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	4	8	3	2	1
	9 CONDUCTOR IMSA	–	–	–	–	–	–	–	–
	5 CONDUCTOR IMSA	–	–	–	–	–	–	–	–
	3 CONDUCTOR IMSA	2	2	3	4	8	3	2	1
DETECTOR CABLE	#16/2								
PHASE 1		–	–	–	1	1	–	–	–
PHASE 2		–	–	–	–	2	2	2	2
PHASE 4		–	1	1	1	1	–	–	–
PHASE 5		–	–	–	–	1	1	1	1
PHASE 6		–	–	–	2	2	–	–	–
PHASE 8		–	–	–	–	2	2	–	–
TOTALS		–	1	1	4	9	5	3	3
EVPE CABLE	#20/4	–	1	2	2	4	1	1	–
IISNS	#12	–	2	2	2	–	2	2	–
LUMINAIRES	#8	–	2	2	2	–	2	2	–
SIGNAL SERVICE	#6	–	–	–	–	2	2	–	–
INTERCONNECT	SIC	–	–	–	–	1	1	1	1
CONDUIT SIZE		2"	3"	3"	3.5"	2–3.5"	3.5"	3"	3"

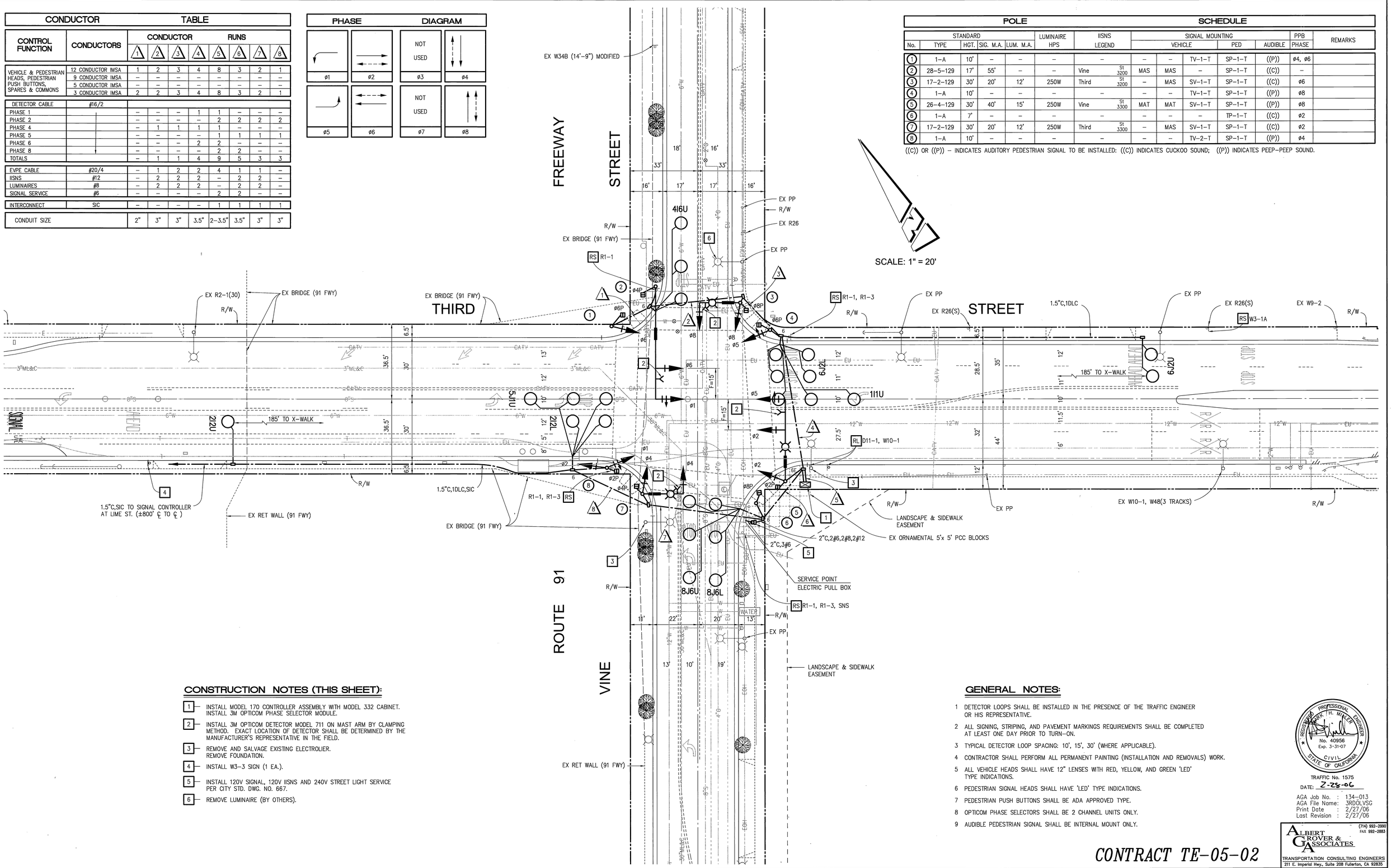
PHASE DIAGRAM

ø1	ø2	NOT USED ø3	ø4
ø5	ø6	NOT USED 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	1–A	10'	–	–	–	–	–	–	TV–1–T	SP–1–T	((P))	ø4, ø6	
2	28–5–129	17'	55'	–	–	Vine St 3200	MAS	MAS	–	SP–1–T	((C))	–	
3	17–2–129	30'	20'	12'	250W	Third St 3200	–	MAS	SV–1–T	SP–1–T	((C))	ø6	
4	1–A	10'	–	–	–	–	–	–	TV–1–T	SP–1–T	((P))	ø8	
5	26–4–129	30'	40'	15'	250W	Vine St 3300	MAT	MAT	SV–1–T	SP–1–T	((P))	ø8	
6	1–A	7'	–	–	–	–	–	–	–	TP–1–T	((C))	ø2	
7	17–2–129	30'	20'	12'	250W	Third St 3300	–	MAS	SV–1–T	SP–1–T	((C))	ø2	
8	1–A	10'	–	–	–	–	–	–	TV–2–T	SP–1–T	((P))	ø4	

((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.
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 W3–3 SIGN (1 EA.).
5. INSTALL 120V SIGNAL, 120V IISNS AND 240V STREET LIGHT SERVICE PER CITY STD. DWG. NO. 667.
6. REMOVE LUMINAIRE (BY OTHERS).

GENERAL NOTES:

1. DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
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 PERMANENT PAINTING (INSTALLATION AND REMOVALS) WORK.
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.

REGISTERED PROFESSIONAL ENGINEER MARK H. MILLER No. 40956 Exp. 3-31-07 CIVIL STATE OF CALIFORNIA

TRAFFIC No. 1575
DATE: 2-28-06

AGA Job No. : 134–013
AGA File Name: 3RDOLVSG
Print Date : 2/27/06
Last Revision : 2/27/06

ALBERT GROVER & ASSOCIATES (714) 992-2990 FAX 992-2883
TRANSPORTATION CONSULTING ENGINEERS
211 E. Imperial Hwy., Suite 208 Fullerton, CA 92835

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CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	3/7/06	MH
TRAFFIC DIVISION	3/6/06	
PUBLIC UTILITIES	3/7/06	

APPROVED BY
CITY ENGINEER
DATE 3/8/06

TRAFFIC SIGNAL PLAN

THIRD STREET AND VINE STREET

HORIZ. SCALE: 1"= 20' VERT. SCALE: N/A

ACCOUNT NO. 9590731

X–169

SHEET 3 OF 3