

POLE SCHEDULE

POLE*	LOCATION STATION AND OFFSET	TYPE HEIGHT FOUN.	MAST ARM QUAD	LUMINAIRE QUAD	VEHICLE SIGNALS		PEDESTRIAN PUSH BUTTON		REMARKS
					TYPE	QUAD	TYPE	QUAD	
A	CASINO CENTER BLVD STA 84+88.2, 43± LT	XX-A 30' L	3	30'	(1) M-2 B-1T	MA 1	CS-1*** CS-1***	2 3	2 3 4 5 6 11 12 15
B	CASINO CENTER BLVD STA 84+89.2, 43± RT	XX 30' H	4	45'	(2) M-2 B-2T	MA 2	W-4T**	2	4 5 6 10 11 12 16
C	CASINO CENTER BLVD STA 84+122.1, 44± RT	XX 30' H	1	30'	(1) M-2 B-1T	MA 3	W-4T**	3	4 5 6 11 12 15
D	CASINO CENTER BLVD STA 84+132.1, 41± LT	XX 30' H	2	40'	(2) M-2 B-2T	MA 4	W-4T**	4	3 4 5 6 10 11 12 16
E	CASINO CENTER BLVD STA 84+91.2, 9± LT	1-B 4' C	-	-	-	-	-	-	5
F	CASINO CENTER BLVD STA 84+06.2, 16± RT	1-A 10' C	-	-	A-2T	TOP	-	-	5 11

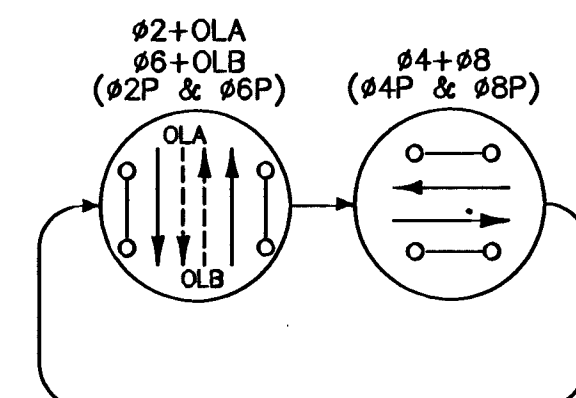
SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUDS) FOR POLE, POLE FOUNDATION, SIGNAL MOUNTING HARDWARE AND OTHER DETAILS RELATED TO SIGNAL POLE INSTALLATION.

* - ALL POLES, MAST ARMS, AND LUMINAIRES SHALL CONFORM TO THE CITY OF LAS VEGAS CENTENNIAL STANDARDS.

** - SEE SHEET TS-17 FOR PEDESTRIAN SIGNAL ASSEMBLY DETAIL.

*** - SEE SHEET TS-18 FOR CLAM SHELL (CS) PEDESTRIAN SIGNAL HEAD MOUNTING ASSEMBLY DETAIL.

PROPOSED PHASE DIAGRAM



FLASH OPERATIONS - ALL RED
OPTICOM PREEMPTION - #2+08, #4+08, OLA, OLB

STREET NAME SIGN SCHEDULE

POLE	ORDINAL	STREET NAME	SUFFIX	BLOCK*	DOUBLE SIDED
A	S	CASINO CENTER	BLVD	900	YES
B	E	COOLIDGE	AVE	100	YES
C	S	CASINO CENTER	BLVD	1000	YES
D	E	COOLIDGE	AVE	200	YES

STREET NAME SIGN (SEE DETAIL CCAUD 404.416, 404.417 AND CLV MODIFIED DETAIL ON SHEET TS-17)

* - INSTALLED PER CCAUD No. 404.420, CONTRACTOR SHALL VERIFY BLOCK NUMBER PRIOR TO FABRICATION OF SIGN.

CONSTRUCTION NOTES (THIS SHEET ONLY)

