

# CITY OF RIVERSIDE

## TRAFFIC SIGNAL MODIFICATION PLAN

### AT THE INTERSECTION OF:

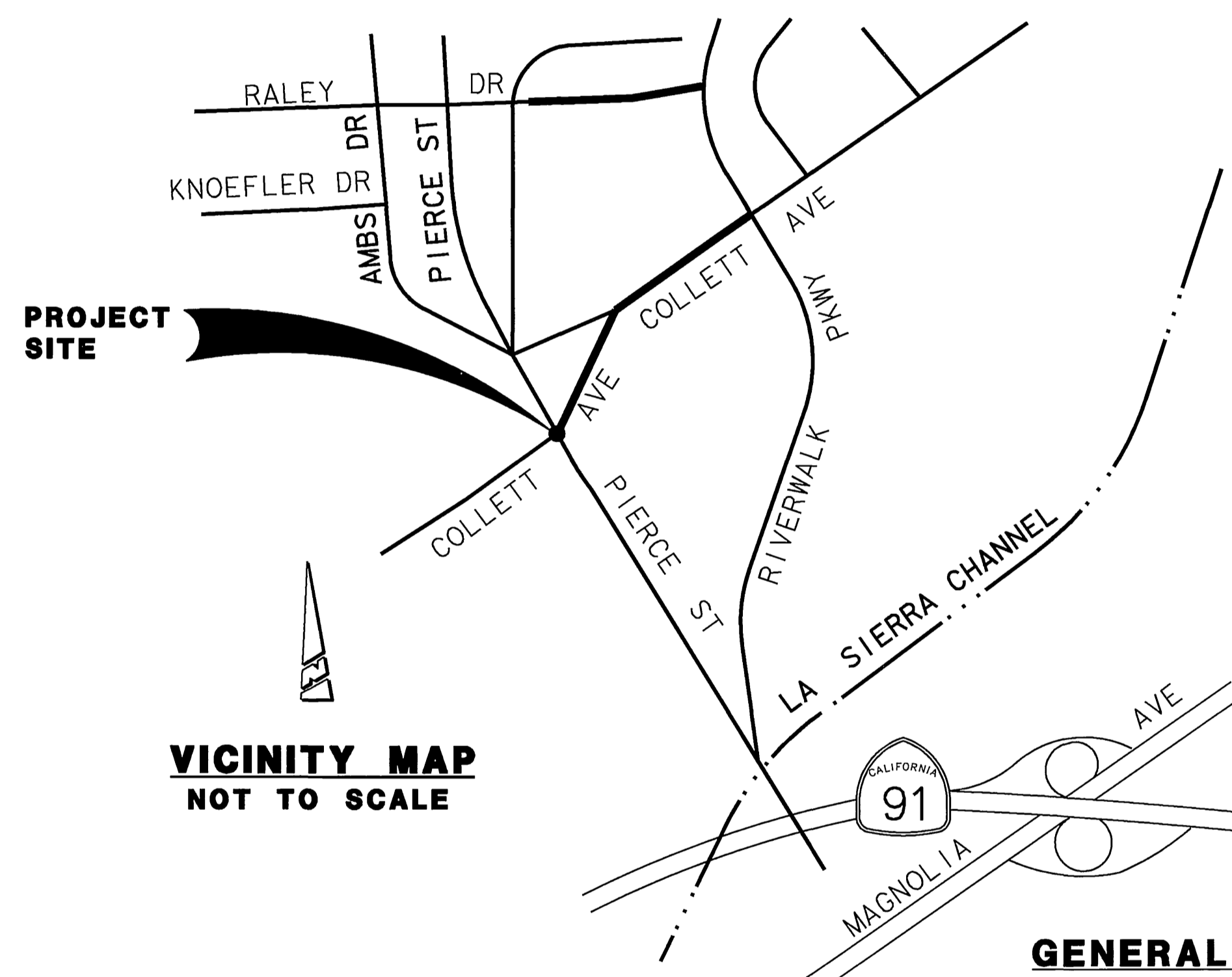
## COLLETT AVENUE AND PIERCE STREET

### SIGNING & STRIPING PLANS ON:

## COLLETT AVENUE/PIERCE STREET/RALEY DRIVE/RIVERWALK PKWY

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### GENERAL TRAFFIC SIGNAL NOTES:

1. ALL PULL BOXES SHALL BE #5 EXCEPT AS SHOWN OTHERWISE OR APPROVED BY THE ENGINEER. MAXIMUM SPACING SHALL BE 200'.
2. EACH CONDUCTOR, IN EACH PULL BOX SHALL BE IDENTIFIED AS DETAILED IN THE CONDUCTOR SCHEDULE WITH A PERMANENT IDENTIFICATION BAND IN PULL BOXES AND NEAR THE END OF EACH CONDUCTOR WHERE CONDUCTORS ARE TERMINATED. PERMANENT IDENTIFICATION BANDS SHALL BE EMBOSSED ALUMINUM FOIL TYPE WITH PRESSURE SENSITIVE OIL RESISTANT ADHESIVE BACKING.
3. ALL SPARE CONDUCTORS SHALL BE CONTINUOUS WITH 6' OF SLACK IN EACH PULL BOX.
4. DETECTOR CURB TERMINATIONS SHALL BE TYPE "A" PER STANDARD PLAN ES-5E.
5. A MINIMUM OF 2 FEET OF CLEARANCE SHALL BE MAINTAINED BETWEEN TELEPHONE CONDUIT AND ELECTRICAL CONDUITS.
6. A MINIMUM OF 15 FEET OF CLEARANCE SHALL BE MAINTAINED BETWEEN THE CONTROLLER CABINET AND THE SERVICE EQUIPMENT ENCLOSURE.
7. ALL PULL BOXES IN UNIMPROVED AREAS SHALL BE TRAFFIC BEARING.
8. OBTAIN APPROVAL FOR EXACT EQUIPMENT LOCATIONS PRIOR TO FINAL PLACEMENT. STRIPING LAYOUT (CAT-TRACKING) SHALL BE APPROVED PRIOR TO LOOP DETECTOR INSTALLATION.
9. ALL VEHICLE INDICATIONS SHALL BE 12" DIA. PEDESTRIAN SIGNALS SHALL BE TYPE "A" SYMBOL. ALL SIGNAL HEADS AND BACKPLATES SHALL BE METAL WITH LOUVERS. ALL LENSES SHALL BE GLASS.
10. ALL LOOPS SHALL BE 6' ROUND WITH 10' SPACING IN THE DIRECTION OF TRAVEL AND CENTERED IN THE LANE EXCEPT AS SHOWN. LOOPS SHALL BE TESTED AND APPROVED PRIOR TO FILLING SAWCUTS.
11. CONDUIT SHALL BE 2 INCH RIGID METAL UNLESS OTHERWISE NOTED ON THE PLANS. ALL CONDUIT UNDER PAVING SHALL BE INSTALLED WITHOUT OPEN CUTTING.
12. A MINIMUM OF 6' OF SLACK SHALL BE PROVIDED AT EACH PULL BOX AND 15 FEET OF SLACK AT EACH CONTROLLER CABINET FOR SIGNAL INTERCONNECT CABLE.
13. ALL 12" SECTIONS AND THE ARROW SECTIONS TRAFFIC SIGNAL FACES PLUS PED SECTIONS SHALL UTILIZE LIGHT EMITTING DIODE SIGNAL MODULES.
14. CONTRACTOR SHALL REMOVE ALL EXISTING WIRES FROM CONTROLLER CABINET TO SIGNAL EQUIPMENT AND INSTALL NEW WIRE (CONDUCTORS) AS INDICATED ON PROPOSED CONDUCTOR SCHEDULE OF SIGNAL PLAN MODIFICATION.
15. EXISTING SIGNAL SHALL REMAIN IN OPERATION DURING CONSTRUCTION WORK.

### GENERAL SIGNING & STRIPING NOTES:

1. - ALL REQUIRED STRIPING, PAVEMENT MARKERS AND SIGNAGE SHALL BE PROVIDED AND INSTALL BY THE CONTRACTOR.
2. - ALL STRIPING AND PAVEMENT MARKING REMOVALS SHOWN ON THE PLAN SHALL BE REMOVED BY SANDBLASTING OR GRINDING AS DIRECTED BY THE ENGINEER.
3. - THE LOCATION OF ALL SIGNS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
4. - DOUBLE YELLOW STRIPES SHALL HAVE A 3 INCH PAINTED BLACK LINE SEPARATING 4 INCH YELLOW LINES.
5. - THERMOPLASTIC CROSSWALK SHALL HAVE 10 FEET BETWEEN 12 INCH WHITE STRIPES
6. - TURN ARROWS SHALL BE LOCATED AS SHOWN ON THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
7. - STRIPING LAYOUT (CAT-TRACKING) SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION OF STRIPING.
8. - ALL EXISTING RAISED PAVEMENT MARKERS WITHIN THE PROJECT AREA SHALL BE REPLACED IN KIND AS DETAILED ON THE SIGNING AND STRIPING PLAN AND AS DIRECTED BY THE RESIDENT ENGINEER.
9. - SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE NOTED ON THE PLAN. SALVAGED SIGNS SHALL BE DELIVERED TO THE CITY OF RIVERSIDE MAINTENANCE YARD.
10. - ALL EXISTING STRIPING SHALL BE REPAINTED/REAPPLIED WITHIN 500' OF THE INTERSECTION.

