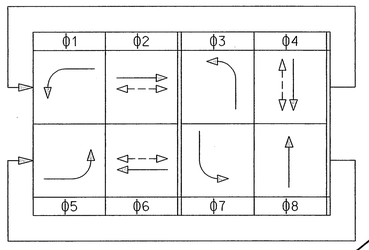
CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTOR	CONDUCTOR RUN 1	2	3	4	5	6	7	8	10
VEHICLE & PEDESTRIAN	12 WIRE IMSA	1	2	3	4	3	2	–	8	–
HEADS, PEDESTRIAN	9 WIRE IMSA	–	–	–	–	–	–	–	–	–
PUSH BUTTONS, SPARE	5 WIRE IMSA	–	–	–	–	1	1	–	1	–
& COMMONS	3 WIRE IMSA	1	2	3	4	3	2	1	8	–
DETECTOR CABLE	#16/2									
PHASE 1		–	–	–	–	3	3	3	3	–
PHASE 2		–	–	–	1	–	–	–	3	–
PHASE 3		–	4	4	4	–	–	–	4	–
PHASE 4		–	–	–	–	3	–	–	3	–
PHASE 5		–	–	–	–	–	–	–	3	–
PHASE 6		–	–	–	–	3	3	3	3	–
PHASE 7		–	–	–	–	3	–	–	3	–
PHASE 8		–	3	3	3	–	–	–	3	–
TOTAL DLC		–	7	7	8	12	6	6	25	–
INTERCONNECT	6 PR. #19	–	–	–	–	1	1	1	2	1
I.I.S.N.S.	#12	2	2	2	2	2	2	–	–	–
LUMINAIRES	#8	2	2	2	2	2	2	2	–	–
SIGNAL SERVICE	#6	–	–	–	–	–	–	–	2	–
CONDUIT SIZE		(N) 2"	(E) 3"	(E) 3"	(E) 3"	(E) 3"	(E) 3"	(E) 3"	(E) 2-3"	E/N 1.5"

(E) = EXISTING (N) = NEW
REMOVE AND DISCARD ALL CABLES, CONDUCTORS AND DLC'S FROM EXISTING CONDUIT RUNS 1,2,3&4. INSTALL ALL NEW CABLES PER THE CONDUCTOR SCHEDULE.

PHASE DIAGRAM



POLE AND EQUIPMENT SCHEDULE

POLE NO.	SIGNAL STANDARD DESCRIPTION	POLE HEIGHT	SIGNAL MAST ARM	LUMINAIRE MAST ARM	HPSV LUMINAIRE	I.I.S.N.S. LEGEND	SIGNAL MOUNTING MAST ARM VEHICLE	POLE VEHICLE	POLE PEDESTRIAN	PED PUSH BUTTONS ϕ	ARROW	REMARKS
A	15	30′	–	12′	250W	–	–	SV-2-TB	SP-1-T	–	–	EXISTING POLE TO REMAIN
B	29-5-80	30′	55′	15′	250W	Alessandro BI	**2-MAS**	SV-1-T	–	6	←	EXISTING POLE TO REMAIN
C	15	30′	–	12′	250W	–	–	SV-2-TB	SP-1-T	6	←	EXISTING POLE TO REMAIN
D	PPB POST	3′-10″	–	–	–	–	–	–	–	4	←	EXISTING POLE TO REMAIN
E	61-5-80	30′	65′	15′	250W	Sycamore Canyon BI	3-MAS	SV-1-T	SP-1-T	–	–	EXISTING POLE TO REMAIN
F	15	30′	–	12′	250W	–	–	SV-2-TB	SP-1-T	4	←	RELOCATE EXISTING POLE
G	61-5-80	30′	60′	15′	250W	Alessandro BI	2-MAS	SV-1-T	SP-1-T	–	–	EXISTING POLE TO REMAIN
H	PPB POST	3′-10″	–	–	–	–	–	–	–	–	–	RELOCATE EXISTING POLE
I	15	30′	–	12′	250W	–	–	SV-2-TB	–	2	→	RELOCATE EXISTING POLE
J	61-5-80	30′	65′	15′	250W	Meridian Pkwy	3-MAS	SV-1-T	SP-1-T	–	–	EXISTING POLE TO REMAIN

CONSTRUCTION NOTES

1 — Existing TYPE SCE 120v/240v service point.