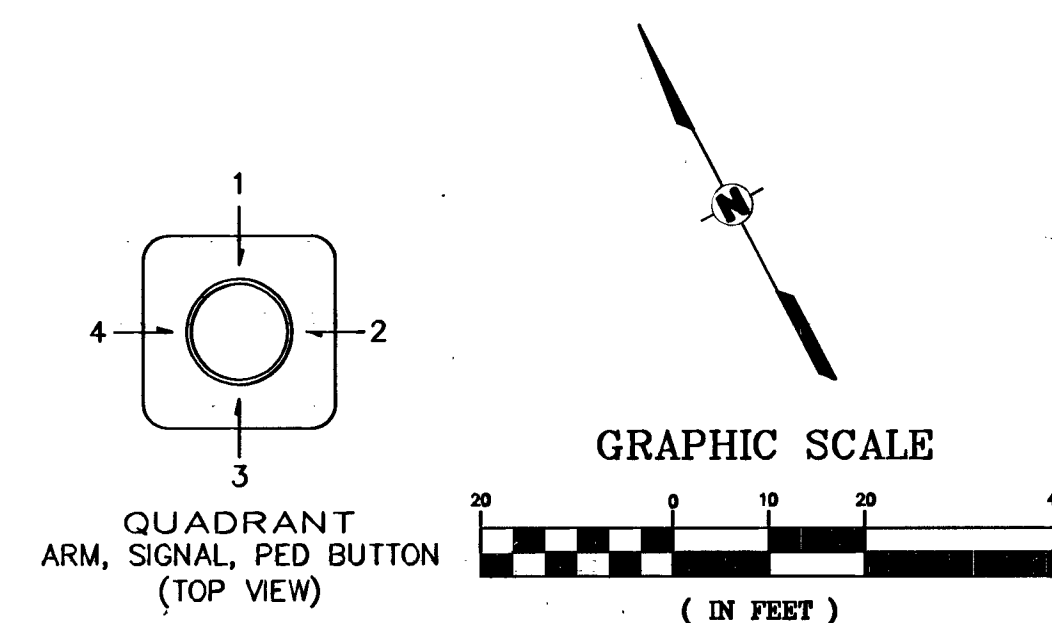
- NEW 200 AMP 120/240 VAC SERVICE PEDESTAL. SEE SHEETS SL-1 TO SL-21 FOR SERVICE PEDESTAL EQUIPMENT AND INSTALLATION DETAILS.
- INSTALL CITY PROVIDED XX-A POLE AND POLE MOUNTED TRAFFIC SIGNAL CABINET ASSEMBLY. CONTRACTOR SHALL FURNISH AND INSTALL POLE FOUNDATION, MAST ARMS AND ALL HARDWARE AS SHOWN ON PLANS. ALL NECESSARY AMPLIFIER UNITS, MODULES, LIGHT CONTROL UNITS, SWITCHES, OPTICOM, FLASHERS, AREA WIDE COMPUTER CONTROL, ETC. SHALL BE WIRED IN CABINET TO ACTIVATE THE PHASE OPERATION AS SHOWN. CONTRACTOR SHALL PREPARE AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT DETAILING ANY CHANGES TO THE CONTROLLER OPERATION. CABINET SHALL BE ORIENTED SO MAINTENANCE PERSONNEL SHALL BE FACING TRAFFIC WHEN SERVICING OR AS DIRECTED BY THE FIELD ENGINEER.
- FURNISH AND INSTALL 3M MODEL 722 OPTICOM SENSORS ON THE TRAFFIC SIGNAL HEAD(S) IDENTIFIED ON PLAN. RUN OPTICOM DETECTOR CABLE, 3M MODEL 138, FROM THE CONTROLLER TO TRAFFIC SIGNAL HEAD(S) INDICATED ON PLANS AS SHOWN IN THE CONDUIT AND WIRE SCHEDULE. WIRE CONTROLLER AND PROVIDE ONE (1) 3M MODEL 754 PHASE SELECTOR.
- FURNISH AND INSTALL INTERNALLY-ILLUMINATED STREET NAME SIGN. MOUNT STREET NAME SIGN ONTO MAST ARM PER CCAUD No. 404.416. SEE STREET NAME SIGN SCHEDULE THIS SHEET.
- PEDESTRIAN PUSH BUTTONS SHALL BE AUDIBLE/TACTILE TYPE.
- FURNISH AND INSTALL 400 WATT HIGH PRESSURE SODIUM INTERSECTION LIGHTING WITH IES MC3 DISTRIBUTION COMPLETE WITH 120V MAGNETIC REGULATOR TYPE BALLAST (GARDCO CA22-1-3-400HPS-120-OC-RAL6012 MF PC OR APPROVED EQUAL) AND AREA LIGHTING RESEARCH ELECTRONIC PHOTOCELL (#2190VP3) AS INDICATED ON PLANS.
- TYPE 200 PULL BOX MARKED "FIBER OPTIC" (SEE SHEETS SL-1 TO SL-21 FOR INTERCONNECT AND STREET LIGHTING DETAILS).
- FURNISH AND INSTALL No. 3 1/2 PULL BOX MARKED "TRAFFIC SIGNAL" PER CCAUD No. 404.110, 404.140, AND LOOP PULL BOX DETAIL (SEE SHEET TS-18).
- FURNISH AND INSTALL No. 7 PULL BOX MARKED "TRAFFIC SIGNAL" PER CCAUD No. 404.130 AND 404.140.
- FURNISH AND INSTALL BRT CCTV ON SIGNAL POLE. FURNISH AND INSTALL ALL CABLE FROM CAMERA TO BRT STATION CABINET.
- ALL VEHICLE SIGNAL INDICATIONS AND PEDESTRIAN SIGNAL INDICATIONS SHALL BE SUPPLIED WITH LIGHT EMITTING DIODE (LED) SIGNAL MODULES INSTALLED.
- PEDESTRIAN SIGNAL HEADS SHALL BE COUNT DOWN TYPE.
- INSTALL 6"x6" MULTIPLE PREFORMED LOOP SYSTEM (SEE SHEET TS-18 FOR LOOP LAYOUT AND DETAILS).
- NEVADA POWER SERVICE POINT. SEE SHEETS SL-1 TO SL-21 AND NEVADA POWER CO. SERVICE DESIGN PLANS (PROJ. ID 184493) FOR DETAILS.
- FURNISH AND INSTALL SIGN ON MAST ARM (TYPE AS NOTED ON PLAN). SEE SIGN DETAILS (THIS SHEET) FOR SIGN DESIGNATION AND SIZE.
- FURNISH AND INSTALL TRANSIT SIGNAL HEAD (SEE SHEET TS-17 FOR DETAIL). CONTRACTOR SHALL WIRE TRANSIT SIGNAL HEADS WITH EXCLUSIVE CONDUCTORS TO CONTROLLER.
- FURNISH AND INSTALL No. 5 PULL BOX MARKED "TRAFFIC SIGNAL" PER CCAUD No. 404.120 AND 404.140.
- FURNISH AND INSTALL TYPE 100 PULL BOX MARKED "TRAFFIC SIGNAL". SEE SPECIFICATIONS FOR DETAILS AND VENDOR CONTACT.

