDCA CDCA

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By The Louis Berger Group, Inc.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

SCHEDULES

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

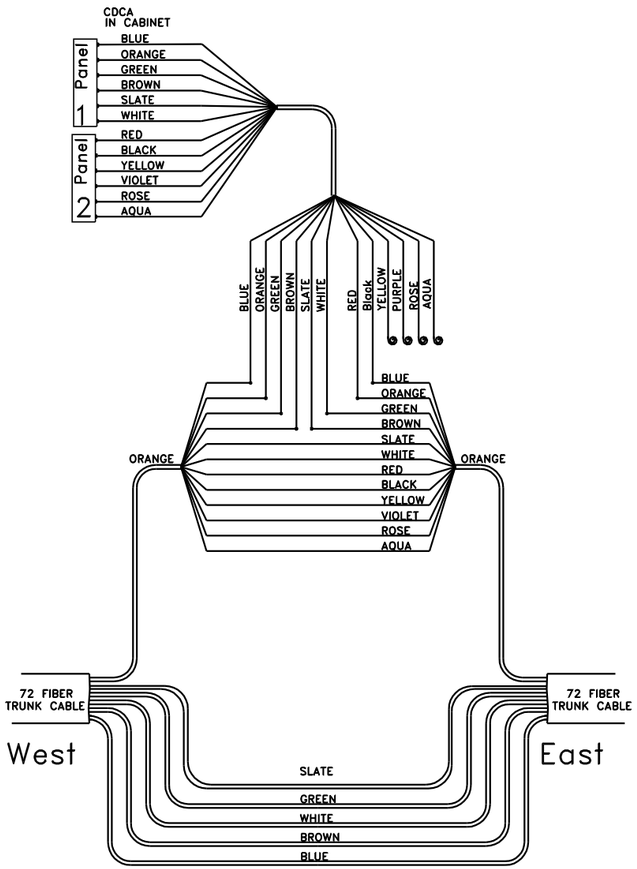
PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE (702) 736-6632 • FAX (702) 736-0704

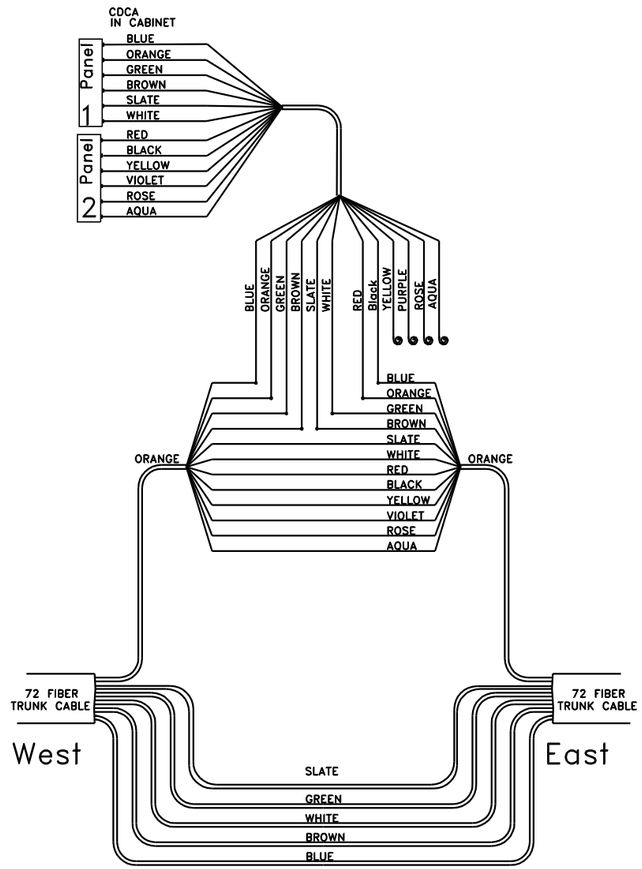
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VERT : NONE
FIELD BOOK : NONE

SHEET No. IT-60

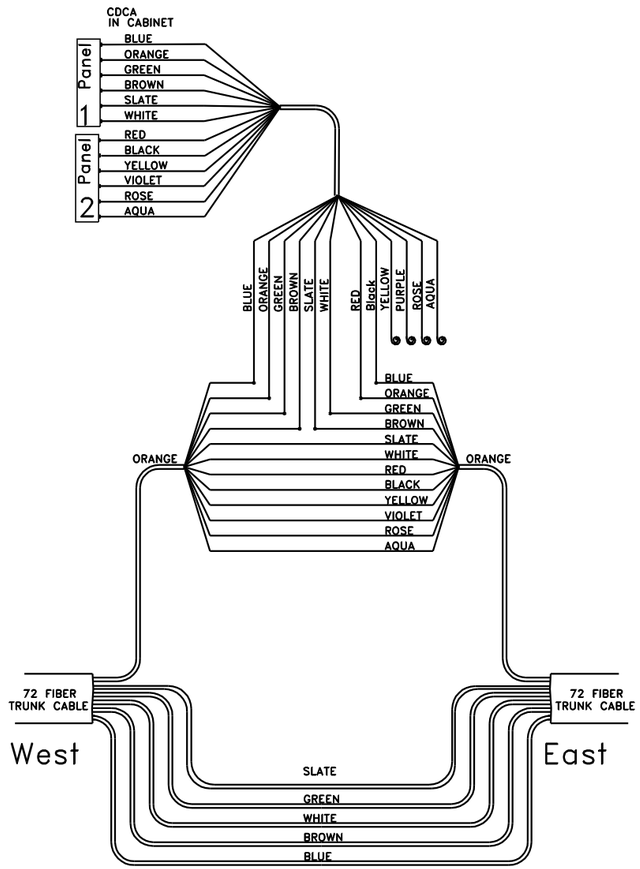
CDCA = Communication Distribution Cable Assembly