2 — Existing 120v I.I.S.N.S., 120v signal, and 240v street lighting service. City of Riverside Standard Drawing No. 667.

3 — Existing TYPE 170 controller in a TYPE 332 aluminum cabinet.

4 — Install interconnect conduit and wire per the County of Riverside standards to the south to match the existing empty interconnect conduit for the Meridian Parkway/Cactus Avenue signal. Place pullboxes every 250′.

GENERAL NOTES

1. All work and material shall conform to the State of California Standard Plans and Standard Specifications dated July 1999 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 appoved by the Traffic Engineer.
5. This plan accurate for traffic signal work only.
6. Call (909) 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.

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

NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION. THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE | BY | MARK — ENGINEER

REVISIONS

APPR | DATE — COUNTY

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY:	BY	DATE
PRINCIPLE ENGR.	DH	11/28/05
TRAFFIC DIVISION		11/23/05

APPROVED BY
CITY ENGINEER
DATE 11/28/05

REGISTERED PROFESSIONAL ENGINEER — JON M. COLLINS No. 62090 Exp. 9/30/05 CIVIL — STATE OF CALIFORNIA

Kimley-Horn and Associates, Inc.
Engineering, Planning and Environmental Consultants
517 Fourth Avenue - Suite 301- San Diego, Ca. - 92101
Tel: (619) 234-9411 Fax: (619) 234-9433

PREPARED BY: Jon M. Collins R.C.E. NO. 62090
DATE: 11/21/05

SCALE: HORIZ: 1"= 20′

CITY OF RIVERSIDE
UNIT 2 TRAFFIC SIGNAL PLANS
MERIDIAN
TRAFFIC SIGNAL MODIFICATION PLAN: ALESSANDRO BLVD/ SYCAMORE CANYON BLVD/ MERIDIAN PKWY

SHEET NO. X-236B
OF ____ SHTS

FOR: | W.O.: | COUNTY FILE NO.:

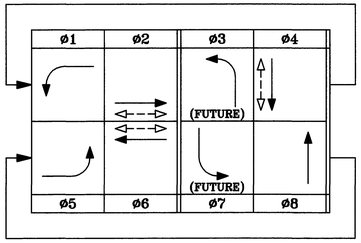
PLOTTED : 11/21/2005 K:\Meridian\095300009\design\Plans-TRAFFIC\tmp300009-ta0.dgn

CONDUCTOR TABLE

CONTROL FUNCTION	CONDUCTOR	CONDUCTOR RUN 1	2	3	4	5	6	7	8	1C
VEHICLE & PEDESTRIAN	12 WIRE IMSA	1	2	3	4	3	2	–	6	–
HEADS, PEDESTRIAN	9 WIRE IMSA	–	–	–	–	–	–	–	–	–
PUSH BUTTONS, SPARE	5 WIRE IMSA	–	–	–	1	1	1	–	2	–
& COMMONS	3 WIRE IMSA	1	2	3	4	3	2	1	6	–
DETECTOR CABLE	#16/2									
PHASE 1		–	–	–	–	3	3	3	3	–
PHASE 2		–	–	–	1	1	–	–	3	–
PHASE 3		–	3	3	3	–	–	–	3	–
PHASE 4		–	–	–	–	3	–	–	3	–
PHASE 5		–	–	–	–	–	–	–	3	–
PHASE 6		–	–	–	–	3	3	3	3	–
PHASE 7		–	–	–	–	3	–	–	3	–
PHASE 8		–	3	3	3	–	–	–	3	–
TOTAL DLC		–	6	6	7	13	6	6	24	–
INTERCONNECT	6 PR. #19	–	–	–	–	1	1	1	1	1
I.I.S.N.S.	#12	2	2	2	2	2	2	–	–	–
LUMINAIRES	#8	2	2	2	2	2	2	–	–	–
SIGNAL SERVICE	#6	–	–	–	–	–	–	–	2	–
CONDUIT SIZE		(E) 2"	(E) 3"	(E) 3"	(E) 3"	(E) 3"	(N) 3"	(N) 3"	(E) 2–3"	(N) 1.5"

(E) = EXISTING (N) = NEW
REMOVE AND DISCARD ALL CABLES, CONDUCTORS AND DLC'S FROM EXISTING CONDUIT RUNS 5, 6 &7. SALVAGE EXISTING INTERCONNECT CABLE. INSTALL ALL NEW CABLES, CONDUCTORS AND DLC'S IN EXISTING CONDUIT RUN 5 AND NEW CONDUIT RUNS 6 &7 PER THE CONDUCTOR SCHEDULE. RE–PULL SALVAGED INTERCONNECT CABLE,.

