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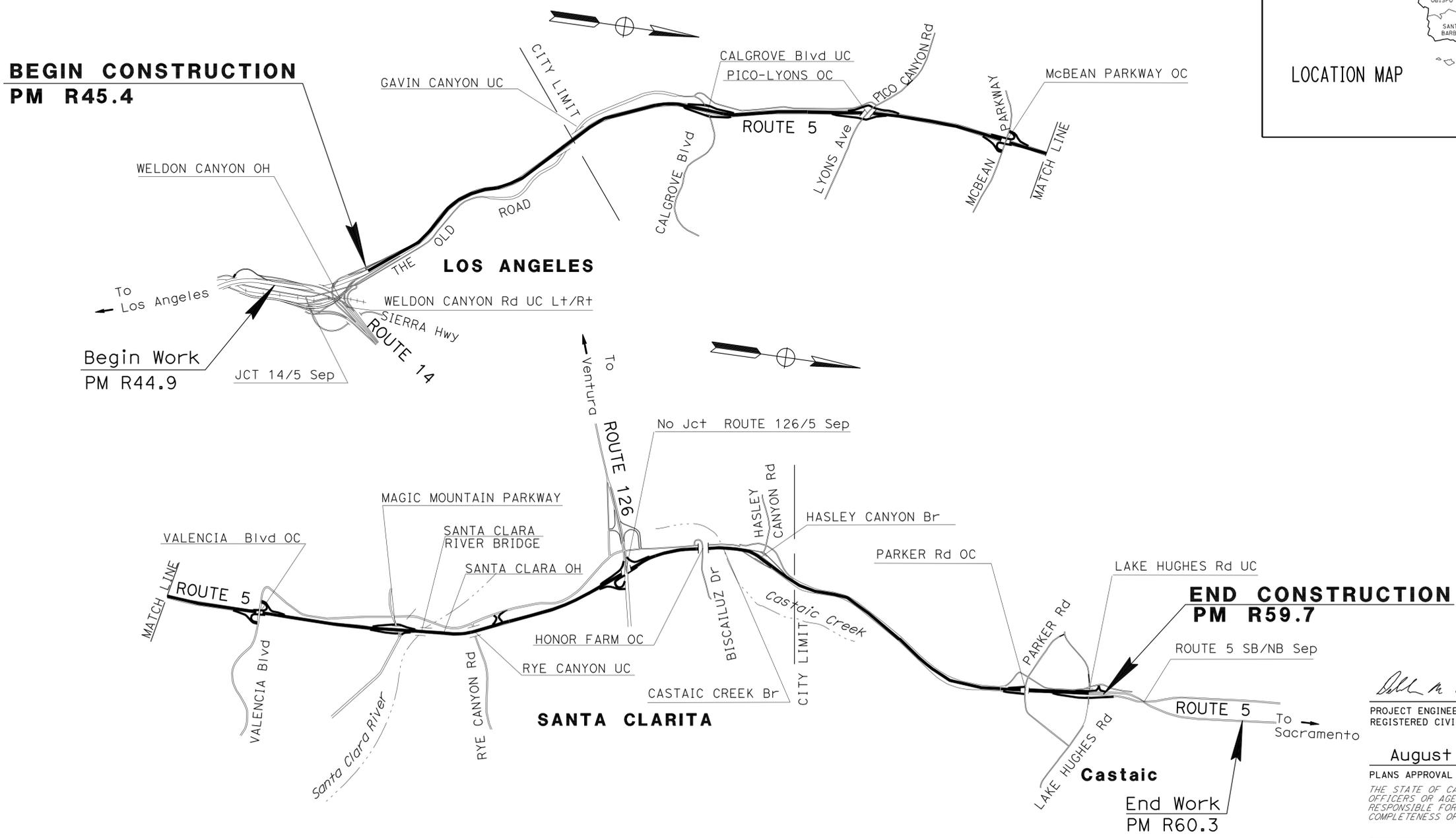
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA ACIM-005-3(08)E
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN LOS ANGELES COUNTY
FROM 0.2 MILE SOUTH OF 5/14 SEPARATION TO
0.2 MILE NORTH OF LAKE HUGHES ROAD UNDERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	1	52

LOCATION MAP



NO SCALE

PROJECT MANAGER DENNIS SNYDER	DESIGN ENGINEER HAMID SAADATNEJADI
----------------------------------	---------------------------------------

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

PROJECT ENGINEER REGISTERED CIVIL ENGINEER
 DATE 6-27-12
 August 6, 2012
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 DEBORAH WONG
 No. 58313
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

CONTRACT No.	07-252634
PROJECT ID	0700021273

DATE PLOTTED => 05-MAR-2013
TIME PLOTTED => 22:26
LAST REVISION: 08-06-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	2	52

6-27-12
 REGISTERED CIVIL ENGINEER DATE
 8-6-12
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
JEFFREY MILLER
 No. 69162
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

NOTES:

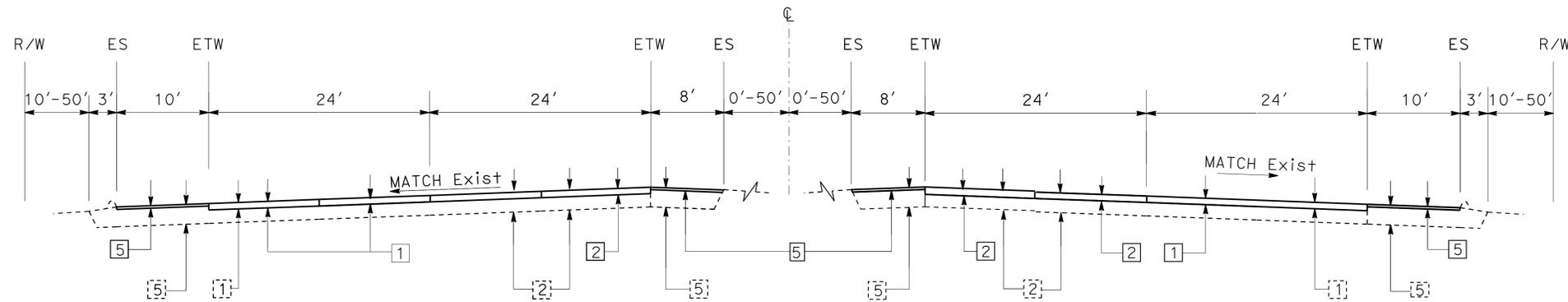
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURE SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. SEE SUMMARY OF QUANTITIES FOR LIMITS OF INDIVIDUAL SLAB.
4. EXISTING UTILITY FACILITIES ARE NOT SHOWN ON THESE PLANS.
5. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
6. NO WORK SHALL BE PERFORMED ON THE BRIDGES.

ABBREVIATIONS:

RSC: RAPID STRENGTH CONCRETE
 JPCP: JOINTED PLAIN CONCRETE PAVEMENT
 LCBRS: LEAN CONCRETE BASE RAPID SETTING
 HMA-A: HOT MIX ASPHALT (TYPE A)
 HMA-C: HOT MIX ASPHALT (TYPE C)

TYPICAL STRUCTURAL SECTIONS:

- | | | |
|---|---|--|
| <p>[1] Exist
0.75' PCC
0.33' CTB
0.25' AB
0.67' AS</p> <p>[2] Exist
0.67' PCC
0.33' CTB
0.33' AB
0.67' AS</p> <p>[3] Exist
0.35' AC
0.67' PCC
0.33' CTB
0.33' AB
0.67' AS</p> | <p>[4] Exist
0.35' AC
0.75' PCC
0.25' AB
0.67' AS</p> <p>[5] Exist
0.33', 0.52', 0.60' AC
0.33', 0.42', 0.50' AB
Var AS</p> <p>[6] Exist
0.25' AC
PRF
0.10' AC
0.67' PCC
0.33' CTB
0.33' AB
0.67' AS</p> <p>[7] Exist
0.25' AC
PRF
0.10' AC
0.67' PCC
0.33' CTB
0.33' AB
0.67' AS</p> | <p>[1] 0.75' INDIVIDUAL SLAB REPLACEMENT (RSC)</p> <p>[2] 0.67' INDIVIDUAL SLAB REPLACEMENT (RSC)</p> <p>[3] 0.95' JPCP (RAMP TERMINI WITH RSC)
0.50' LCBRS
0.70' CLASS 3 AB</p> <p>[4] 0.20' COLD PLANE AC PAVEMENT
0.20' HMA-C</p> <p>[5] 0.15' COLD PLANE AC PAVEMENT
0.15' HMA-A</p> |
|---|---|--|

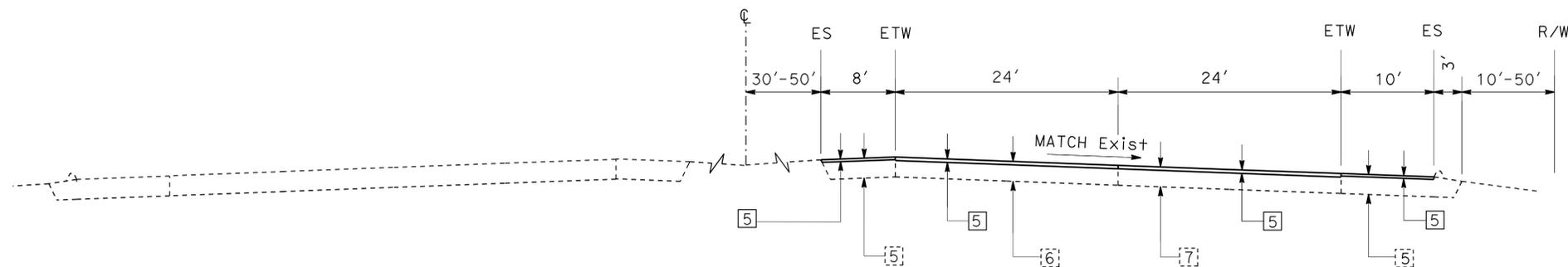


SOUTHBOUND

PM R50.00 - R50.50
 PM R51.29 - R51.58
 PM R52.84 - R55.49
 PM R55.61 - R59.49

NORTHBOUND

PM R45.70 - R48.10
 PM R49.10 - R51.09
 PM R51.27 - R55.49
 PM R55.61 - R59.49



SOUTHBOUND

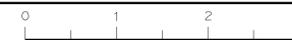
PM R48.10-R49.10

NORTHBOUND

PM R48.10-R49.10

TYPICAL CROSS SECTIONS
NO SCALE

X-1

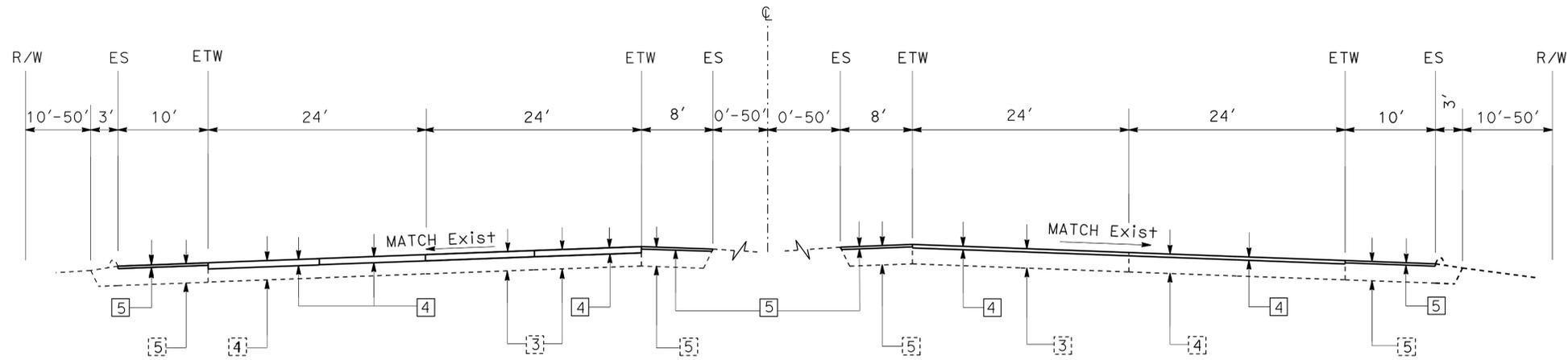


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	3	52

6-27-12
 REGISTERED CIVIL ENGINEER DATE
 8-6-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 JEFFREY MILLER
 No. 69162
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

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 OR AGENTS SHALL NOT BE RESPONSIBLE FOR
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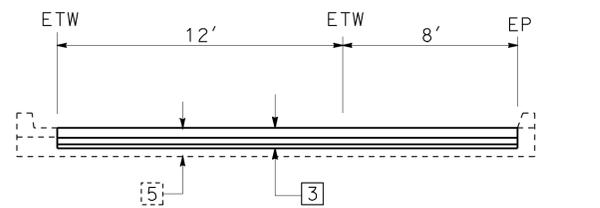


SOUTHBOUND

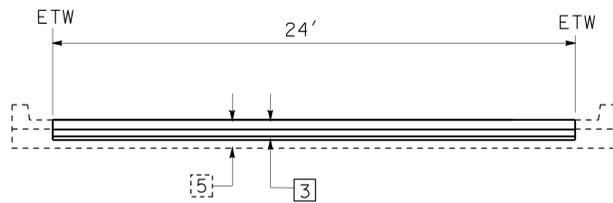
PM R50.50-R51.29
 PM R51.58-R52.84
 PM R59.49-R59.70

NORTHBOUND

PM R51.09-R51.27
 PM R59.49-R59.70
 PM R55.49-R55.61

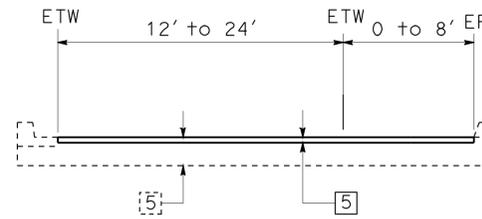


1 LANE RAMP



2 LANE RAMP

TYPICAL PCC RAMP TERMINI SECTION

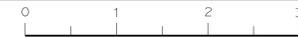


TYPICAL RAMP SECTION

TYPICAL CROSS SECTIONS
NO SCALE

X-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans MAINTENANCE ENGINEERING	JEFFREY MILLER	6-27-12
	AMBACHEW YIRGU	8-6-12
	DEBORAH WONG	



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	4	52

 REGISTERED CIVIL ENGINEER DATE 6-27-12	
PLANS APPROVAL DATE 8-6-12	

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NOTES:

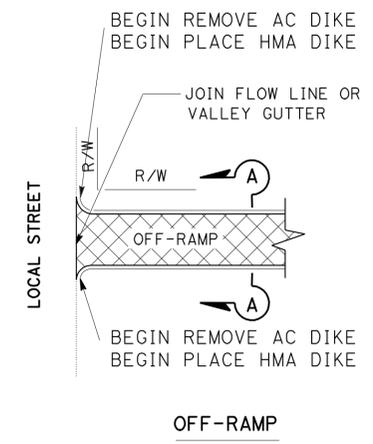
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING THE AT DISTRICT OFFICE.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
- EXACT PAVING LIMITS WILL BE DETERMINED BY THE ENGINEER.

LEGEND:

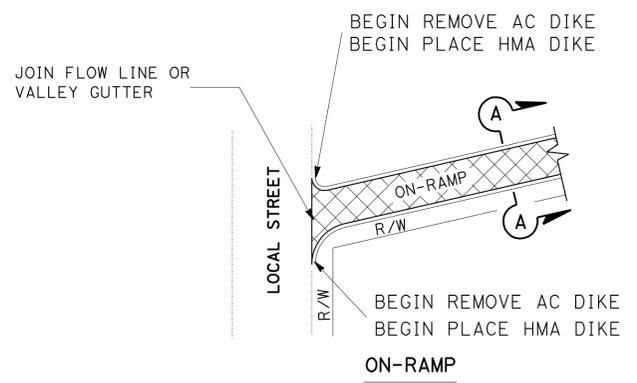
-  COLD PLANE AC PAVEMENT AND OVERLAY HMA-C
-  RAMP TERMINI

ABBREVIATION:

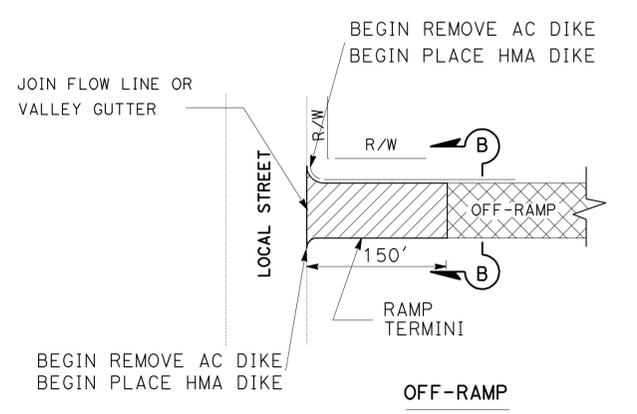
HMA-C = HOT MIX ASPHALT (TYPE C)



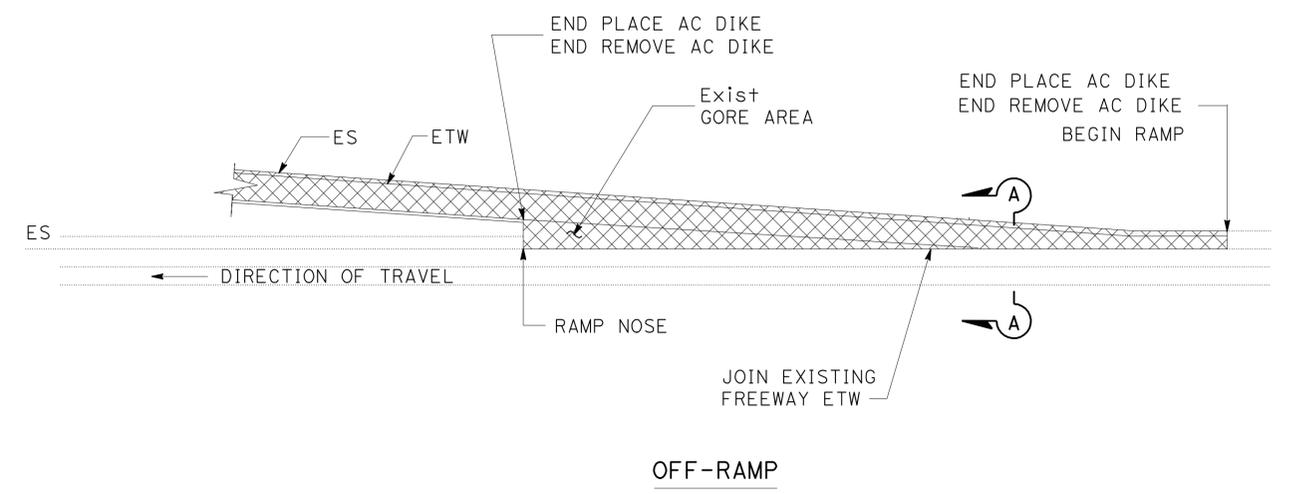
OFF-RAMP



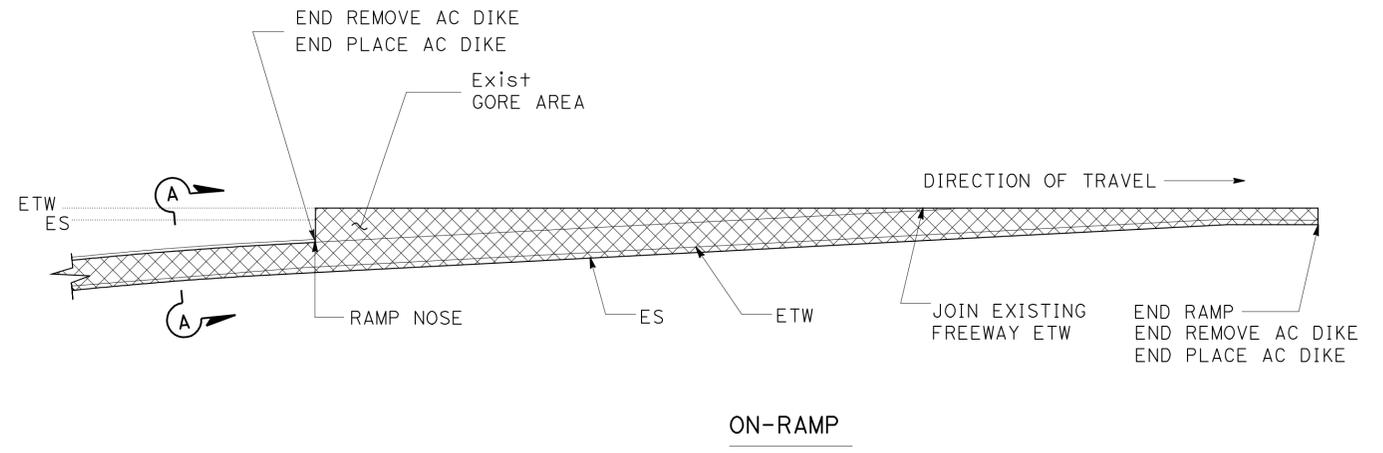
ON-RAMP



OFF-RAMP



OFF-RAMP



ON-RAMP

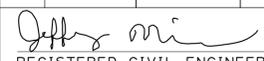
TYPICAL RAMP PAVING DETAILS

CONSTRUCTION DETAILS
NO SCALE

C-1

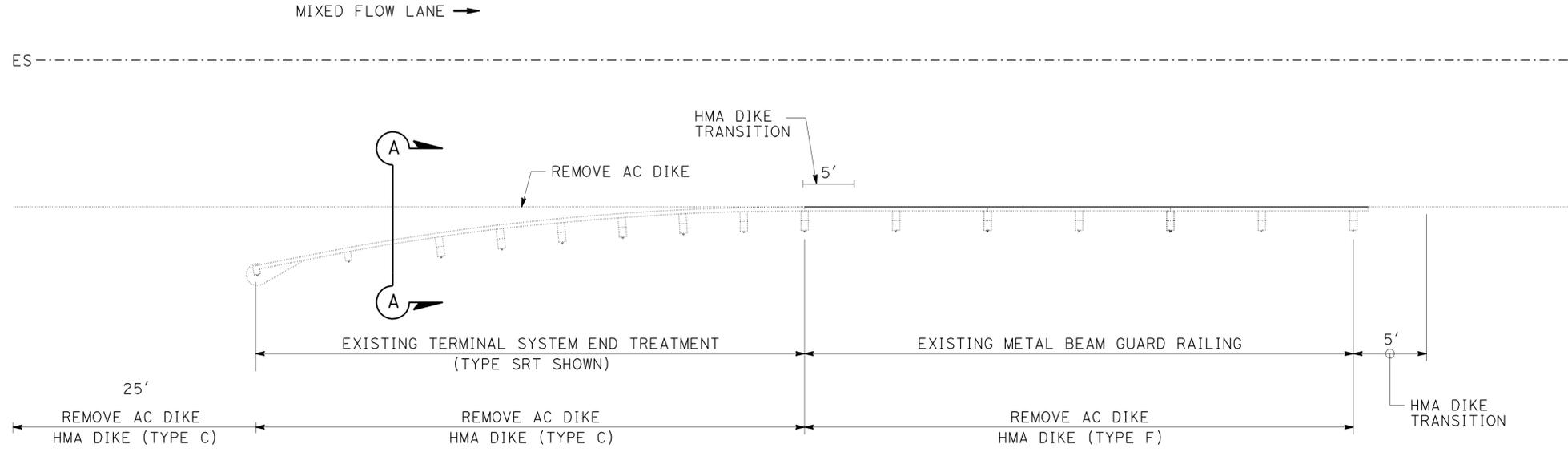
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans MAINTENANCE ENGINEERING	JEFFREY MILLER	8-6-12
	DEBORAH WONG	
	DEBORAH WONG	
	DEBORAH WONG	



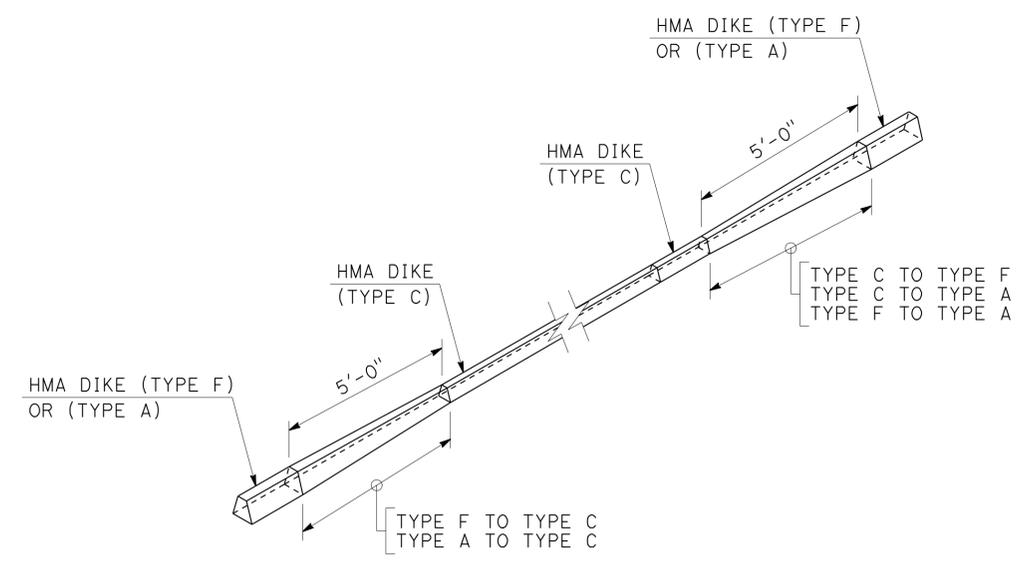
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	5	52
 REGISTERED CIVIL ENGINEER DATE 6-27-12					
PLANS APPROVAL DATE 8-6-12			<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>		

NOTE:

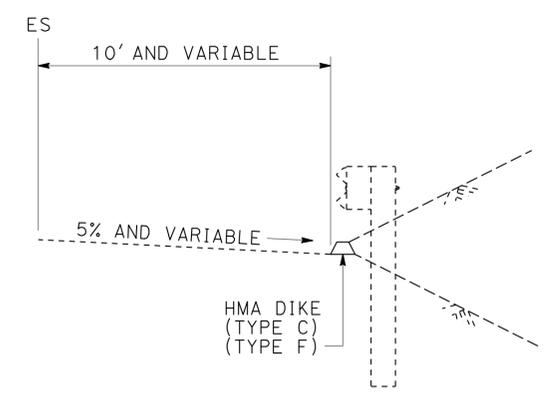
1. FOR DIKE POSITIONING IN SECTION A-A, SEE STANDARD PLAN A77C4



PLAN



HMA DIKE TRANSITION DETAILS



SECTION A-A

TYPICAL REMOVE AND PLACE HMA DIKE DETAILS

CONSTRUCTION DETAILS
NO SCALE

C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR: DEBORAH WONG
 CHECKED BY: DEBORAH WONG
 DESIGNED BY: JEFFREY MILLER
 REVISIONS: DEBORAH WONG
 DATE: 8-6-12

USERNAME => s122436
DGN FILE => 725263ga002.dgn



UNIT 1963

PROJECT NUMBER & PHASE

07000212731

LAST REVISION: DATE PLOTTED => 05-MAR-2013
 TIME PLOTTED => 22:27

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	6	52

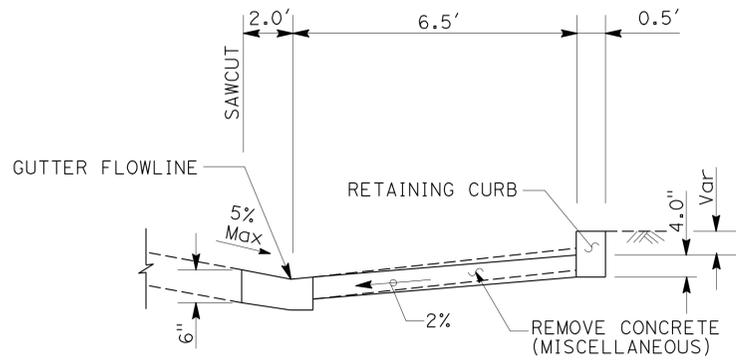
REGISTERED CIVIL ENGINEER	DATE	6-27-12
PLANS APPROVAL DATE		8-6-12

