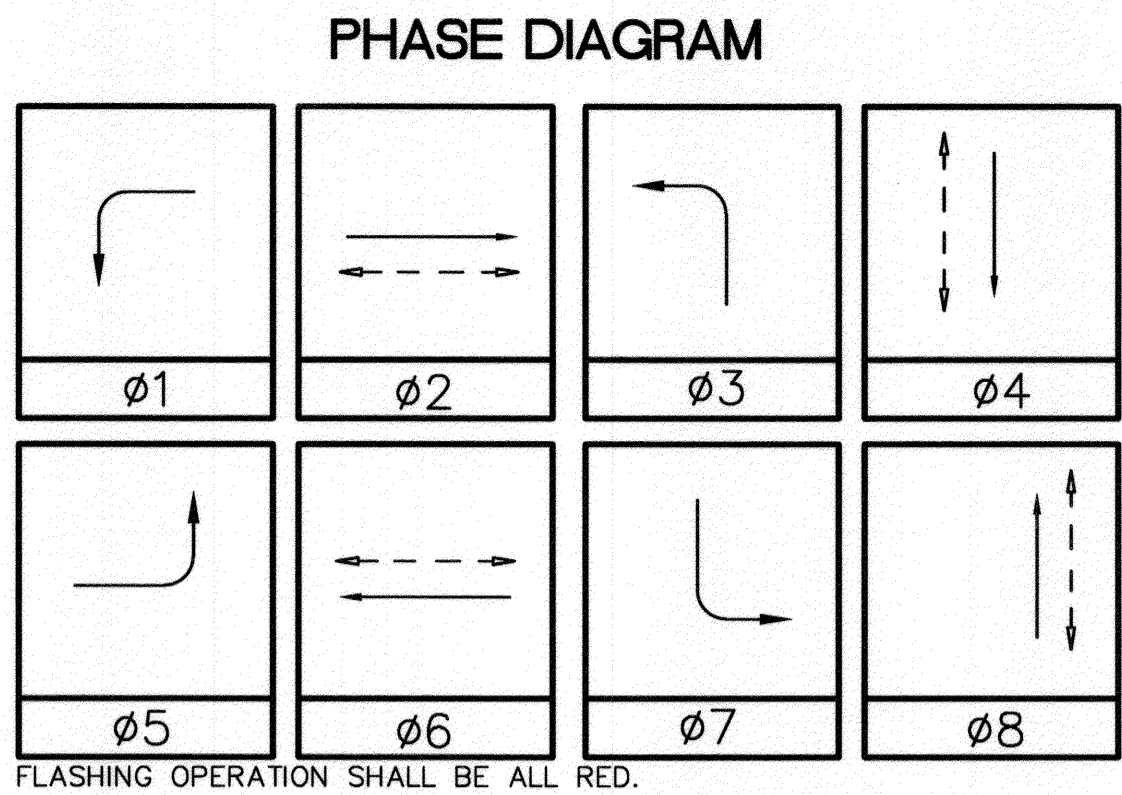