### LEGEND:

- MATERIAL: P = PAINT (2 COATS), T=THERMOPLASTIC
- DT XX  
XX  
INSTALL PER CALTRANS DETAIL  
DETAIL NUMBER
- PM P  
TV  
TYPE OF TRAFFIC STRIPING MATERIAL  
T = THERMOPLASTIC, P = PAINT (2 COATS)  
INSTALL PAVEMENT MARKING (AS SHOWN) PER PAGE A24A THRU A24E OF THE STANDARD PLANS, CALTRANS  
TYPE NUMBER OF PAVEMENT MARKING. W=WHITE, Y=YELLOW
- IS XX  
XX  
SIGN TYPE  
MOUNT SIGN AS INDICATED  
MA = MOUNT ON MAST-ARM  
SP = MOUNT ON SIGNAL POLE  
TP = MOUNT ON TELESPAR POST
- RS  
REMOVE AND SALVAGE TO THE CITY OF RIVERSIDE.
- SB  
REMOVE ALL CONFLICTING STRIPING AND/OR PAVEMENT MARKINGS BY SANDBLASTING AND/OR GRINDING.

### GENERAL CONSTRUCTION NOTES:

1. ALL MATERIAL AND WORK SHALL CONFORM TO THE JULY 1999 STANDARD PLANS AND SPECIFICATIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION.
2. LOCATIONS OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE PRIOR TO COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL CONCERNED UTILITY COMPANIES AT LEAST 48 HOURS IN ADVANCE OF EXCAVATION. CALL UNDERGROUND SERVICE ALERT AT (800) 227-2600. HAND DIG UNTIL CLEAR OF OBSTRUCTIONS AS DIRECTED BY THE ENGINEER.
3. SEE CALTRANS STANDARD PLANS ES-1A AND ES-1B FOR SYMBOL AND ABBREVIATION LEGEND.
4. EXISTING PRIVATELY OWNED IMPROVEMENTS ON PUBLIC RIGHT-OF-WAY SHALL BE PROTECTED OR REPLACED, AS DIRECTED BY THE ENGINEER.
5. THE CITY RIGHT-OF-WAY SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCES BEING CONTROLLED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON CITY RIGHT-OF-WAY AFFECTED BY HIS CONSTRUCTION. METHOD OF STREET CLEANING SHALL BE DRY SWEEPING OF ALL PAVED AREAS. THERE SHALL BE NO STOCKPILING OF CONSTRUCTION MATERIALS WITHIN THE CITY RIGHT-OF-WAY WITHOUT THE PERMISSION OF THE INSPECTOR.

### CONTRACTOR'S LICENSE REQUIRED FOR THIS PROJECT: CLASS A OR C-10

### DIG ALERT



CALL BEFORE YOU DIG!

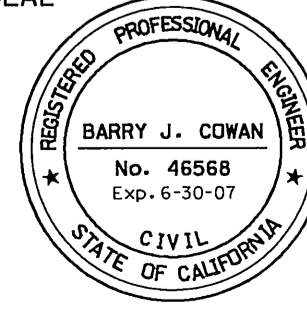
1-800-227-2600  
UNDERGROUND SERVICE ALERT  
Call at least 2 working days prior to excavating.

### 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 THE 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.

SEAL



PLANS PREPARED UNDER SUPERVISION OF

*Barry J. Cowan*  
Date 10/5/04 R.C.E. 46568 (EXP. 6-30-07)

BENCH MARK:



**RICK ENGINEERING COMPANY**  
San Diego Riverside Orange Phoenix Tucson  
ONE CITY BEUL WEST SUITE 2005 GRANITE, CA 92084 TEL: (949) 448-7142 FAX: (949) 448-7141 www.rickeng.com

MARK	REVISIONS	APPR.	DATE
1S	DESIGNED BY	CS	10/7/04
	DRAWN BY	AM/RL	
	CHECKED BY	CS	

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

APPROVED BY:	BY	DATE	APPROVED BY:
PRINCIPAL ENGINEER	DL	10/7/04	<i>Blam</i>
TRAFFIC DIVISION		10/6/04	CITY ENGINEER
			DATE: 10/7/04

CITY OF RIVERSIDE  
TITLE SHEET  
COLLETT AVENUE AND  
PIERCE STREET

JOB NO. -----  
**X-266A**  
SHEET **1** OF **4**