REGISTERED PROFESSIONAL ENGINEER	DEBORAH WONG
No.	58313
Exp.	6-30-14
CIVIL	

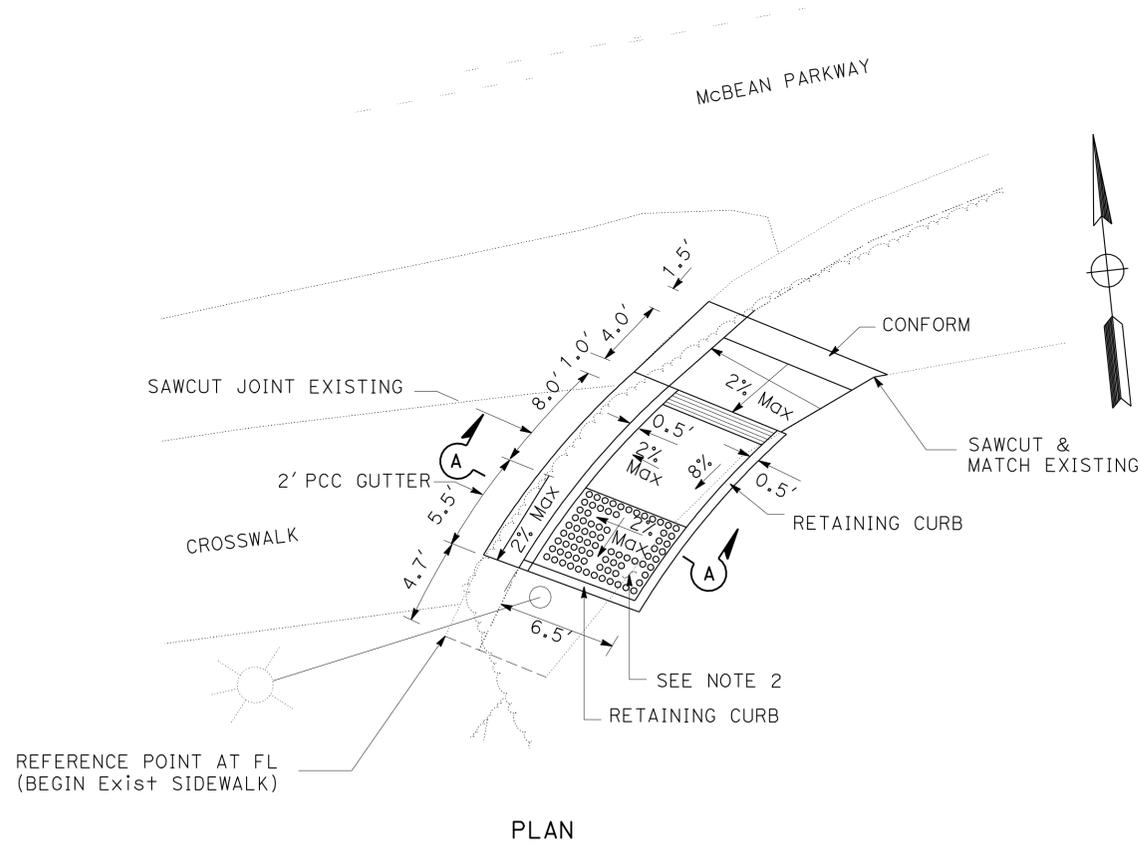
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

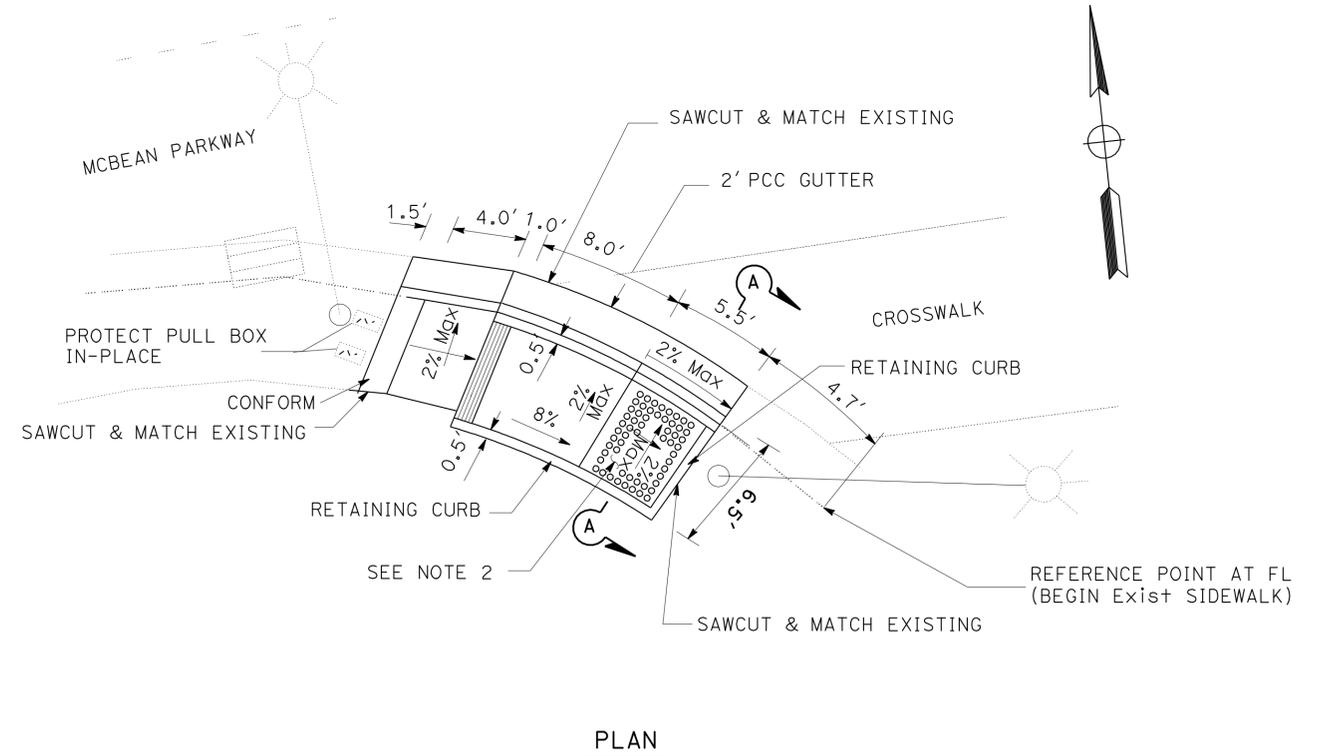
1. MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE, SHALL NOT EXCEED 5 PERCENT WITHIN 4'0" OF THE TOP AND BOTTOM OF THE CURB RAMP.
2. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP.
3. TRAFFIC SIGNAL AND LIGHTING CONDUIT LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY EXISTING CONDUITS BEFORE COMMENCEMENT OF WORK.
4. CURB RAMP EXCAVATION SHALL NOT EXCEED 6" BELOW EXISTING GROUND LEVEL.
5. SEE Q-3 FOR DESCRIPTION OF LOCATIONS



SECTION A-A



CURB RAMP LOCATION 1
CASE C (MODIFIED)



CURB RAMP LOCATION 2
CASE C (MODIFIED)

CONSTRUCTION DETAIL
NO SCALE

C-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR
 HAMID SAADATNEJATI

CALCULATED/DESIGNED BY
 CHECKED BY

ROXANA DIANATI
 DEBBIE WONG

REVISED BY
 DATE REVISED

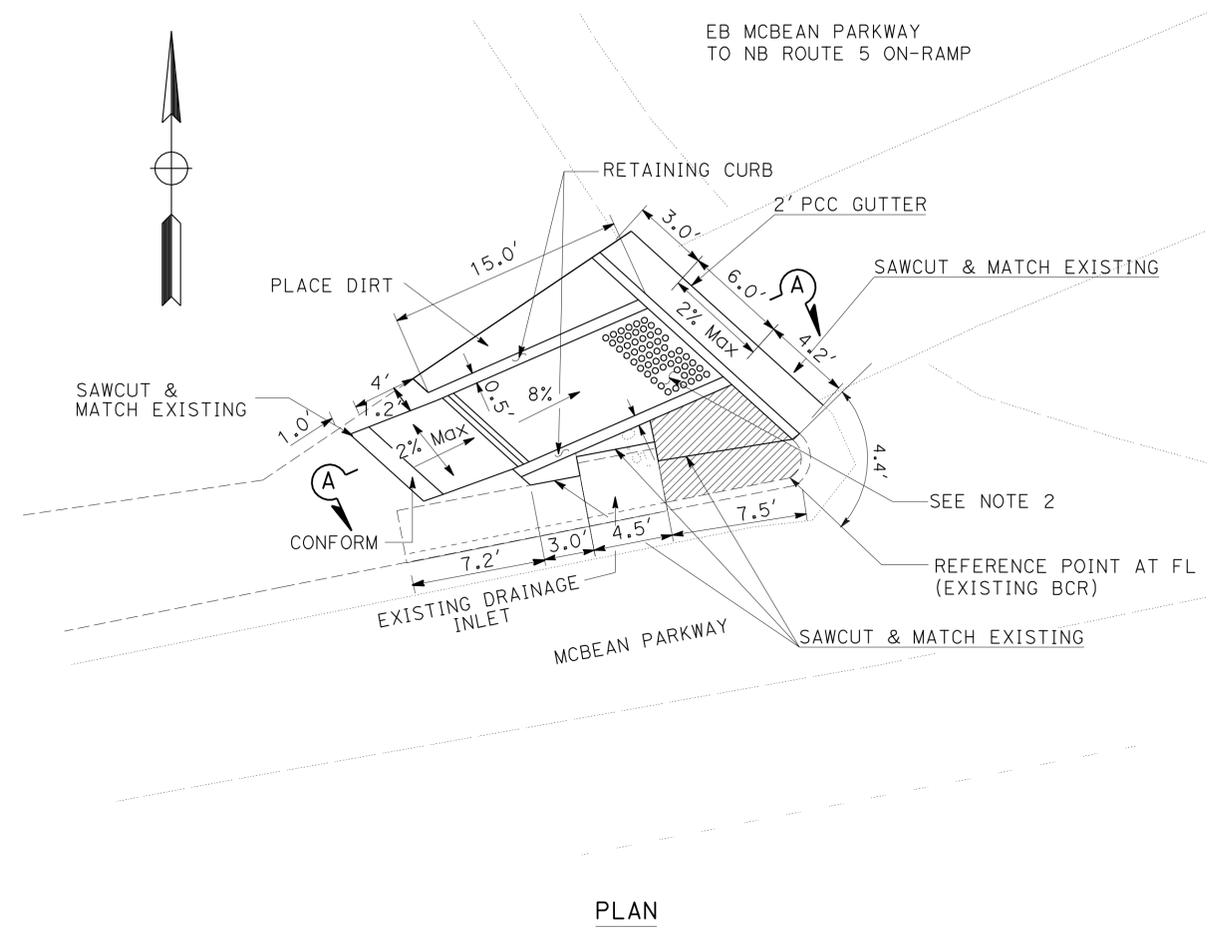
DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	7	52

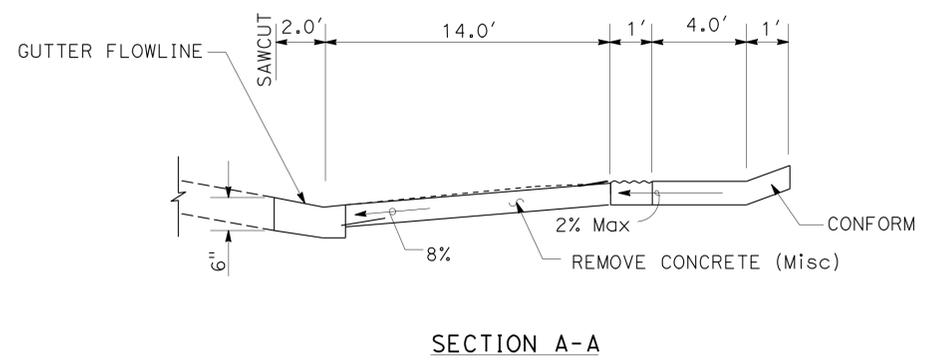
REGISTERED CIVIL ENGINEER	DATE
<i>Deborah Wong</i>	6-27-12
REGISTERED PROFESSIONAL ENGINEER	DATE
DEBORAH WONG	8-6-12
No. 58313	PLANS APPROVAL DATE
Exp. 6-30-14	
CIVIL	

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

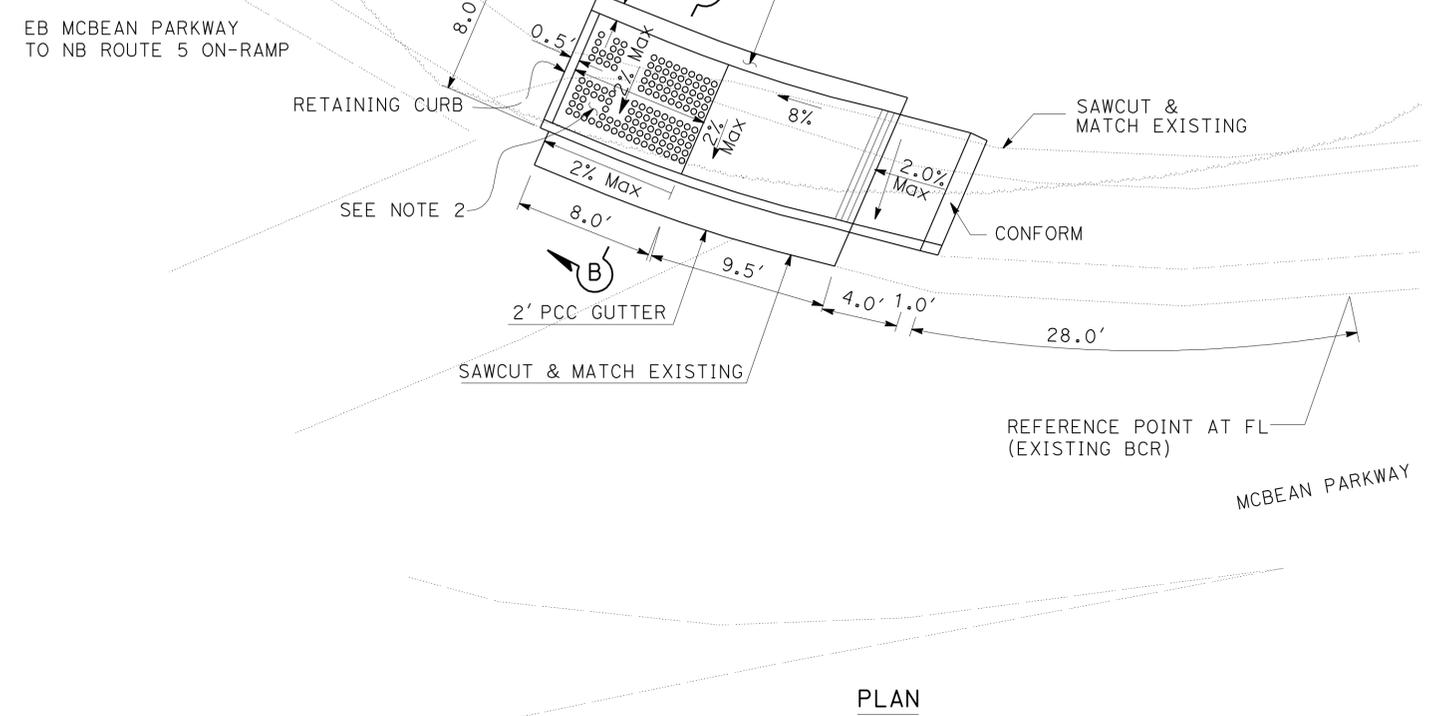
LEGEND:
 PLACE ROCK BLANKET (FOR DETAILS SEE SHEET C-7)



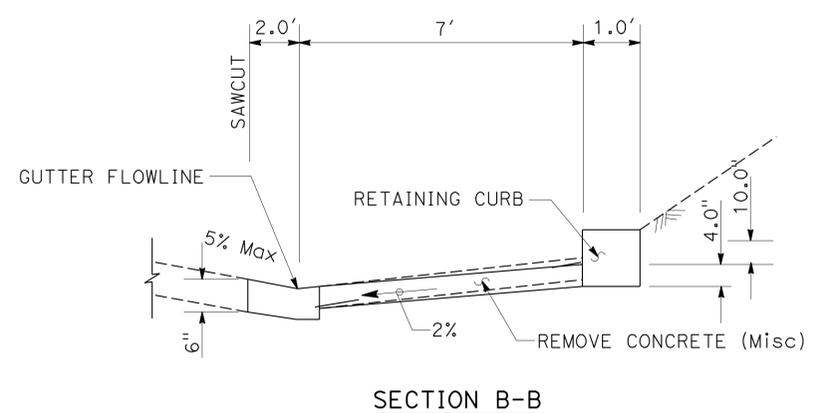
PLAN



SECTION A-A
CURB RAMP LOCATION 4
CASE F



PLAN



SECTION B-B
CURB RAMP LOCATION 3
CASE C (MODIFIED)

CONSTRUCTION DETAILS
NO SCALE
C-4

STATE OF CALIFORNIA	DEPARTMENT OF TRANSPORTATION	MAINTENANCE ENGINEERING
<i>Caltrans</i>		
FUNCTIONAL SUPERVISOR	HAMID SAADATNEJATI	
CALCULATED/DESIGNED BY	CHECKED BY	
AMBACHEW YIRGU	DEBORAH WONG	
REVISOR	DATE	REVISION

LAST REVISION DATE PLOTTED => 05-MAR-2013 08-06-12 TIME PLOTTED => 22:27

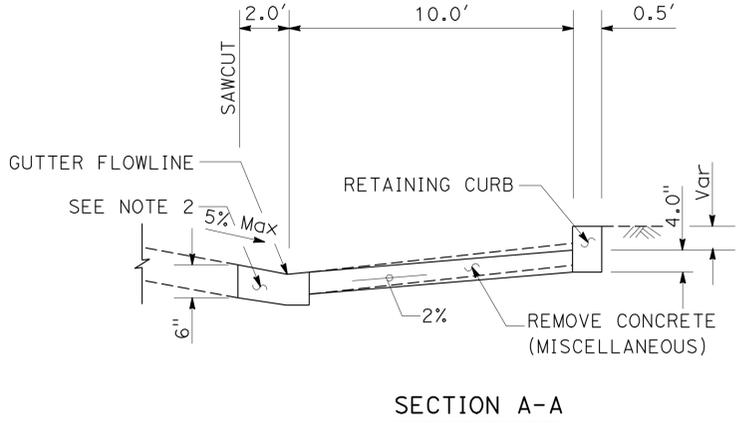
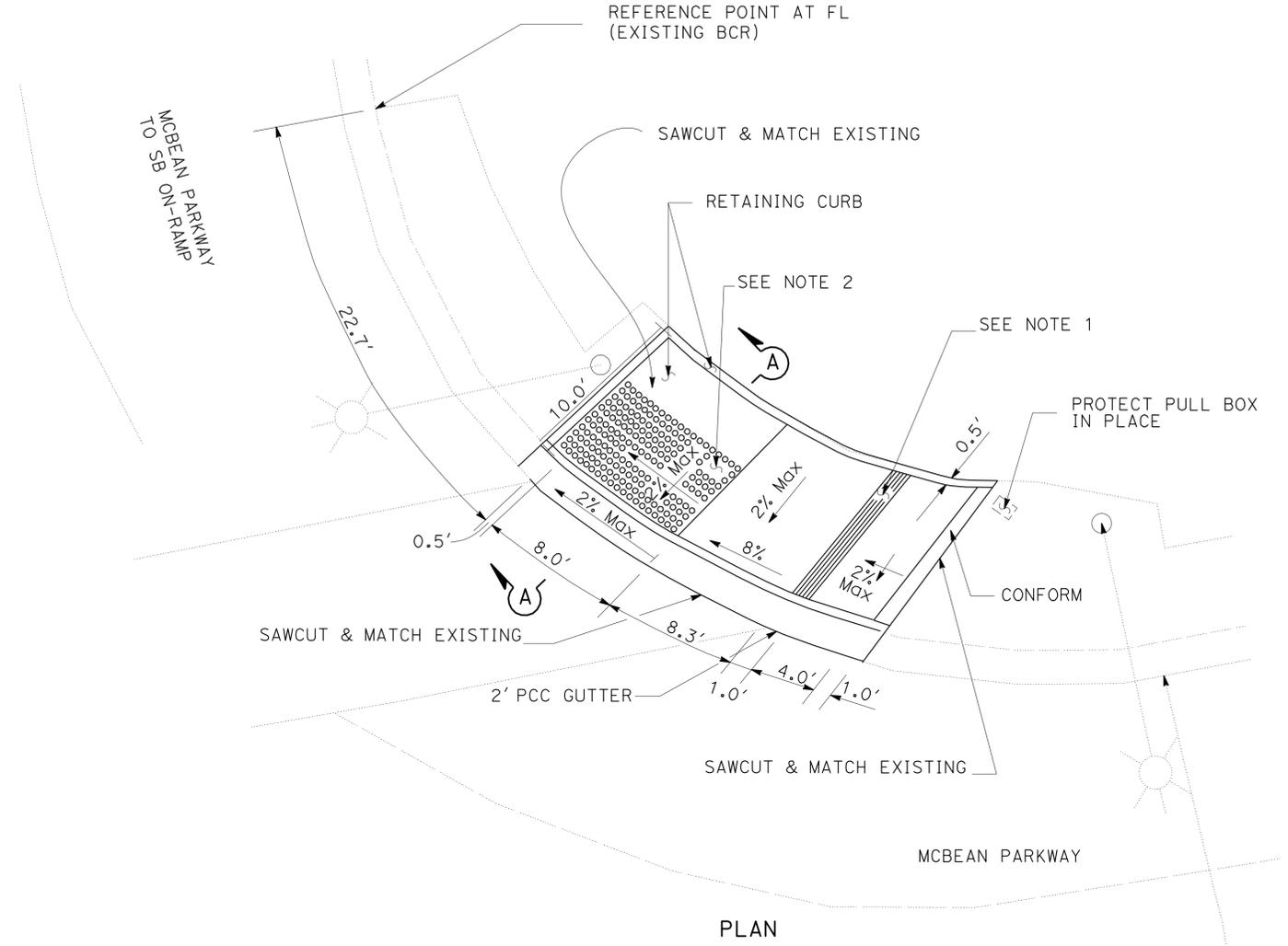
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	8	52

REGISTERED CIVIL ENGINEER	DATE
<i>Deborah Wong</i>	6-27-12
PLANS APPROVAL DATE	
	8-6-12

REGISTERED PROFESSIONAL ENGINEER
DEBORAH WONG
No. 58313
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans MAINTENANCE ENGINEERING	HAMID SAADATNEJADI	CHARLIE TRUONG	DEBBIE WONG
		CHECKED BY	DATE REVISED



CURB RAMP LOCATION 5
CASE C (MODIFIED)

CONSTRUCTION DETAILS
NO SCALE

C-5

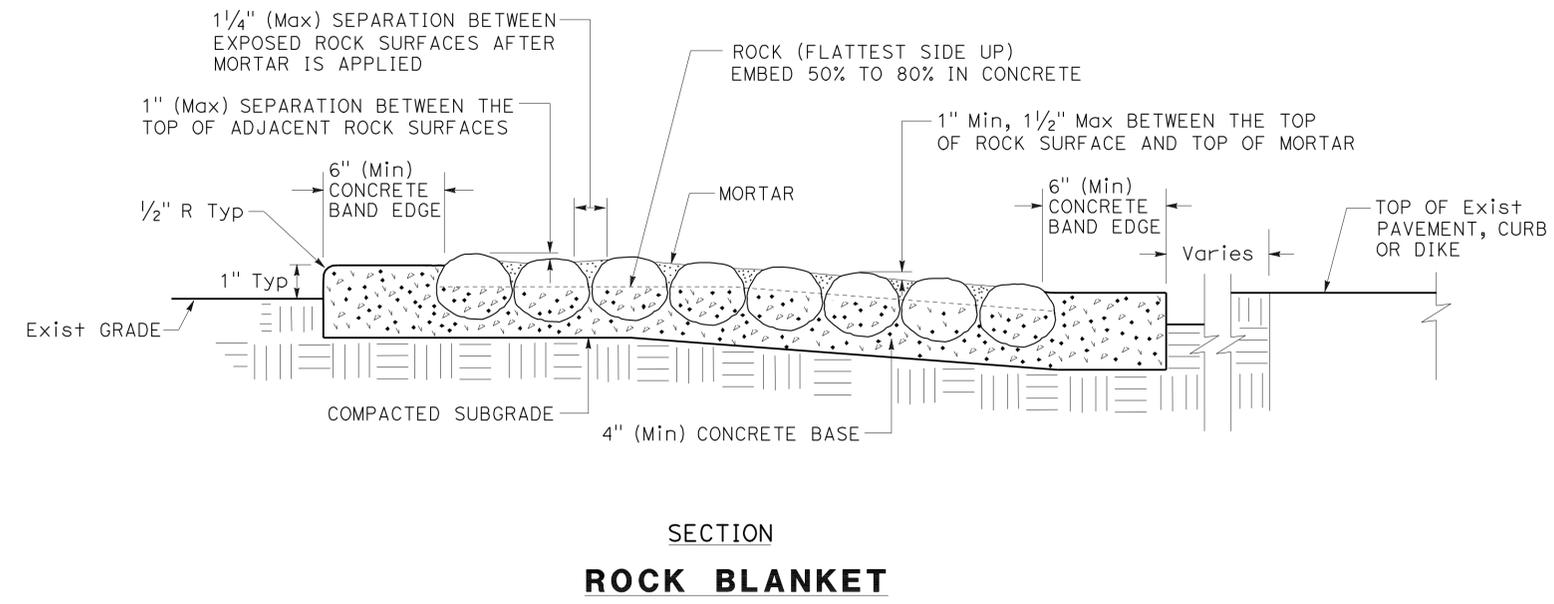
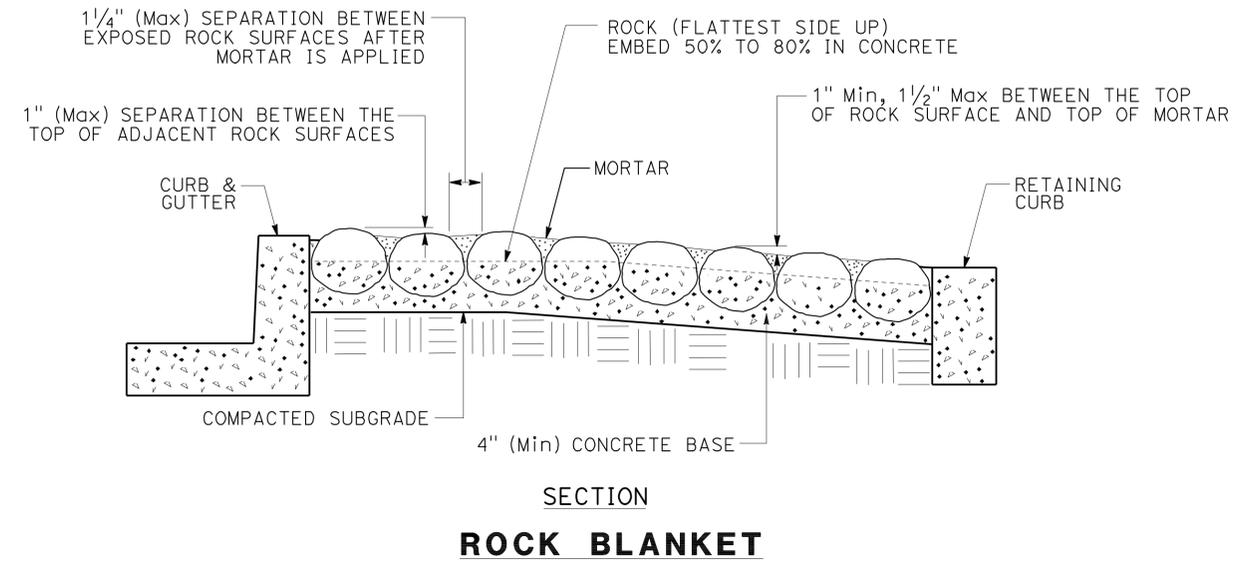
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	10	52

6-27-12
 REGISTERED CIVIL ENGINEER DATE
 8-6-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 DEBORAH WONG
 No. 58313
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

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REVISOR	DATE	REVISION
JEFFREY MILLER		
DEBBIE WONG		
CALCULATED/DESIGNED BY	CHECKED BY	FUNCTIONAL SUPERVISOR
		HAMID SAADATNEJADI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		
Caltrans MAINTENANCE ENGINEERING		