Sahara – Torrey Pines
- El Camino
- Jones
- Lindell
- "Trailblazer" 505' W/Sahara 130+40



Sahara – Decatur
- "Trailblazer" 515' E/Decatur 140+65
- Arville
- Valley View
- "Trailblazer" 580' E/Vly Vw 192+40
- Spanish Oaks/Rye St



Sahara – Richfield/Shopping Center
- Paseo Del Prado/Teddy Dr
- Palace Station
- Rancho

AS-BUILT

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FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWERLINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

SAHARA HUB 3 TO RANCHO SPLICE DIAGRAM

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

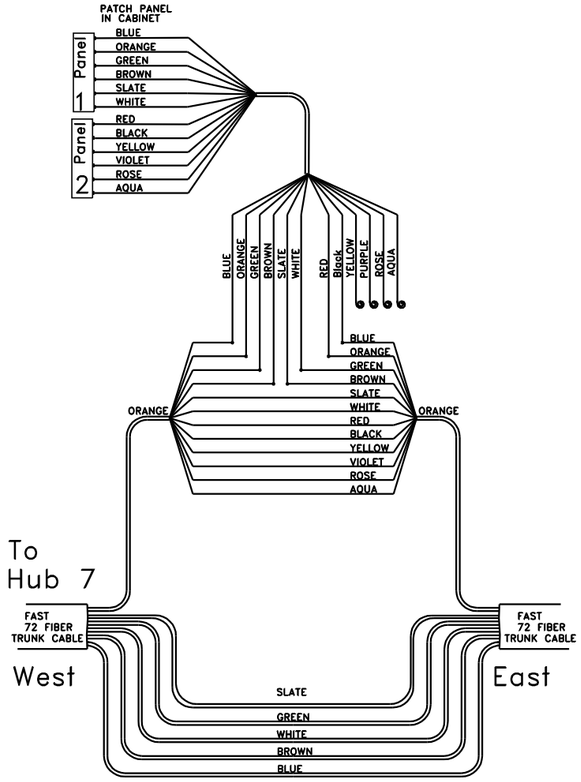
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PHONE (702) 736-6632 • FAX (702) 736-0704

SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

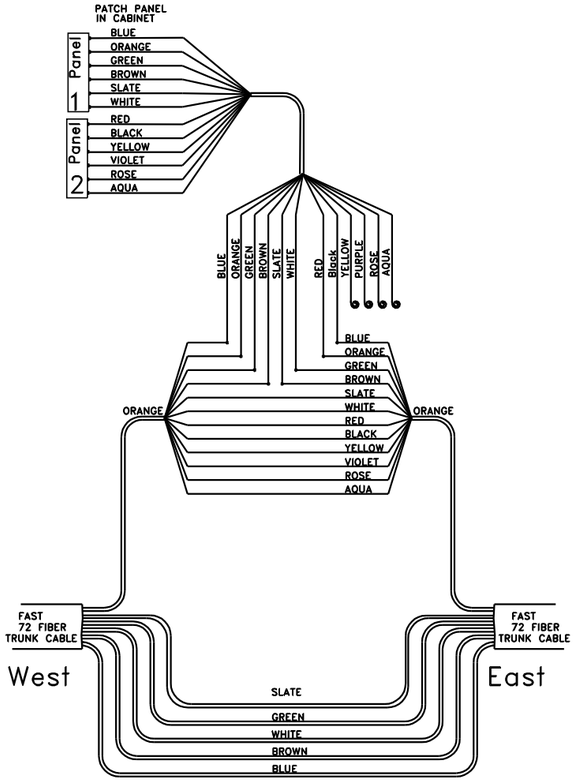
SHEET No. IT-61

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

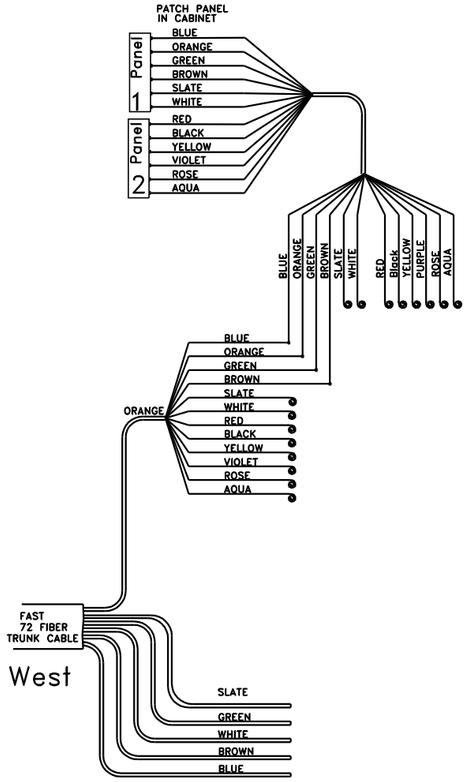
AS - BUILT - 05.31.2012

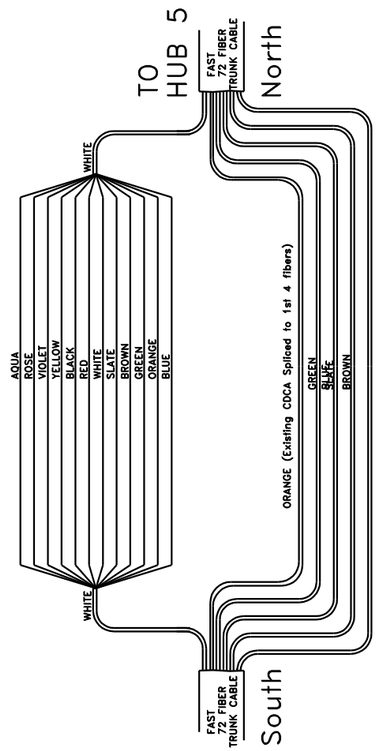


Sahara – Las Vegas Blvd
– Paradise
– Joe W Brown
– 6th
– Commercial Center
– Maryland Pkwy



Sahara – HAWK (Ped Crossing Signal)
– Burnham
– Eastern
– Atlantic
– McLeod
– Mojave





Sahara – Boulder Hwy
(Connection to be done by FAST staff)

AS-BUILT

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Call 811 or 1-800-227-2600

FAST Call before you UnderGround 1-702-432-5300

CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
AB	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

ITS AND LIGHTING PLANS

SAHARA LAS VEGAS BLVD TO BOULDER HWY SPLICE DIAGRAM

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
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HORIZ : AS SHOWN
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FIELD BOOK : NONE

SHEET No. IT-62

Sheet 568 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

Call 811 OR 1-800-227-2600

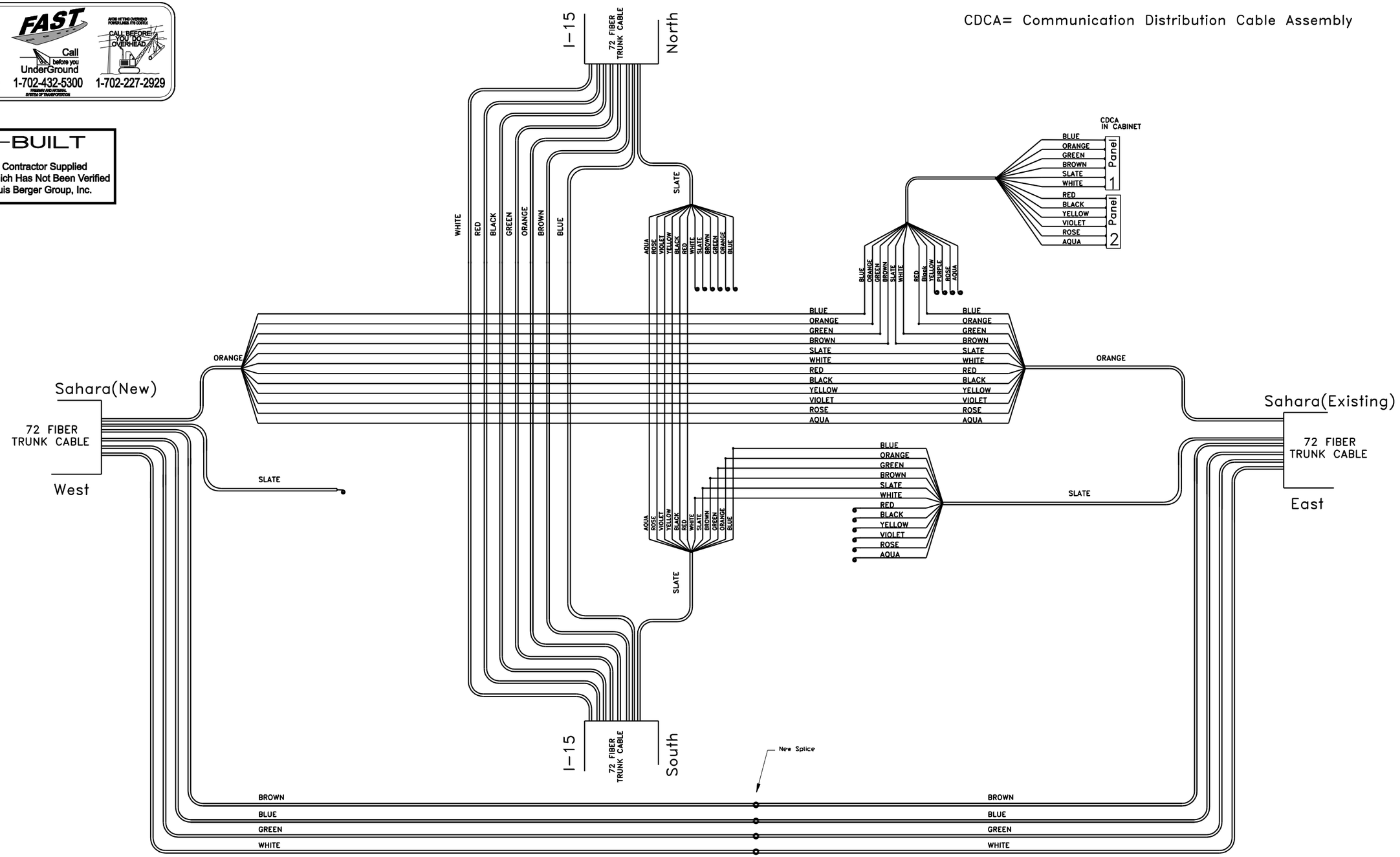
FAST Call before you UnderGround 1-702-432-5300 PRIMARY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