PHASE DIAGRAM



POLE AND EQUIPMENT SCHEDULE

POLE NO.	SIGNAL STANDARD DESCRIPTION	POLE HEIGHT	SIGNAL MAST ARM	LUMINAIRE MAST ARM	HPSV LUMINAIRE	I.I.S.N.S. LEGEND	SIGNAL MOUNTING MAST ARM VEHICLE	SIGNAL MOUNTING POLE VEHICLE	SIGNAL MOUNTING POLE PEDESTRIAN	PED PUSH BUTTONS Ø	PED PUSH BUTTONS ARROW	REMARKS
A	15	30'	–	12'	250W	–	–	SV–2–TB	SP–1–T	–	–	RELOCATE EXISTING POLE
B	29–5–80	30'	55'	15'	250W	Alessandro Bl	MAS	SV–1–T	–	6	←	NEW POLE & EQUIPMENT
C	15	30'	–	12'	250W	–	–	SV–2–TB	SP–1–T	6	→	EXISTING POLE TO REMAIN
D	PPB POST	3'–10"	–	–	–	–	–	–	–	4	←	EXISTING POLE TO REMAIN
E	61–5–80	30'	65'	15'	250W	Sycamore Canyon Bl	3–MAS	SV–1–T	SP–1–T	–	–	EXISTING POLE TO REMAIN
F	15	30'	–	12'	250W	–	–	SV–3–TB	SP–2–T	4	←	EXISTING POLE TO REMAIN
G	61–5–80	30'	60'	15'	250W	Alessandro Bl	3–MAS	–	–	–	–	EXISTING POLE TO REMAIN
H	PPB POST	3'–10"	–	–	–	–	–	–	–	2	←	EXISTING POLE TO REMAIN
I	15	30'	–	12'	250W	–	–	SV–2–TB	–	2	→	EXISTING POLE TO REMAIN
J	61–5–80	30'	65'	15'	250W	Brown St	3–MAS	SV–1–T	SP–1–T	–	–	EXISTING POLE TO REMAIN

CONSTRUCTION NOTES

1 — Existing TYPE SCE 120v/240v service point.

2 — Existing 120v I.I.S.N.S., 120v signal, and 240v street lighting service. City of Riverside Standard Drawing No. 667.

3 — Existing TYPE 170 controller in a TYPE 332 aluminum cabinet.

4 — Abandon existing all ø1 and ø6 front loop detectors as shown on the plan.

GENERAL NOTES

1. All work and material shall conform to the State of California Standard Plans and Standard Specifications dated July 1992 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 appoved by the Traffic Engineer.
5. This plan accurate for traffic signal work only.
6. Call (909) 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.
9. See City of Riverside Plan N. XL–493 for pavement delineation work. All pavement delineation work shall be performed by City of Riverside forces.

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. 3–31–07 — CIVIL — STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE: Lawrence S. Eisenhart
LAWRENCE S. EISENHART RCE NO. 13493
EXPIRATION DATE: 3–31–05 DATE: 2-14-05

SCALE: 1"=20'
DATE: 01/10/05

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

MARK	REVISIONS	APPR.	DATE

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

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY:	BY	DATE
PRINCIPLE ENGR.	PH	3/2/05
P.W. INSPECTION	—	—
TRAFFIC DIVISION	[illegible]	3/2/05
CHIEF P.W. ENGR.	—	—

APPROVED BY: [signature]
CITY ENGINEER
DATE 3/3/05

TRAFFIC SIGNAL MODIFICATION PLAN
ALESSANDRO BOULEVARD and SYCAMORE CANYON BOULEVARD
SCALE: 1"=20'

PROJECT NO: X–236A
SHEET 1 OF 1
FILE NAME: X236A.DWG

File No. 06–03

SYCAMORE CANYON BLVD.