CONSTRUCTION DETAILS
NO SCALE

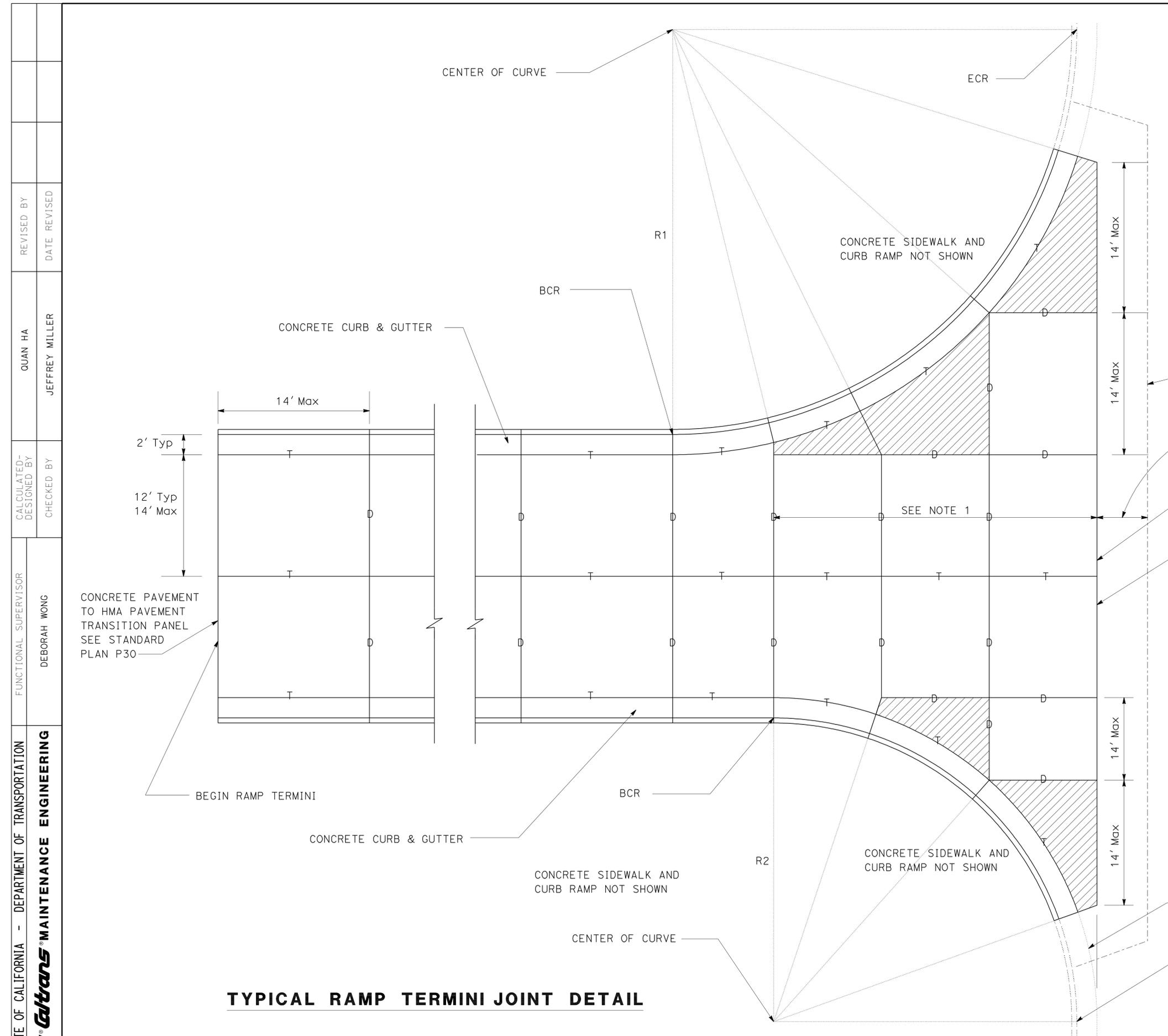
C-7

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	11	52

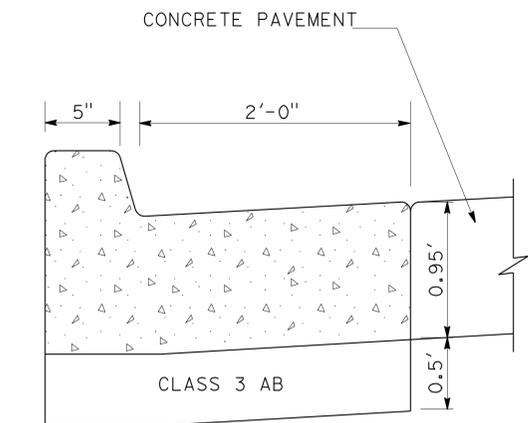
6-27-12
 REGISTERED CIVIL ENGINEER DATE
 8-6-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 JEFFREY MILLER
 No. 69162
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

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- ABBREVIATIONS:**
 D: DOWEL TRANSVERSE JOINT
 T: TIE BAR TRANSVERSE JOINT
- LEGEND:**
- REINFORCED CONCRETE SLAB #6 @ 9" BOTHWAY AT MID DEPTH
 - SAW CUT AC
 - REPLACE EXISTING AC 5' WIDE AND 3" MINIMUM DEPTH (WHEN EXISTING CONCRETE GUTTER DOES NOT EXIST)
 - END RAMP TERMINI
 - CONCRETE PAVEMENT TO HMA PAVEMENT TRANSITION PANEL SEE STANDARD PLAN P30 (THIS DETAIL DOES NOT APPLY WHEN CONFORMING TO EXISTING CONCRETE GUTTER)



CONCRETE CURB FOR RAMP TERMINI
 (MODIFIED B2 CURB)

CONSTRUCTION DETAILS
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Maintenance Engineering
 QUAN HA
 JEFFREY MILLER
 DEBORAH WONG
 REVISIONS:

TYPICAL RAMP TERMINI JOINT DETAIL

LAST REVISION DATE PLOTTED => 05-MAR-2013
 07-31-12 TIME PLOTTED => 22:28

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

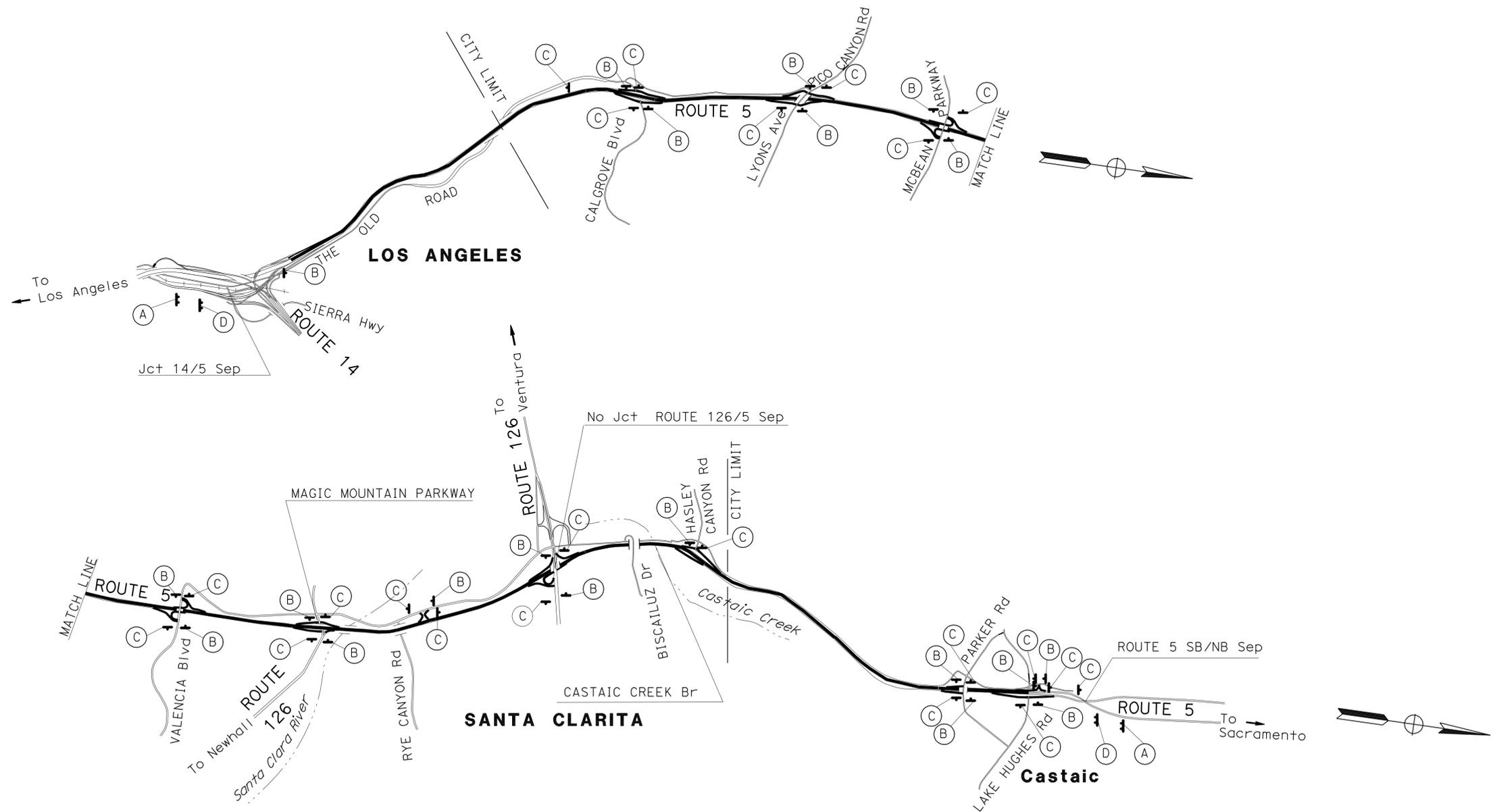
SIGN No.	SIGN CODE	DESCRIPTION SIGN MESSAGE	PANEL SIZE (in)	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
(A)	W20-1	ROAD WORK AHEAD	48 X 48	2-6" x 6"	2
(B)	W20-1	ROAD WORK AHEAD	30 x 30	1-4" x 6"	20
(C)	G20-2	END ROAD WORK	48 x 24	1-4" x 6"	21
(D)	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	144 x 60	2-6" x 6"	2
TOTAL					45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	12	52

Jeffrey Miller 6-27-12
 REGISTERED CIVIL ENGINEER DATE

8-6-12
 PLANS APPROVAL DATE

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CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

REVISIONS:
 REVISION NO. | DATE | BY | DESCRIPTION

JEFFREY MILLER
 AMBACHEW YIRGU

CALCULATED/DESIGNED BY
 CHECKED BY

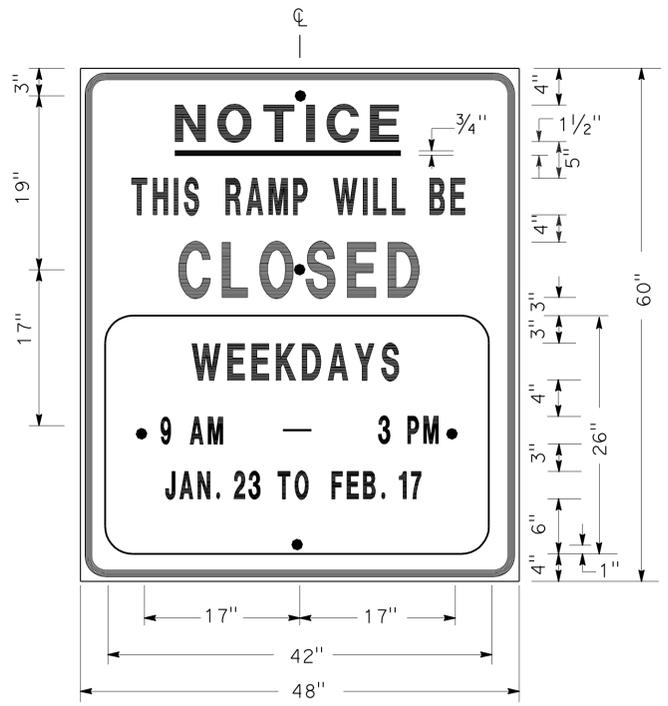
FUNCTIONAL SUPERVISOR
 DEBORAH WONG

DEPARTMENT OF TRANSPORTATION
 MAINTENANCE ENGINEERING

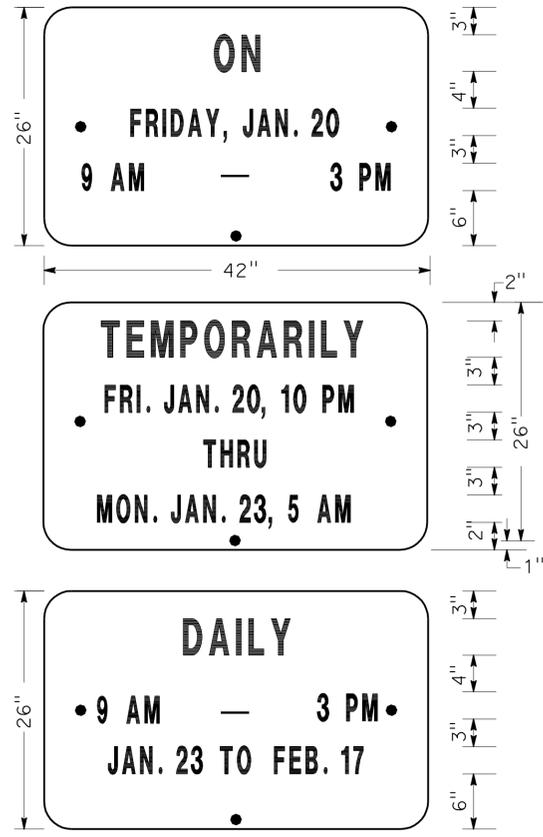
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	13	52

REGISTERED CIVIL ENGINEER: *Duydo* DATE: 1-26-12
 PLANS APPROVAL DATE: 8-6-12
 No. C68587 Exp. 9-30-13
 DENNIS DO
 CIVIL
 STATE OF CALIFORNIA
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SIGN SP-1



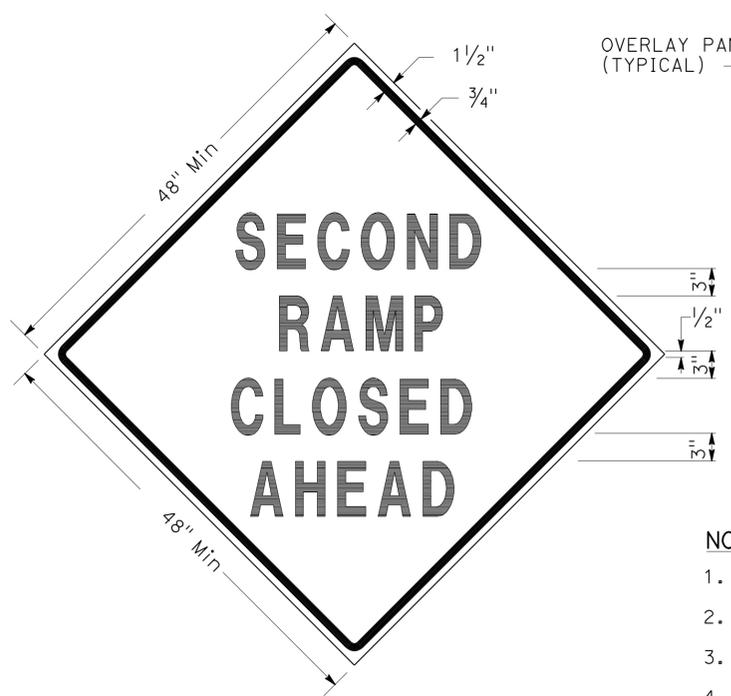
ALTERNATE OVERLAY PANELS (TYPICAL)

- NOTES:**(SIGN SP-1)
- SIGNS SHALL HAVE ORANGE RETROREFLECTORIZED BACKGROUND WITH BLACK BORDER AND LETTERS.
 - BOLT HOLES SHALL BE 3/8" DIAMETER.
 - BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
 - SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6' ABOVE GROUND.

SIZE	BORDER	MARGIN	LETTER SIZE					CORNER RADIUS
	WIDTH	WIDTH	LINE 1	LINE 2*	LINE 3	LINE 4	LINE 5,6 & 7*	
48"x60"	1 1/4"	3/4"	4E	4D	6E	4D		3"
42"x26"	OVERLAY						3D	1 1/2"

* CONDENSED SPACING IF NECESSARY

SPECIAL ADVANCE NOTICE PUBLICITY SIGN



SIGN SP-3

SPECIAL SIGN FOR EXIT RAMP CLOSURES

- NOTES:** (SIGNS SP-3 & SP-5)
- LETTERS - 6" SERIES D.
 - LETTERS AND BORDERS - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
 - BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
 - SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6' ABOVE GROUND.



SIGN SP-5



SIGN SP-4

- NOTES:** (SIGN SP-4)
- LETTERS - 6" SERIES C.
 - LETTERS AND BORDERS - BLACK ON RETROREFLECTORIZED WHITE BACKGROUND.
 - BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
 - SIGNS SHALL BE PLACED AT RAMP ENTRANCES IN ADDITION TO SIGNS POSTED IN ACCORDANCE WITH STANDARD PLAN T14.

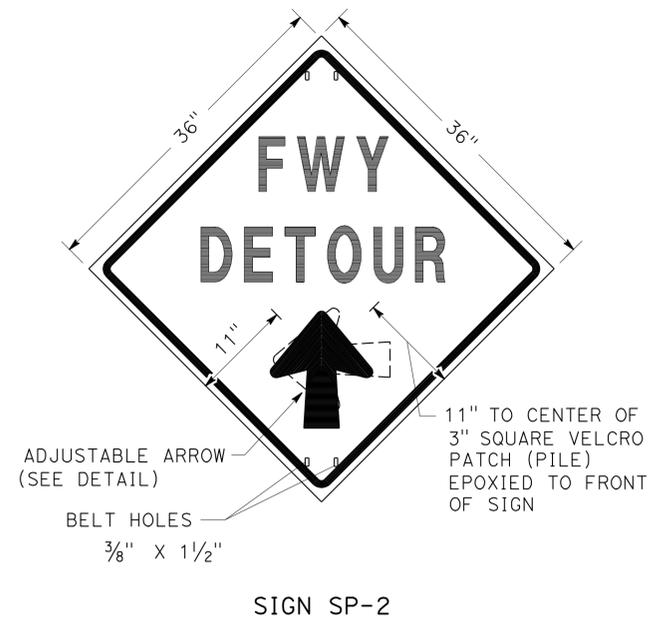
SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

**TRAFFIC HANDLING DETAILS
 TRAFFIC CONTROL SYSTEM
 FOR RAMP CLOSURES, DETOUR SIGNS
 AND MISCELLANEOUS DETAILS**

SHEET 1 OF 2

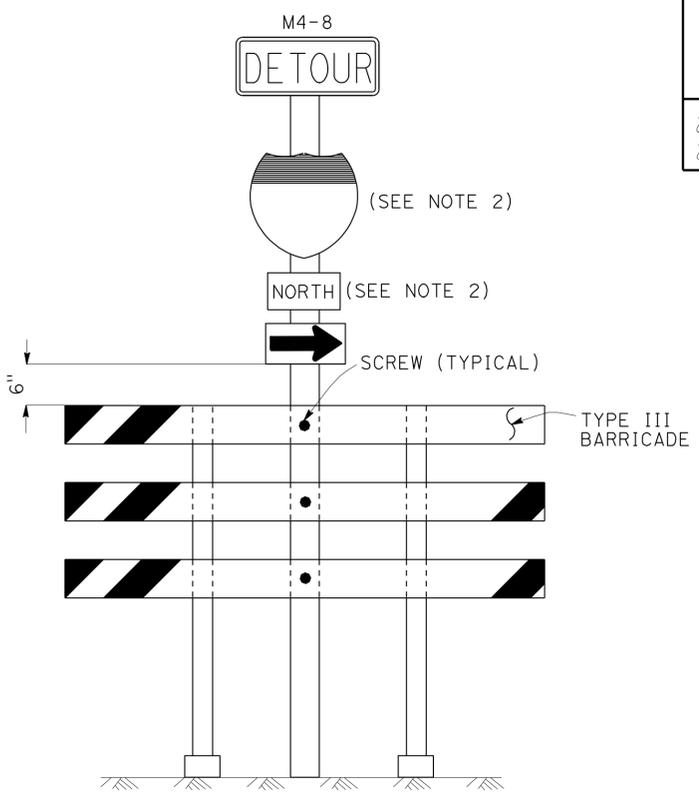
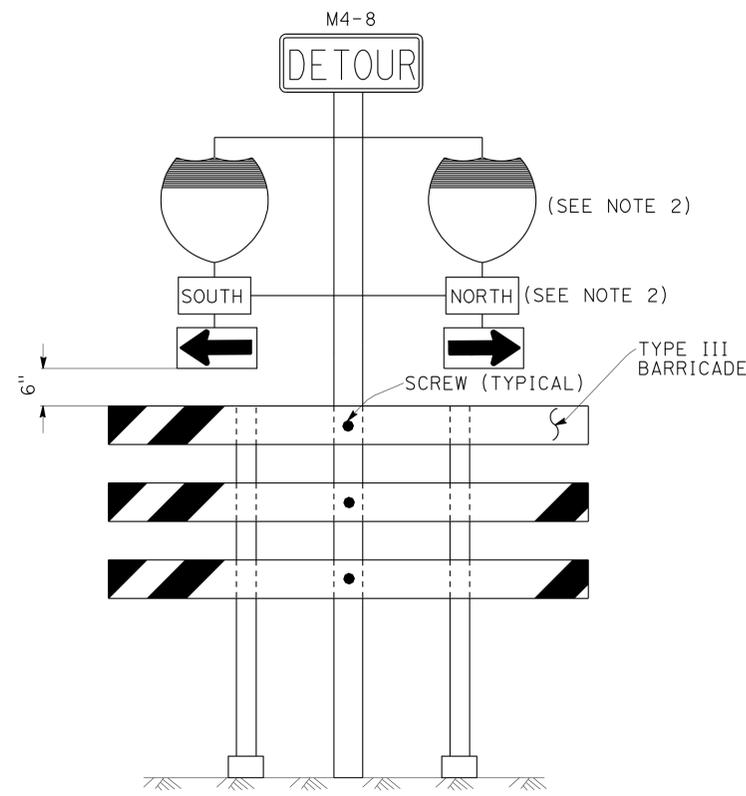
NO SCALE

THD-1



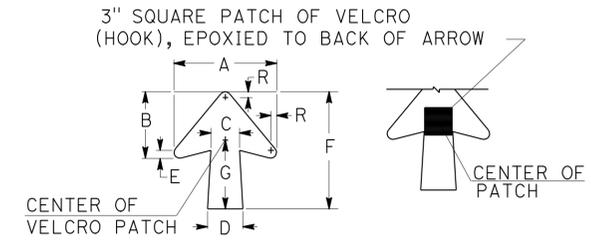
- NOTES:** (SIGN SP-2)
- LETTERS -6" SERIES E.
 - LETTERS, BORDER AND ARROW - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
 - BASE MATERIAL FOR SIGNS AND ARROWS SHALL BE ALUMINUM (MINIMUM 0.06").
 - BELTS (LUGGAGE STRAPS) SHALL BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
 - SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6' ABOVE GROUND EXCEPT AS OTHERWISE SHOWN ON OTHER TRAFFIC HANDLING DETAILS PLANS.

ABBREVIATION
 (CA) CALIFORNIA CODE



- NOTES:** (SIGNS SP-6 & SP-7)
- IN LIEU OF PLACING SIGNS ON TYPE III BARRICADES, SIGNS, INCLUDING POSTS, MAY BE PLACED INTO THE GROUND OR FASTENED ONTO ELECTROLIERS.
 - USE APPROPRIATE ROUTE SHIELD [G26-2(CA), G27-2(CA), G28-2(CA)] AND CARDINAL DIRECTION [NORTH (M3-1), SOUTH (M3-3), EAST (M3-2), WEST (M3-4)]

SPECIAL PORTABLE FREEWAY DETOUR SIGNS



DIMENSIONS							
A	B	C	D	E	F	G	R
11 1/4"	7 1/4"	3 1/8"	4"	7/8"	13"	7 1/2"	5/8"

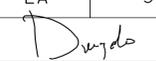
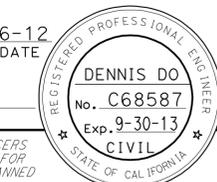
SPECIAL PORTABLE FREEWAY DETOUR SIGN

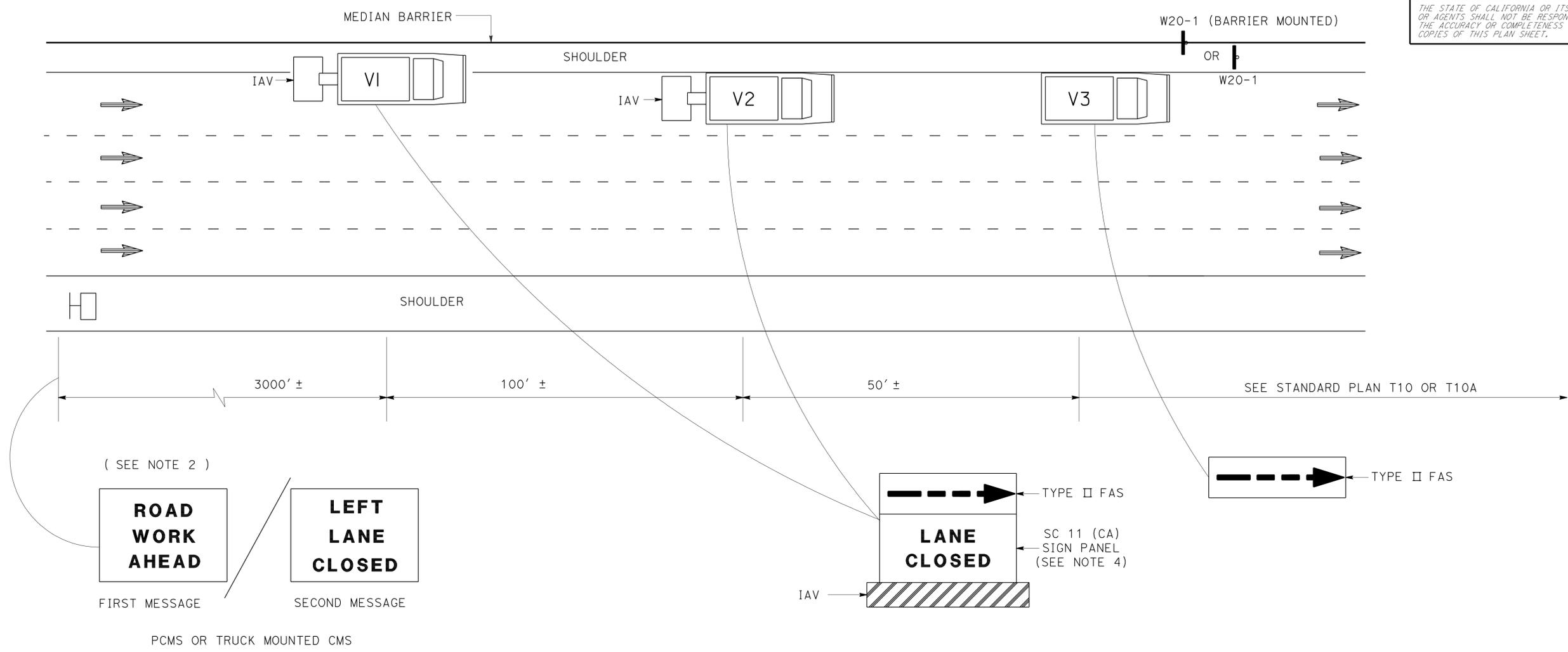
**TRAFFIC HANDLING DETAILS
 TRAFFIC CONTROL SYSTEM
 FOR RAMP CLOSURES, DETOUR SIGNS
 AND MISCELLANEOUS DETAILS
 SHEET 2 OF 2
 NO SCALE**

THD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: MARTIN OREGEL
 CHECKED BY: JOCELYN C CHIANG
 REVISIONS: 7/10
 DESIGNED BY: ALBERT K YU

LAST REVISION DATE PLOTTED => 05-MAR-2013 08-06-12 TIME PLOTTED => 22:28

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	15	52
 REGISTERED CIVIL ENGINEER			DATE		
			1-26-12		
			8-6-12		
			PLANS APPROVAL DATE		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
					



NOTES:

1. LANE CLOSURES SHALL NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
2. PCMS SHALL BE ACTIVATED PRIOR TO TRAFFIC CONTROL ACTIVITIES ON THE LANE.
3. A MINIMUM SIGHT DISTANCE OF 1500' SHALL BE PROVIDED IN ADVANCE OF PCMS.
4. VEHICLE-MOUNTED SIGN PANELS SHALL BE TYPE III OR IV RETROREFLECTORIZED SHEETING, BLACK ON WHITE OR BLACK ON ORANGE WITH 8" MINIMUM SERIES D LETTERS PER CALTRANS SIGN SPECIFICATIONS.

LEGEND

- V1, V2 SHADOW VEHICLE
- V3 WORK/APPLICATION VEHICLE
-  PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
-  DIRECTION OF TRAVEL
-  CONSTRUCTION AREA SIGN

ABBREVIATIONS

- FAS FLASHING ARROW SIGN
- IAV IMPACT ATTENUATOR VEHICLE
- CMS CHANGEABLE MESSAGE SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- (CA) CALIFORNIA CODE

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR MEDIAN SHOULDERS LESS THAN 8 FEET
NO SCALE**

THD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: MARTIN OREGEL
 CHECKED BY: JOCELYN C CHIANG
 REVISIONS: 7/10
 DESIGNED BY: ALBERT K YU
 DATE: 7/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	16	52
REGISTERED CIVIL ENGINEER			DATE		
8-6-12			1-26-12		
PLANS APPROVAL DATE			DATE		
Dennis Do			No. C68587		
Exp. 9-30-13			CIVIL		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					

NOTES:

1. WORDING DISPLAYED ON PCMS WILL BE APPROVED BY THE ENGINEER.
2. EXACT LOCATIONS OF PCMS WILL BE DETERMINED BY THE ENGINEER.
3. CHANGE PCMS MESSAGE AT THE BEGINNING OF CURE PERIOD TO REFLECT NUMBER OF CLOSED LANES.