AS-BUILT

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CDCA= Communication Distribution Cable Assembly



● = Ssplice

SAHARA & I-15

REV. NO.	DATE	DESCRIPTION	APPROVED
A	5/31/12	AS-BUILT	RJP

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ITS AND LIGHTING PLANS
SAHARA & I-15 SPLICE DIAGRAM
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: GFV
DESIGNED BY: KK CHECKED BY: RJP
APPROVED BY RJP

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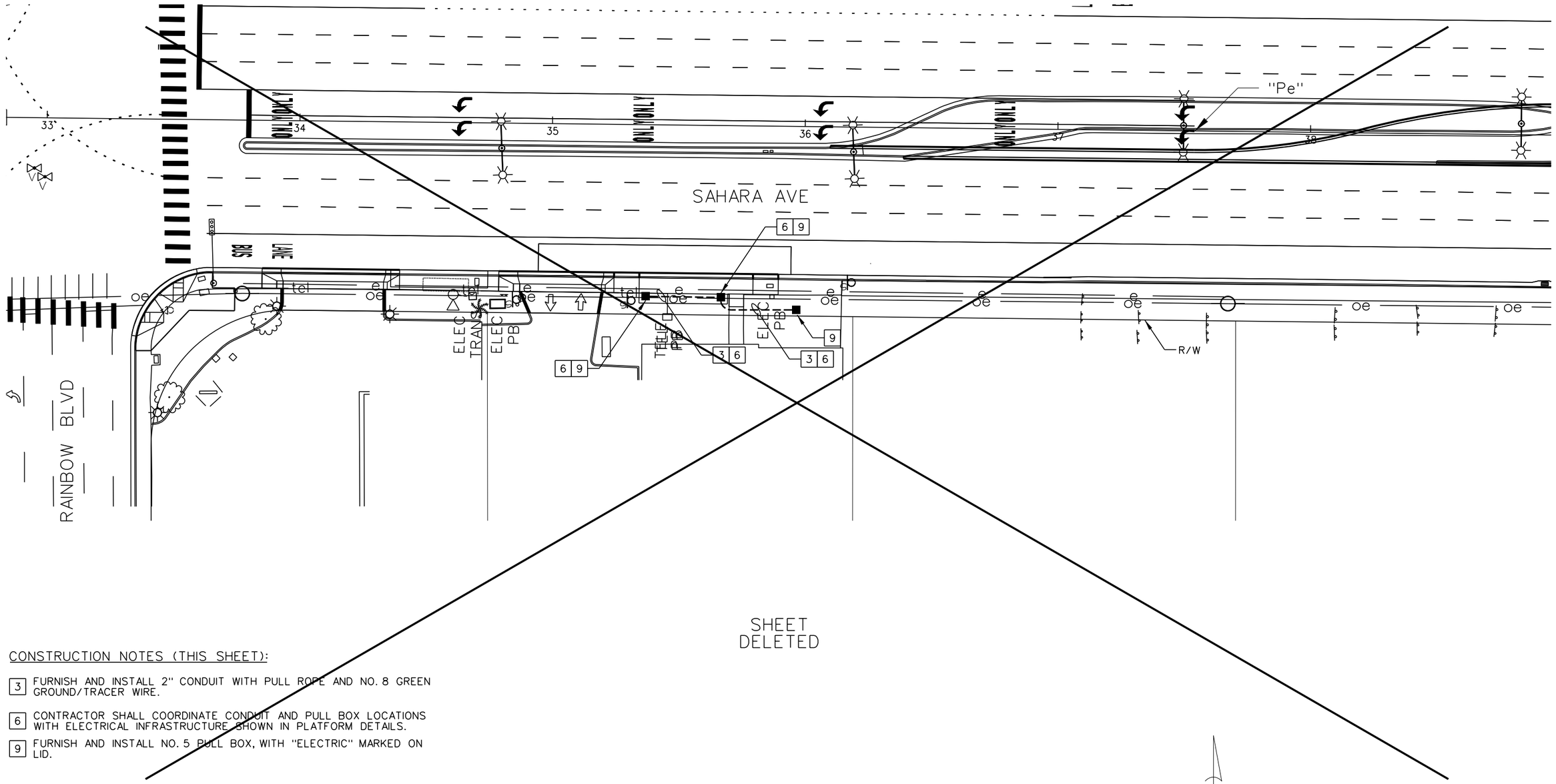
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. IT-63

