

TRAFFIC SIGNAL GENERAL NOTES:

1. CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDELINE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH AND INSTALL ANY ADDITIONAL LOAD SWITCHES AND/OR DETECTOR CARDS, IF NECESSARY, FOR THE PROPOSED OPERATION.

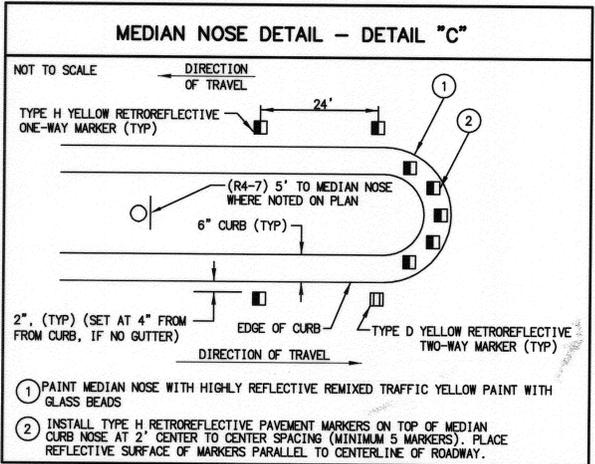
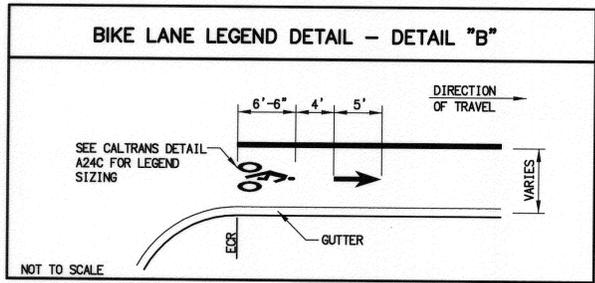
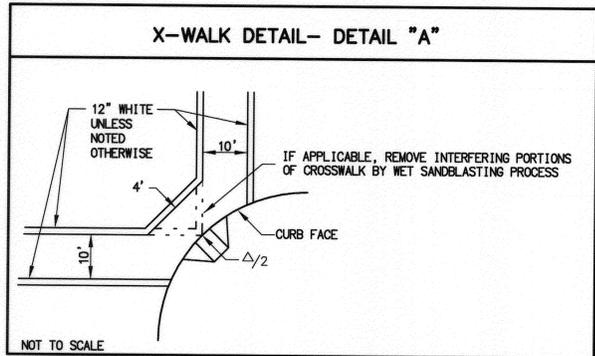
SIGNING AND STRIPING GENERAL NOTES:

1. SIGNING AND STRIPING INSTALLATIONS SHALL CONFORM TO THE 2012 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND SPECIFICATIONS DATED 2010, AND ALL ADDENDUMS THERETO, AND THE CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT STANDARD DRAWINGS, CURRENT EDITION.
2. ALL STRIPING, MARKINGS, AND LEGENDS SHALL BE REFLECTORIZED THERMOPLASTIC UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL PROVIDE AND INSTALL RAISED PAVEMENT MARKERS FOR ALL STRIPING. STRIPING, MARKINGS AND LEGENDS SHALL CONFORM TO THE LATEST CALTRANS STANDARD PLANS A20A THRU A20D AND A24A THRU A24E.
3. PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL PAVEMENT STRIPING AND STENCILING WITHIN THE PERIMETER OF THE CONSTRUCTION AREA SHALL BE RESTORED TO LIKE NEW CONDITION, IN A MANNER MEETING THE APPROVAL OF THE CITY OF RIVERSIDE.
4. THE CONTRACTOR SHALL RE-STRIPE EXISTING STRIPING AND CURB MARKINGS OBLITERATED BY NEW CONSTRUCTION, WHETHER OR NOT SHOWN ON THE PLANS FOR REPLACEMENT, AT NO COST TO THE CITY.
5. AT LOCATIONS WHERE EXISTING PAINTED CURB IS TO BE RECONSTRUCTED, THE CONTRACTOR SHALL PAINT THE NEW CURB AS SHOWN ON THE PLANS WITHIN 10 WORKING DAYS OF CURB CONSTRUCTION OR AS DIRECTED BY ENGINEER. THE PAINT SHALL BE WATER-BASED WITH 2-YEAR GUARANTEE AGAINST COLOR FADING. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CITY WRITTEN PROOF OF THE MANUFACTURER'S 2-YEAR GUARANTEE.
6. ALL NEW STRIPING SHALL BE "CAT TRACKED" AND APPROVED BY THE ENGINEER PRIOR TO FINAL INSTALLATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER COMPLETING LAYOUT AND AT LEAST 3 WORKING DAYS BEFORE COMMENCING INSTALLATION OF STRIPING, MARKINGS AND MARKERS.
7. TRAFFIC SIGN FACE SHALL BE 3M DIAMOND GRADE DG3 REFLECTIVE SHEETING (ASTM XI) OR APPROVED EQUAL WITH PROTECTIVE GRAFFITI OVERLAY FILM OR AS OTHERWISE NOTED. ALL WARNING SIGNS SHALL HAVE A FLUORESCENT YELLOW BACKGROUND AND SCHOOL SIGNS NOTED SHALL HAVE A FLUORESCENT YELLOW-GREEN BACKGROUND.
8. SIGNS SHALL BE STANDARD SIZE UNLESS NOTED OTHERWISE. PRIOR TO INSTALLATION, NEW SIGNS SHALL BE APPROVED BY THE CITY OF RIVERSIDE. EXACT LOCATIONS OF SIGNS SHALL BE DETERMINED BY THE CITY ENGINEER.
9. ALL EXISTING SIGNS AND POSTS TO BE REMOVED SHALL BE DELIVERED TO THE CITY OF RIVERSIDE SIGN DEPARTMENT.
10. WHEN PAINT IS SPECIFIED, TRAFFIC STRIPES AND MARKINGS SHALL BE APPLIED IN TWO COATS. A MINIMUM OF SEVEN DAYS SHALL BE PROVIDED BETWEEN FIRST AND SECOND COATS.
11. STRIPING SHALL BE APPLIED WITHIN 48 HOURS OF SURFACE COURSE REPLACEMENT ON STREETS OPEN TO THE PUBLIC. IN NO CASE SHALL A NEWLY PAVED STREET OPEN TO THE PUBLIC BE LEFT UNSTRIPED OVER A WEEKEND OR HOLIDAY.
12. CONTRACTOR SHALL INSTALL NEW SIGN(S) AND/OR POST(S) PER CITY OF RIVERSIDE STANDARD DRAWING No. 664, SEE SPECIFICATIONS. 13. CONTRACTOR SHALL INSTALL NEW STREET NAME SIGNS AND POST PER CITY OF RIVERSIDE STANDARD DRAWING No. 662, SEE SPECIFICATIONS.
13. ALL CONFLICTING STRIPING, PAVEMENT MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS SHALL BE REMOVED EVEN IF NOT SHOWN ON PLANS. REMOVALS OF PAINTED STRIPING, PAVEMENT MARKINGS AND LEGENDS SHALL BE DONE BY WET SANDBLASTING. REMOVALS OF THERMOPLASTIC STRIPING, PAVEMENT MARKINGS AND LEGENDS SHALL BE REMOVED BY WET SANDBLASTING, GRINDING OR OTHER APPROVED METHOD AND SHALL NOT DAMAGE THE PAVEMENT. "BLACK OUT" OF EXISTING DELINEATION IS NOT PERMITTED. ALL DAMAGED PAVEMENT DUE TO REMOVALS SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A SMOOTH AND UNIFORM SURFACE OR AS DIRECTED BY THE ENGINEER. ALL STRIPING REMOVALS AND LEGENDS SHALL BE "FOG SEALED".
14. WHERE APPLICABLE, OUTBOUND LANE LINE DETAILS SHALL COMMENCE AT THE CROSSWALK, MEANING THE PAINTED PORTION OF THE DETAIL SHALL JOIN THE CROSSWALK.

