

MATCHLINE STA 277+00 SEE BELOW RIGHT

SIGNAL HEAD NOTE

REPLACE NORTHBOUND AND SOUTHBOUND MAST ARM MOUNTED SIGNAL HEADS AND BACKPLATES WITH NEW IN KIND SIGNAL HEADS AND REFLECTIVE BACKPLATES. SEE TABLE 2, SHEET D-5 AND SP 623.

MATCHLINE STA 286+50 SEE IP-14

AIRPORT DRIVE

RANCHO DRIVE

RANCHO DRIVE

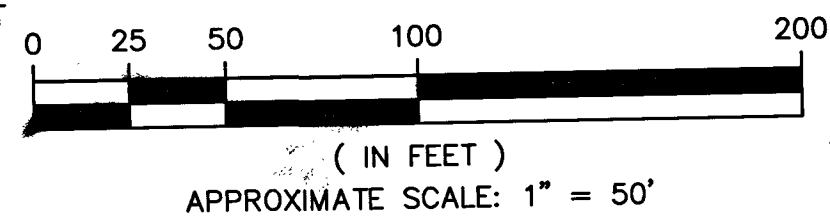
MATCHLINE STA 267+00 SEE IP-12

MATCHLINE STA 277+00 SEE ABOVE LEFT

SIGNAL HEAD NOTE

REPLACE NORTHBOUND AND SOUTHBOUND MAST ARM MOUNTED SIGNAL HEADS AND BACKPLATES WITH NEW IN KIND SIGNAL HEADS AND REFLECTIVE BACKPLATES. SEE TABLE 2, SHEET D-5 AND SP 623.

* WHEN INTERCEPTING EXISTING CONDUIT WITH CABLE INSTALLED, CABLE MUST BE DISCONNECTED IN NEAREST CONTROLLER AND PULLED OUT AND REINSTALLED ONCE SPLICE VAULT IS IN PLACE



NOTE:

PROTECT EXISTING SWG FACILITIES WHEN TRENCHING

*STATIONS SHOWN ARE FOR REFERENCE ONLY



Orth-Rodgers and Associates, Inc.
TRANSPORTATION ENGINEERS AND PLANNERS
3130 South Durango Drive, Suite 404
Las Vegas, NV 89117 (702) 233-4060

REMOVAL NOTES

- 3 REMOVE EXISTING #7 PULLBOX
- 12 REMOVE EXISTING NDOT #7 PULLBOX AND JOIN CONDUIT TO MAKE CONTINUOUS
- 13 REMOVE EXISTING P-30 PULLBOX AND JOIN CONDUIT TO MAKE CONTINUOUS