Sheet 569 of 592

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



SHEET
DELETED

CONSTRUCTION NOTES (THIS SHEET):

3 FURNISH AND INSTALL 2" CONDUIT WITH PULL ROPE AND NO. 8 GREEN GROUND/TRACER WIRE.

6 CONTRACTOR SHALL COORDINATE CONDUIT AND PULL BOX LOCATIONS WITH ELECTRICAL INFRASTRUCTURE SHOWN IN PLATFORM DETAILS.

9 FURNISH AND INSTALL NO. 5 PULL BOX, WITH "ELECTRIC" MARKED ON LID.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By Kimley-Horn and Associates, Inc.

20 10 0 20 40
GRAPHIC SCALE

Call before you Dig — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600

FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
PLATFORM SERVICE 1
EASTBOUND SAHARA AVE AT RAINBOW BLVD
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: BLH
DESIGNED BY: RWF CHECKED BY: RWC
APPROVED BY RWC

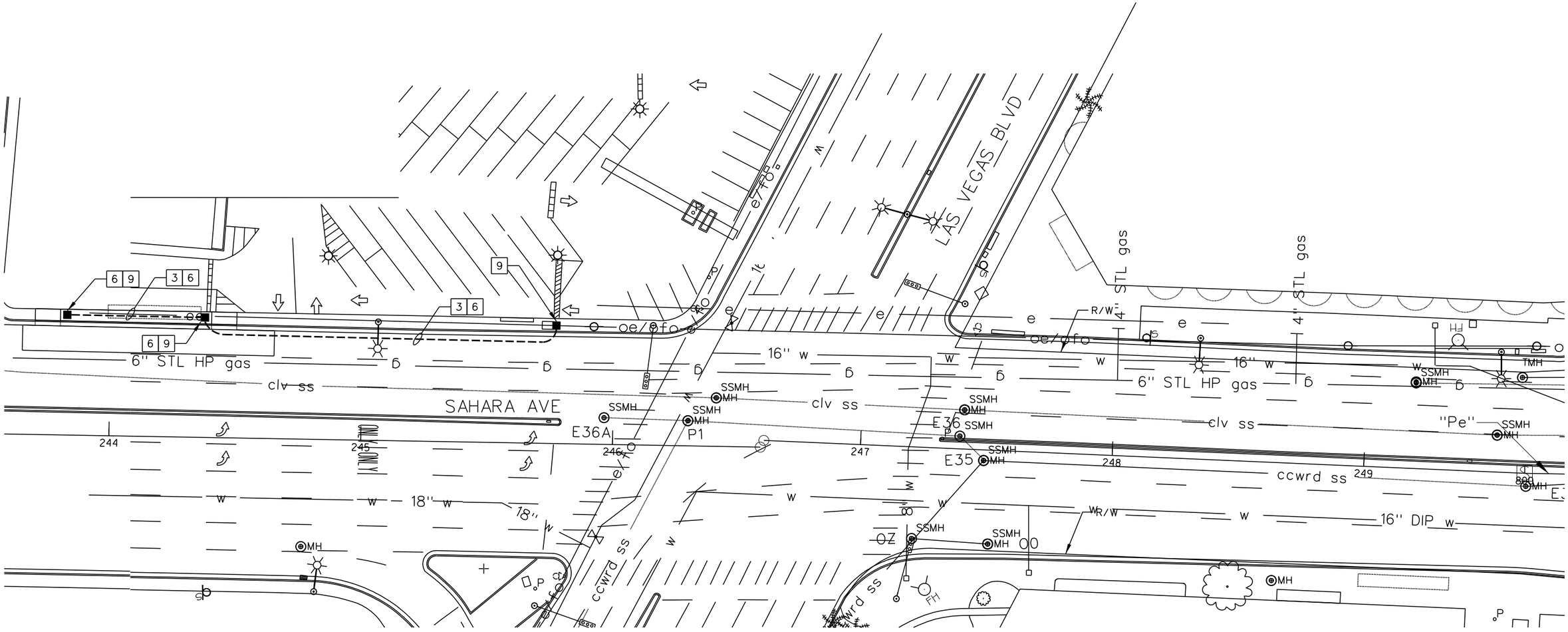
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SCALE
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FIELD BOOK : NONE

SHEET No.
E-1
Sheet 570 of 592

AS - BUILT - 05.31.2012

XREF :
FILE :



CONSTRUCTION NOTES (THIS SHEET):