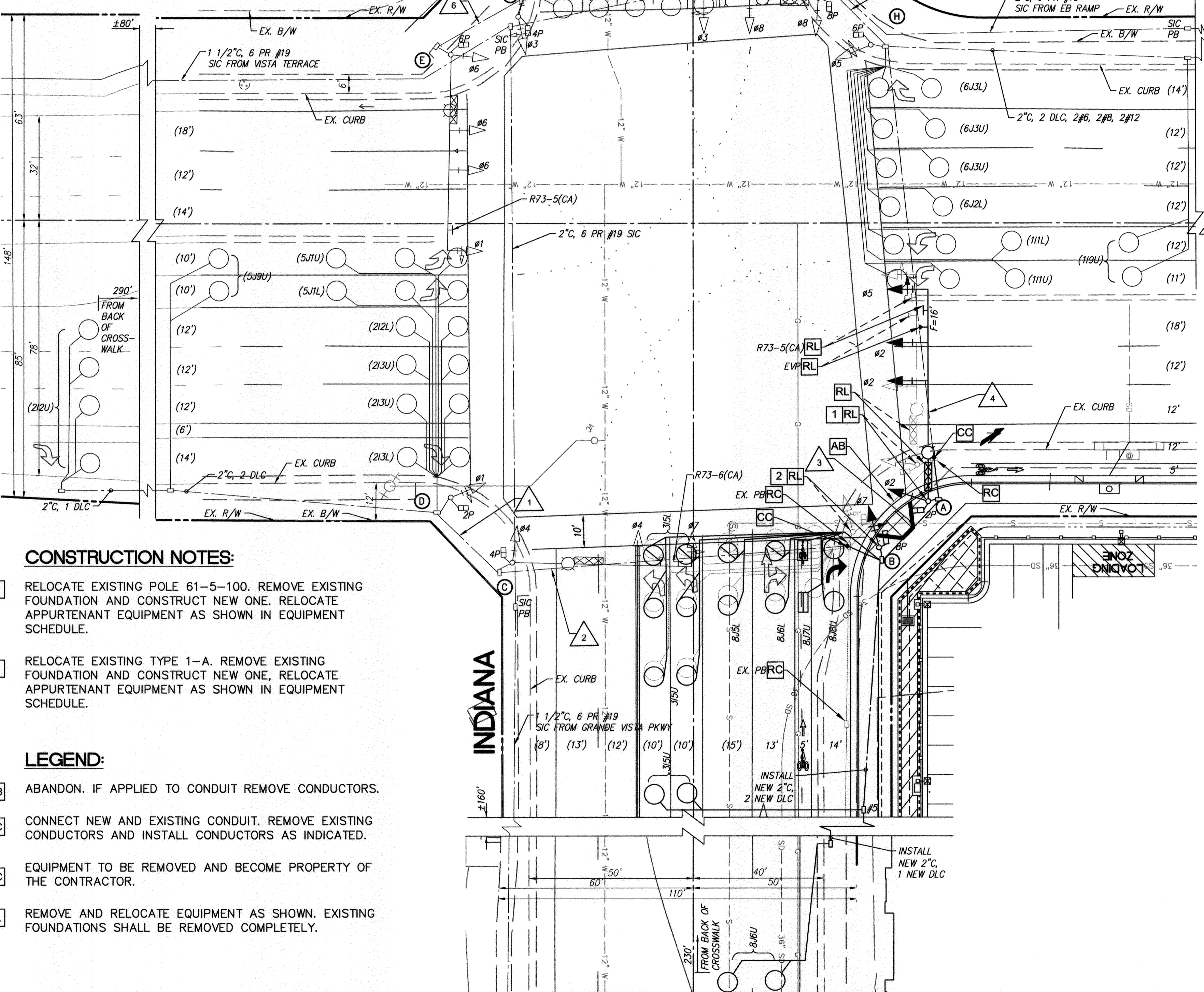