CONDUCTOR TABLE											
CONTROL FUNCTION	I.M.S.A. SIZE	INSULATION	CONDUIT RUNS 1	2	3	4	5	6	7	8	1C
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12	P.E.	1	2	3	4	3	2	–	8	–
	9	|	–	–	–	–		–	–		–
	5	|	–	–	–	1	1	1	–	2	–
	3	↓	1	2	3	4	3	2	1	8	–
DETECTOR CABLE	#16/2	P.E.									
PHASE 1		|	–	–	–	–	3	3	3	3	–
PHASE 2		|	–	–	–	1	1	–	–	3	–
PHASE 3		|	–	3	3	3	–	–	–	3	–
PHASE 4		|	–	–	–	–	3	–	–	3	–
PHASE 5		|	–	–	–	–	–	–	–	3	–
PHASE 6		|	–	–	–	–	3	3	3	3	–
PHASE 7		|	–	–	–	–	3	–	–	3	–
PHASE 8		↓	–	3	3	3	–	–	–	3	–
TOTAL DLC			–	6	6	7	13	6	6	24	–
INTERCONNECT CABLE	#19	P.E.	–	–	–	–	1	1	–	1	1
I.S.N.S.	#12	T.W.	2	2	2	2	2	2	–	–	–
LUMINAIRES	#8	T.H.W.	2	2	2	2	2	2	–	–	–
SIGNAL SERVICE	#6	T.W.	–	–	–	–	–	–	–	2	–
CONDUIT SIZE			2"	3"	3"	3"	3"	3"	3"	2–3"	1 1/2"

✳ ALL OR PORTION OF CONDUIT IS EXISTING AS SHOWN.

POLE SCHEDULE													
No.	STANDARD TYPE	HEIGHT	SIG.M.A.	LUM.M.A.	LUMINAIRE HPSV	I.S.N.S. LEGEND	SIGNAL MOUNTING VEHICLE		PED	PED PUSH BTN PHASE	TYPE	REMARKS
A	SPECIAL	30'	65'	12'	250 W	Sycamore Canyon Bl	MAS LT	MAS 2EA	SV–1–T	SP–1–T	–	–	
B	15	30'	–	12'	250 W	–	–	–	SV–2–TB	SP–1–T	6	→	
C	SPECIAL	30'	65'	12'	–	–	–	–	–	–	–	–	FUT. POLE
D	15	30'	–	12'	250 W	–	–	–	SV–3–TB	–	–	–	TEMP. POLE LOCATION
E	SPECIAL	30'	65'	12'	250 W	Brown St	MAS LT	MAS 2EA	SV–1–T	SP–1–T	–	–	
F	15	30'	–	12'	250 W	–	–	–	SV–2–TB	–	2	→	TEMP. POLE LOCATION
G	SPECIAL	30'	60'	12'	250 W	Alessandro Bl	–	MAS 2EA	–	–	–	–	
H	15	30'	–	12'	250 W	–	–	–	SV–3–TB	SP–2–T	4	←	TEMP. POLE LOCATION
I	PPB POST	3'–10"	–	–	–	–	–	–	–	–	2	←	INTERIM POLE
J	17–2–80	30'	20'	12'	250 W	Alessandro Bl	–	MAS	SV–1–T	SP–1–T	6	→	INTERIM POLE
K	PPB POST	3'–10"	–	–	–	–	–	–	–	–	4	←	INTERIM POLE

1. SEE PLAN FOR TENON LOCATIONS (f=SPACING).
2. ALL SIGNAL INDICATIONS SHALL BE 12–INCH.
3. SEE SPECIFICATIONS FOR SPECIAL POLE REQUIREMENTS.
4. THE CONTRACTOR SHALL FURNISH 2 SPARE SPECIAL POLES (65' M.A. 5/80 MPH, 12' LUM. M.A.). ONE POLE FOR LOCATION (C) OTHER POLE = SPARE. POLES SHALL BE DELIVERED TO THE CITY YARD AS DIRECTED BY THE ENGINEER.