3 FURNISH AND INSTALL 2" CONDUIT WITH PULL ROPE AND NO. 8 GREEN GROUND/TRACER WIRE.

6 CONTRACTOR SHALL COORDINATE CONDUIT AND PULL BOX LOCATIONS WITH ELECTRICAL INFRASTRUCTURE SHOWN IN PLATFORM DETAILS.

9 FURNISH AND INSTALL NO. 5 PULL BOX, WITH "ELECTRIC" MARKED ON LID.

AS-BUILT

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20 10 0 20 40
GRAPHIC SCALE

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FAST — Call before you UnderGround 1-702-432-5300 — FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY! CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PLATFORM SERVICE 2

WESTBOUND SAHARA AVE AT LAS VEGAS BLVD

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	BLH
DESIGNED BY:	RWF	CHECKED BY:	RWC
APPROVED BY	RWC		

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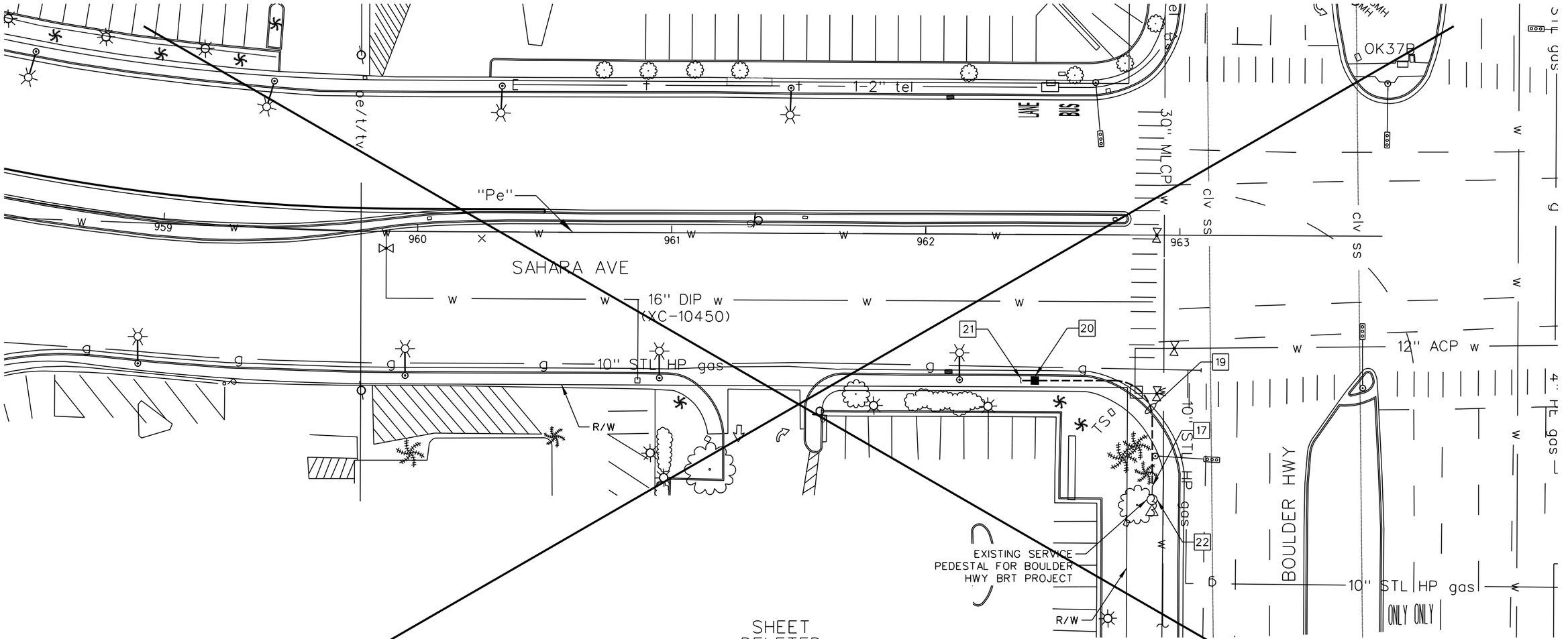
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SCALE
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VERT : NONE
FIELD BOOK : NONE

SHEET No. E-2

XREF :
FILE :



SHEET DELETED

CONSTRUCTION NOTES (THIS SHEET):

17 INTERCEPT EXISTING CONDUIT STUB OUT AND INSTALL CONDUIT.

19 FURNISH AND INSTALL 2" CONDUIT WITH PULL ROPE AND NO. 8 GREEN GROUND/TRACER WIRE. CONTRACTOR SHALL COORDINATE INSTALLATION WITH FINAL STATION LOCATION. SEE STATION PLANS FOR EQUIPMENT WIRING REQUIREMENTS.

20 FURNISH AND INSTALL NO. 5 PULL BOX, WITH "ELECTRIC" MARKED ON LID. CONTRACTOR SHALL COORDINATE INSTALLATION WITH FINAL STATION LOCATION.

21 FURNISH AND INSTALL 2" CONDUIT STUB-OUT FOR CONNECTION TO STATION AND/OR STATION EQUIPMENT. CONTRACTOR SHALL COORDINATE INSTALLATION WITH FINAL STATION LOCATION. SEE STATION PLANS FOR EQUIPMENT WIRING REQUIREMENTS.

