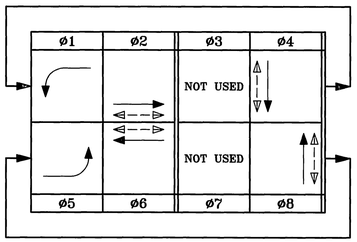
CONDUCTOR SCHEDULE

A.W.G. SIZE OR CABLE SIZE	PHASE NO.	POLE OR CIRCUIT	RUNS 1	2	3	4	5	6	7	8	9
12 CONDUCTORS 3 CONDUCTORS	2,5 2P –	POLE A						1 –	1 –		
	– – 2	POLE B						– 1	– 1		
	6P –	POLE C					1 1	1 1			
	4 4P 2	POLE D				1 1	1 1	1 1			
	1,3 2P 4	POLE E			1 1	1 1	1 1	1 1			
	1,8 6P 4	POLE F		1 1	1 1	1 1	1 1	1 1			
	– 4P 6	POLE G	1 1	1 1	1 1	1 1	1 1	1 1			
	8 – 6	POLE H						1 1	1 1	1 1	1 1
	5,8 6P –	POLE I						1 1	1 1	1 1	
TOTAL CABLES 12C/3C			1 1	2 2	3 3	4 4	5 5	8 8	3 3	2 2	1 1
#12	I.I.S.N.S.		–	2	2	2	2	–	2	2	2
#8	LUMINAIRES		–	2	2	2	2	–	2	2	2
TYPE B D.L.C.	ø1 DETECTOR							2	2	2	
	ø2 DETECTOR				3	3	3	3			
	ø4 DETECTOR		2	2	2	2	2	2			
	ø5 DETECTOR				2	2	2	2			
	ø6 DETECTOR							4	4	4	
	ø8 DETECTOR						2	2			
	TOTAL DLC		2	2	7	7	9	15	6	6	–
EVP CABLE			–	–	–	–	–	2	2	2	2
CONDUIT SIZE (IN.)			(E) 2	(E) 2	(E) 3	(E) 3	(E) 3	(E) 2-3	(E) 3	(X) 3	(N) 3

NOTES: 1. (N)=NEW (E)=EXISTING (X)=EXTEND
2. ALL CONDUCTORS, DLC'S AND CABLES SHALL BE NEW.

PHASE DIAGRAM



POLE AND EQUIPMENT SCHEDULE

POLE NO.	SIGNAL STANDARD DESCRIPTION	POLE HEIGHT	SIGNAL MAST ARM	LUMINAIRE MAST ARM	PLACEMENT DIMENSIONS "A"	"B"	SIGNAL MOUNTING POLE VEHICLE	MAST ARM VEHICLE	POLE PEDESTRIAN	PED PUSH BUTTONS ø	ARROW	QUAD.	HPSV LUMINAIRE	I.I.S.N.S. LEGEND
A	26-4-80	30'	40'	15'	3'	-8'	SV-1-T	2-MAS	SP-1-T	–		–	200 W	Dauchy
B	★ P.P.B.	3'10"	–	–	3'	8'	–	–	–	8	←	W	–	–
C	★ 1-A	7'	–	–	3'	8'	–	–	TP-1-T	2	→	N	–	–
D	17-3-80	30'	20'	15'	15'	9'	SV-1-T	1-MAS	SP-1-T	2	←	N	200 W	Van Buren
E	1-A	10'	–	–	3'	8'	TV-2-T	–	SP-1-T	4	→	E	–	–
F	26-4-80	30'	45'	15'	3'	13'	SV-1-T	2-MAS	SP-1-T	4	←	E	200 W	Dauchy
G	1-A	7'	–	–	3'	8'	–	–	TP-1-T	6	→	S	–	–
H	● 17-3-80	30'	● 20'	● 15'	3'	16'	● SV-1-T	1-MAS	–	6	←	S	200 W	Van Buren
I	● 1-A	10'	–	–	3'	16'	★ TV-2-T	–	● SP-1-T	8	→	W	–	–