STRIPING QUANTITIES - ALL SHEETS					
ITEM	DESCRIPTION	SHT. 1	SHT. 2	SHT. 3	QUANTITY UNIT
1	DETAIL 9	1034	3789	75	4898 LF
2	DETAIL 22	340	1615	555	2510 LF
3	DETAIL 29	-	82	-	82 LF
4	DETAIL 32	303	927	1757	2987 LF
5	DETAIL 38	275	395	175	845 LF
6	DETAIL 39	577	3610	2613	6800 LF
7	DETAIL 39A	150	520	80	750 LF
8	4" SOLID YELLOW/WHITE	100	250	-	350 LF
9	8" SOLID YELLOW/WHITE	-	32	-	32 LF
10	12" SOLID YELLOW/WHITE	676	1233	-	1909 LF
11	DETAIL C - MEDIAN NOSE DETAIL	2	2	-	4 EA
12	PAVEMENT LEGENDS/MARKINGS	88	483	431	1002 SF
13	TYPE "E" DETECTOR	10	28	-	38 EA
14	TYPE "D" DETECTOR	6	14	-	20 EA
15	TYPE "C" DETECTOR	2	8	-	10 EA
16	SC - SPLICE CONDUCTORS	3	8	-	11 EA
17	DLC - DETECTOR LOOP CABLE	520	1935	-	2455 LF
18	DETECTOR CHANNEL CARD	2	7	-	9 EA
19	2070 CONTROLLER ASSEMBLY	1	-	-	1 EA
20	BROADBAND RADIO	1	-	-	1 EA

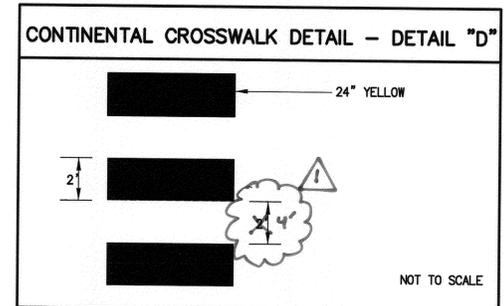
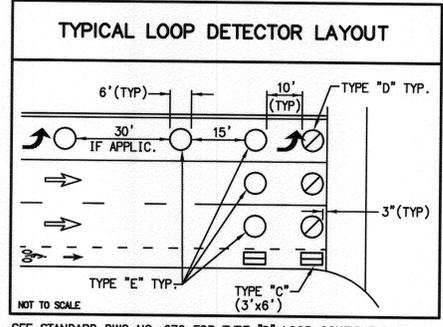
SIGN QUANTITIES - ALL SHEETS								
SIGN NUMBER	SIGN CODE	PANEL SIZE (IN)	INSTALL ROADSIDE SIGN(S)			RELOCATE ROADSIDE SIGN(S)		REMOVE SIGN(S)
			NO POST	ONE POST	TWO POST	NO POST	ONE POST	
01-01	R26A(CA)EB			1				
02-01	R1-1			1				
02-02	R1-1			1				
02-03	R26A(CA)EB			1				
02-04	R26A(CA)EB		1					
02-05	R26A(CA)EB			1				
03-01	W11-1 & W16-1P			1				
03-02	"SPECIAL"(L)			1				
03-03	SNS	9"				1		
03-04	SNS	9"						1
03-05	"SPECIAL"(R)			1				
GRAND TOTAL:			1	8				1

SEE CITY OF RIVERSIDE STD DWG NO. 664 FOR ROADSIDE SIGNS
 SEE CITY OF RIVERSIDE STD DWG NO. 662 FOR STREET NAME SIGNS
 SNS = STREET NAME SIGN
 * = THE SIZE SHALL MATCH THE EXISTING



SIGNING AND STRIPING LEGEND AND CONSTRUCTION NOTES:

- [E] EXISTING TO REMAIN.
- [#] INSTALL CALTRANS STRIPING DETAIL PER NUMBER NOTED, INCLUDING INSTALLATION OF RAISED PAVEMENT MARKERS.
- [PM] INSTALL PAVEMENT MARKING OR ARROW AS NOTED.
- [RP] REMOVE ALL EXISTING CONFLICTING TRAFFIC STRIPING AND MARKINGS AS NOTED, INCLUDING RAISED PAVEMENT MARKERS.
- [1-1] SIGN LOCATION
- [IS] FURNISH AND INSTALL ROADSIDE SIGN(S) OR SNS WITH/WITHOUT POST
- [RS] REMOVE SIGN(S)
- [RL] RELOCATE EXISTING SIGN(S) TO EXISTING POST OR INSTALL POST (IF APPLICABLE)
- [S] EXISTING SIGNALIZED INTERSECTION
- [SC] SPLICE TO EXISTING
- [1] INTSTALL "TYPE E" DETECTOR LOOPS UNLESS OTHERWISE NOTED.
- [2] CONTRACTOR SHALL INSTALL (2) DLC(S) FROM THE ADJACENT PULL BOX TO THE CONTROLLER CABINET FOR DETECTOR CHANNEL (3J5L, 8J7U). THE CONTRACTOR SHALL INSTALL ONE ADDITIONAL DETECTOR CARD FOR THE PROPOSED OPERATION.
- [3] CONTRACTOR SHALL INSTALL (1) DLC FROM THE ADJACENT PULL BOX TO THE CONTROLLER CABINET FOR DETECTOR CHANNEL (7J5L). THE CONTRACTOR SHALL INSTALL ONE ADDITIONAL DETECTOR CARD FOR THE PROPOSED OPERATION.
- [4] REMOVE AND SALVAGE EXISTING CONTROLLER ASSEMBLY. CONTRACTOR SHALL FURNISH AND INSTALL MODEL 2070 CONTROLLER ASSEMBLY IN EXISTING P CABINET, COMPLETE WITH DETECTION SHOWN AND AUXILIARY EQUIPMENT PER CITY OF RIVERSIDE SPECIFICATIONS. EXISTING DETECTOR CARDS TO REMAIN.
- [5] THE CONTRACTOR SHALL INSTALL A MOTOROLA POINT-TO-MULTIPOINT 54430 10 MHz SUBSCRIBER MODULE BROADBAND RADIO, MODEL NO. 5490SM10 OR CITY APPROVED EQUAL. RADIO SHALL BE INSTALLED ON EXISTING TRAFFIC SIGNAL POLE A. ORIENT RADIO EAST. CONTRACTOR SHALL COORDINATE WITH THE CITY OF RIVERSIDE TRAFFIC ENGINEERING SECTION AT 951-826-5104 TO DETERMINE IF THE RADIO WILL PROVIDE PROPER RF PERFORMANCE LEVELS.
- [P] PROPOSED SIGN (ONE POST)
- [P] EXISTING SIGN (ONE POST)
- [P] EXISTING SIGN (ON STREET LIGHT)
- [SNS] STREET NAME SIGN
- 12' PROPOSED WIDTH