22 FURNISH AND INSTALL BREAKERS IN EXISTING SERVICE PEDESTAL PER PLATFORM PANEL BOARD SCHEDULE ON SHEET E-5.

AS-BUILT

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20 10 0 20 40
GRAPHIC SCALE

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Call 811
1-800-227-2600
FAST Call before you UnderGround
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
1-702-432-5300
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT

PLATFORM SERVICE 3

EASTBOUND SAHARA AVE AT BOULDER HWY

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No: CB 1083 DRAWN BY: BLH
DESIGNED BY: RWF CHECKED BY: RWC
APPROVED BY RWC

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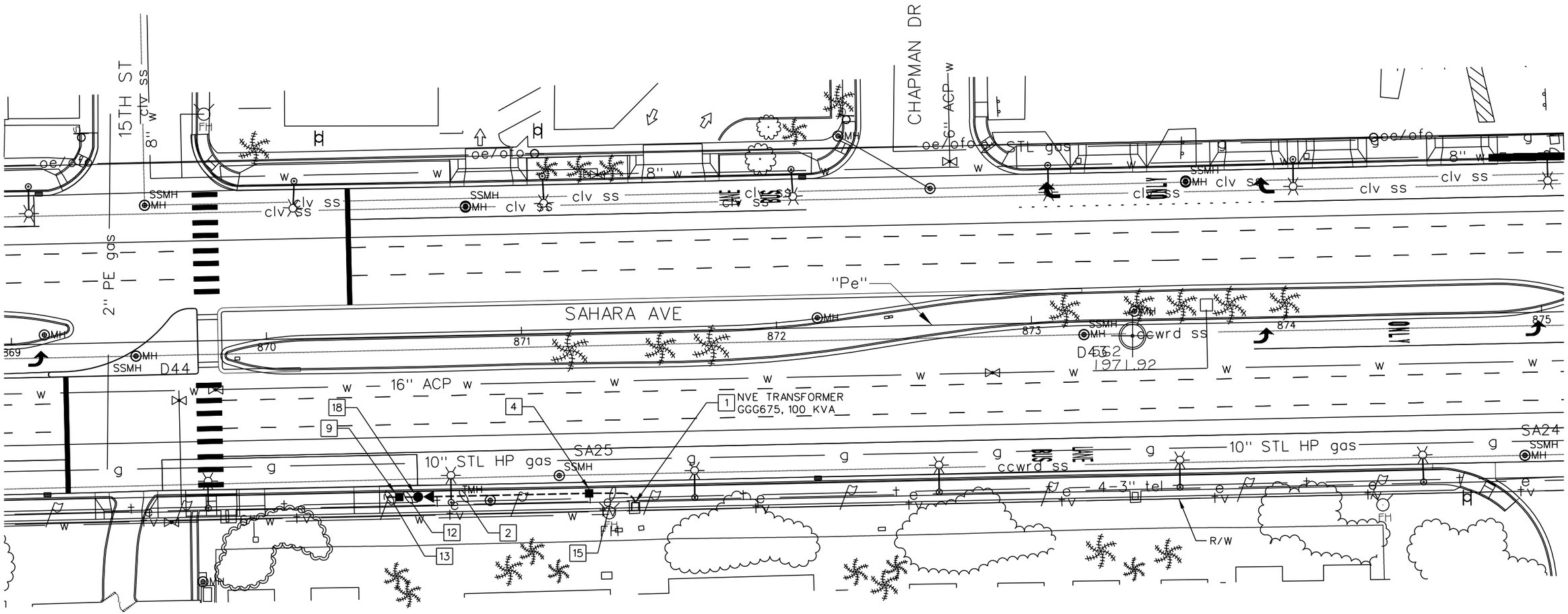
SCALE
HORIZ: AS SHOWN
VERT: NONE
FIELD BOOK: NONE

SHEET No. E-3
Sheet 572 of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012



CONSTRUCTION NOTES (THIS SHEET):

1. INSTALL CONDUIT INTO EXISTING NV ENERGY TRANSFORMER PER NV ENERGY REQUIREMENTS.
2. FURNISH AND INSTALL 2" CONDUIT WITH PULL ROPE AND 2-#4/0 THW AND 1-#4/0 WHITE THW SERVICE CONDUCTORS PER U.S.D.C.C.A DRAWING 332.1.
4. FURNISH AND INSTALL RS-1 PULL BOX PER NV ENERGY REQUIREMENTS.
9. FURNISH AND INSTALL NO. 5 PULL BOX, WITH "ELECTRIC" MARKED ON LID.
12. FURNISH AND INSTALL 2" CONDUIT WITH PULL ROPE AND NO. 8 GREEN GROUND/TRACER WIRE.
13. FURNISH AND INSTALL 2" CONDUIT STUB-OUT FOR CONNECTION TO PEDESTRIAN SIGNAL CABINET. CONTRACTOR SHALL COORDINATE CONDUIT INSTALLATION WITH PEDESTRIAN CROSSING SIGNAL PLAN, (SHEET T-27).
15. FURNISH AND INSTALL 4" SERVICE CONDUIT PER NV ENERGY REQUIREMENTS.
18. FURNISH AND INSTALL 200 AMP MAIN BREAKER, 120/240 VOLT, 1 PHASE, 3 WIRE SERVICE PEDESTAL PER U.S.D.C.C.A. DRAWINGS 330, 331, AND 332.1. PROVIDE 1-60A (SIGNAL) AND 2-40A (LIGHTING) SINGLE POLE BREAKERS FOR THE PEDESTRIAN CROSSING SIGNAL.

