CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTORS	CONDUCTOR RUNS 1	2	3	4	5	6	7	8
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 CONDUCTOR IMSA	1	2	3	8	4	3	2	1
	9 CONDUCTOR IMSA	–	–	–	–	–	–	–	–
	5 CONDUCTOR IMSA	–	–	–	–	–	–	–	–
	3 CONDUCTOR IMSA	1	2	3	8	4	3	2	1
DETECTOR CABLE	#16/2								
PHASE 1		–	–	–	1	1	1	1	1
PHASE 2		–	–	–	2	–	–	–	–
PHASE 3		–	–	–	–	–	–	–	–
PHASE 4		–	–	–	–	–	–	–	–
PHASE 5		–	–	–	–	–	–	–	–
PHASE 6		–	–	–	2	2	2	2	2
PHASE 7		–	–	–	1	1	1	–	–
PHASE 8		–	2	2	2	–	–	–	–
TOTALS		–	2	2	8	4	4	3	3
EVPE CABLE	#20/4	1	1	1	4	3	2	2	–
IISNS	#12	2	2	2	–	2	2	2	–
LUMINAIRES	#8	2	2	2	–	2	2	2	–
SIGNAL SERVICE	#6	2	2	2	2	–	–	–	–
INTERCONNECT	SIC	1	1	1	2	1	–	–	–
CONDUIT SIZE		3"	3"	4	2–4"	4"	4"	3"	3"