ABBREVIATIONS

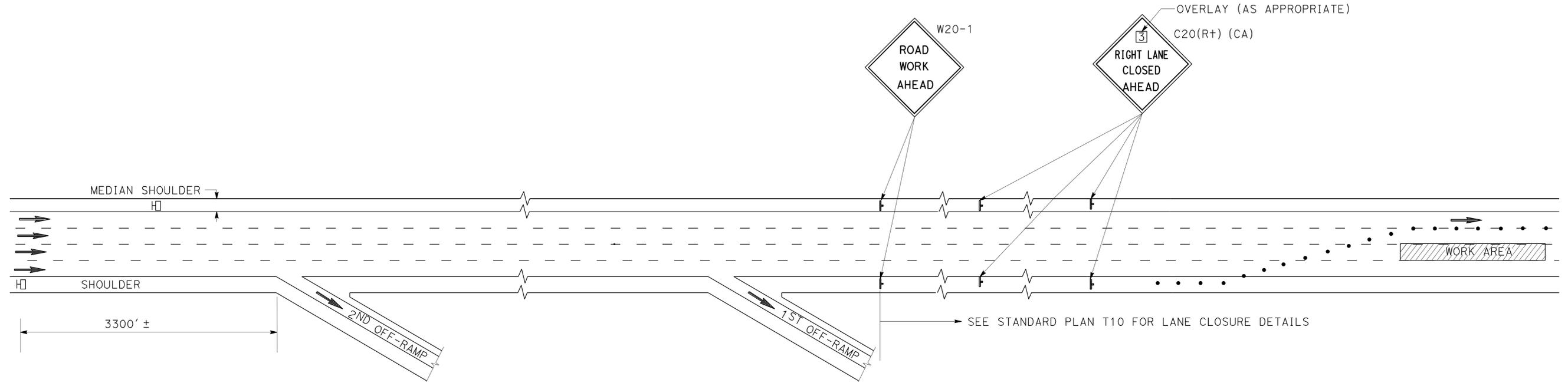
PCMS PORTABLE CHANGEABLE MESSAGE SIGN
(CA) CALIFORNIA CODE

LEGEND

- CONE
- ⊥ PORTABLE SIGN
- ➔ DIRECTION OF TRAVEL
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- (CA) CALIFORNIA CODE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®

FUNCTIONAL SUPERVISOR: MARTIN OREGEL
CHECKED BY: JOCELYN C CHIANG
DESIGNED BY: ALBERT K YU
REVISOR: JC
DATE: 7/10



FIRST FLASH MESSAGE	X (NO OF LANES) RIGHT / LEFT	1ST LINE (TYPICAL)
	LANES	2ND LINE (TYPICAL)
	CLOSED	3RD LINE (TYPICAL)
SECOND FLASH MESSAGE	A ST	LIMIT OF CLOSURE (TYPICAL)
	TO B DR	LIMIT OF CLOSURE (TYPICAL)

WORDING FOR PORTABLE CHANGEABLE MESSAGE SIGN

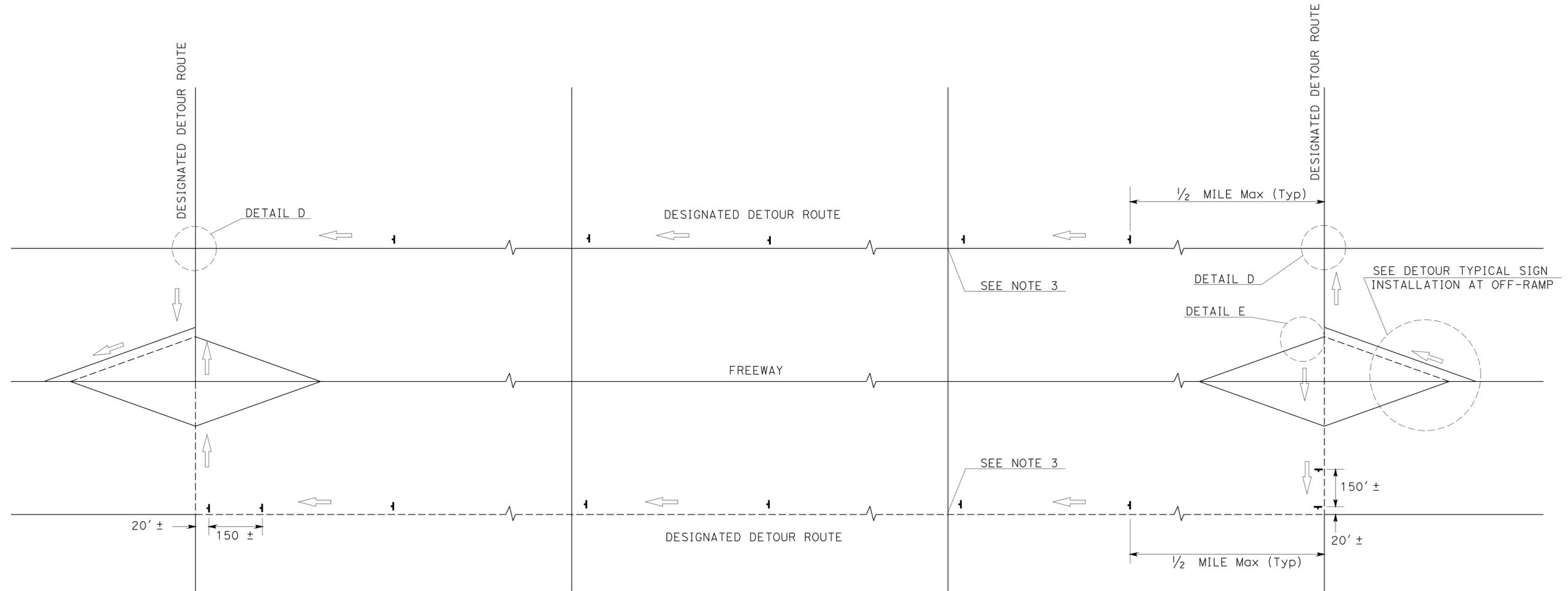
**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR CONCRETE PAVEMENT AND
APPROACH SLAB REPLACEMENT
NO SCALE**

THD-4

LAST REVISION: DATE PLOTTED => 05-MAR-2013 08-06-12 TIME PLOTTED => 22:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	17	52
			1-26-12	DATE	
REGISTERED CIVIL ENGINEER			DATE		
8-6-12			PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	DATE
DTM	MARTIN OREGEL	ALBERT K YU JOCELYN C CHIANG	JC	7/10



TYPICAL DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

LEGEND

- TEMPORARY SIGN (SP-2)
- AND/OR DESIGNATED DETOUR ROUTE
- DIRECTION OF TRAVEL

NOTES:

1. SP-2 SIGNS SHALL NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
2. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
3. SP-2 SIGNS SHALL BE POSTED AT SIGNALIZED INTERSECTIONS ALONG THE DESIGNATED DETOUR ROUTE OR 1/2 MILE MAXIMUM APART.

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR DETOUR SIGN INSTALLATION
ALONG DESIGNATED DETOUR ROUTE
SHEET 1 OF 2
NO SCALE**

THD-5

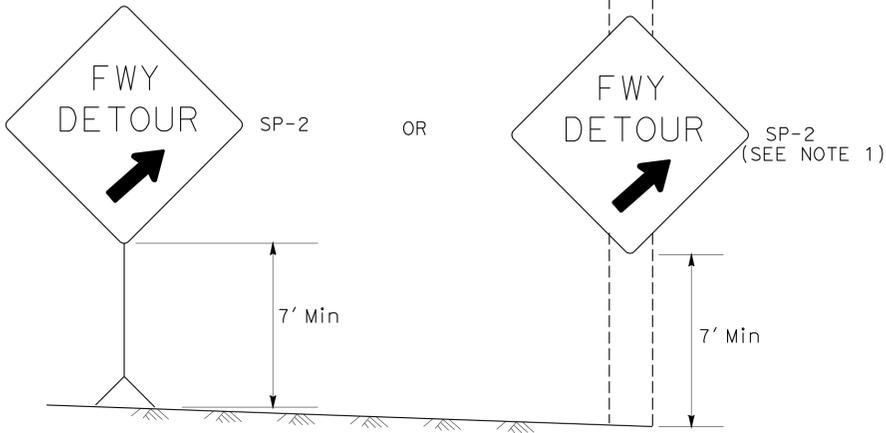
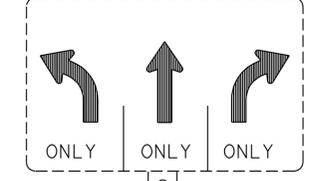
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	18	52
REGISTERED CIVIL ENGINEER			DATE	1-26-12	
8-6-12			PLANS APPROVAL DATE	Dennis DO	
No. C68587			Exp. 9-30-13		
CIVIL			STATE OF CALIFORNIA		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



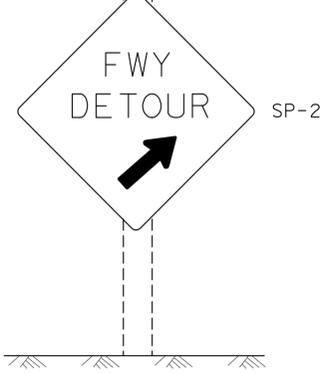
Exist E5-1, G84-2 (CA) OR G84-3 (CA)



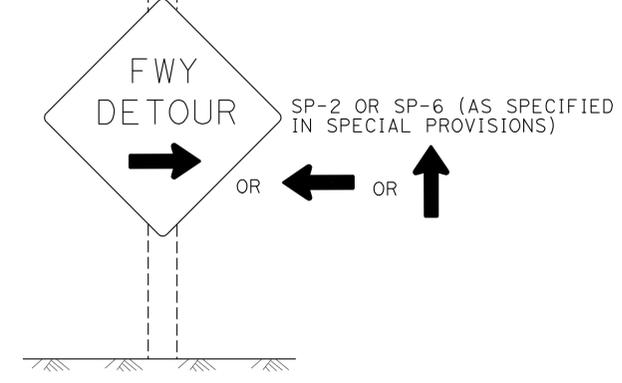
Exist R3-8 SERIES



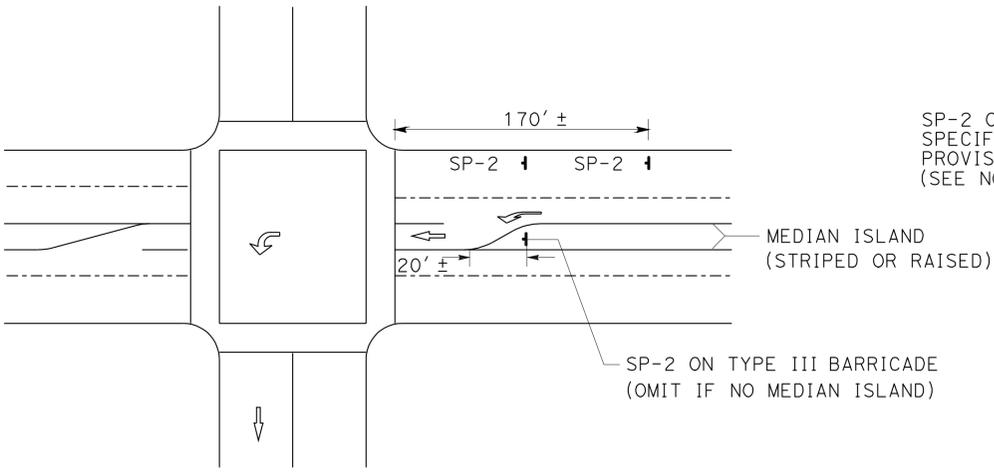
DETAIL A (SEE NOTE 3)



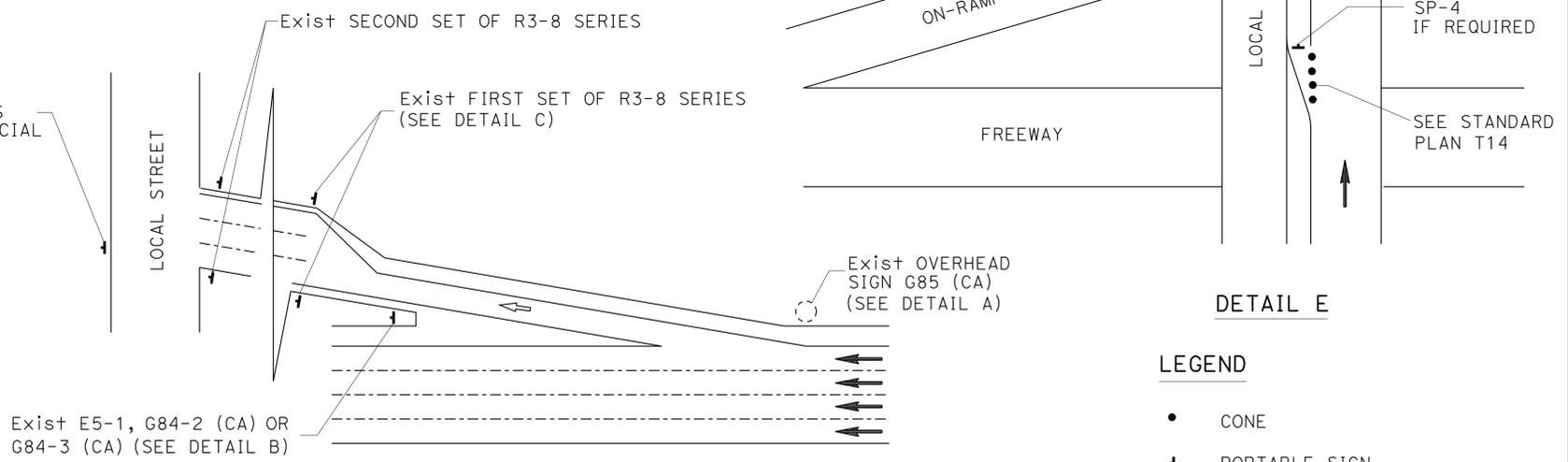
DETAIL B (SEE NOTE 3)



DETAIL C (SEE NOTES 4, 5, AND 6)



DETAIL D



DETAIL E

- LEGEND**
- CONE
 - ↑ PORTABLE SIGN
 - DIRECTION OF TRAVEL
 - ⇨ DETOUR DIRECTION
 - EXISTING OVERHEAD SIGN

TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

SIGN CODE LEGEND

XXYY-Y: FEDERAL SIGN CODE PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
 XXYY-Y (CA): CALIFORNIA SIGN CODE PER CALIFORNIA MUTCD

**TRAFFIC HANDLING DETAILS
 TRAFFIC CONTROL SYSTEM
 FOR DETOUR SIGN INSTALLATION
 ALONG DESIGNATED DETOUR ROUTE
 SHEET 2 OF 3**

NO SCALE

THD-6

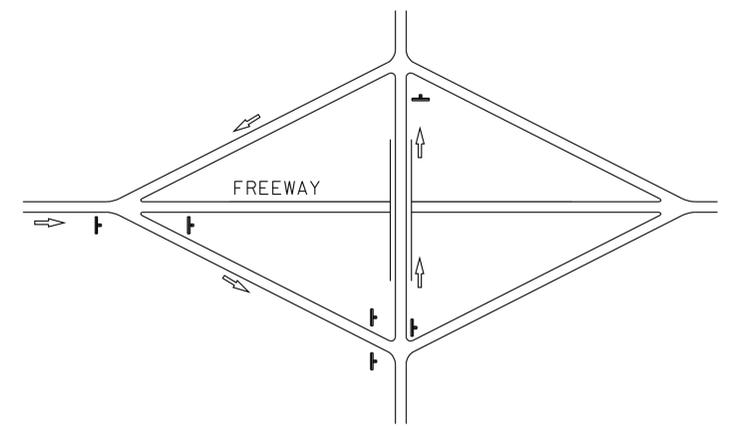
NOTES: SIGN SP-2

1. SP-2 SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
2. SP-2 SIGNS SHALL NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
3. OMIT DETAILS A AND B FOR FULL FREEWAY CLOSURES.
4. SEE TRAFFIC HANDLING DETAILS-TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS, AND MISCELLANEOUS DETAILS PLAN SHEET 2 OF 2 FOR SP-6 SIGN DETAILS.
5. IF R3-8 SERIES SIGNS ARE NOT PRESENT AT THE OFF-RAMP, SP-2 OR SP-6 SIGNS SHALL BE FASTENED ONTO EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
6. EXCEPT FOR DETAILS A & B, OMIT SP-2 SIGNS IF RAMP HAS MANDATORY SINGLE MOVE.

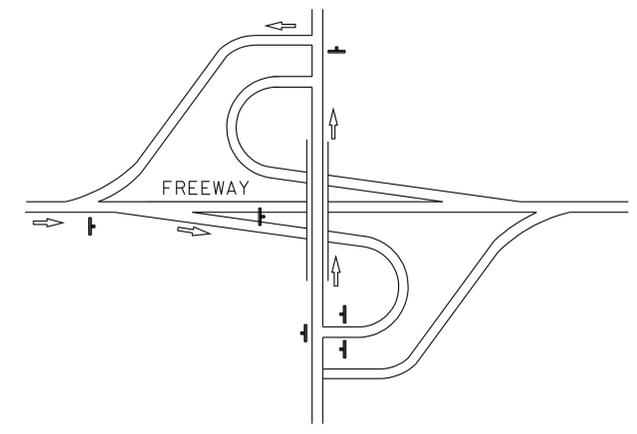
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DT M
 FUNCTIONAL SUPERVISOR: MARTIN OREGEL
 CHECKED BY: JOCELYN C CHIANG
 DESIGNED BY: ALBERT K YU
 DATE REVISED: 3/12
 REVISIONS: JC

LAST REVISION: DATE PLOTTED => 05-MAR-2013
 08-06-12 TIME PLOTTED => 22:29

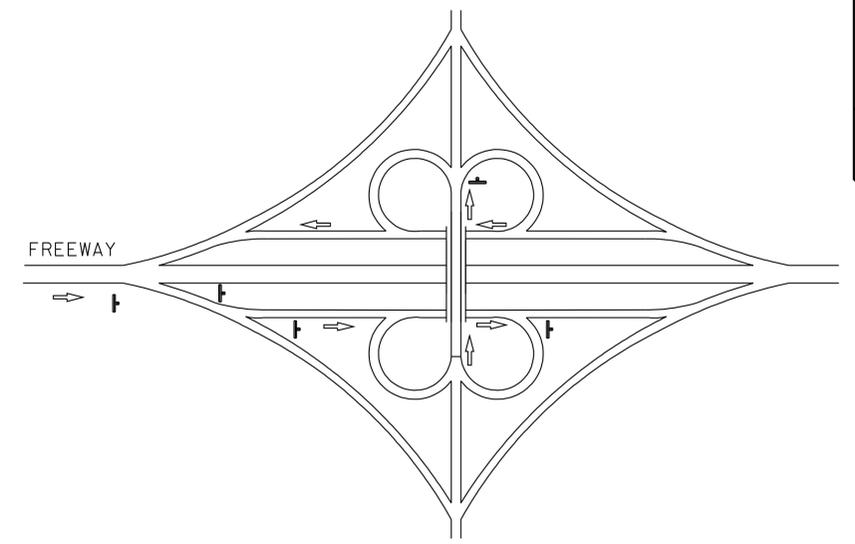
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DT M
 FUNCTIONAL SUPERVISOR: MARTIN OREGEL
 REVISIONS: JC 3/12
 REVISOR: ALBERT K YU
 CHECKED BY: JOCELYN C CHIANG
 DESIGNED BY:



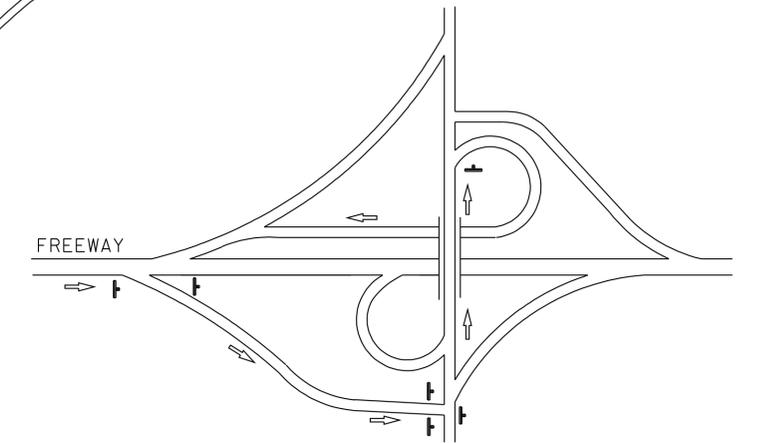
TYPE I



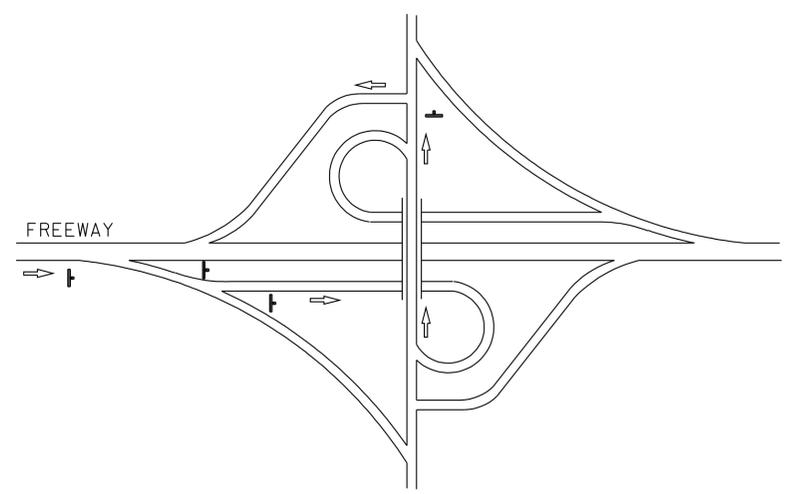
TYPE II



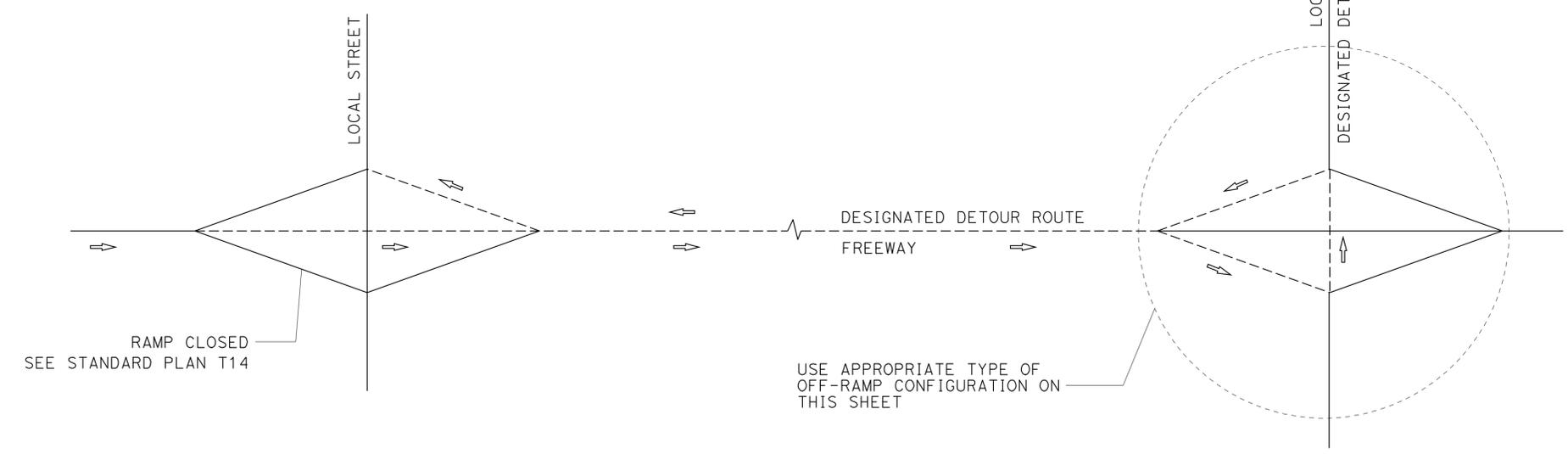
TYPE III



TYPE IV



TYPE V



TYPE OF OFF-RAMP CONFIGURATION	MINIMUM No. OF SP-2
TYPE I	6
TYPE II	6
TYPE III	5
TYPE IV	6
TYPE V	4

TYPICAL DETOUR SIGN INSTALLATION FOR OFF-RAMP CLOSURE

NOTES:

- FOR RAMP CONFIGURATIONS NOT SHOWN, THE EXACT LOCATIONS AND MINIMUM NUMBER OF SP-2 SIGNS SHALL BE DETERMINED BY THE ENGINEER.
- SEE TRAFFIC HANDLING DETAILS-TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS, AND MISCELLANEOUS DETAILS PLAN SHEET 2 OF 2 FOR SP-2 SIGN DETAILS.

LEGEND

- SIGN SP-2
- DETOUR DIRECTION
- DESIGNATED DETOUR ROUTE

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR DETOUR SIGN INSTALLATION
ALONG DESIGNATED DETOUR ROUTE
SHEET 3 OF 3**

NO SCALE

THD-7

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	20	52

6-27-12
 REGISTERED CIVIL ENGINEER DATE
 8-6-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 JEFFREY MILLER
 No. 69162
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR
 THE ACCURACY OR COMPLETENESS OF SCANNED
 COPIES OF THIS PLAN SHEET.