ENGINEER IN CHARGE
 GILBERT M. HERNANDEZ
 R.C.E. No. 69170 EXPIRES: 6-30-16
 DATE: 8-13-14

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

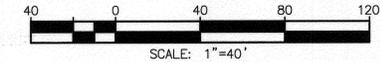
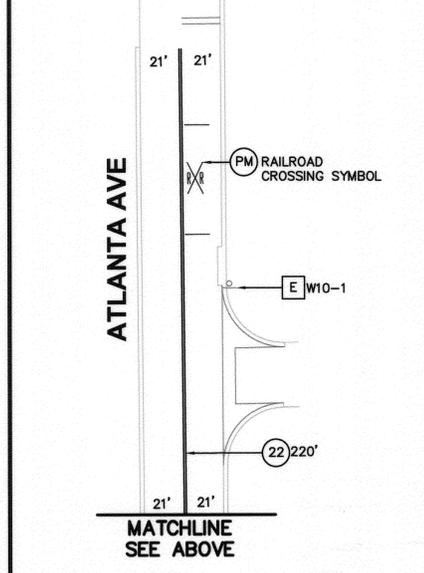
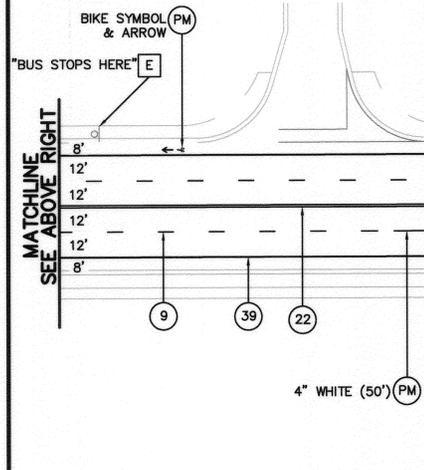
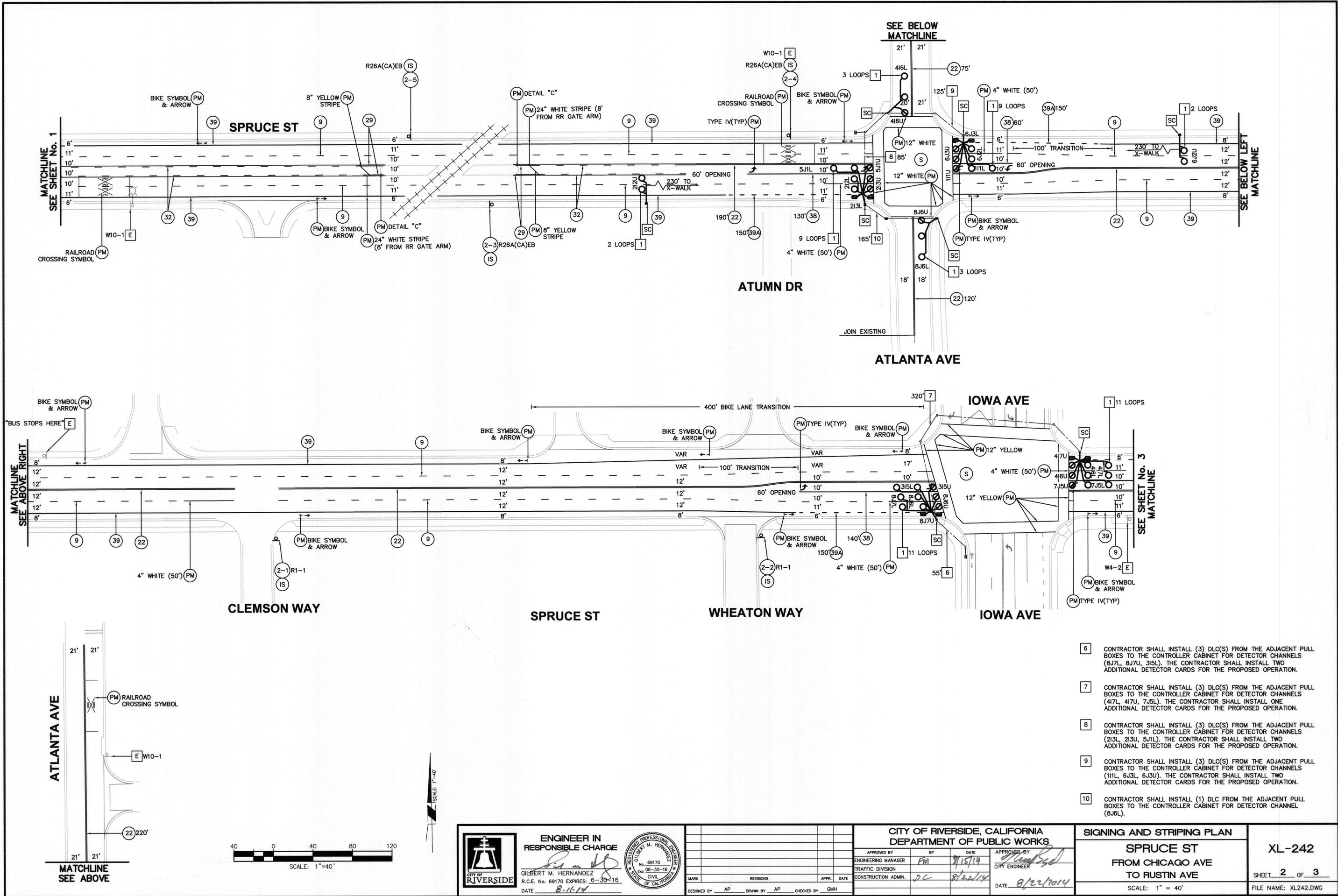
APPROVED BY: *PM* DATE: 8/15/14
 ENGINEERING MANAGER
 TRAFFIC DIVISION
 CONSTRUCTION ADMIN. *DC* DATE: 8/22/14