★ = NEW EQUIPMENT
● = RELOCATED EQUIPMENT

GENERAL NOTES

1. All work and material shall conform to the State of California Standard Plans and Standard Specifications dated May 2006 and the Special Provisions for this project.
2. Detector loops shall be installed in the presence of the Traffic Engineer or his representative.
3. The Traffic Engineer shall approve pole and conduit locations prior to installation by Contractor.
4. Pull boxes shall be No. 5 unless otherwise noted or approved by the Traffic Engineer.
5. This plan accurate for traffic signal work only. For striping see Plan XL-550. For street improvements see Plan R- .
6. Call (951) 351-6096 at least 48 hours in advance for inspection.
7. Call UNDERGROUND SERVICE ALERT (USA) 1-800-227-2600 at least 2 working days prior to excavation.
8. The private engineer signing the plan is responsible for assuring the accuracy and acceptability of the work hereon. In the event of discrepancies arising during construction, the private engineer shall be responsible for determining an acceptable solution and revising the plan for approval by the City.

CONSTRUCTION NOTES

1 — Existing TYPE 170 controller in a MODEL 332 aluminum cabinet.
Furnish and install a CLARY CORPORATION SP SERIES 1250PD/RN plus uninterrupted power supply (UPS) or approved power supply (UPS) battery shall be installed in a CLARY cabinet externally mounted on the 332 cabinet.

2 — Existing 120v/240v dual meter TYPE III-CF service equipment enclosure.

3 — Existing 1.5" conduit and pull box for future interconnect.

4 — Existing R34 sign on mast arm.

5 — Remove and relocate existing POLE (H) and equipment. Remove existing foundation and anchor bolts. Back fill hole with compacted Class II Aggregate Base. Install new foundation as shown on the plan. Relocate pole (H) and equipment on new foundation.

6 — Remove and relocate existing POLE (I) and equipment. Remove existing foundation and anchor bolts. Back fill hole with compacted Class II Aggregate Base. Install new foundation as shown on the plan. Relocate pole (I) and equipment on new foundation.

7 — Existing EVP detector on signal mast arm.

8 — Existing spread spectrum radio (SIC).

9 — Abandon existing ø1, ø4, ø5, ø6 and ø2 front loop detectors. Install new ø1, ø4, ø5, ø6 and ø2 front loop detectors as shown on the plan.

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 INCH = 20 FEET

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-227-2600 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

REGISTERED PROFESSIONAL ENGINEER — LAWRENCE S. EISENHART — NO. 13493 — Exp. 3-31-09 — CIVIL — STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE: Lawrence S. Eisenhart
LAWRENCE S. EISENHART RCE NO. 13493
EXPIRATION DATE: 3-31-09

LAWRENCE S. EISENHART
CONSULTING ENGINEER
2070 Locust Court
San Bernardino, California 92404
Tel: (909) 864-5406 Fax: (909) 864-5047

SCALE: 1"=20'
DATE: 05/07/07

MARK	REVISIONS	APPR.	DATE
1	REMOVE EASTERLY CROSSWALK LEG & PEDESTRIAN INDICATIONS AND PEDESTRIAN PUSH BUTTONS ASSOCIATED WITH IT.	L.H.	8/12/08

DESIGNED BY: L.S.E. DRAWN BY: L.S.E. CHECKED BY:

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

	BY	DATE
APPROVED BY:		
PRINCIPLE ENGR.	RH	5-8-07
TRAFFIC DIVISION	L.H.	5-15-07
ENGR. MANAGER	RH	6-4-07
SIG. MAINTENANCE	J.O.	5/24/07

APPROVED BY: CITY ENGINEER
DATE 6/5/07

TRAFFIC SIGNAL MODIFICATION PLAN
VAN BUREN BOULEVARD & DAUCHY AVENUE
SCALE: 1"=20'

PROJECT NO: X-517
SHEET 1 OF 1
FILE NAME: 517.DWG

RVZ

File: 07-05.dwg