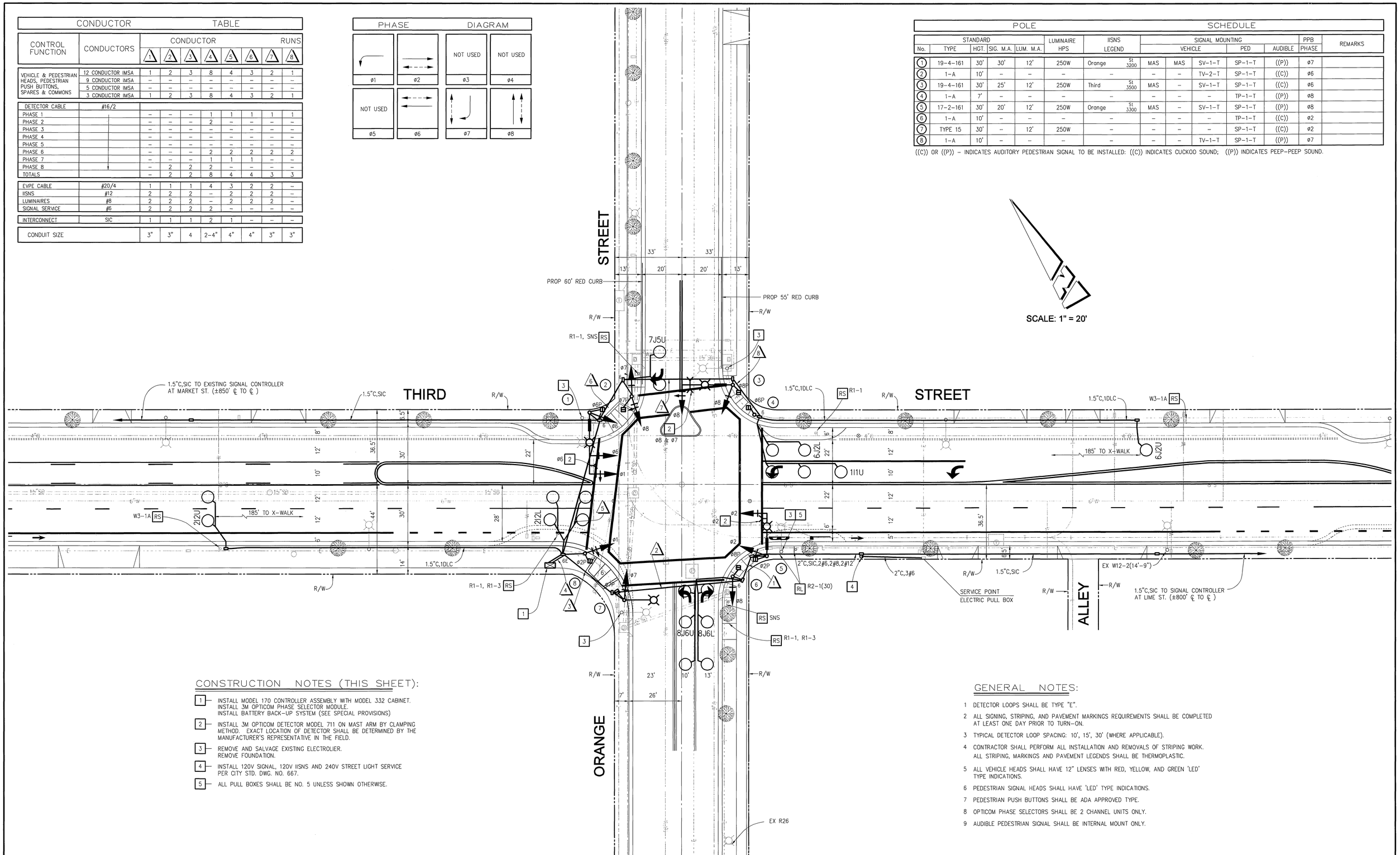
PHASE DIAGRAM

ø1	ø2	NOT USED ø3	NOT USED ø4
NOT USED ø5	ø6	ø7	ø8

POLE SCHEDULE

No.	STANDARD TYPE	HGT.	SIG. M.A.	LUM. M.A.	LUMINAIRE HPS	IISNS LEGEND	SIGNAL MOUNTING VEHICLE	PED	AUDIBLE	PPB PHASE	REMARKS
1	19–4–161	30'	30'	12'	250W	Orange St 3200	MAS	MAS	SV–1–T	SP–1–T	((P))	ø7	
2	1–A	10'	–	–	–	–	–	–	TV–2–T	SP–1–T	((C))	ø6	
3	19–4–161	30'	25'	12'	250W	Third St 3500	MAS	–	SV–1–T	SP–1–T	((C))	ø6	
4	1–A	7'	–	–	–	–	–	–	–	TP–1–T	((P))	ø8	
5	17–2–161	30'	20'	12'	250W	Orange St 3300	MAS	–	SV–1–T	SP–1–T	((P))	ø8	
6	1–A	10'	–	–	–	–	–	–	–	TP–1–T	((C))	ø2	
7	TYPE 15	30'	–	12'	250W	–	–	–	–	SP–1–T	((C))	ø2	
8	1–A	10'	–	–	–	–	–	–	TV–1–T	SP–1–T	((P))	ø7	

((C)) OR ((P)) – INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED: ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP–PEEP SOUND.



CONSTRUCTION NOTES (THIS SHEET):

1 — INSTALL MODEL 170 CONTROLLER ASSEMBLY WITH MODEL 332 CABINET. INSTALL 3M OPTICOM PHASE SELECTOR MODULE. INSTALL BATTERY BACK–UP SYSTEM (SEE SPECIAL PROVISIONS)

2 — INSTALL 3M OPTICOM DETECTOR MODEL 711 ON MAST ARM BY CLAMPING METHOD. EXACT LOCATION OF DETECTOR SHALL BE DETERMINED BY THE MANUFACTURER'S REPRESENTATIVE IN THE FIELD.

3 — REMOVE AND SALVAGE EXISTING ELECTROLIER. REMOVE FOUNDATION.

4 — INSTALL 120V SIGNAL, 120V IISNS AND 240V STREET LIGHT SERVICE PER CITY STD. DWG. NO. 667.

5 — ALL PULL BOXES SHALL BE NO. 5 UNLESS SHOWN OTHERWISE.

GENERAL NOTES:

1 DETECTOR LOOPS SHALL BE TYPE "E".

2 ALL SIGNING, STRIPING, AND PAVEMENT MARKINGS REQUIREMENTS SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO TURN–ON.

3 TYPICAL DETECTOR LOOP SPACING: 10', 15', 30' (WHERE APPLICABLE).

4 CONTRACTOR SHALL PERFORM ALL INSTALLATION AND REMOVALS OF STRIPING WORK. ALL STRIPING, MARKINGS AND PAVEMENT LEGENDS SHALL BE THERMOPLASTIC.

5 ALL VEHICLE HEADS SHALL HAVE 12" LENSES WITH RED, YELLOW, AND GREEN 'LED' TYPE INDICATIONS.

6 PEDESTRIAN SIGNAL HEADS SHALL HAVE 'LED' TYPE INDICATIONS.

7 PEDESTRIAN PUSH BUTTONS SHALL BE ADA APPROVED TYPE.

8 OPTICOM PHASE SELECTORS SHALL BE 2 CHANNEL UNITS ONLY.

9 AUDIBLE PEDESTRIAN SIGNAL SHALL BE INTERNAL MOUNT ONLY.

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GILBERT M. HERNANDEZ
R.C.E. No. 69170 expires 6-30-08
DATE 9-5-06

REGISTERED PROFESSIONAL ENGINEER GILBERT M. HERNANDEZ No. 69170 Exp. 06-30-08 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY ____ DRAWN BY ____ CHECKED BY ____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER		
TRAFFIC DIVISION	9/5/06	

APPROVED BY
CITY ENGINEER
DATE 8/11/06

TRAFFIC SIGNAL REVISION
THIRD STREET AND ORANGE STREET
HORIZ. SCALE: 1"= 20' VERT. SCALE: N/A

ACCOUNT NO. X-146A
SHEET 1 OF 3