LEGEND:
* = SEE PDQ-2 FOR GRAND TOTAL

MAINLINE (COLD PLANE AND OVERLAY SECTION)								
LOCATION		THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER			REMOVE PAVEMENT MARKERS
		DETAIL 27B	DETAIL 25A	DETAIL 13 (Mod)	RETROREFLECTIVE		NON-REFLECTIVE TYPE A	
		4" SOLID WHITE	4" SOLID YELLOW	4" BROKEN WHITE (36-12)	TYPE G	TYPE H		
PM		LF	LF	LF	EA	EA	EA	EA
NORTHBOUND								
R45.40	R45.55	792	792			37		37
R45.55	R45.63	417	417	1,251	30	20	115	165
R45.63	R48.08	12,936	12,936			594		594
R48.08	R49.07	5,217	5,217	15,650	360	240	1,435	2,035
R49.07	R51.09	10,671	10,671			490		490
R51.09	R51.26	876	876	2,629	61	41	241	344
R51.26	R55.58	22,831	22,831			1,048		1,048
R55.58	R55.61	153	153	459	12	8	42	62
R55.61	R59.53	20,676	20,676			949		949
R59.53	R59.55	106	106	317	8	6	29	43
R59.55	R59.58	158	158			8		8
R59.58	R59.70	660	660	1,980	46	31	182	259
SOUTHBOUND								
R50.00	R50.48	2,540	2,540			118		118
R50.48	R51.27	4,145	4,145	12,434	286	191	1,140	1,617
R51.27	R51.57	1,610	1,610			75		75
R51.57	R52.83	6,632	6,632	19,895	457	305	1,824	2,586
R52.83	R55.56	14,430	14,430			662		662
R55.56	R55.59	180	180	539	13	9	49	72
R55.59	R59.41	20,159	20,159			925		925
R59.41	R59.45	174	174	523	13	9	48	70
R59.45	R59.47	132	132			7		7
R59.47	R59.49	106	106	317	8	6	29	43
R59.49	R59.70	1,109	1,109			52		52
SUBTOTAL		126,710	126,710	55,994	1,294	5,831	5,134	12,261
TOTAL		253,420		55,994	7,125		5,134	12,261
TOTAL ISR		7,935		16,515	420		1,378	0
SHEET TOTAL		261,355 *		72,509	7,545 *		6,512	12,261 *

MAINLINE (INDIVIDUAL SLAB REPLACEMENT)								
LOCATION		THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER			
		DETAIL 27B	DETAIL 25A	DETAIL 13 (Mod)	RETROREFLECTIVE		NON-REFLECTIVE TYPE A	
FROM	TO	4" SOLID WHITE	4" SOLID YELLOW	4" BROKEN WHITE (36-12)	TYPE G	TYPE H		
PM	PM	LF	LF	LF	EA	EA	EA	
NORTHBOUND								
R45.40	R45.55	45	30	135	4	2	11	
R45.63	R48.08	705	150	1,545	36	4	129	
R49.07	R51.09	525	225	1,425	35	6	119	
R51.26	R55.58	1,185	150	3,135	69	4	261	
R5.61	R59.53	1,110	285	3,135	72	7	261	
R59.55	R59.58	15		30	2		3	
SOUTHBOUND								
R50.00	R50.48	150	75	375	10	3	31	
R51.27	R51.57	105	30	270	7	2	23	
R52.83	R55.56	975	225	2,610	60	6	218	
R55.59	R59.41	1,650	150	3,600	79	4	300	
R59.45	R59.47			30	2		3	
R59.49	R59.70	150		225	6		19	
SUBTOTAL		6,615	1,320	16,515	384	37	1,378	
TOTAL		7,935		16,515	420		1,378	

PAVEMENT DELINEATION QUANTITIES

PDQ-1

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
 Maintenance Engineering
 FUNCTIONAL SUPERVISOR DEBORAH WONG
 CALCULATED/DESIGNED BY CHECKED BY
 AMBACHEW YIRGU JEFFREY MILLER
 REVISED BY DATE REVISED

LAST REVISION DATE PLOTTED => 05-MAR-2013 08-06-12 TIME PLOTTED => 22:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	21	52

6-27-12
 REGISTERED CIVIL ENGINEER DATE
 8-6-12
 PLANS APPROVAL DATE

JEFFREY MILLER
 No. 69162
 Exp. 6-30-14
 CIVIL

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RAMPS

DIRECTION	LOCATION	4" WHITE THERMOPLASTIC	4" YELLOW THERMOPLASTIC	4" WHITE THERMOPLASTIC (BROKEN 17-7)	4" WHITE THERMOPLASTIC (BROKEN 17-7)	8" WHITE THERMOPLASTIC	8" YELLOW THERMOPLASTIC	8" WHITE PAVEMENT MARKING	8" YELLOW PAVEMENT MARKING	TYPE I ARROW 10'	TYPE I ARROW 18'	TYPE I ARROW 24'	TYPE II ARROW	TYPE III ARROW	TYPE IV ARROW	TYPE V ARROW	TYPE VI ARROW 8'	TYPE VI ARROW 18'	TYPE VII ARROW	STOP	SIGNAL	AHEAD	PAVEMENT MARKER (RETROREFLECTIVE)	REMOVE PAVEMENT MARKER	
		Det 27B	Det 25A	Det 9	Det 8																				
		LF	LF	LF	LF	LF	LF	LF	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	SQFT	EA
NB	CALGROVE Blvd OFF	1,051	734	96		320		48					118	42		99					66	31	2	2	
NB	CALGROVE Blvd ON	1,030	695	316	150	195					50												7	7	
NB	LYONS Ave OFF	1,053	890			307																64	62		
NB	LYONS Ave ON	926	610	327		280					50												7	7	
NB	McBEAN PARKWAY OFF	1,214	898			1,039		87							120	99					32	31			
NB	EB McBEAN PARKWAY ON	1,009	617		208	132		145			25														
NB	WB McBEAN PARKWAY ON	1,302	752		212	305		73			25														
NB	VALENCIA Blvd OFF	1,195	780	992		114								336		99						64	62	21	21
NB	VALENCIA Blvd NB ON	1,007	589		172	328					25	62													
NB	OFF TO WB 126	1,182	750	1,300		284																		27	27
NB	ON FROM EB 126	1,477	814			765						31													
NB	ON FROM WB 126	2,514	1,443	2,353		788						62						126						49	49
NB	PARKER Rd OFF	1,068	793			276		145						84		33					66	31			
NB	LAKE HUGHES Rd OFF	1,410	1,085	592		276		170					90	84		66					99			12	12
NB	LAKE HUGHES Rd ON	1,023	872		146	140		112			50														
SUBTOTAL		18,461	12,322	5,976	888	5,549		780			380		208	882	120	495		126			231	160	217	125	125
TOTAL		30,783	12,322	6,864	888	5,549		780			380		208	882	120	495		126			231	160	217	125	125
SB	CALGROVE Blvd ON	1,095	696	305		100			90		75													6	6
SB	CALGROVE Blvd OFF	1,182	854	556		130		50			50							30				66		12	12
SB	EB LYONS Ave ON	1,927	1,136			130		50			50													9	9
SB	LYONS Ave ON	1,094	631	430		260	55	120			50													8	8
SB	LYONS Ave OFF	1,106	850	400		150		100			25					99	30		27					12	12
SB	EB McBEAN PARKWAY ON	1,364	620	577		130		25			25													4	4
SB	WB McBEAN PARKWAY ON	1,098	531	214		100		25			25													4	4
SB	McBEAN PARKWAY OFF	1,334	810	331		100									66						32	31	7	7	
SB	EB VALENCIA Blvd ON	1,920	1,214	551	55	40		30		14														11	11
SB	WB VALENCIA Blvd ON	1,428	762	680		46						62					30							14	14
SB	VALENCIA Blvd OFF	1,390	1,138	238										378		66								5	5
SB	RYE CANYON ON	689	334	146		120		100																3	3
SB	RYE CANYON OFF	1,028	635	286																				3	3
SB	ON FROM EB 126	2,413	1,173	1,970								62												3	3
SB	ON FROM WB 126	1,620	664									31												19	19
SB	OFF TO 126	1,489	935	525										336		66								11	11
SB	PARKER Rd ON	1,100	800	280		160		150																6	6
SB	LAKE HUGHES Rd ON	424	326			160		25			25														
SB	LAKE HUGHES Rd OFF	1,045	504	560		128		150						84		66								12	12
SUBTOTAL		24,746	14,613	8,049	55	1,524	55	650	90		394		179	840		429	90		27	132	128	124	148	148	
SB TOTAL		39,359	14,613	8,104	55	1,579	55	650	90		394		179	840		429	90		27	132	128	124	148	148	
NB TOTAL		30,783	12,322	6,864	888	5,549		780			380		208	882	120	495		126			231	160	217	125	125
TOTAL		70,142	26,935	14,968	943	11,123	55	1,430	90		788		387	1,722	240	990		252		269	288	441	273	273	
TOTAL FROM PDQ-1		261,355																						7,545	12,261
GRAND TOTAL		331,497	26,935	14,968	943	11,123	55	1,430	90		788		387	1,722	240	990		252		269	288	441	7,818	12,534	

PAVEMENT DELINEATION QUANTITIES

PDQ-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	22	52

6-27-12
 REGISTERED CIVIL ENGINEER DATE
 8-6-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 JEFFREY MILLER
 No. 69162
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND:

(N) = NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

ABBREVIATION:

RSC RAPID STRENGTH CONCRETE

SUMMARY OF ROADWAY QUANTITIES															
SOUTHBOUND LANES									NORTHBOUND LANES						
SLAB LOCATION	NUMBER OF SLABS (N)				INDIVIDUAL SLAB REPLACEMENT (RSC)	GRIND EXISTING CONCRETE PAVEMENT	DOWEL BAR (DRILL AND BOND)	SLAB LOCATION	NUMBER OF SLABS (N)				INDIVIDUAL SLAB REPLACEMENT (RSC)	GRIND EXISTING CONCRETE PAVEMENT	DOWEL BAR (DRILL AND BOND)
	LANE No.								LANE No.						
	1	2	3	4					1	2	3	4			
PM	EA	EA	EA	EA	CY	SQYD	EA	PM	EA	EA	EA	EA	CY	SQYD	EA
R50.00/R50.48	5	5	10	10	145	600	480	R45.40/R45.55	2	2	4	3	53	220	176
R51.27/R51.57	2	3	8	7	97	400	320	R45.63/R48.08	10	11	45	47	554	2,260	1,808
R52.83/R55.56	15	20	89	65	927	3,780	3,024	R49.07/R51.09	15	20	40	35	532	2,200	1,760
R55.59/R59.41	10	10	110	105	1,165	4,700	3,760	R51.26/R55.58	10	10	105	75	990	4,000	3,200
R59.45/R59.47			2		10	40	32	R55.61/R59.53	19	20	110	74	1,095	4,460	3,568
R59.49/R59.70			5	10	75	300	240	R59.55/R59.58			1	1	10	40	32
TOTAL	491				2,419	9,820	7,856	TOTAL	659				3,234	13,180	10,544

LOCATION	INDIVIDUAL SLAB REPLACEMENT (RSC)	GRIND EXISTING CONCRETE PAVEMENT	DOWEL BAR (DRILL AND BOND)
	CY	SQYD	EA
NORTHBOUND	3,234	13,180	10,544
SOUTHBOUND	2,419	9,820	7,856
TOTAL	5,653	23,000	18,400

SUMMARY OF QUANTITIES

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR JEFFREY MILLER
 CALCULATED/DESIGNED BY CHECKED BY
 AMBACHEW YIRGU JEFFREY MILLER
 REVISED BY DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	23	52

6-27-12
 REGISTERED CIVIL ENGINEER DATE
 8-6-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JEFFREY MILLER
 No. 69162
 Exp. 6-30-14
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 STATE OF CALIFORNIA

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ROADWAY QUANTITIES

LOCATION PM		COLD PLANE ASPHALT CONCRETE PAVEMENT	HOT MIX ASPHALT (TYPE C)	HOT MIX ASPHALT	TACK COAT
		SQYD	TON	TON	TON
NORTHBOUND					
R45.40	R45.55	1,760		178	0.3
R45.55	R45.63	3,244	313	94	0.5
R45.63	R48.08	28,747		2,911	4.8
R48.08	R49.07	40,574	3,912	1,174	6.8
R49.07	R51.09	23,713		2,401	4.0
R51.09	R51.26	6,817	657	197	1.1
R51.26	R55.58	50,735		5,137	8.5
R55.58	R55.61	1,191	115	34	0.2
R55.61	R59.53	45,948		4,652	7.7
R59.53	R59.55	821	79	24	0.1
R59.55	R59.58	352		36	0.1
R59.58	R59.70	5,133	495	149	0.9
SOUTHBOUND					
R50.00	R50.48	5,644		571	0.9
R50.48	R51.27	32,237	3,109	933	5.4
R51.27	R51.57	3,579		362	0.6
R51.57	R52.83	51,580	4,974	1,492	8.6
R52.83	R55.56	32,067		3,247	5.3
R55.56	R55.59	1,396	135	40	0.2
R55.59	R59.41	44,798		4,536	8.6
R59.41	R59.45	1,355	131	39	0.2
R59.45	R59.47	293		30	0.1
R59.47	R59.49	821	79	24	0.1
R59.49	R59.70	2,464		249	0.4
TOTAL		385,270 *	13,999 *	28,510 *	64.3 *

LEGEND:

* =SEE Q-3 FOR GRAND TOTAL

CURB RAMPS

LOCATION	DESCRIPTION	REMOVE CONCRETE (MISCELLANEOUS)	ROADWAY EXCAVATION	MINOR CONCRETE (CURB, SIDEWALK & CURB RAMP)	CURB RAMP DETECTABLE WARNING SURFACE	ROCK BLANKET
		CY	CY	CY	SQFT	SQYD
1	McBEAN PARKWAY FROM NB 5 OFF RAMP	12.0	12.0	12.0		
2	EB McBEAN PARKWAY TO NB 5 ON RAMP	12.0	12.0	12.0		
3	WB McBEAN PARKWAY TO NB 5 ON RAMP (RIGHT)	13.0	12.0	13.0		
4	WB McBEAN PARKWAY TO NB 5 ON RAMP (LEFT)	13.0	13.0	13.0		
5	WB McBEAN PARKWAY TO SB 5 ON RAMP	14.0	14.0	14.0		5.0
6	EB McBEAN PARKWAY TO SB 5 ON RAMP (RIGHT)	13.0	13.0	13.0		
7	EB McBEAN PARKWAY TO SB 5 ON RAMP (LEFT)	14.0	14.0	14.0		
8	VALENCIA Blvd FROM NB OFF RAMP				15	
9	VALENCIA Blvd TO NB 5 ON RAMP				15	
10	EB VALENCIA Blvd TO SB 5 ON RAMP (LEFT)				15	
11	WB VALENCIA Blvd TO SB 5				15	
12	VALENCIA BLVD FROM SB 5 OFF RAMP				15	
13	WB LAKE HUGHES ROAD TO NB 5 ON RAMP (RIGHT)				15	
14	WB LAKE HUGHES ROAD TO NB 5 ON RAMP (LEFT)				15	
TOTAL		91.0*	91.0*	91.0	105	5.0

SUMMARY OF QUANTITIES

Q-2

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR DEBORAH WONG
 CALCULATED/DESIGNED BY CHECKED BY
 AMBACHEW YIRGU JEFFREY MILLER
 REVISED BY DATE REVISED
 x x x x x

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	24	52

6-27-12
 REGISTERED CIVIL ENGINEER DATE
 8-6-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 JEFFREY MILLER
 No. 69162
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ABBREVIATION:

RSC = RAPID STRENGTH CONCRETE

JPCP = JOINTED PLAIN CONCRETE PAVEMENT

LCBRS = LEAN CONCRETE BASE RAPID SETTING

RAMPS								
DIRECTION	LOCATION	TRAVELED WAY			DIKES			
		HMA (TYPE C)	TACK COAT	COLD PLANE ASPHALT CONCRETE PAVEMENT	HMA DIKE (TYPE C)	HMA DIKE (TYPE F)	HMA	REMOVE AC DIKE
		TON	TON	SQYD	LF	LF	TON	LF
NB	CALGROVE Blvd OFF	307.0	0.4	3,032				
NB	CALGROVE Blvd ON	286.1	0.4	2,825	720		0.2	720
NB	LYONS Ave OFF	371.3	0.5	3,667	1,360		0.4	1,360
NB	LYONS Ave ON	232.3	0.3	2,295				
NB	McBEAN PARKWAY OFF	324.6	0.4	3,206	910		0.3	910
NB	EB McBEAN PARKWAY ON	231.8	0.3	2,290	1,210		0.3	1,210
NB	WB McBEAN PARKWAY ON	189.3	0.2	1,870	1,430		0.4	1,430
NB	VALENCIA Blvd OFF	447.8	0.6	4,493	1,055	200	0.4	1,255
NB	VALENCIA Blvd ON	319.7	0.4	3,157				
NB	OFF TO 126	469.1	0.6	4,633		327		327
NB	ON FROM EB 126	432.4	0.5	4,271	180	493	0.3	673
NB	ON FROM WB 126	1,018.5	1.3	10,060	1,230	269	0.5	1,499
NB	PARKER Rd OFF	291.8	0.4	2,882	775	72	0.3	
NB	LAKE HUGHES Rd OFF	412.1	0.5	4,070	1,180	140	0.4	1,320
NB	LAKE HUGHES Rd ON	350.2	0.4	3,459	1,990		0.6	1,990
	NB TOTAL	5,684.0	7.2	56,210	12,040	1,501	4.1	13,541
SB	CALGROVE Blvd ON	254.1	0.3	2,510				
SB	CALGROVE Blvd OFF	340.0	0.4	3,358	1,340		0.4	1,340
SB	EB LYONS Ave ON	497.3	0.6	4,912				
SB	LYONS Ave ON	428.2	0.5	4,229	1,160		0.3	1,160
SB	LYONS Ave OFF	373.8	0.5	3,692				
SB	EB McBEAN PARKWAY ON	242.8	0.3	2,398	1,040		0.3	1,040
SB	WB McBEAN PARKWAY ON	305.5	0.4	3,017	1,300		0.4	1,300
SB	McBEAN PARKWAY OFF	326.5	0.4	3,225				
SB	EB VALENCIA Blvd ON	568.0	0.7	5,610	940	600	0.6	1,540
SB	WB VALENCIA Blvd ON	528.4	0.7	5,218	1,180		0.3	1,180
SB	VALENCIA Blvd OFF	470.7	0.6	4,649	250		0.1	250
SB	RYE CANYON ON	183.9	0.2	1,816	240	1,090	0.6	1,330
SB	RYE CANYON OFF	304.6	0.4	3,009		68	0.1	68
SB	OFF TO 126	368.5	0.5	3,640		520	0.3	520
SB	ON FROM EB 126	800.6	1.0	7,907				
SB	ON FROM WB 126	643.8	0.8	6,359		480	0.2	480
SB	PARKER Rd ON	268.1	0.3	2,648	760	334	0.2	1,094
SB	LAKE HUGHES Rd On	125.2	0.2	1,237	130		0.4	130
SB	LAKE HUGHES Rd Off	273.4	0.3	2,700				
	SB SUBTOTAL	7,303.4	9.1	72,134	8,340	3,092	4.2	11,432
	NB TOTAL	5,684.0	7.2	56,210	12,040	1,501	4.1	13,541
	TOTAL	12,987.4	16.3	128,344	20,380	4,593	8.3	24,973
	TOTAL FROM Q-2	13,999.0	64.3	385,269			28,510.0	
	GRAND TOTAL	26,986.4	80.6	513,613	20,380	4,593	28,513.3	24,973

RAMP TERMINI								
DIRECTION	LOCATION	JPCP (RAMP TERMINI WITH RSC)	LCB RS	CLASS 3 AB	ROADWAY EXCAVATION	MINOR CONCRETE (CURB AND GUTTER)	SEAL PAVEMENT JOINT	REMOVE CONCRETE (MISCELLANEOUS)
		CY	CY	CY	CY	CY	LF	CY
NB	CALGROVE Blvd OFF	75.4	39.7	69.4	197.0	29.2	1,080	16.7
NB	LAKE HUGHES Rd OFF	77.6	40.8	71.1	202.0	29.2	1,080	16.7
	SUBTOTAL	153.0	80.5	140.5	399.0	58.4	2,160	33.4
SB	CALGROVE Blvd OFF	72.2	38.0	67.1	189.8	29.2	1,080	16.7
SB	MCBEAN PARKWAY OFF	66.5	35.0	62.9	176.9	29.2	1,080	16.7
SB	RYE CANYON OFF	89.3	47.0	79.7	228.5	29.2	1,080	16.7
SB	LAKE HUGHES Rd OFF	88.0	46.3	78.8	225.6	29.2	1,080	16.7
	SUBTOTAL	316.0	166.3	288.5	820.8	116.8	4,320	66.8
	SHEET TOTAL	469.0	246.8	429.0	1,219.9	175.2	6,480	100.2
	TOTAL FROM Q-2				91.0			91.0
	GRAND TOTAL	469.0	246.8	429.0	1,340.9	175.2	6,480	191.0

WATER POLLUTION CONTROL QUANTITIES	
DESCRIPTION	EA
TEMPORARY DRAINAGE INLET PROTECTION	6

SUMMARY OF QUANTITIES

Q-3

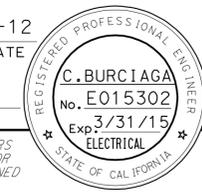
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 MAINTENANCE ENGINEERING
 JEFFREY MILLER
 DEBORAH WONG
 DEBORAH WONG
 DEBORAH WONG

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	25	52

 7-23-12
 REGISTERED ELECTRICAL ENGINEER DATE

8-6-12
 PLANS APPROVAL DATE

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 COPIES OF THIS PLAN SHEET.



MODIFY RAMP METERING SYSTEM

PM	LOCATION	SEE DETAIL A THIS SHEET FOR TYPICAL LOCATION OF LOOP DETECTORS											No. OF STUBOUT (REPLACE)		
		1	2	3	4	5	6	7	8	9	10	11			
48.88	SB ON RAMP FROM CALGROVE Blvd	X	X	X				X	X						3
48.91	NB OFF RAMP TO CALGROVE Blvd											X			1
49.21	SB OFF RAMP TO CALGROVE Blvd											X			1
49.22	NB ON RAMP FROM CALGROVE Blvd	X	X	X				X	X						3
50.18	SB ON RAMP FROM EB LYONS Ave/ PICO CANYON Rd	X	X	X	X	X	X	X	X	X	X				4
50.47	SB ON RAMP FROM LYONS Ave/ PICO CANYON Rd	X	X	X	X	X	X	X	X	X	X				4
50.64	SB OFF RAMP TO LYONS Ave/ PICO CANYON Rd										X	X			1
51.32	SB ON RAMP FROM EB MCBEAN Pkwy	X	X	X				X		X					3
51.46	SB ON RAMP FROM WB MCBEAN Pkwy	X	X	X				X		X					3
51.62	SB OFF RAMP TO MCBEAN Pkwy										X	X			1
52.3	NB OFF RAMP TO VALENCIA Blvd										X	X			1
52.46	NB ON RAMP FROM VALENCIA Blvd	X	X	X	X	X	X	X	X	X	X				4
52.46	SB ON RAMP FROM EB VALENCIA Blvd	X	X	X	X	X	X	X	X	X	X				4
52.49	SB ON RAMP FROM WB VALENCIA Blvd	X	X	X	X	X	X	X	X	X	X				4
52.62	SB OFF RAMP TO VALENCIA Blvd										X	X			1

X - INSTALL TYPE E INDUCTIVE LOOP DETECTOR. ABANDON EXISTING INDUCTIVE LOOP DETECTOR AT THE SAME LOCATION.

NOTES: (THIS SHEET ONLY)

1. NEW STUBOUTS SHALL BE 2". ABANDON EXISTING STUBOUTS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE EXISTING INDUCTIVE LOOP DETECTORS.
3. SPLICE NEW INDUCTIVE LOOP DETECTOR TO EXISTING dlc IN ADJACENT PULL BOX.
4. TAG EXISTING dlc IN ADJACENT PULL BOX AND AT CONTROLLER CABINET.



**TYPICAL INDUCTIVE LOOP DETECTOR CONFIGURATION
(FOR E-1 AND E-2)**

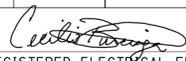
MODIFY RAMP METERING SYSTEM
NO SCALE

E-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: YI TSAU
 CALCULATED/DESIGNED BY: CECILIO BURCIAGA
 CHECKED BY:
 REVISED BY: FARIDA WAHMOOD
 DATE REVISED:

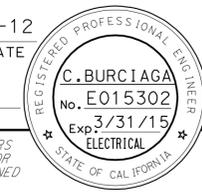
LAST REVISION: DATE PLOTTED => 05-MAR-2013
 08-06-12 TIME PLOTTED => 22:30

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	26	52

 7-23-12
 REGISTERED ELECTRICAL ENGINEER DATE

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2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE EXISTING INDUCTIVE LOOP DETECTORS.
3. SPLICE NEW INDUCTIVE LOOP DETECTOR TO EXISTING dlc IN ADJACENT PULL BOX.
4. TAG EXISTING dlc IN ADJACENT PULL BOX AND AT CONTROLLER CABINET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR YI TSAU
 CALCULATED/DESIGNED BY CHECKED BY
 FARIDA WAHMOOD CECILIO BURCIAGA
 REVISED BY DATE REVISED

MODIFY RAMP METERING SYSTEM															
PM	LOCATION	SEE DETAIL A SHEET E-1 FOR TYPICAL LOCATION OF LOOP DETECTORS											No. OF STUBOUT (REPLACE)		
		1	2	3	4	5	6	7	8	9	10	11			
54.39	SB ON RAMP FROM RYE CANYON Rd											X		1	
54.51	SB OFF RAMP TO RYE CANYON Rd												X	X	1
55.3	SB ON FROM EB ROUTE 126	X	X	X	X	X	X							1	
55.4	NB OFF RAMP TO EB ROUTE 126	X			X									1	
55.53	NB ON FROM EB ROUTE 126	X	X	X										1	
55.6	SB ON FROM WB ROUTE 126	X	X	X										1	
55.64	NB ON FROM WB ROUTE 126	X	X	X	X	X	X							1	
55.65	SB OFF RAMP TO WB ROUTE 126	X			X									1	
59.28	NB OFF RAMP TO LAKE HUGHES Rd											X	X	2	
59.53	SB ON RAMP FROM LAKE HUGHES Rd											X		1	
59.6	SB OFF RAMP TO LAKE HUGHES Rd											X	X	2	
59.7	NB ON RAMP FROM LAKE HUGHES Rd											X		1	

X - INSTALL TYPE E INDUCTIVE LOOP DETECTOR. ABANDON EXISTING INDUCTIVE LOOP DETECTOR AT THE SAME LOCATION.

MODIFY RAMP METERING SYSTEM
NO SCALE

LAST REVISION DATE PLOTTED => 05-MAR-2013
 08-06-12 TIME PLOTTED => 22:30

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

REVISOR BY
 DATE REVISED

FARIDA WAHMOOD
 CECILIO BURCIAGA

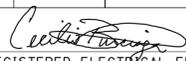
CALCULATED/DESIGNED BY
 CHECKED BY

FUNCTIONAL SUPERVISOR
 YI TSAU

NOTES: (THIS SHEET ONLY)

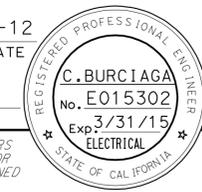
1. NEW STUBOUTS SHALL BE 2". ABANDON EXISTING STUBOUTS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE EXISTING INDUCTIVE LOOP DETECTORS.
3. SPLICE NEW INDUCTIVE LOOP DETECTOR TO EXISTING dlc IN ADJACENT PULL BOX.
4. TAG EXISTING dlc IN ADJACENT PULL BOX AND AT CONTROLLER CABINET.
5. FOR INDUCTIVE LOOP DETECTORS HOME RUN THAT HAS TO CUT UP TO THE MEDIAN PULL BOX, MAKE SURE THE PULL BOX LID IS SECURELY BOLTED, AFTER THE WORK IS COMPLETED.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	27	52

 7-23-12
 REGISTERED ELECTRICAL ENGINEER DATE

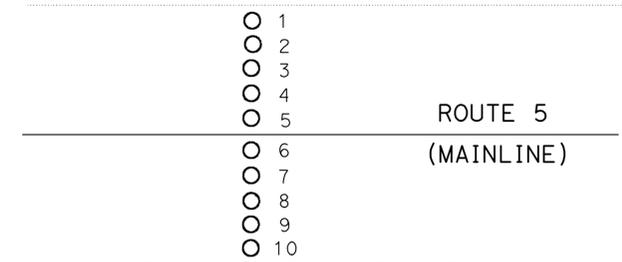
8-6-12
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



MODIFY RAMP METERING SYSTEM													
PM	LOCATION	SEE DETAIL B THIS SHEET FOR TYPICAL LOCATION OF LOOP DETECTORS										No. OF STUBOUT (REPLACE)	
		1	2	3	4	5	6	7	8	9	10		
59.7	NB ROUTE 5 AT LAKE HUGHES Rd						M	M	X	X			2

X - INSTALL TYPE E INDUCTIVE LOOP DETECTOR. ABANDON EXISTING INDUCTIVE LOOP DETECTOR AT THE SAME LOCATION.
 M - INSTALL TYPE E INDUCTIVE LOOP DETECTOR. INDUCTIVE LOOP HOME RUN SHALL BE CUT UP TO MEDIAN PULL BOX. ABANDON EXISTING INDUCTIVE LOOP DETECTOR AT THE SAME LOCATION.

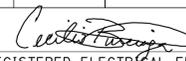


DETAIL B
 TYPICAL INDUCTIVE LOOP DETECTOR CONFIGURATION

MODIFY RAMP METERING SYSTEM
 NO SCALE

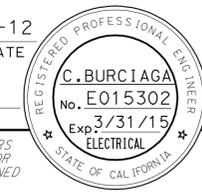
LAST REVISION DATE PLOTTED => 05-MAR-2013 08-06-12 TIME PLOTTED => 22:30

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	28	52

 7-23-12
 REGISTERED ELECTRICAL ENGINEER DATE

8-6-12
 PLANS APPROVAL DATE

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 COPIES OF THIS PLAN SHEET.



NOTES: (THIS SHEET ONLY)

1. NEW STUBOUTS SHALL BE 2". ABANDON EXISTING STUBOUTS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE EXISTING INDUCTIVE LOOP DETECTORS.
3. SPLICE NEW INDUCTIVE LOOP DETECTOR TO EXISTING dlc IN ADJACENT PULL BOX.
4. TAG EXISTING dlc IN ADJACENT PULL BOX AND AT CONTROLLER CABINET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR YI TSAU
 CALCULATED/DESIGNED BY CHECKED BY
 FARIDA MAHMOOD CECILIO BURCIAGA
 REVISED BY DATE REVISION

MODIFY SIGNAL AND LIGHTING								
PM	LOCATION	SEE DETAIL C THIS SHEET FOR TYPICAL LOCATION OF LOOP DETECTORS						No. OF STUBOUT (REPLACE)
		1	2	3	4	5	6	
51.6	SB OFF RAMP TO MCBEAN PARKWAY	X	X	X	X	X	X	2

X - INSTALL TYPE E INDUCTIVE LOOP DETECTOR. ABANDON EXISTING INDUCTIVE LOOP DETECTOR AT THE SAME LOCATION.