SIGNING AND STRIPING PLAN
SPRUCE ST
FROM CHICAGO AVE
TO RUSTIN AVE

SCALE: 1" = 40'

XL-242

SHEET 1 OF 3
 FILE NAME: XL242.DWG



ENGINEER IN RESPONSIBLE CHARGE
 GILBERT M. HERNANDEZ
 R.C.E. No. 69170 EXPIRES: 6-30-16
 DATE: 8-11-14



MARK	REVISIONS	APPR.	DATE
AP		AP	
		GMH	

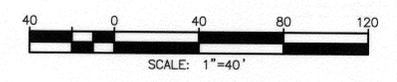
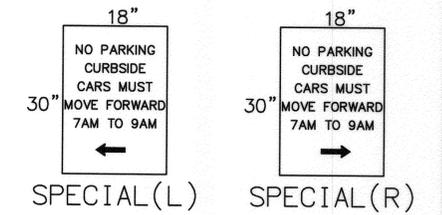
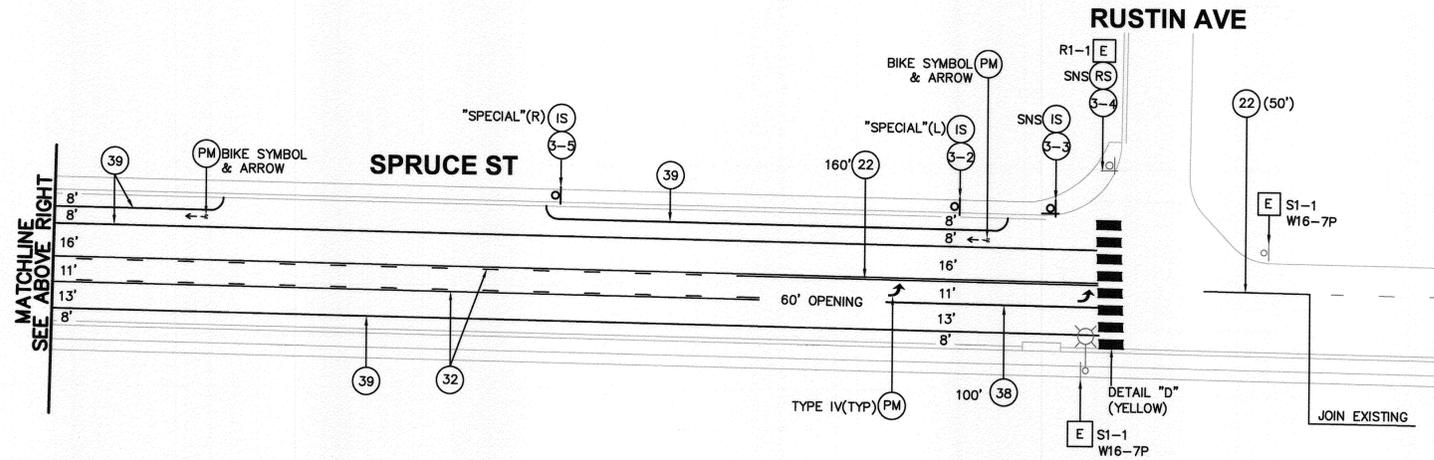
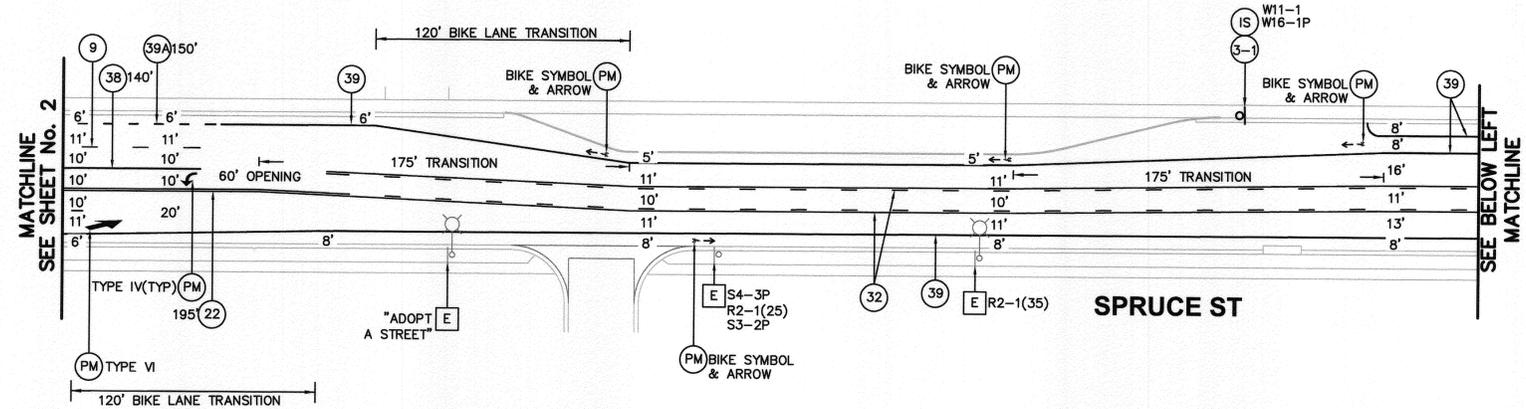
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	FM	8/15/14	CITY ENGINEER
TRAFFIC DIVISION			
CONSTRUCTION ADMIN.	DC	8/22/14	DATE: 8/22/2014