CONSTRUCTION NOTES

- 1 VERIFY PATH, REMOVE EXISTING INTERCONNECT CABLE, CLEAN OUT AND RECONDITION EXISTING CONDUIT TO ACCOMMODATE FIBER OPTIC CABLE PER SP623.05 F
- 2 EXISTING 2" CONDUIT
- 4 EXISTING P-30 PULLBOX
- 6 EXISTING #5 PULLBOX
- 7 EXISTING #7 PULLBOX
- 8 EXISTING TYPE 200 SPLICE VAULT
- 10 EXISTING NDOT #7 PULLBOX
- 12 INSTALL TYPE 200 SPLICE VAULT SEE DETAILS SHEET D-1
- 13 INSTALL 72 STRAND FIBER OPTIC TRUNK LINE AND A 6 PAIR PE39 NO 22 AWG TRACER IN EXISTING CONDUIT
- 14 INSTALL CDCA UNIT IN CONTROLLER CABINET
- 15 INTERCEPT EXISTING INTERCONNECT CONDUIT
- 22 INSTALL 4" CONDUIT AT LIP OF GUTTER PER DETAIL A SHEET D-2
- 26 INSTALL CCTV WITH 10' RISER PER CCUSD NO. 766. SEE DETAILS SHEET D-4
- 27 INSTALL CCTV CABLE IN EXISTING CONDUIT
- 28 UPGRADE PHASE SELECTOR CARD FOR OPTICOM SENSOR TO A GT764 AND A GTT 768 AUXILIARY INTERFACE PANEL (AIP).
- 31 INSTALL FIBER OPTIC SPLICE WITHIN ENCLOSURE PER DIAGRAM SHEETS IP-26 THRU IP-29
- 32 CONTRACTOR TO SUPPLY A VIDEO ENCODER AND A LAYER 2 FIELD-HARDENED ETHERNET SWITCH TO FAST PER THE RTC UNIFORM STANDARD SPECIFICATION 685 AND 684 RESPECTIVELY, INSTALLATION BY FAST
- 34 INSTALL 4" CONDUIT IN TRANSVERSE TRENCH PER DETAIL A SHEET D-2
- 39 PROTECT IN PLACE EXIST 4" CONDUIT AND 25 PAIR INTERCONNECT CABLE
- 41 PROTECT IN PLACE EXISTING 4" CONDUIT AND 72 STRAND FIBER OPTIC CABLE AND 6 PAIR PE 39 NO 22 AWG TRACER
- 42 EXISTING 3" CONDUIT
- 43 EXISTING 4" CONDUIT
- 46 PROTECT IN PLACE EXISTING 72 STRAND FIBER OPTIC TRUNK LINE AND 6 PAIR PE39 NO. 22 TRACER
- 50 INSTALL EXISTING CAREY 72 STRAND FIBER OPTIC CABLE AND 6 PAIR PE 39 NO 22 AWG TRACER COILED IN TYPE 200 VAULT ON NE CORNER TO FAST HUB ON NW CORNER
- 51 INSTALL SOUTH RANCHO 72 STRAND FIBER OPTIC CABLE AND 6 PAIR PE 39 NO 22 AWG TRACER TO FAST HUB ON NW CORNER
- 54 INSTALL NORTH RANCHO 72 STRAND FIBER OPTIC CABLE AND 6 PAIR PE 39 NO 22 AWG TRACER TO FAST HUB ON NW CORNER
- 72 INSTALL CDCA ITS DROP CABLE GP2G012FR-60 AND 6 PAIR PE39 NO 22 AWG TRACER IN CONDUIT
- 73 INSTALL TYPE VIII CABINET, COMMONLY REFERRED TO AS A TYPE "R" CABINET ON EXISTING TYPE "J" FOUNDATION. THE CABINET SHALL HAVE TWO (2) RACK-MOUNTED, 12 SLOT, LOOP DETECTION RACKS WITH 2 DETECTOR LOOP CHANNELS PER SLOT FULLY WIRED SO THAT ALL CHANNELS ARE USABLE. WITH 4 CHANNEL SLOTS THAT CAN ACCOMMODATE VIDEO DETECTION CABLES. THE CABINET SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS, CLARK COUNTY AREA, NEVADA
- 74 THE CONTRACTOR SHALL FURNISH NEW NAZTEC 980 ATC TS2 TYPE 2 NTCIP COMPLIANT SIGNAL CONTROLLER OR NEW SIEMENS EAGLE M-53 SIGNAL CONTROLLER, FOURTEEN DAYS PRIOR TO SIGNAL TURN-ON FOR TESTING PURPOSES. THE CONTRACTOR SHALL DELIVER THE CONTROLLER TO, AND PICK UP CONTROLLER AT 2801 EAST CHARLESTON BOULEVARD. CONTRACTOR SHALL NOTIFY THE TRAFFIC SIGNAL REPAIR SHOP (229-6075) SEVEN DAYS PRIOR TO PICKUP.
- 76 UPGRADE VIDEO DETECTION SYSTEM WITH ETHERNET CAPABILITIES, COLOR CAMERAS, AND CABLE USING EXISTING CONDUIT. SEE SHEET D-5 FOR DETAILS.
- 79 INSTALL A FIBER OPTIC TERMINATION UNIT (FTU) FOR THE SOUTH RANCHO FAST TRUNK LINE CABLE, AN FTU FOR THE NORTH RANCHO FAST TRUNK LINE CABLE AND AN FTU FOR THE CAREY FAST TRUNK LINE CABLE. SEE FTU NOTES ON PAGE IP-30 THRU IP-32.
- 91 UPGRADE SIDEWALK RAMP PER CCUSD NO 235
- 92 REMOVE AND REPLACE SIDEWALK PANEL FOR THE WET INSTALLATION OF THE TACTILE WARNING STRIP PER CCUSD NO 235 (4 OF 4).
- 90 UPGRADE EXISTING PEDESTRIAN PUSH BUTTON TO AN AUDIBLE-TACTILE PEDESTRIAN SYSTEM USING EXISTING CONDUIT AND CABLE.

SAFETY ALERT

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DEPARTMENT OF PUBLIC WORKS
ENGINEERING DESIGN SECTION

CLV ITS INFRASTRUCTURE - CORRIDOR 2
RANCHO DRIVE

TRAFFIC SIGNAL INTERCONNECT INFRASTRUCTURE
UPGRADE PLAN STA 267+00 TO STA 286+50

Sheet
IP-13

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DRAWING NO.
107V4475-FIB

APPROVED