ALESSANDRO BLVD.

BROWN ST

NOTES

1. —— ALL PAVEMENT DELINEATION INSTALLATION AND REMOVALS INCLUDING SIGNING REQUIREMENTS SHALL BE COMPLETED BY THE CONTRACTOR AT LEAST ONE DAY PRIOR TO SIGNAL TURN ON.
2. —— INSTALL TYPE 170 CONTROLLER UNIT IN A TYPE 332 ALUMINUM CABINET. USE EXISTING FOUNDATION AND CONDUITS.
3. —— INSTALL 120 VOLT I.S.N.S., 120 VOLT SIGNAL AND 240 VOLT STREET LIGHTING SERVICES. CITY OF RIVERSIDE STD. DWG. NO. 667. USE EXISTING TYPE 1–A POLE FOUNDATION AND CIRCUITS.
4. —— INSTALL WHEELCHAIR RAMP PER CITY STD. DWG. 304 *AND A.D.A REQUIREMENTS. SOUTHEAST CORNER.–RAMP AND WALK AREA SHALL BE A.C.*
5. —— REFER TO STREET/STRIPING IMPROVEMENT PLAN R–3376 FOR STRIPING INSTALLATION AND REMOVALS AND STREET IMPROVEMENTS.

REGISTERED PROFESSIONAL ENGINEER — WESTON S. PRIBBLE, JR. — No. 16828 EXP. 6/30/97 — CIVIL — STATE OF CALIFORNIA

PHASE DIAGRAM			
1	2	3	4
		(FUTURE)	
5	6	7	8
		(FUTURE)	

FLASHING INDICATIONS: ALL RED

0 1/2 1 2 3
3 inches on original drawing
SCALE: 1"=20'

Underground Service Alert — DIG BEFORE YOU DIG — Call: TOLL FREE 1–800 422–4133 — TWO WORKING DAYS BEFORE YOU DIG

WPA TRAFFIC ENGINEERING, INC. — TRAFFIC AND TRANSPORTATION ENGINEERING
680 LANGSDORF DR. SUITE 222 FULLERTON, CA. 92631 (714) 871–2931
WESTON S. PRIBBLE JR. RCE 16828 — 9/27/94 DATE

9404402P2

CITY OF RIVERSIDE
OVERHEAD AND UNDERGROUND
by CHIEF UTILITIES ENGINEER ELECTRICAL — 9/29/94 DATE

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
COUNTY OF RIVERSIDE, CALIFORNIA — 10/11/94 DATE
RECOMMENDED — 10/11/94 DATE

MARK	REVISIONS	APPR.	DATE
DESIGNED BY SOMMERS	DRAWN BY RLM	CHECKED BY	

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	9/29/94	
INSPECTION	9/30/94	
TRAFFIC DIVISION	9/29/94	
CHIEF P. W. ENGINEER	10/11/94	
UTILITIES ENGINEER	9/29/94	

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 10/11/94

TRAFFIC SIGNAL INSTALLATION
ALESSANDRO BLVD. AND SYCAMORE CANYON BL./BROWN ST.
HORIZ. SCALE: 1" = 20' | MS 3631

ACCOUNT No. X–236
SHEET 1 OF 2
90–3000

SYCAMORE CANYON BLVD.

CONDUCTOR TABLE

CONTROL FUNCTION	I.M.S.A. SIZE	INSULATION	CONDUIT RUNS 1	2	3	4	5	6	7	8	1C
VEHICLE & PEDESTRIAN	12	P.E.	1	2	3	4	2	2	–	6	–
HEADS, PEDESTRIAN	9	|	–	–	–	–	1	–	–	1	–
PUSH BUTTONS, SPARES	5	|	–	–	–	1	–	–	–	1	–
& COMMONS	3	↓	1	2	3	4	3	2	1	8	–
DETECTOR CABLE	#16/2	P.E.									
PHASE 1	|	|	–	–	–	3	2	2	1	2	–
PHASE 2	|	|	–	–	–	–	–	–	–	3	–
PHASE 3	|	|	–	–	–	–	2	2	–	2	–
PHASE 4	|	|	–	–	–	–	3	–	–	3	–
PHASE 5	|	|	–	–	–	2	–	–	–	2	–
PHASE 6	|	|	–	–	–	–	3	3	1	3	–
PHASE 7	|	|	–	1	1	1	–	–	–	1	–
PHASE 8	|	|	–	3	3	3	–	–	–	3	–
TOTAL DLC	↓	↓	–	4	4	9	10	7	2	19	–
INTERCONNECT CABLE	#19	P.E.	–	–	–	–	1	1	–	1	1
I.S.N.S.	#12	T.W.	2	2	2	2	2	2	–	–	–
LUMINAIRES	#8	T.H.W.	2	2	2	2	2	2	–	–	–
SIGNAL SERVICE	#6	T.W.	–	–	–	–	–	–	–	2	–
CONDUIT SIZE			2"	3"	3"	3"	3"	3"	2"	2–3"	1 1/2"