DETAIL C

TYPICAL INDUCTIVE LOOP DETECTOR CONFIGURATION

MODIFY SIGNAL AND LIGHTING
NO SCALE

E-4

NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	29	52

7-23-12
REGISTERED ELECTRICAL ENGINEER DATE

8-6-12
PLANS APPROVAL DATE

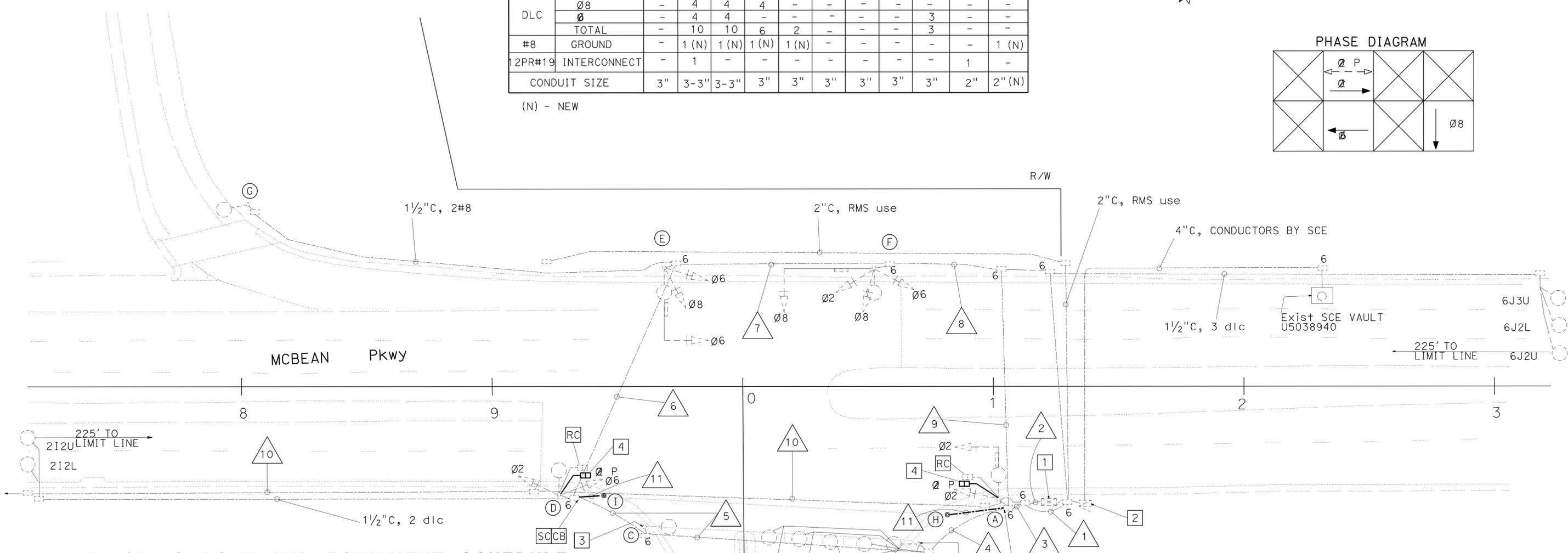
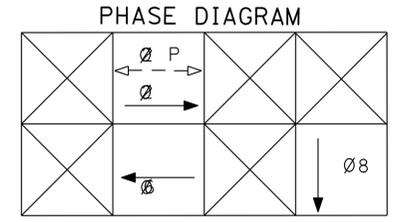
C. BURCIAGA
No. E015302
Exp. 3/31/15
ELECTRICAL

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

EXISTING CONDUIT AND CONDUCTOR SCHEDULE

AWG OF CABLE	CIRCUIT	CONDUIT RUN NUMBER AND SIZE										
		1	2	3	4	5	6	7	8	9	10	11
28CSC	C1	-	2	2	2	2	-	-	-	-	-	-
	C2	-	2	2	-	-	-	2	2	2	-	-
#14	APS	-	-	-	-	-	-	-	-	-	2 (N)	-
	COMMON	-	-	-	-	-	-	-	-	-	1 (N)	-
#8	LUMINAIRE SERVICE	2	-	2	2	2	-	2	2	2	-	-
	Ø	2	2	-	-	-	-	-	-	-	-	-
DLC	Ø	-	2	2	2	2	-	-	-	-	-	-
	Ø8	-	4	4	4	-	-	-	-	-	-	-
	Ø	-	4	4	-	-	-	-	-	3	-	-
	TOTAL	-	10	10	6	2	-	-	-	3	-	-
#8	GROUND	-	1 (N)	1 (N)	1 (N)	1 (N)	-	-	-	-	1 (N)	-
12PR#19	INTERCONNECT	-	1	-	-	-	-	-	-	1	-	-
CONDUIT SIZE		3"	3-3"	3-3"	3"	3"	3"	3"	3"	3"	2"	2" (N)

(N) - NEW



EXISTING POLE AND EQUIPMENT SCHEDULE

No.	Type	STANDARD		veh sig mtg		PED SIGNAL		APS		hps		sns
		sma	lma	Mast Arm	Pole	MTG	Ø	ARROW	LUMINAIRE			
(A)	17-3-80	25'	12'	mas	SV-1-T	SP-1-T (N)	-	-	-	200 W		NORTH →
(B)	15	-	12'	-	SV-1-T	-	-	-	-	200 W		-
(C)	15	-	12'	-	-	-	-	-	-	200 W		-
(D)	15	-	12'	-	SV-2-T	SP-1-T (N)	-	-	-	200 W		-
(E)	17-3-80	35'	12'	mas	SV-2-T	-	-	-	-	200 W		← NORTH
(F)	19-3-80	25'	12'	mas	SV-3-T	-	-	-	-	200 W		McBean Pkwy
(G)	15	-	12'	-	-	-	-	-	-	200 W		-
(H)	PPB POST (N)	-	-	-	-	-	2	← (N)	-	-		-
(I)	PPB POST (N)	-	-	-	-	-	2	→ (N)	-	-		-

(N) - NEW

LEGEND: (THIS SHEET ONLY)

- 1 TYPE 170 CONTROLLER ASSEMBLY.
 - 2 120/240 V TYPE III-CF SERVICE EQUIPMENT ENCLOSURE WITH:

100 A, 240 V, 2P, CB - MAIN	100 A, 240 V, 2P, CB - MAIN
50 A, 120 V, 1P, CB - SIGNAL LIGHTING	30 A, 120 V, 1P, CB - RMS
30 A, 240 V, 2P, CB - Hwy LIGHTING (UNMETERED)	
15 A, 120 V, 1P, CB - PEU	
 - 3 RC ppb.
 - 4 INSTALL LED COUNTDOWN PED SIGNAL HEAD.
- CTID No. 07-53-R005-051.441
ADDRESS: 24780 1/2 MCBEAN Pkwy, SANTA CLARITA, CA 91381

MODIFY SIGNAL AND LIGHTING
SCALE: 1" = 20'

E-5

APPROVED FOR ELECTRICAL WORK ONLY

NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	30	52

7-23-12
REGISTERED ELECTRICAL ENGINEER DATE

8-6-12
PLANS APPROVAL DATE

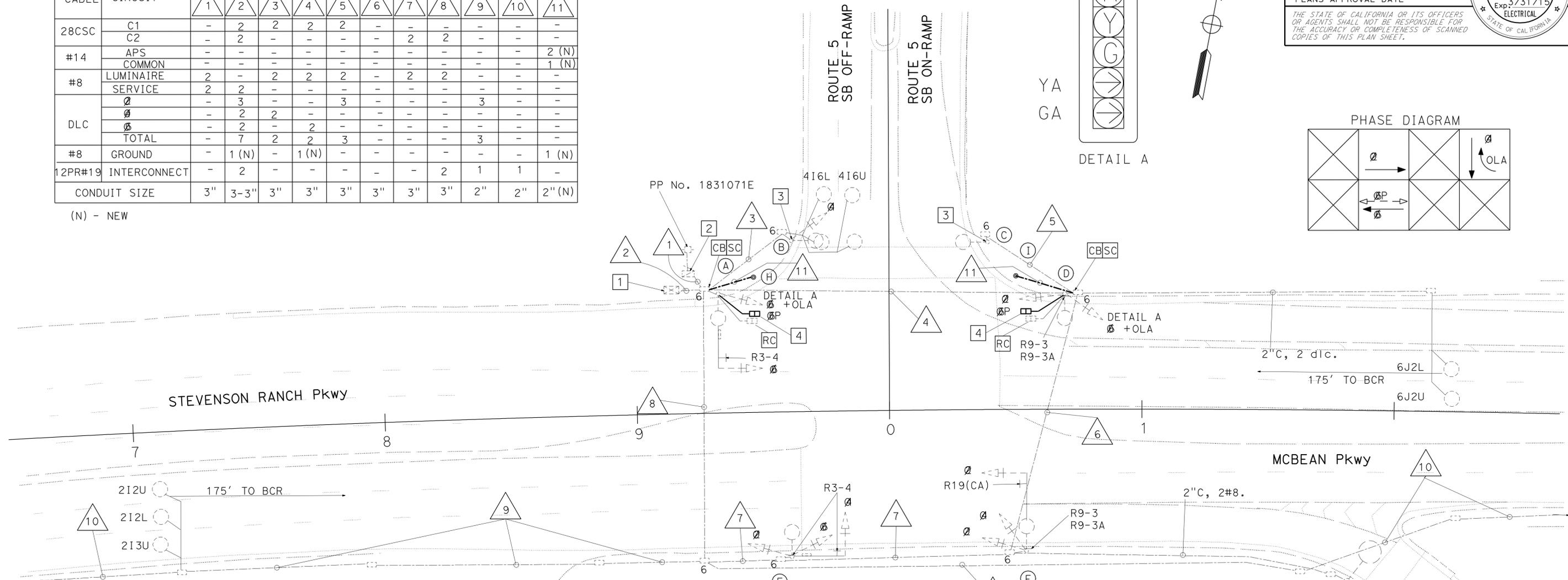
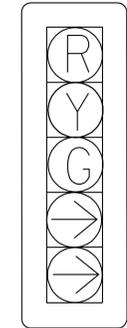
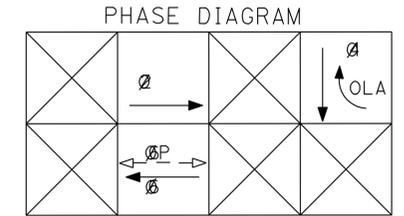
C. BURCIAGA
No. E015302
Exp. 3/31/15
ELECTRICAL

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EXISTING CONDUIT AND CONDUCTOR SCHEDULE

AWG OR CABLE	CIRCUIT	CONDUIT RUN NUMBER AND SIZE										
		1	2	3	4	5	6	7	8	9	10	11
28CSC	C1	-	2	2	2	2	-	-	-	-	-	-
	C2	-	2	-	-	-	-	2	2	-	-	-
#14	APS COMMON	-	-	-	-	-	-	-	-	-	-	2 (N)
	LUMINAIRE SERVICE	2	-	2	2	2	-	2	2	-	-	1 (N)
#8	Ø	2	2	-	-	-	-	-	-	-	-	-
	Ø	-	3	-	-	3	-	-	-	3	-	-
	Ø	-	2	2	-	-	-	-	-	-	-	-
	Ø	-	2	-	2	-	-	-	-	-	-	-
#8	GROUND	-	1 (N)	-	1 (N)	-	-	-	-	-	-	1 (N)
	INTERCONNECT	-	2	-	-	-	-	2	1	1	-	-
CONDUIT SIZE		3"	3-3"	3"	3"	3"	3"	3"	3"	2"	2"	2" (N)

(N) - NEW



EXISTING POLE AND EQUIPMENT SCHEDULE

No.	Type	STANDARD		veh sig mtg		PED SIGNAL	APS		hps	sns
		sma	lma	Mast Arm	Pole	MTG	Ø	ARROW	LUMINAIRE	
(A)	19-3-80	30'	12'	MAS	SV-1-T	SP-1-T (N)	-	-	200 W	South ⇨
(B)	15	-	12'	-	SV-1-T	-	-	-	200 W	-
(C)	15	-	12'	-	-	-	-	-	200 W	-
(D)	15	-	12'	-	SV-2-TA	SP-1-T (N)	-	-	200 W	-
(E)	19-2-80	30'	12'	MAS	SV-2-TA	-	-	-	200 W	-
(F)	17-3-80	20'	12'	MAS	SV-3-TB	-	-	-	200 W	Stevenson Ranch ⇨ McBean Pkwy ⇨
(G)	15	-	12'	-	-	-	-	-	200 W	-
(H)	PPB POST (N)	-	-	-	-	-	-	2	(N)	⇨
(I)	PPB POST (N)	-	-	-	-	-	-	2	(N)	⇨

(N) - NEW

LEGEND: (THIS SHEET ONLY)

- 1 TYPE 170 CONTROLLER ASSEMBLY.
- 2 120 / 240 V TYPE III-CF SERVICE EQUIPMENT ENCLOSURE WITH:

100 A, 240 V, 2P, CB - MAIN	100 A, 240 V, 2P, CB - MAIN
50 A, 120 V, 1P, CB - SIGNAL LIGHTING	30 A, 120 V, 1P, CB - FUTURE USE (RMS)
30 A, 240 V, 2P, CB - Hwy LIGHTING (UNMETERED)	
15 A, 120 V, 1P, CB - PEU	
- 3 RC ppb.
- 4 INSTALL LED COUNTDOWN PED SIGNAL HEAD.

CTID No. 07-53-R005-051.451
ADDRESS: 24713 1/4 McBean Pkwy,
SANTA CLARITA, CA 91381

CTID No. 07-53-R005-051.452
ADDRESS: 24713 1/2 McBean Pkwy,
SANTA CLARITA, CA 91381

MODIFY SIGNAL AND LIGHTING
SCALE: 1" = 20'

APPROVED FOR ELECTRICAL WORK ONLY

E-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR
YI TSAU

CALCULATED/DESIGNED BY
CHECKED BY

LIKE SUN
CECILIO BURCIAGA

REVISED BY
DATE REVISED

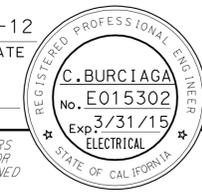
DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	31	52

 7-23-12
 REGISTERED ELECTRICAL ENGINEER DATE

8-6-12
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS
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MODIFY RAMP METERING SYSTEM		
SHEET No.	TYPE E LOOP (N)	STUBOUT (N)
	EA	EA
E-1	75	38
E-2	31	14
E-3	4	2

MODIFY SIGNAL AND LIGHTING		
SHEET No.	TYPE E LOOP (N)	STUBOUT (N)
	EA	EA
E-4	6	2

MODIFY SIGNAL AND LIGHTING							
SHEET No.	PPB POST (N)	REMOVE PPB (N)	LED COUNTDOWN PED SIGNAL (N)	APS (N)	2"C (N)	#14 (N)	#8 (G) (N)
	EA	EA	EA	EA	FT	FT	FT
E-5	2	2	2	2	40	120	250
E-6	2	2	2	2	40	120	250

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

ELECTRICAL QUANTITIES

E-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR YI TSAU
 CALCULATED/DESIGNED BY CHECKED BY
 FARIDA WAHMOOD CECILIO BURCIAGA
 REVISED BY DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	32	52

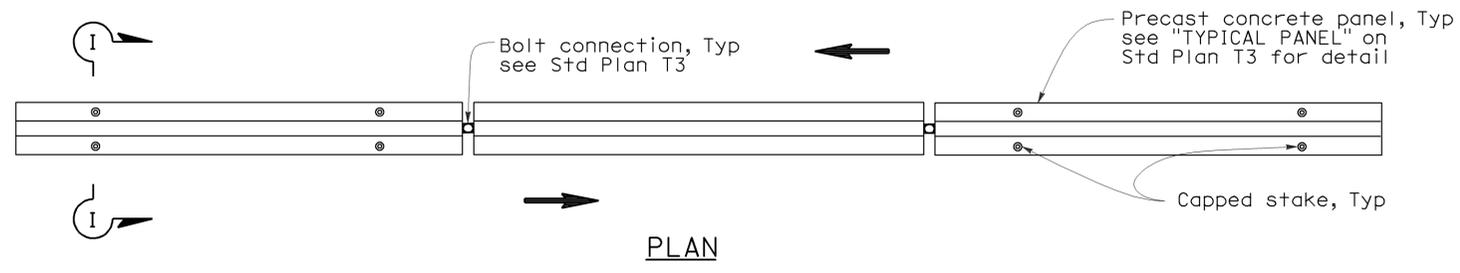
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

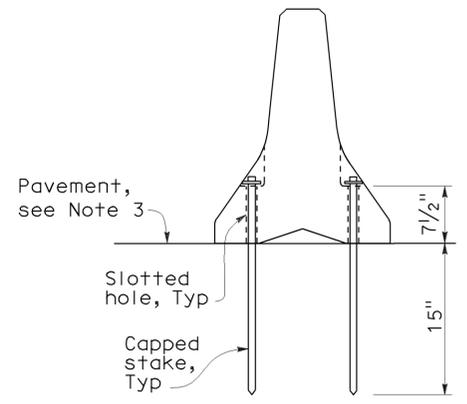
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REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 8-6-12

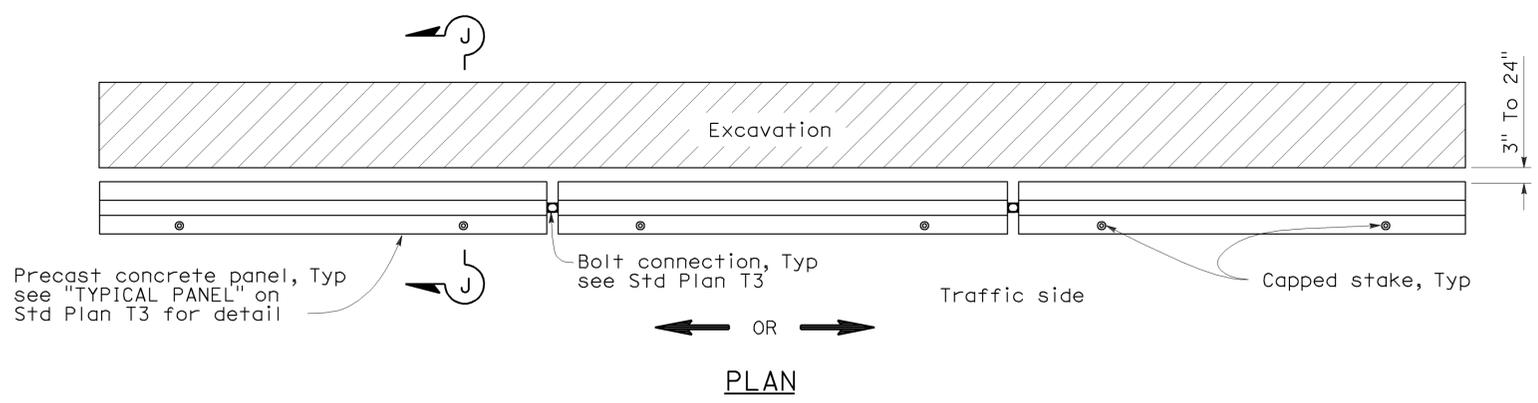


RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC
See Note 1

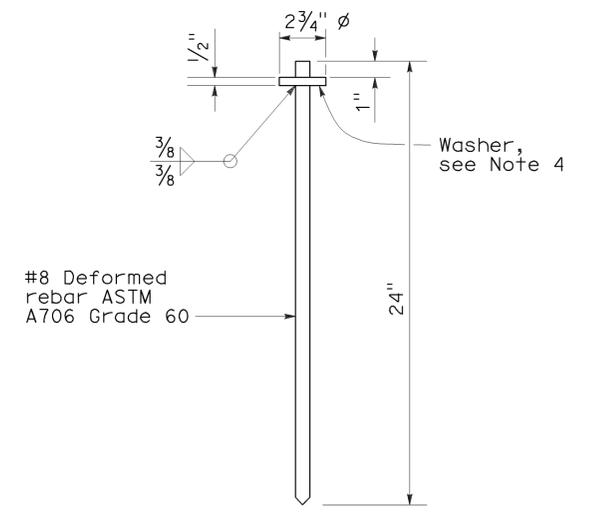
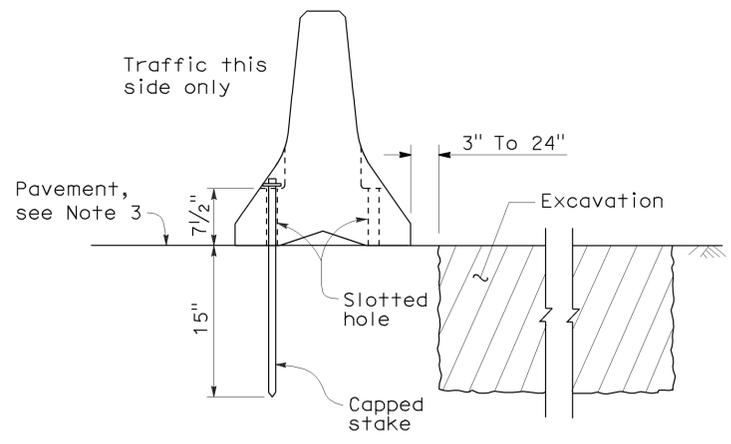


NOTES:

1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by \Rightarrow .



RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION
See Note 2



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY RAILING
(TYPE K)**

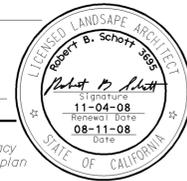
NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T3A

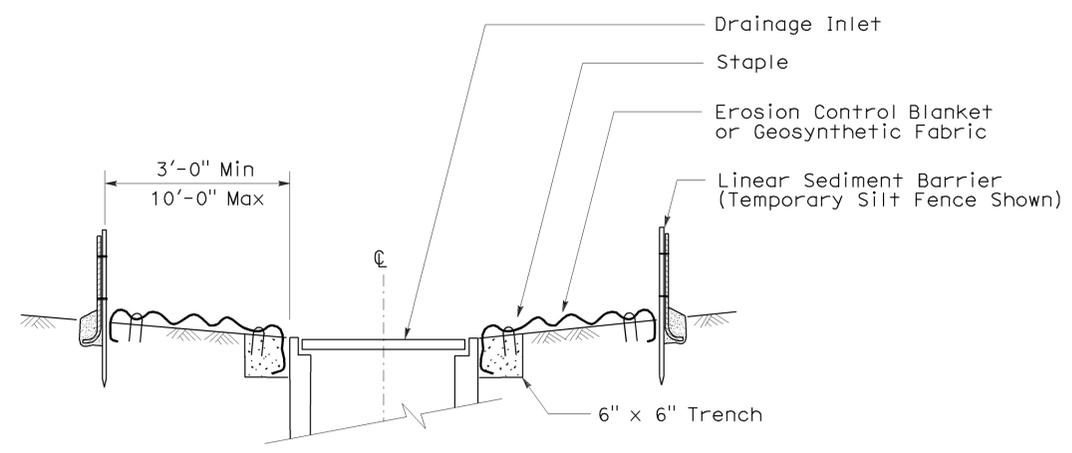
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	33	52

Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT
 August 15, 2008
 PLANS Approval DATE
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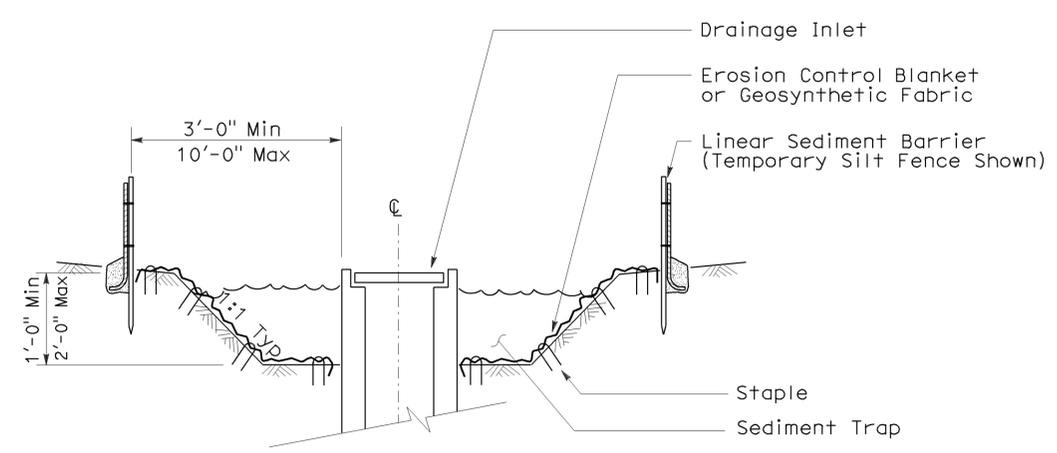


To accompany plans dated 8-6-12

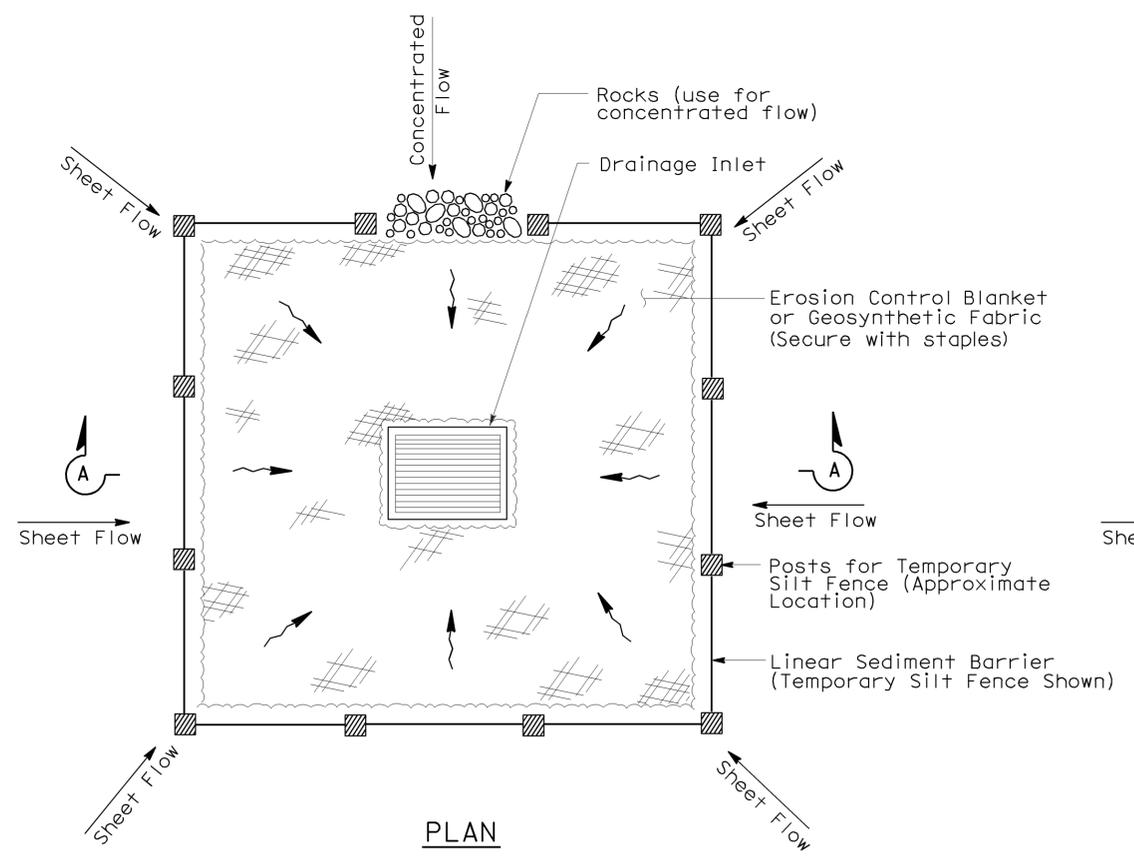
- NOTES:**
1. See Standard Plan T51 for Temporary Silt Fence.
 2. Dimensions may vary to fit field conditions.