TRAFFIC SIGNAL GENERAL NOTES:

- ALL ITEMS FURNISHED AND ALL WORK TO BE DONE SHALL CONFORM TO THE REQUIREMENTS OF: THE STATE OF CALIFORNIA OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND SPECIFICATIONS, DATED 2010; THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ADOPTED 2014; AND THE SPECIAL PROVISIONS.
- UTILITIES SHOWN ON THE PLAN ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF ALL KNOWN SUBSTRUCTURES PRIORS TO DOING WORK THAT MAY DAMAGE OR INTERFERE WITH SUCH FACILITIES ("UNDERGROUND SERVICE ALERT" (800) 227-2600).
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO NOTIFY ALL AFFECTED AGENCIES AND THE RIVERSIDE UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
- UNLESS SHOWN OTHERWISE, INDUCTIVE LOOPS SHALL BE MODIFIED TYPE "D" & TYPE "E" WITH 10', 15' AND 30' SPACING IN THE DIRECTION OF TRAVEL. NECESSARY STRIPPING SHALL BE LOCATED PRIOR TO POSITIONING LOOPS. LOOPS SHALL BE SEALED WITH HOT MELT SEALANT. SEE DETAIL.
- CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDELINE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
- CONDUIT BETWEEN ADJOINING PULL BOXES SHALL BE 2" UNLESS SHOWN OTHERWISE. ALL CONDUIT AND FITTINGS SHALL BE RIGID METAL, UNLESS SHOWN OTHERWISE (BURIED IN MINIMUM OF 30" OF COVER IN THE STREET AND PARKWAY).
- TRAFFIC SIGNAL INTERCONNECT (SIC) SHALL BE 2" UNLESS SHOWN OTHERWISE, BURIED IN A MINIMUM OF 30" OF COVER IN THE STREET AND PARKWAY. NO. 6 PULL BOXES WITH LIDS LABELED "COMMUNICATIONS", SHALL BE SPACED AT 400' AND THE MAXIMUM SIC BENDING RADIUS SHALL NOT EXCEED 45 DEGREE. SIC CONDUIT SHALL ONLY INCLUDE SIGNAL INTERCONNECT CONDUCTORS.
- UNDERGROUND SIGNAL CONDUCTORS SHALL NOT BE SPLICED.
- PULL BOXES SHALL BE No. 6 WITH FIBERLITE LIDS LABELED "TRAFFIC SIGNAL" UNLESS OTHERWISE NOTED ON THE PLAN.
- PULL BOXES SHALL NOT BE LOCATED IN OR WITHIN 1' OF ANY CURB ACCESS RAMP OR DRIVEWAY.
- THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE PRECISE FIELD LOCATIONS OF ALL TRAFFIC SIGNAL EQUIPMENT PRIOR TO THE INSTALLATION.
- ALL LANDSCAPING WHICH IS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY AND THE PROPERTY OWNER.
- NEW MAST ARM MOUNTED SIGN SHALL BE FABRICATED WITH 3M DIAMOND GRADE DG3 REFLECTIVE SHEETING (ASTM TYPE XI) OR APPROVED EQUAL. SIGNS SHALL BE STANDARD SIZE AND HAVE A MINIMUM SIDE DIMENSION OF 30".
- VEHICLE HEADS SHALL BE 12" LED TYPE. THE HOUSING, BACKPLATES AND VISORS SHALL BE METAL.
- INTERNALLY ILLUMINATED STREET NAME SIGNS (IISNS) SHALL BE TYPE A STREET NAME LEGENDS SHALL BE UPPER/LOWER CASE AND SHALL INCLUDE BLOCK NUMBERS AND ROAD NAME SUFFIXES.
- SALVAGED TRAFFIC SIGNAL EQUIPMENT SHALL BE DELIVERED TO THE CITY OF RIVERSIDE TRAFFIC SIGNAL MAINTENANCE YARD.
- DAMAGED SIDEWALK CONCRETE SHALL BE REPLACED PER CITY OF RIVERSIDE STANDARD.
- THE CONTRACTOR SHALL REMOVE ALL UNUSED PULL BOXES AND RE-PAVE SURROUNDING AREA TO MATCH EXISTING OR PROPOSED GRADE. ALL UNUSED CONDUIT SHALL BE ABANDONED AND CAPPED ONCE UNUSED CONDUCTORS ARE REMOVED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH AND INSTALL ANY ADDITIONAL LOAD SWITCHES AND/OR DETECTOR CARDS, IF NECESSARY, FOR THE PROPOSED OPERATION.
- ALL CONTRACTORS WORKING ON OR AROUND THE CITY OF RIVERSIDE'S UNDERGROUND ELECTRICAL FACILITIES MUST HAVE THE PROPERLY QUALIFIED PERSONNEL AND EQUIPMENT TO PERFORM THE SPECIFIED WORK. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE TO ESTABLISH AND MAINTAIN A SAFE WORKING ENVIRONMENT INCLUDING, BUT NOT LIMITED TO WORK AROUND ENERGIZED HIGH VOLTAGE FACILITIES, GAS TESTING OF CONFINED SPACES, TRAFFIC AND PROTECTION.



LA SIERRA



CONSTRUCTION NOTES:

- RELOCATE EXISTING POLE 61-5-100. REMOVE EXISTING FOUNDATION AND CONSTRUCT NEW ONE. RELOCATE APPURTENANT EQUIPMENT AS SHOWN IN EQUIPMENT SCHEDULE.
 - RELOCATE EXISTING TYPE 1-A. REMOVE EXISTING FOUNDATION AND CONSTRUCT NEW ONE, RELOCATE APPURTENANT EQUIPMENT AS SHOWN IN EQUIPMENT SCHEDULE.
- LEGEND:**
- AB ABANDON. IF APPLIED TO CONDUIT REMOVE CONDUCTORS.
 - CC CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED.
 - RC EQUIPMENT TO BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR.
 - RL REMOVE AND RELOCATE EQUIPMENT AS SHOWN. EXISTING FOUNDATIONS SHALL BE REMOVED COMPLETELY.