POLE SCHEDULE

No.	STANDARD TYPE	HEIGHT	SIG.M.A.	LUM.M.A.	LUMINAIRE HPSV	I.S.N.S. LEGEND	SIGNAL MOUNTING VEHICLE			PED	PED PUSH BTN PHASE	TYPE	REMARKS
Ⓐ	SPECIAL	30'	65'	12'	250 W	Sycamore Canyon	MAS LT	MAS 2EA	SV–1–T	SP–1–T	4	←	
Ⓑ	15	30'	–	12'	250 W	–	–	–	SV–2–TB	SP–1–T	6	→	
Ⓒ	SPECIAL	30'	65'	12'	250 W	Alessandro	MAS LT	MAS	SV–1–T	SP–1–T	6	←	FUT. POLE
Ⓓ	15	30'	–	12'	250 W	–	–	–	SV–3–TB	–	–	–	TEMP. POLE LOCATION
Ⓔ	SPECIAL	30'	65'	12'	250 W	Sycamore Canyon	MAS LT	MAS 2EA	SV–1–T	SP–1–T	–	–	
Ⓕ	15	30'	–	12'	250 W	–	–	–	SV–2–TB	–	2	→	TEMP. POLE LOCATION
Ⓖ	SPECIAL	30'	60'	12'	250 W	Alessandro	–	MAS 2EA	–	–	–	–	
Ⓗ	15	30'	–	12'	250 W	–	–	–	SV–3–TB	SP–2–T	4	←	TEMP. POLE LOCATION POLE 5' BACK OF C.F.
Ⓘ	PPB POST	3'–10"	–	–	–	–	–	–	–	–	2	←	INTERIM POLE
Ⓙ	17–2–80	30'	20'	12'	250 W	Alessandro	–	MAS	SV–1–T	SP–1–T	6	→	INTERIM POLE
Ⓚ	PPB POST	3'–10"	–	–	–	–	–	–	–	–	4	←	INTERIM POLE

1. FUTURE SIDEWALK ELEVATIONS ARE ESTIMATED AT CENTER OF POLE LOCATION.
2. ALL SIGNAL INDICATIONS SHALL BE 12–INCH.
3. SEE SPECIFICATIONS FOR SPECIAL POLE REQUIREMENTS.
4. THE CONTRACTOR SHALL FURNISH 2 SPARE SPECIAL POLES (65' M.A. 5/80 MPH, 12' LUM. M.A.). ONE POLE FOR LOCATION Ⓒ OTHER POLE = SPARE. POLES SHALL BE DELIVERED TO THE CITY YARD AS DIRECTED BY THE ENGINEER.

INSTALL #5 PB ABD STUB OUT TO STREET. MARK GUTTER EDGE WITH "X".

INSTALL POLE FOUNDATIONS ONLY

120/240V FEED POINT. (SIGNALS AND ST. LIGHT SEE 05–4178–21)

ST. LIGHT (SEE R–3376, 3 of 7)

REFER TO STD. DWG. NO. 667.

TERMINATE AND CAP CONDUITS. INSTALL MARKER.

INSTALL CONDUITS AS SHOWN

LEAVE 2–Ø7 DLC COILED IN PB.

LEAVE 1–Ø1 DLC COILED IN PB. (FUT.)

2"C/1 DLC, I.C.

1 1/2" C/I.C.