GENERAL NOTES

- CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTING SIGNAL POLE FOUNDATIONS.
- CONTRACTOR SHALL INSTALL RED MARKING TAPE 18" BELOW GRADE, ABOVE ALL PROPOSED CONDUITS.
- CONTRACTOR SHALL VERIFY ALL UTILITY CONFLICTS AND OBSTACLES PRIOR TO TRENCHING.
- 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.
- CONTRACTOR TO COORDINATE LOCATIONS OF PROPOSED PULL BOXES TO BE ADJACENT TO SIDEWALK JOINTS AND SCORING PATTERN LINES. SEE LH SHEETS FOR SIDEWALK SCORING PATTERN.
- SEE SHEETS SL-1 TO SL-21 FOR SERVICE PEDESTAL, STREET LIGHTING AND INTERCONNECT DESIGN.

MAST ARM SIGN SCHEDULE

SIGN DESIGNATION	ARM, SIGNAL, PED BUTTON (TOP VIEW)	ONLY	ONLY
R3-18 24"x24"	R3-10 (MOD) 30"x36"	R3-4 24"x24"	



CONDUIT AND WIRE SCHEDULE

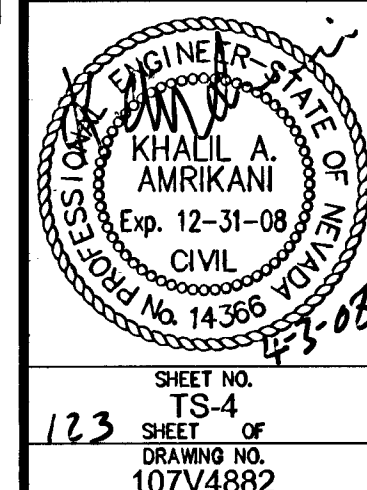
WIRE & CABLE	FROM	TO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2 No. 4 AWG 1 No. 8 AWG SERVICE METER	SERVICE	CONTROLLER	•	•															
2 No. 4 AWG 1 No. 8 AWG SERVICE METER	T100 PULL BOX		•																
1-25 COND. No. 14 1-OPTICOM CABLE	CONTROLLER	POLE A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1-25 COND. No. 14 CCTV CABLE**	CONTROLLER	POLE B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1-25 COND. No. 14 1-OPTICOM CABLE	CONTROLLER	POLE C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1-25 COND. No. 14 CCTV CABLE**	CONTROLLER	POLE D	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2-No. 10 COND.	T100 PULL BOX	POLE A	•																
2-No. 10 COND.	T100 PULL BOX	POLE B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2-No. 10 COND.	T100 PULL BOX	POLE C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2-No. 10 COND.	T100 PULL BOX	POLE D	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
LOOP LEAD-IN CABLE (#8, OLB)	CONTROLLER	DET PULLBOX	1																
LOOP LEAD-IN CABLE (#8, OLB)	CONTROLLER	DET PULLBOX	1	1	*														
LOOP LEAD-IN CABLE (#8, OLB)	CONTROLLER	DET PULLBOX	1																
LOOP LEAD-IN CABLE (#8)	CONTROLLER	DET PULLBOX	1																
2-No. 14 COND.	POLE A	POLE E	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1-15 COND. No. 14	POLE C	POLE F	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1-No. 8 (GREEN)	T100 PULL BOX TO POLES		-	3	1	1	1	3	1	1	3	1	1	3	1	1	1	1	4
PULL ROPE	(NUMBER AS SHOWN)		-	3	1	1	1	3	1	1	3	1	1	3	1	1	1	1	4

No. of CONDUITS - CONDUIT SIZE:

* - INSTALL LOOP WIRES IN CONDUIT TO PULL BOX TO PROTECT WIRES DURING CONSTRUCTION.

** - INSTALL BRT CCTV CONTROL/POWER CABLE FROM CAMERA TO BRT STATION COMMUNICATION CABINET. SEE SHEETS SL-9 TO SL-12 AND BRT STATION DESIGN PLANS FOR BRT STATION PLATFORM COMMUNICATION CONDUIT ROUTING.

DEPARTMENT OF PUBLIC WORKS

CASINO CENTER
BUS RAPID TRANSITTRAFFIC SIGNAL
COOLIDGE AVE and
CASINO CENTER BLVD

REV-1