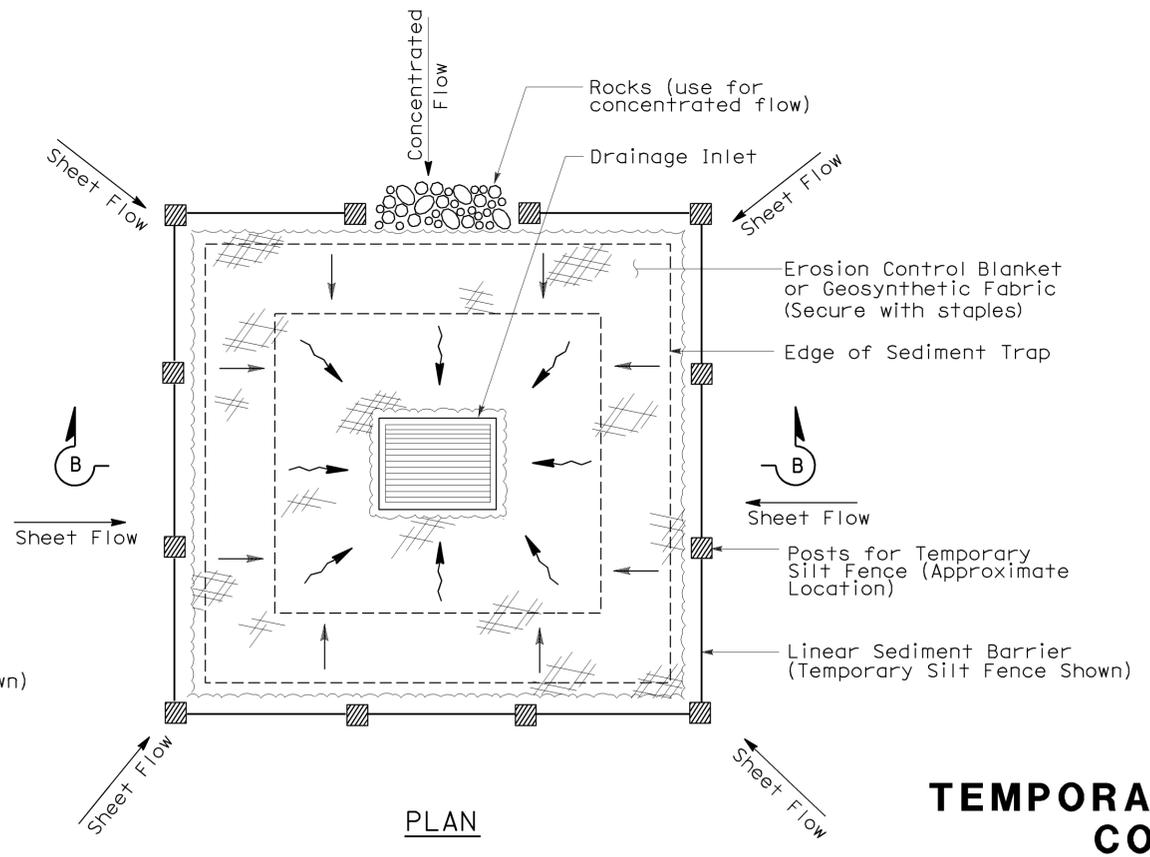
SECTION A-A



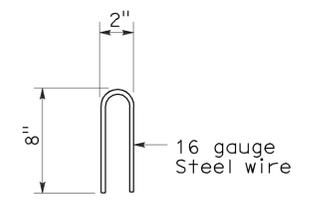
SECTION B-B



TEMPORARY DRAINAGE INLET PROTECTION (TYPE 1)



TEMPORARY DRAINAGE INLET PROTECTION (TYPE 2) (EXCAVATED SEDIMENT TRAP)



STAPLE DETAIL

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)
 NO SCALE

NSP T61 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T61

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	34	52

Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT

August 15, 2008
 PLANS APPROVAL DATE

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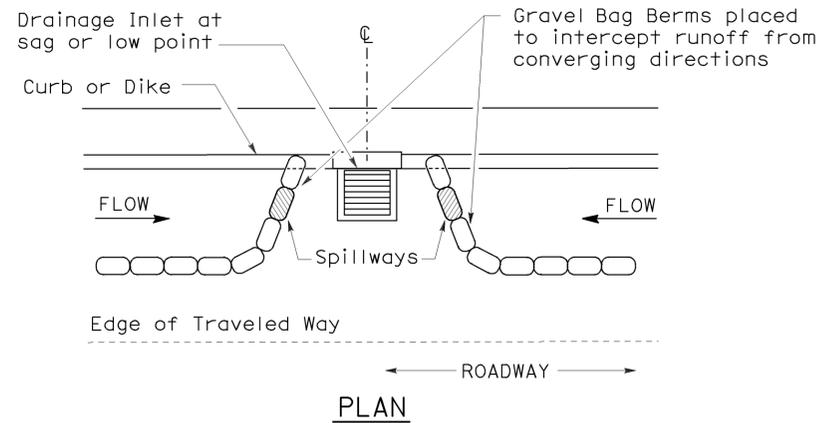
To accompany plans dated 8-6-12

2006 NEW STANDARD PLAN NSP T62

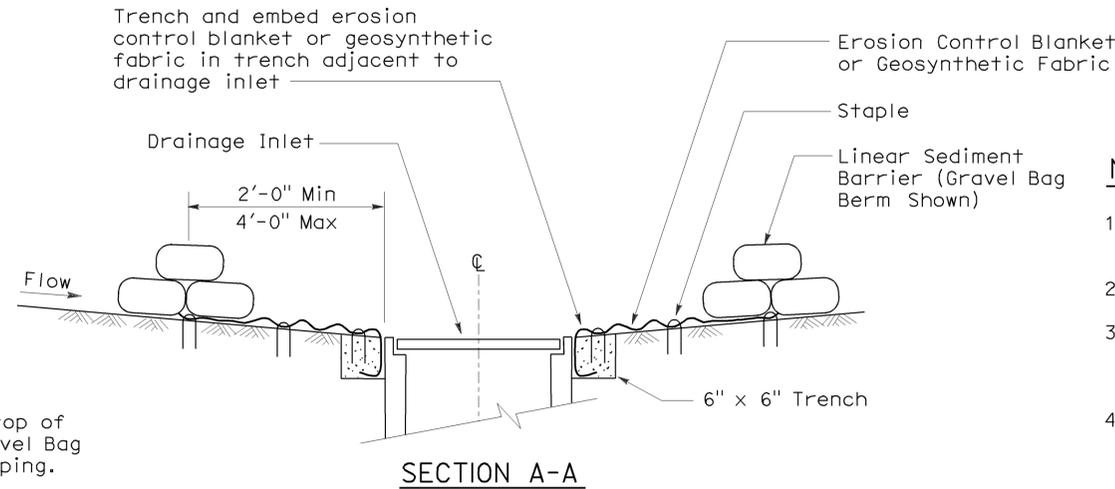
GRAVEL BAG BERM (TYPE 3A) SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	1 to 3.9	4 to 5.9	6 to 7.9	8 to 10	10+
INTERVAL BETWEEN BERM	100'	75'	50'	25'	12'

For slope of less than 1%, install barriers only if erosion/sediment is prevalent



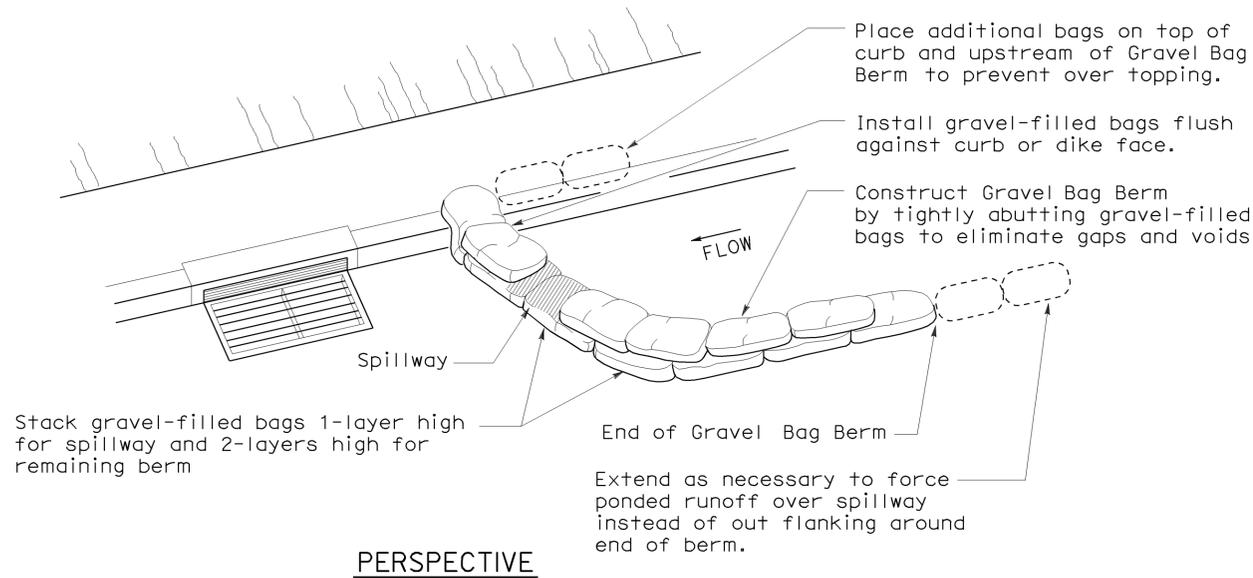
CONFIGURATION FOR SAG POINT INLET (GRAVEL BAG BERM)



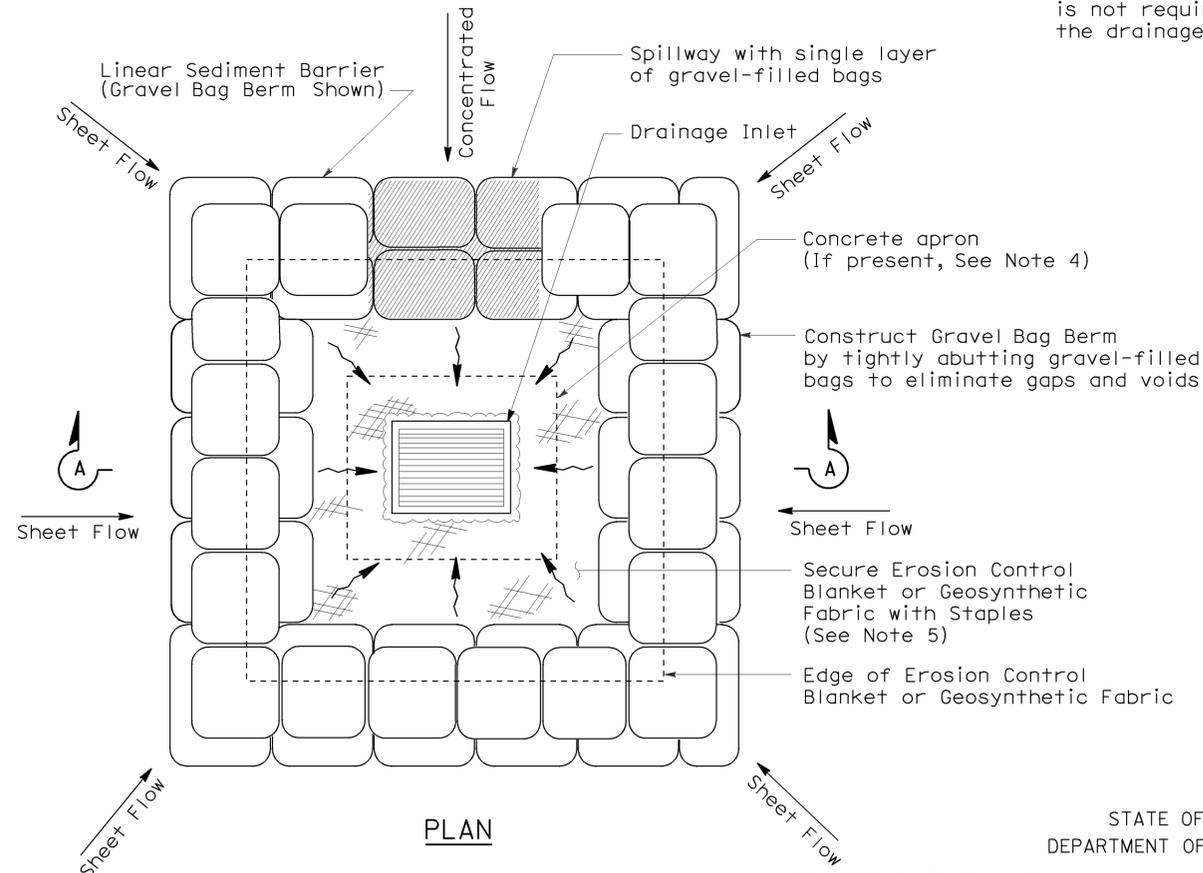
SECTION A-A

NOTES:

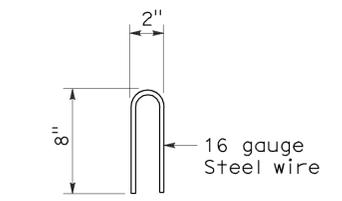
1. Place safety cones adjacent to drainage inlet protection.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 gravel bag berms upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated or paved.



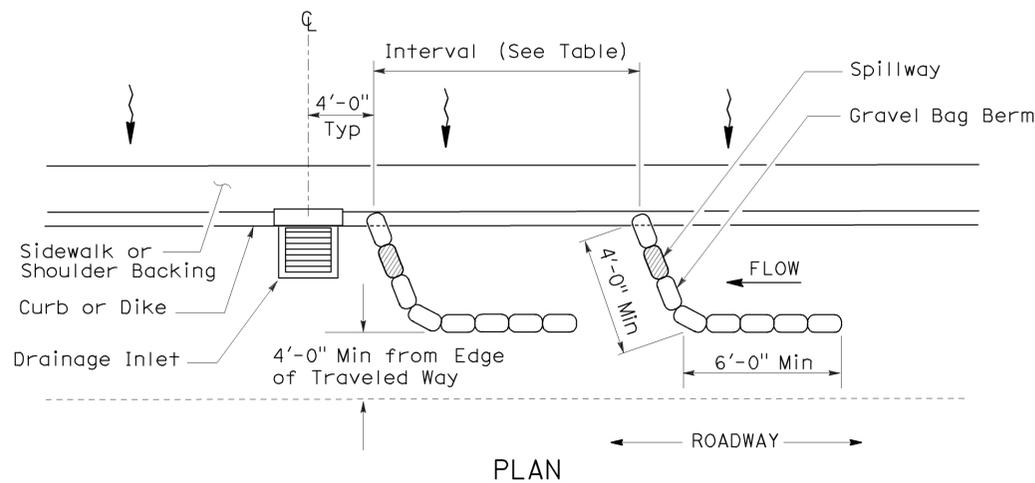
PERSPECTIVE



TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3B)



STAPLE DETAIL



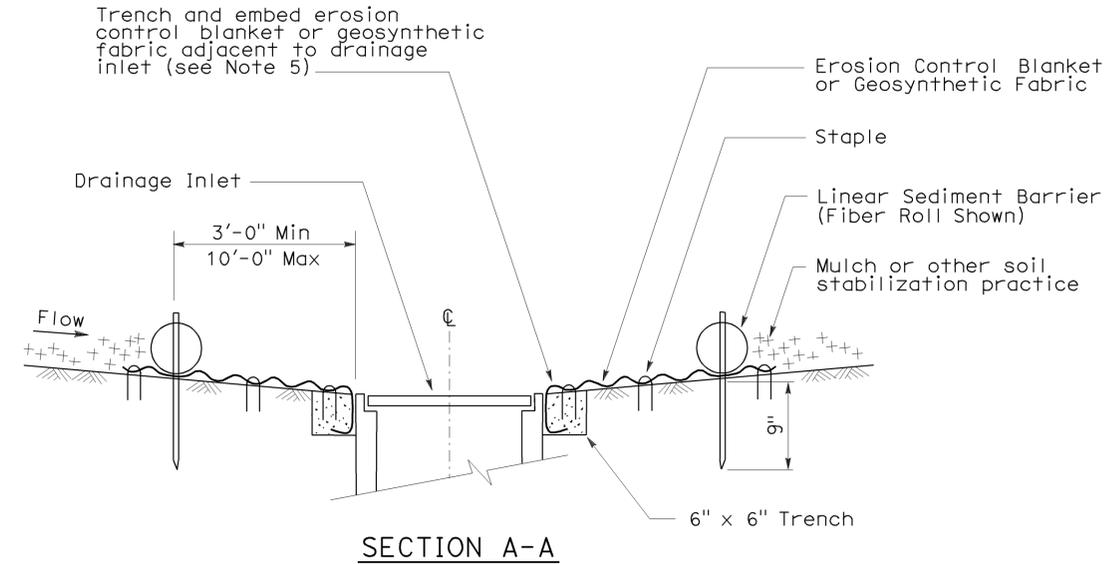
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 3A) (GRAVEL BAG BERM)

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

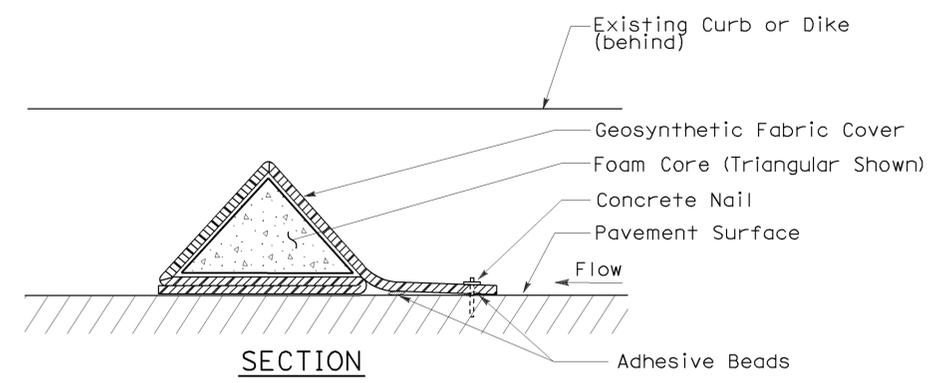
NO SCALE
 NSP T62 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

FLEXIBLE SEDIMENT BARRIER SPACING TABLE

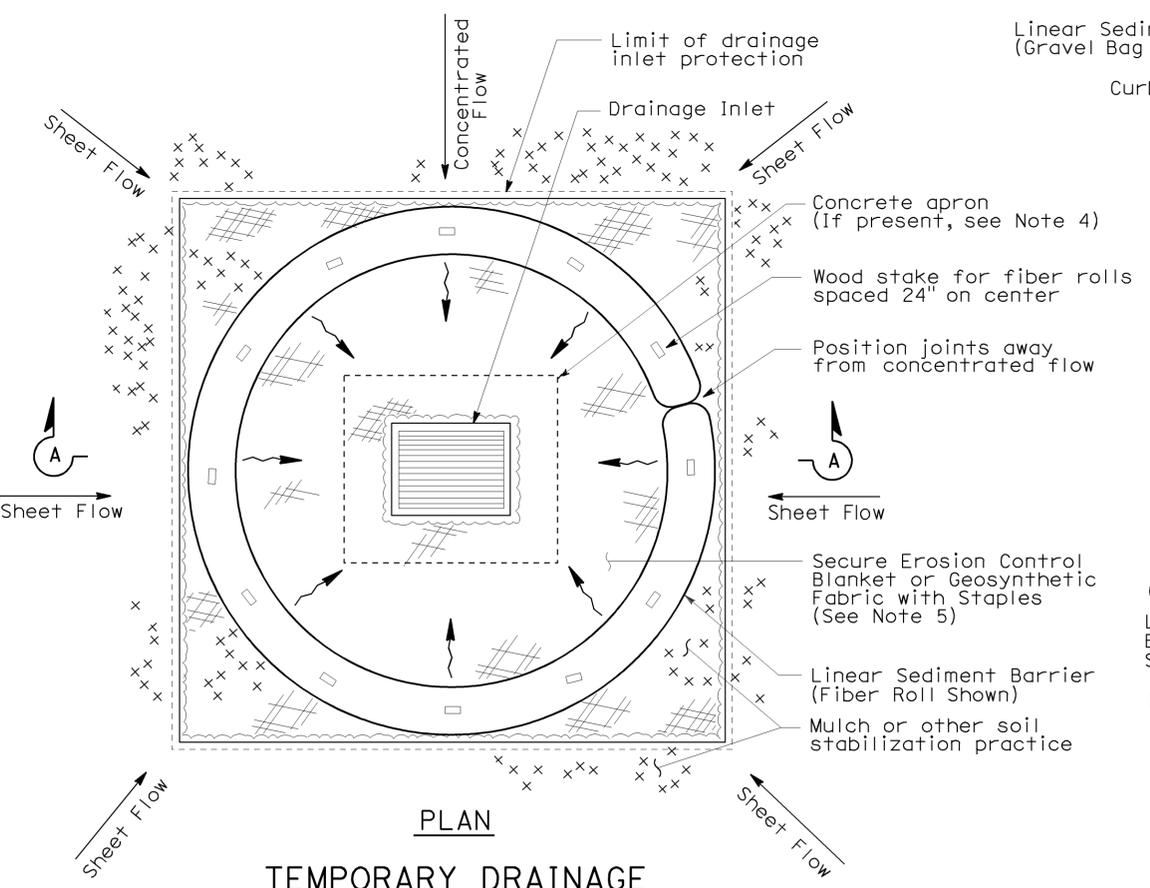
SLOPE OF ROADWAY (PERCENT)	0 to 0.9	1 to 1.9	2 to 2.9	3 to 4	5+
INTERVAL BETWEEN BARRIERS	50'	35'	30'	25'	20'
ANGLE FROM FACE OF CURB	70°	70°	70°	45°	45°
SUGGESTED BARRIER LENGTH	6'	6'	6'	6'	6'



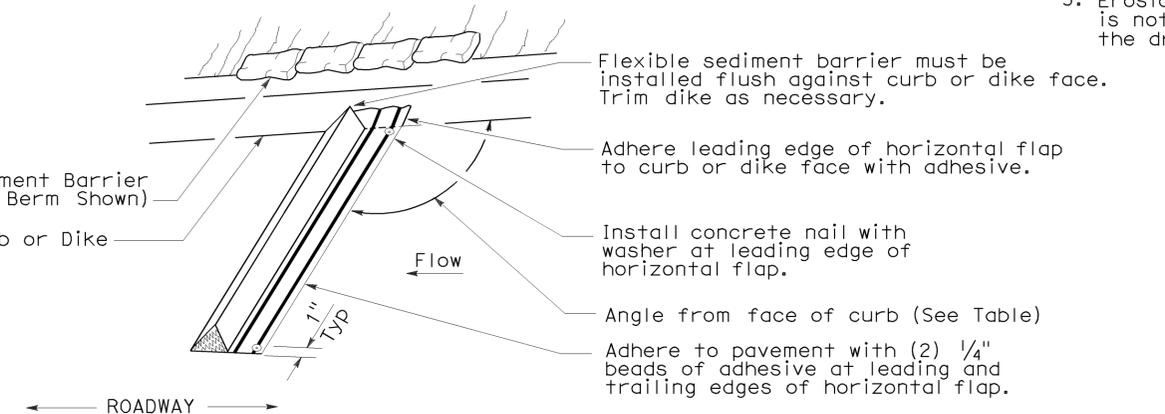
SECTION A-A



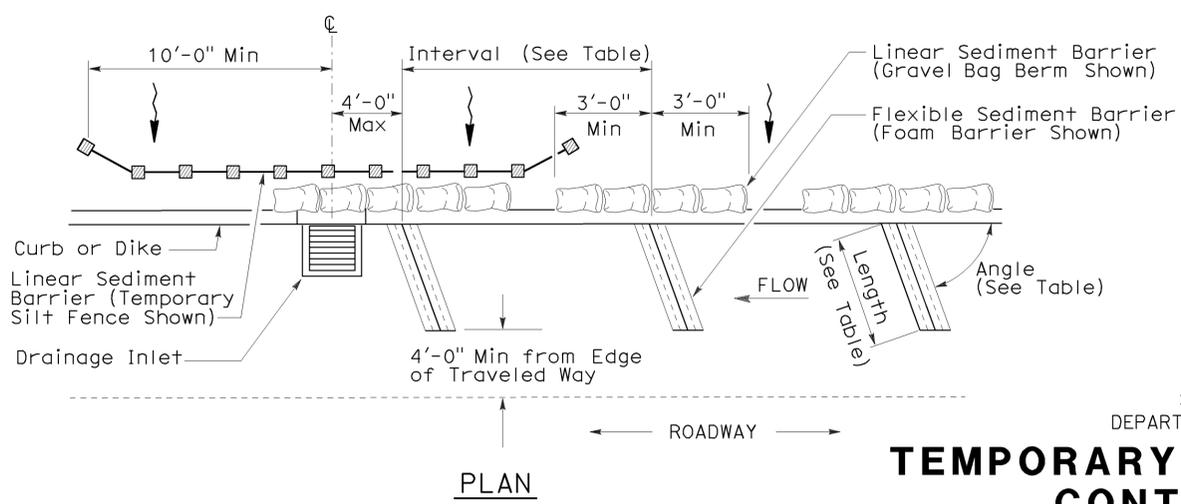
**SECTION
FLEXIBLE SEDIMENT BARRIER DETAIL
(FOAM BARRIER SHOWN)**



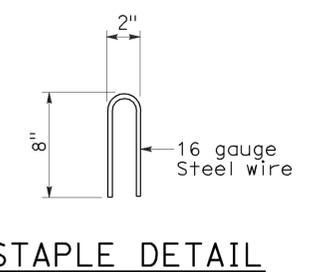
**PLAN
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 4A)**



PERSPECTIVE



**PLAN
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 4B)
FLEXIBLE SEDIMENT BARRIER**



STAPLE DETAIL

NOTES:

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 flexible sediment barriers upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated.

To accompany plans dated 8-6-12

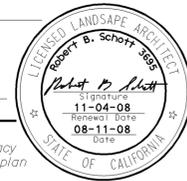
**STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION
CONTROL DETAILS
(TEMPORARY DRAINAGE
INLET PROTECTION)**

NO SCALE
NSP T63 DATED AUGUST 15, 2008 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

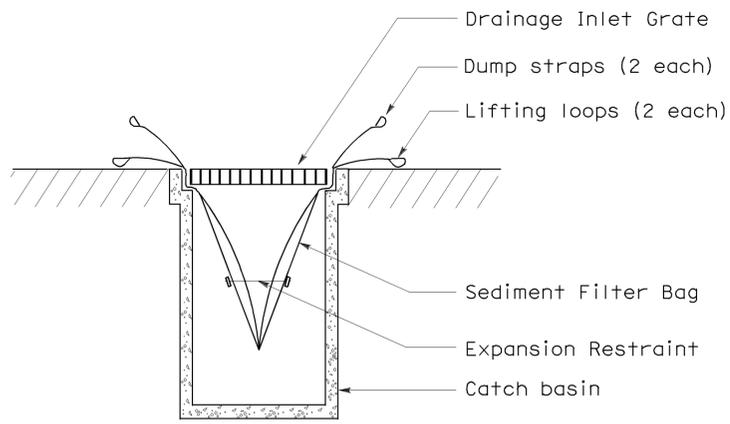
2006 NEW STANDARD PLAN NSP T63

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	36	52

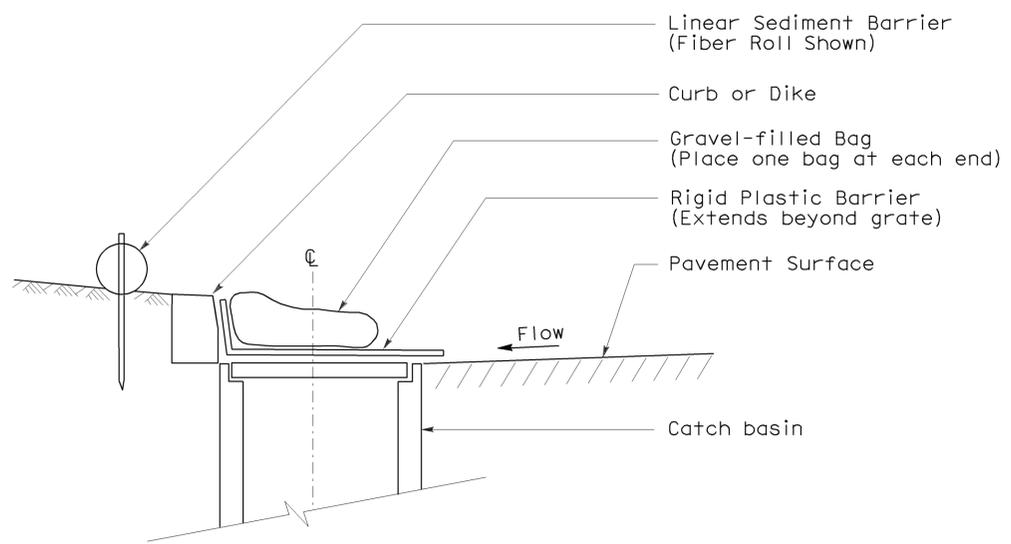
Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT
 August 15, 2008
 PLANS APPROVAL DATE
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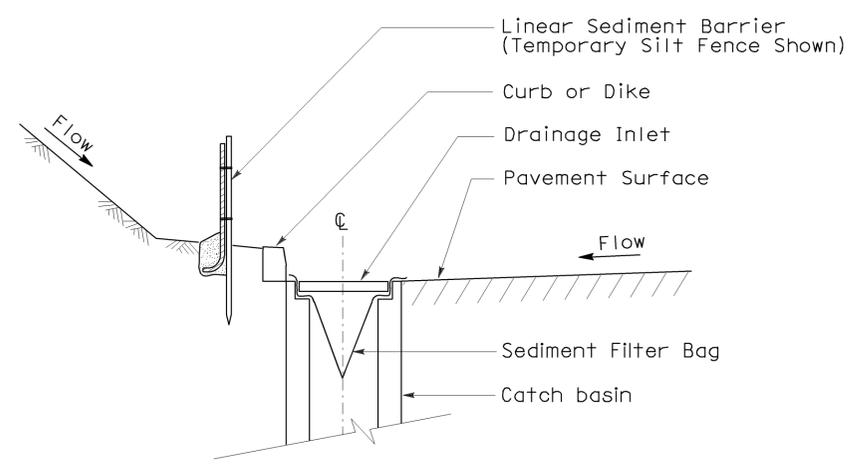
To accompany plans dated 8-6-12



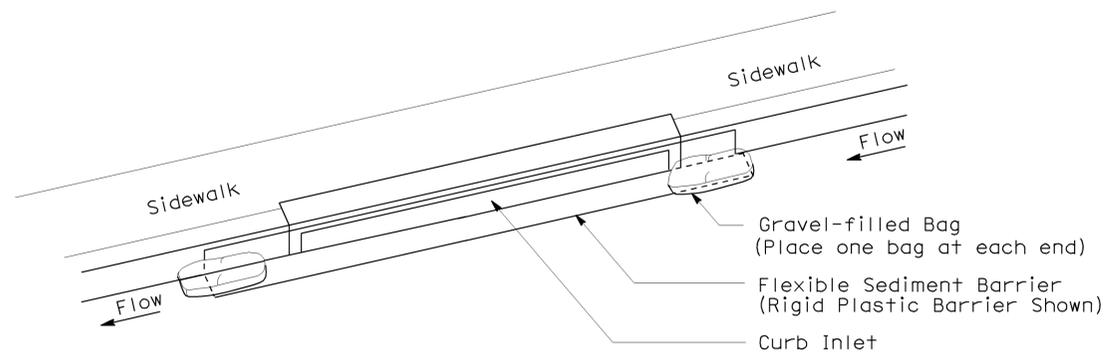
SECTION B-B
SEDIMENT FILTER BAG DETAIL



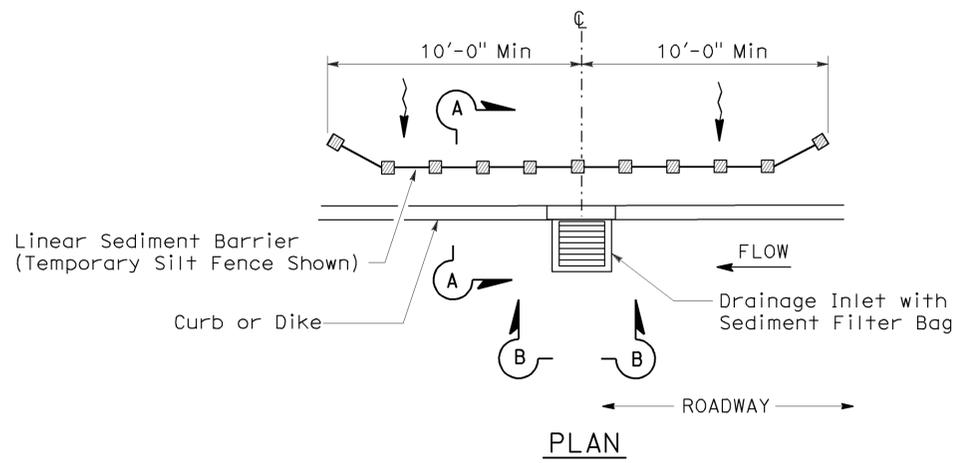
SECTION
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 6A)
(CATCH BASIN WITH GRATE)