CB

INSTALL INTERCONNECT TO CALTRANS CONTROLLER AT NB RAMP SEE PLAN X–47

EXIST. P.B.

INSTALL 332 FOUNDATION

INSTALL LOOPS FOR FUT. 416L

INSTALL R34

AC BERM LEAVE TO OPEN AT X–WALK

FUT. X–WALKS

TENON

#6(e)

FUTURE CURB

EXIST. CURB & GUTTER

LEAVE 20' SLACK Ø1 DLC IN PB.

CITY OF RIVERSIDE
COUNTY OF RIVERSIDE

INSTALL #5 PB TERMINATE 3" C. IN MEDIAN NOSE

TYP. ALL L.T. POCKETS

405' TO X–WALK

350' TO X–WALK

64'

65'

55'

ALESSANDRO BLVD.

8' RAISED ISLAND

SIGNAL AHEAD

W41 500' TO X–WALK & "SIGNAL AHEAD"

EXIST. R/W

FUTURE CURB

FUEL LINE

EXIST. CURB & GUTTER

EXIST. EDGELINE

EXIST. R/W

LICENCE AREA

1 1/2" C/1–DLC

INSTALL W54

FUTURE X–WALK

INSTALL R34

ADD TENON

CUT BERM TO CONFORM TO WHEELCHAIR RAMP PER CITY STD. 304.

#6 PB (e)

LEAVE 1–Ø3 DLC COILED IN PB.

8J6L

8J6U

MODIFY EXIST. "STOP AHEAD" PAVEMENT MARKING TO "SIGNAL AHEAD" 400'± TO CROSSWALK.
REPLACE W17 WITH W41 SIGN.

NOTES – INTERIM WORK ONLY

1. CONSTRUCT SIGNAL UNDERGROUND IMPROVEMENT WITH NORTHWEST CORNER STREET IMPROVEMENTS.
2. INSTALL CONDUITS AS SHOWN WITH PULLROPE.
3. INSTALL PULLBOXES WITH CONDUIT.
4. INSTALL POLE FOUNDATIONS FOR POLES Ⓑ & Ⓚ.
5. INSTALL TYPE 332 CONTROLLER FOUNDATION.

FOR INTERIM WORK ONLY

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
APPROVED BY

PUBLIC WORKS DIRECTOR

DATE

REGISTERED PROFESSIONAL ENGINEER — WESTON S. PRINGLE, JR. — No. 16828 EXP. 6/30/97 — CIVIL — STATE OF CALIFORNIA

PHASE DIAGRAM

1	2	3	4
		(FUTURE)	
5	6	7	8
		(FUTURE)	

FLASHING INDICATIONS: ALL RED

NOTE

CONTRACTOR SHALL COORDINATE REMOVALS OF ALL STREET LIGHTS WITH SIGNAL INSTALLATIONS TO REDUCE LIGHTING DOWN TIME AS PRACTICAL.

0 1/2 1 2 3
3 inches on original drawing
SCALE: 1"=20'

Underground Service Alert — DIG ALERT — Call: TOLL FREE 1–800 422–4133 — TWO WORKING DAYS BEFORE YOU DIG

WPA TRAFFIC ENGINEERING, INC. 940440
TRAFFIC AND TRANSPORTATION ENGINEERING
690 LANGSDORF DR. SUITE 222 FULLERTON, CA. 92631 (714) 871–2931

WESTON S. PRINGLE JR. RCE 16828 — 9/29/94 DATE

CITY OF RIVERSIDE
OVERHEAD AND UNDERGROUND

CHIEF UTILITIES ENGINEER — 9/14/94 DATE
ELECTRICAL

MARK	REVISIONS	APPR.	DATE

DESIGNED BY SOMMERS DRAWN BY RLM CHECKED BY

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER		
INSPECTION		
TRAFFIC DIVISION	9/14/94	
CHIEF P. W. ENGINEER	9/26/94	D.C.
~~UTILITIES ENGINEER~~	10/5/94	

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 10/5/94

TRAFFIC SIGNAL INSTALLATION
ALESSANDRO BLVD. AND SYCAMORE CANYON BLVD.
MS 3631
HORIZ. SCALE: 1" = 20'

ACCOUNT No. X–236
SHEET 1 OF 1
90–3000