SIGNING AND STRIPING PLAN	
SPRUCE ST FROM CHICAGO AVE TO RUSTIN AVE	
SCALE: 1" = 40'	

XL-242
SHEET 2 OF 3
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- 6 CONTRACTOR SHALL INSTALL (3) DLC(S) FROM THE ADJACENT PULL BOXES TO THE CONTROLLER CABINET FOR DETECTOR CHANNELS (8J7L, 8J7U, 315L). THE CONTRACTOR SHALL INSTALL TWO ADDITIONAL DETECTOR CARDS FOR THE PROPOSED OPERATION.
- 7 CONTRACTOR SHALL INSTALL (3) DLC(S) FROM THE ADJACENT PULL BOXES TO THE CONTROLLER CABINET FOR DETECTOR CHANNELS (417L, 417U, 7J5L). THE CONTRACTOR SHALL INSTALL ONE ADDITIONAL DETECTOR CARDS FOR THE PROPOSED OPERATION.
- 8 CONTRACTOR SHALL INSTALL (3) DLC(S) FROM THE ADJACENT PULL BOXES TO THE CONTROLLER CABINET FOR DETECTOR CHANNELS (213L, 213U, 5J1L). THE CONTRACTOR SHALL INSTALL TWO ADDITIONAL DETECTOR CARDS FOR THE PROPOSED OPERATION.
- 9 CONTRACTOR SHALL INSTALL (3) DLC(S) FROM THE ADJACENT PULL BOXES TO THE CONTROLLER CABINET FOR DETECTOR CHANNELS (111L, 6J3L, 6J3U). THE CONTRACTOR SHALL INSTALL TWO ADDITIONAL DETECTOR CARDS FOR THE PROPOSED OPERATION.
- 10 CONTRACTOR SHALL INSTALL (1) DLC FROM THE ADJACENT PULL BOXES TO THE CONTROLLER CABINET FOR DETECTOR CHANNEL (8J6L).

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ENGINEER IN RESPONSIBLE CHARGE
 GILBERT M. HERNANDEZ
 R.C.E. No. 69170 EXPIRES: 6-30-16
 DATE: 8-11-14

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: AP DRAWN BY: AP CHECKED BY: GMH

**CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS**

APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	FM	7/15/14	<i>[Signature]</i>
TRAFFIC DIVISION	DC	8/22/14	CITY ENGINEER
CONSTRUCTION ADMIN.			DATE: 8/22/2014

SIGNING AND STRIPING PLAN
SPRUCE ST
FROM CHICAGO AVE
TO RUSTIN AVE
 SCALE: 1" = 40'

XL-242
 SHEET **3** OF **3**
 FILE NAME: XL242.DWG

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