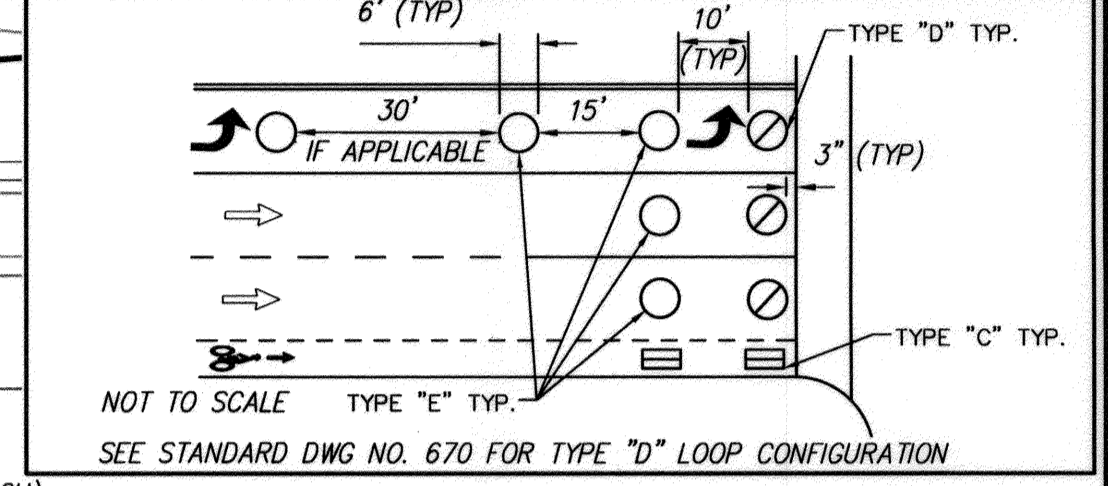
EQUIPMENT SCHEDULE

No.	SIGNAL STANDARD		LUMINAIRE	L.A. LED	I.I.S.N.S. LEGEND	SIGNAL MOUNTING			APS*		
	TYPE	HEIGHT				M.A.	POLE	PED.		AUDIBLE	PHASE
(A)	61-5-100 (R)	30'	65'(N)	15'(R)	250W(R)	Indiana (R)	2-MAS (R)	SV-1-T(R)	SP-1-T(R)	-	8(N)
(B)	1A (R)	10'	-	-	-	-	-	TV-2-T(N)	SP-1-T(R)	((P))	2(N)
(C)	19-4-80	30'	25'	15'	250W	La Sierra	2-MAS	SV-1-T	SP-1-T	((P))	2(N)
(D)	1A	10'	-	-	-	-	-	TV-1-T	SP-1-T	-	4(N)
(E)	61-5-80	30'	60'	15'	250W	Indiana	-	SV-1-T	SP-1-T	((C))	4(N)
(F)	1A	10'	-	-	-	-	-	TV-2-T	SP-1-T	((P))	6(N)
(G)	24-4-80	30'	35'	15'	250W	La Sierra	2-MAS	SV-1-T(N)	SP-1-T	-	6(N)
(H)	1A	10'	-	-	-	-	-	TV-1-T	SP-1-T	((C))	8(N)

SIGNAL EQUIPMENT IS EXISTING UNLESS SHOWN AS (N)=NEW OR (R)=RELOCATED.
 *POLARA 2-WIRE ACCESSIBLE PEDESTRIAN SIGNALS (APS) OR CITY APPROVED EQUAL.
 ((P)) = PEEP PEEP SOUND
 ((C)) = CUCKOO SOUND