THE CONTRACTOR SHALL CONFORM TO NV ENERGY REQUIREMENTS AND NV ENERGY ELECTRICAL SERVICE DESIGN PLANS (PROJECT ID: 194125) FOR INSTALLATION OF BRT ELECTRICAL SERVICE AND CONNECTION TO NV ENERGY SERVICE FACILITIES. ALL CONDUIT, PULL BOX, AND METER INSTALLATIONS SHALL BE WITHIN NDOT (PUBLIC) RIGHT-OF-WAY AND/OR EXISTING NV ENERGY EASEMENT FOR CONNECTION TO TRANSFORMER.

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By Kimley-Horn and Associates, Inc.

20 10 0 20 40
GRAPHIC SCALE

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FAST — Call before you UnderGround 1-702-432-5300

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
SIGNAL SERVICE 1
SAHARA AVE AT 15TH ST
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

PROJECT No:	CB 1083	DRAWN BY:	BLH
DESIGNED BY:	RWF	CHECKED BY:	RWC
APPROVED BY	RWC		

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FIELD BOOK : NONE

SHEET No. E-4

Sheet 573 of 592

XREF :
FILE :

SAHARA AVENUE, BUS RAPID TRANSIT PROJECT

AS - BUILT - 05.31.2012

MAIN: 200A/2P
120/240V, 1 PHASE-3 WIRE

TYPE	DESCRIPTION	BREAKER AMP/POLE	CKT	LOAD/PHASE (VA) A	LOAD/PHASE (VA) B	CKT	BREAKER AMP/POLE	DESCRIPTION	TYPE
E	NEXT BUS DISPLAY AND LCD	20/1*	1	775		2	20/1*	GENERAL LIGHTING	L
E	TICKET MACHINE	30/1*	3		3,600	4	20/1*	AD PANEL	L
E	TELCOM/SECURITY CABINET	20/1*	5	1,500		6	20/1*	CONVENIENCE	R
	SPARE	20/1*	7		0	8	20/1*	STATION ID LIGHTING	L
	SPARE	20/1*	9	0		10	20/1*	SPARE	
E	NEXT BUS DISPLAY AND LCD	20/1	11		775	12	20/1	GENERAL LIGHTING	L
E	TELCOM/SECURITY CABINET	20/1	13	1,500		14	20/1	AD PANEL	L
	SPARE	20/1	15		0	16	20/1	CONVENIENCE	R
	SPARE	20/1	17	0		18	20/1	STATION ID LIGHTING	L
	SPARE		19		0	20	20/1	SPARE	
SUBTOTAL (VA)				3,775	4,375	3,130	3,130	SUBTOTAL (VA)	
TOTAL ALL PHASES (VA)				PHASE A		PHASE B		TOTAL ALL PHASES (AMPS)	
00,000				8,150		9,005		38	

*EXISTING EQUIPMENT AND/OR BREAKERS INSTALLED WITH BOULDER HIGHWAY BRT PROJECT.

LOAD SUMMARY BY TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC LOAD
E = EQUIPMENT	8,150 VA	1.00	8,150 VA
L = LIGHTING	5,540 VA	1.25	6,925 VA
R = RECEPTACLE	720 VA	NEC LOAD	720 VA

CONNECTED LOAD SUMMARY
14,410 VA
60 AMPS

NEC LOAD SUMMARY
15,795 VA
66 AMPS

TYPICAL TWO PLATFORM PANEL BOARD SCHEDULE

PLATFORM SERVICE 3 (SHEET E-3)

AS-BUILT

Based on Contractor Supplied Information Which Has Not Been Verified By Kimley-Horn and Associates, Inc.

PROPOSED EQUIPMENT, LOADS AND SERVICE REQUIREMENTS PROVIDED BY RTC.

Call before you Dig AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600
FAST Call before you UnderGround 1-702-432-5300 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

REV. NO.	DATE	DESCRIPTION	APPROVED
	5/31/12	AS-BUILT	RWC

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

SAHARA AVENUE BUS RAPID TRANSIT PROJECT
ELECTRICAL DETAILS
TYPICAL PANEL BOARD SCHEDULES
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

THE Louis Berger Group, INC.
500 AMIGO COURT, SUITE 100 • LAS VEGAS, NEVADA • 89119
PHONE: (702) 736-6633 • FAX: (702) 736-0704
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PROJECT No: CB 1083 DRAWN BY: BLH
DESIGNED BY: RWF CHECKED BY: DH
APPROVED BY RWC

SCALE
HORIZ : AS SHOWN
VERT : NONE
FIELD BOOK : NONE

SHEET No. E-5

XREF :
FILE :

AS - BUILT - 05.31.2012