AVENUE

TYPICAL LOOP DETECTOR LAYOUT



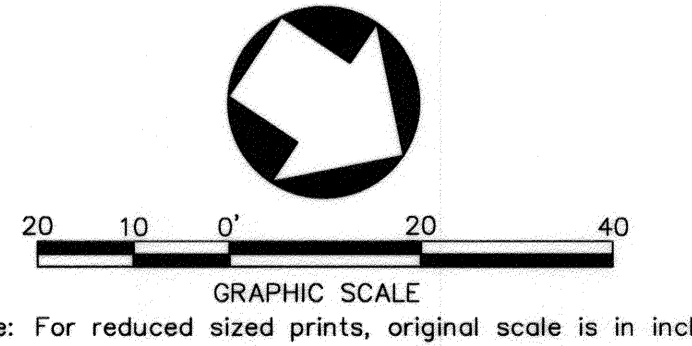
CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	RUN No.							
		1	2	3	4	5	6	7	8
VEHICLE & PEDESTRIAN HEADS, PED PUSH BUTTONS, SPARES & COMMONS	12 WIRE IMSA	1	2	3	4	5	1	2	8
	3 WIRE IMSA	1	2	3	4	5	1	2	8

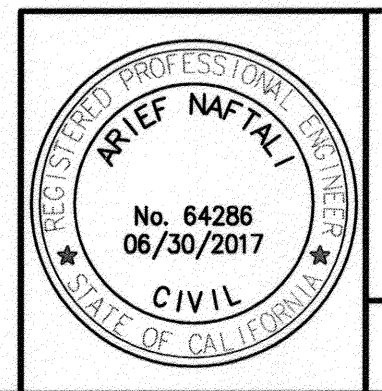
DETECTOR CABLE	#16/2	1	2	3	4	5	6	7	8
PHASE 1		-	-	-	-	3	-	-	3
PHASE 2		4	4	4	4	4	-	-	4
PHASE 3		-	-	3(N)	3(N)	3(N)	-	-	3(N)
PHASE 4		-	-	-	-	-	-	2	2
PHASE 5		3	3	3	3	3	-	-	3
PHASE 6		-	-	-	-	4	-	-	4
PHASE 7		-	-	-	-	-	-	3	3
PHASE 8		-	-	5(N)	5(N)	5(N)	-	-	5(N)

I.I.S.N.S.	#12	1	2	2	2	2	2	2	-
LUMINAIRES	#8	-	2	2	2	2	2	2	-
SIGNAL SERVICE	#6	-	-	-	-	2	-	-	2
VEHICLE PRE-EMPTION	#20	-	1	1	2	2	1	1	4
INTERCONNECT	6 PR #19	-	-	-	-	-	-	-	1

CONDUCTOR SIZE: 3", 3", 3"(N), 3", 2-2.5", 3", 3", 2-3"
 (N) = NEW CONDUIT
 THE CONTRACTOR MAY REUSE EXISTING CONDUCTORS AND CABLES WHERE EXISTING SLACK ALLOWS. OTHERWISE NEW CONDUCTORS/CABLES SHALL BE INSTALLED TO REMOVE/REPLACE EXISTING CONDUCTORS/CABLES IN ALL CONDUITS.



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 CITY OF RIVERSIDE
 FOUND P.K. NAIL AND CITY ENGINEER TAG T2-03 IN THE MOST SOUTHERLY CURB RETURN AT PIERCE STREET AND GOLDEN AVENUE.



CITY BUSINESS CERTIFICATE NO. 0021337, EXP. 10/31/2015
PSOMAS
 1500 IOWA AVENUE, SUITE 210
 RIVERSIDE, CA 92507
 (951) 787-8421 WWW.PSOMAS.COM
 PREPARED BY: [Signature] R.C.E. NO. 64286 DATE: 09/13/16

MARK DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]
 REVISIONS: [Table]
 APPR. DATE: [Signature]

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature] BY DATE: [Date]
 ENGINEERING MANAGER: [Signature]
 TRAFFIC ENGINEER: [Signature]
 CONSTRUCTION MANAGER: [Signature]
 CITY ENGINEER/PW DIRECTOR: [Signature]
 DATE: 9/20/16

CITY OF RIVERSIDE TRAFFIC SIGNAL PLAN
 LA SIERRA AVENUE AT INDIANA AVENUE
 HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED

X-493B
 SHEET 1 of 1
 J.N. 4MCK101200