SECTION A-A



PERSPECTIVE
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 6B)
(CURB INLET WITHOUT GRATE)



PLAN
TEMPORARY DRAINAGE INLET PROTECTION (TYPE 5)
(SEDIMENT FILTER BAG)

- NOTES:**
1. See Standard Plan T51 for Temporary Silt Fence.
 2. Dimensions may vary to fit field conditions.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

NSP T64 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T64

2006 NEW STANDARD PLAN NSP T64

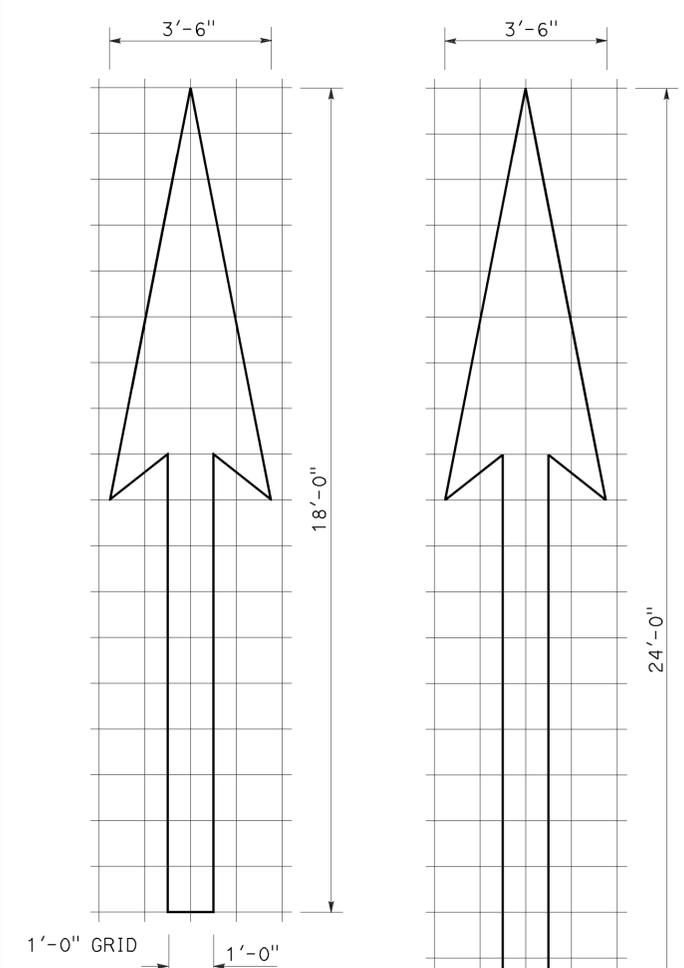
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	37	52

Robert L. McLaughlin
 REGISTERED CIVIL ENGINEER
 April 20, 2012
 PLANS APPROVAL DATE

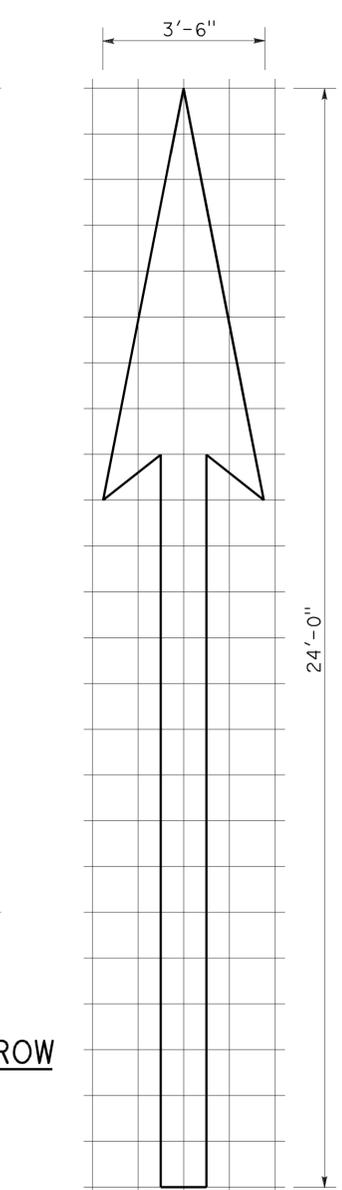
REGISTERED PROFESSIONAL ENGINEER
 Roberta L. McLaughlin
 No. C40375
 Exp. 3-31-13
 CIVIL
 STATE OF CALIFORNIA

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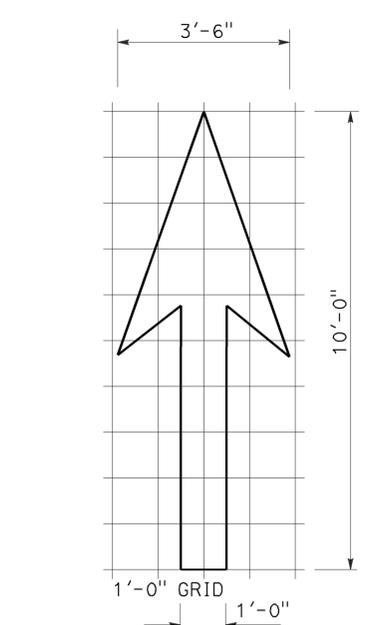
TO ACCOMPANY PLANS DATED 8-6-12



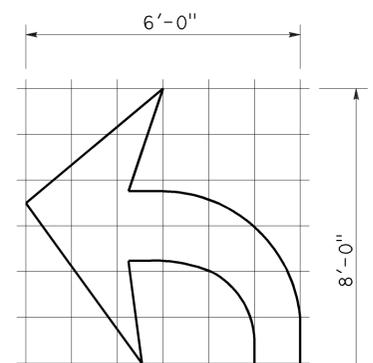
A=25 ft²
TYPE I 18'-0" ARROW



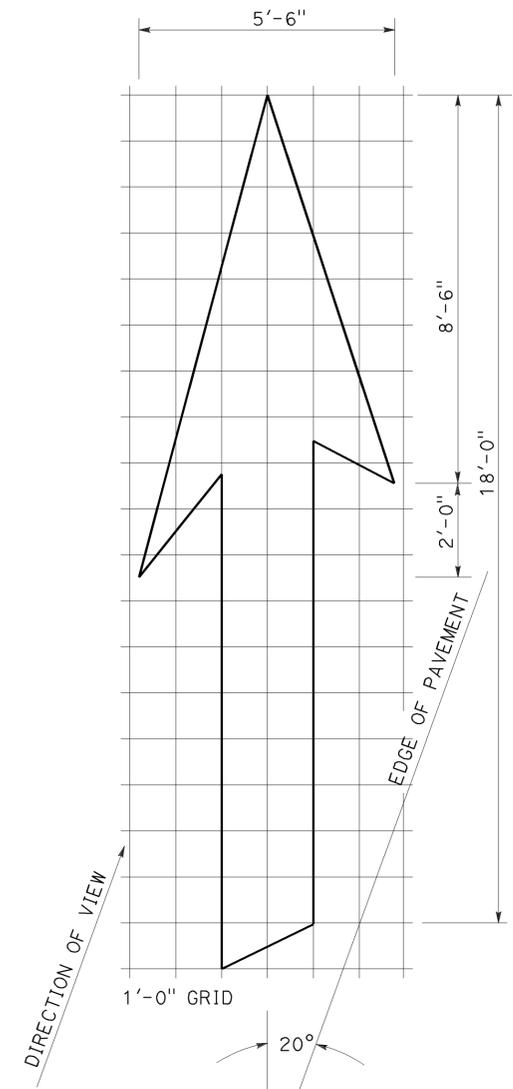
A=31 ft²
TYPE I 24'-0" ARROW



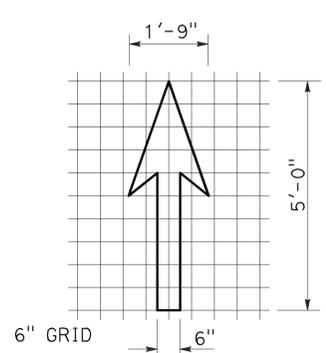
A=14 ft²
TYPE I 10'-0" ARROW



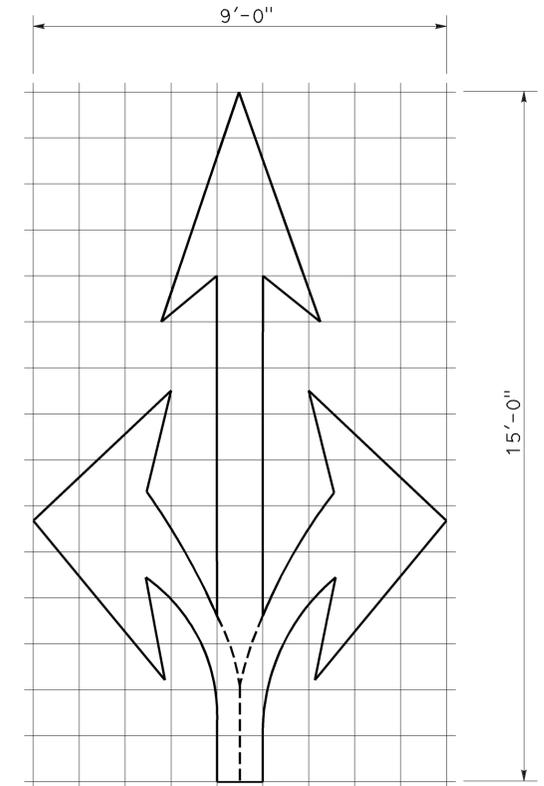
A=15 ft²
TYPE IV (L) ARROW
(For Type IV (R) arrow, use mirror image)



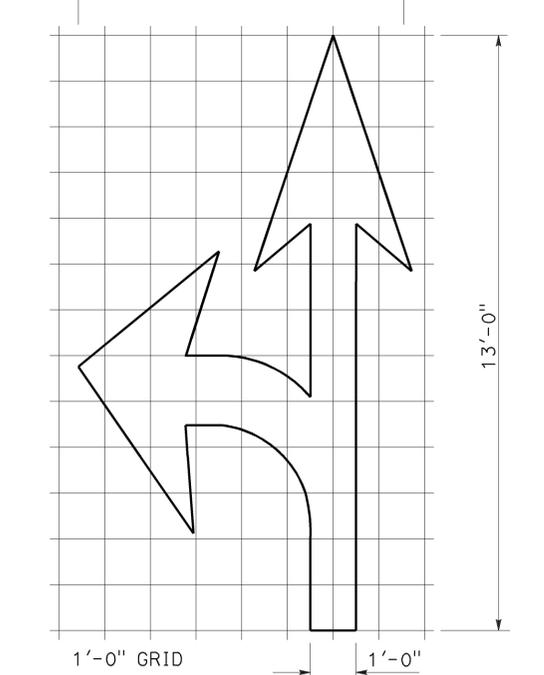
A=42 ft²
TYPE VI ARROW
Right lane drop arrow
(For left lane, use mirror image)



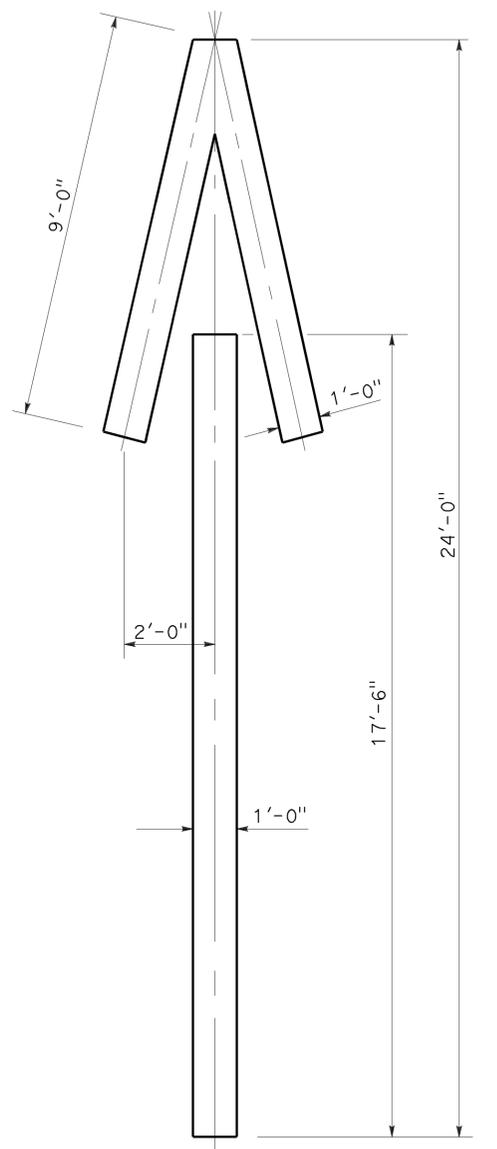
A=3.5 ft²
BIKE LANE ARROW



A=36 ft²
TYPE VIII ARROW



A=27 ft²
TYPE VII (L) ARROW
(For Type VII (R) arrow, use mirror image)



A=33 ft²
TYPE V ARROW

NOTE:
Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
ARROWS**
NO SCALE

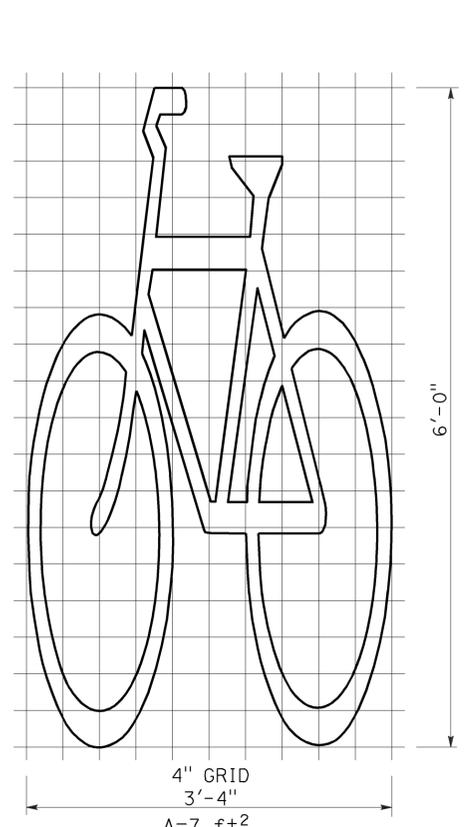
RSP A24A DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN A24A DATED MAY 20, 2011 - PAGE 13 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24A

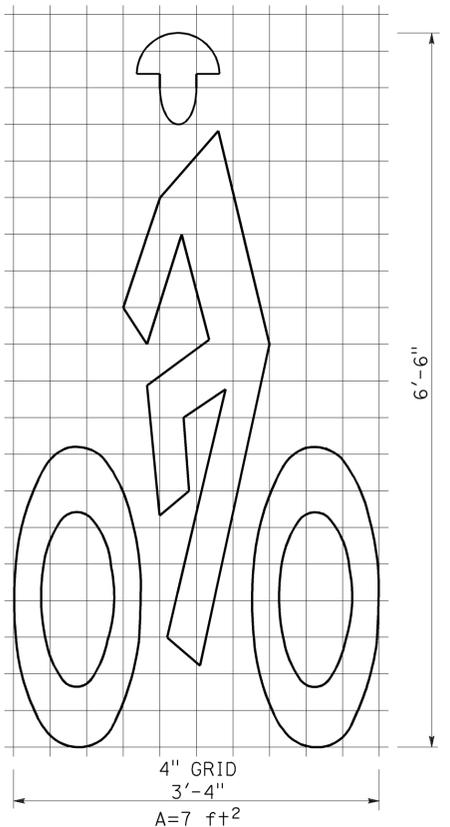
2010 REVISED STANDARD PLAN RSP A24A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	38	52

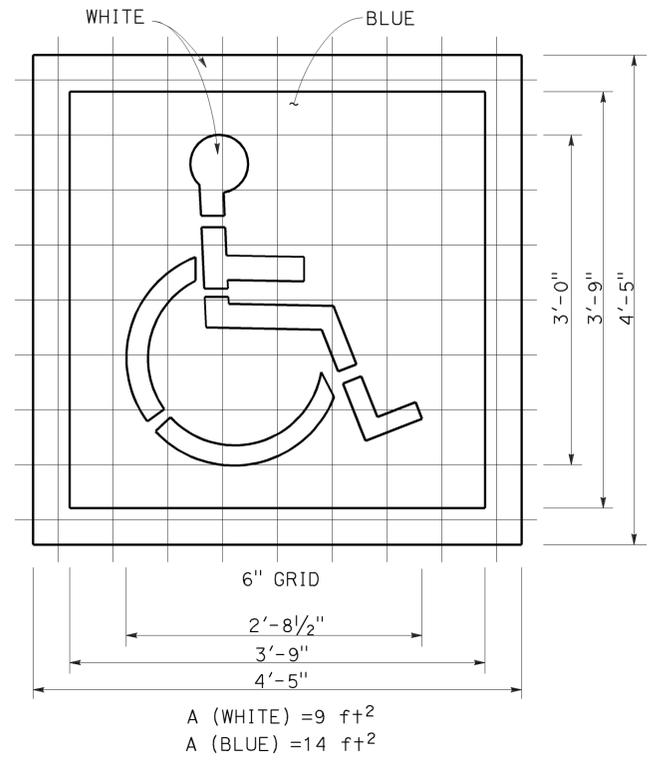
Robert L. McLaughlin
 REGISTERED CIVIL ENGINEER
 October 19, 2012
 PLANS APPROVAL DATE
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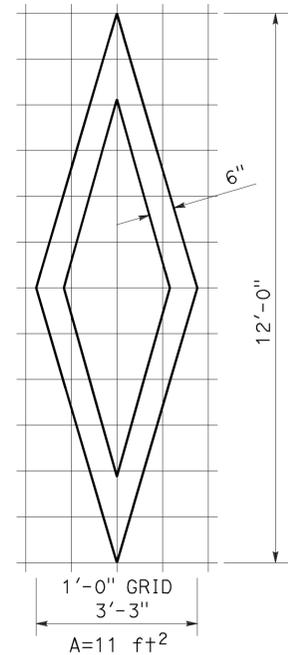
**BIKE LANE SYMBOL
WITHOUT PERSON**



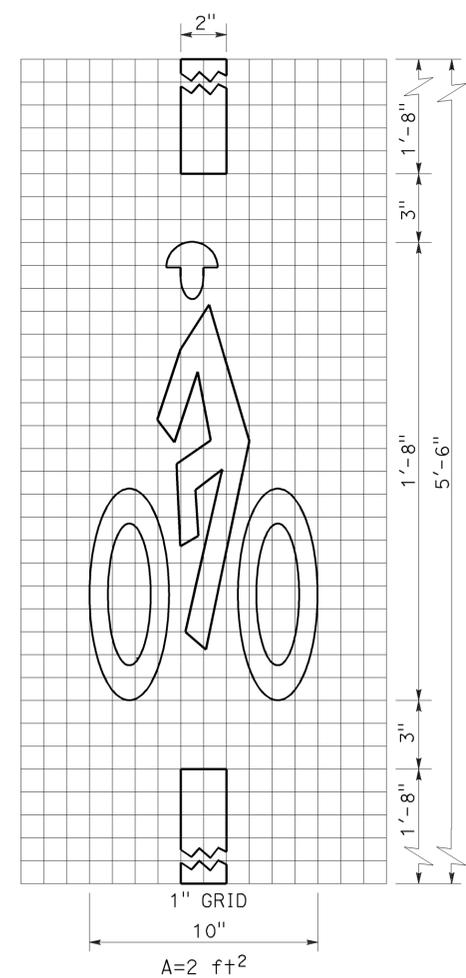
**BIKE LANE SYMBOL
WITH PERSON**



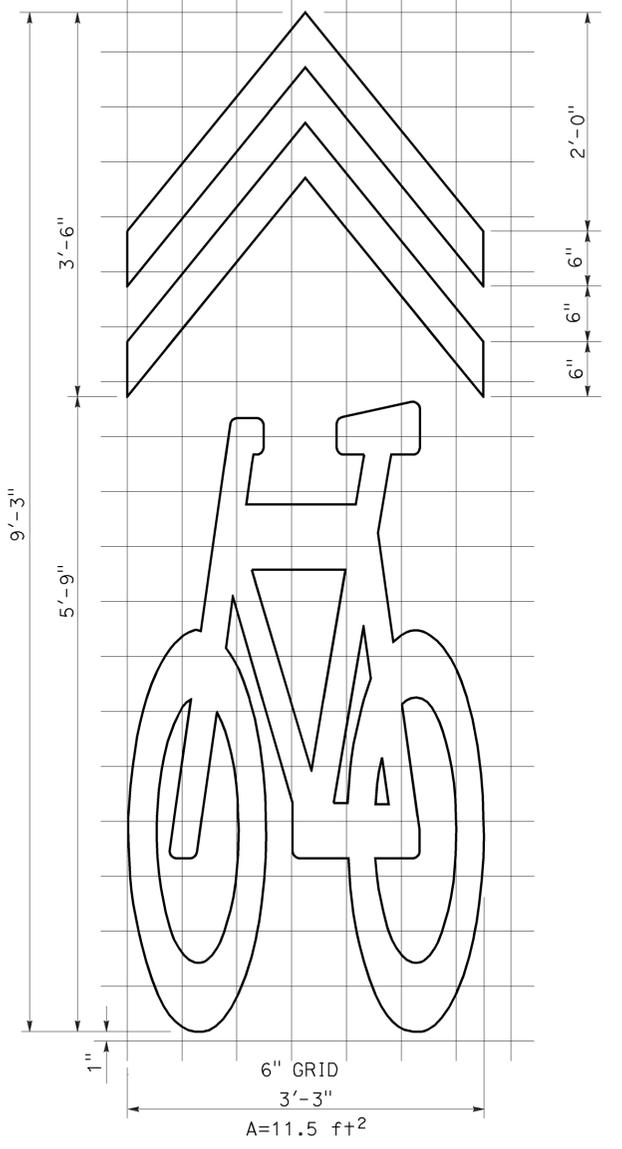
**INTERNATIONAL SYMBOL
OF ACCESSIBILITY (ISA) MARKING**



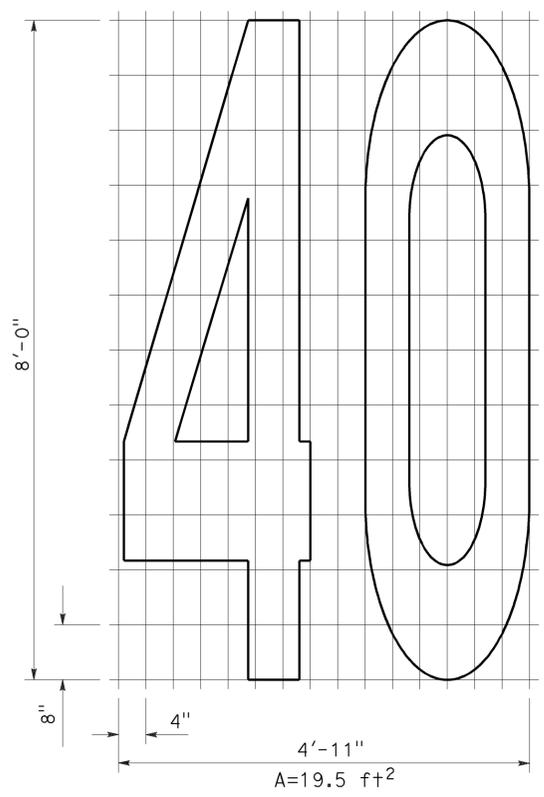
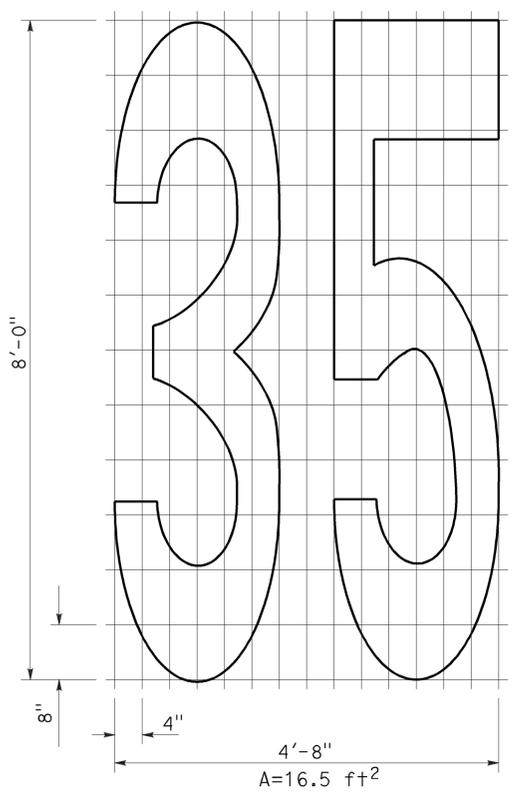
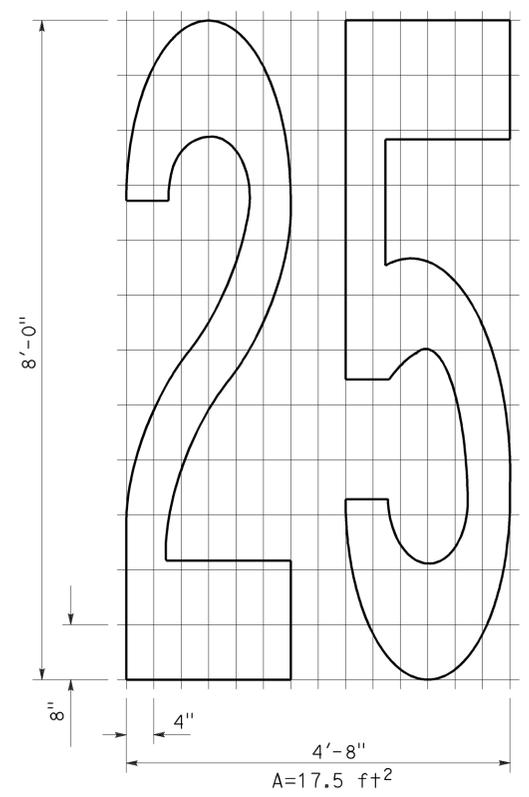
DIAMOND SYMBOL



**BICYCLE LOOP
DETECTOR SYMBOL**



SHARED ROADWAY BICYCLE MARKING



NUMERALS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
SYMBOLS AND NUMERALS**
NO SCALE

RSP A24C DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A24C
DATED MAY 20, 2011 - PAGE 15 OF THE STANDARD PLANS BOOK DATED 2010.

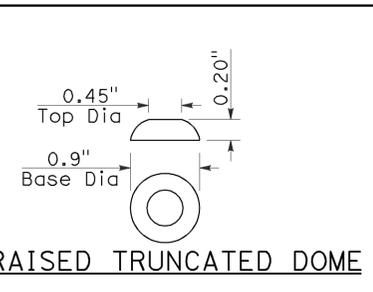
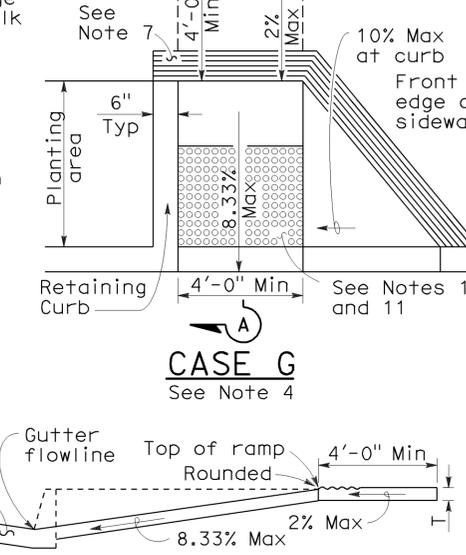
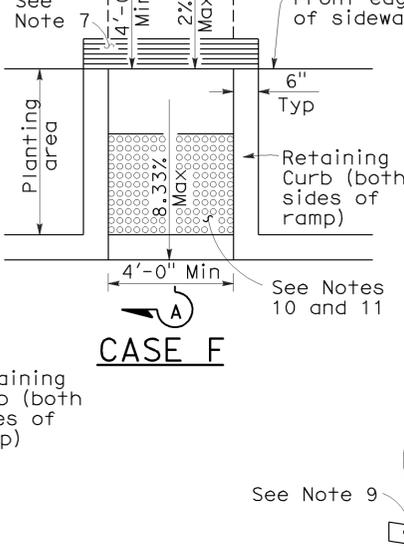
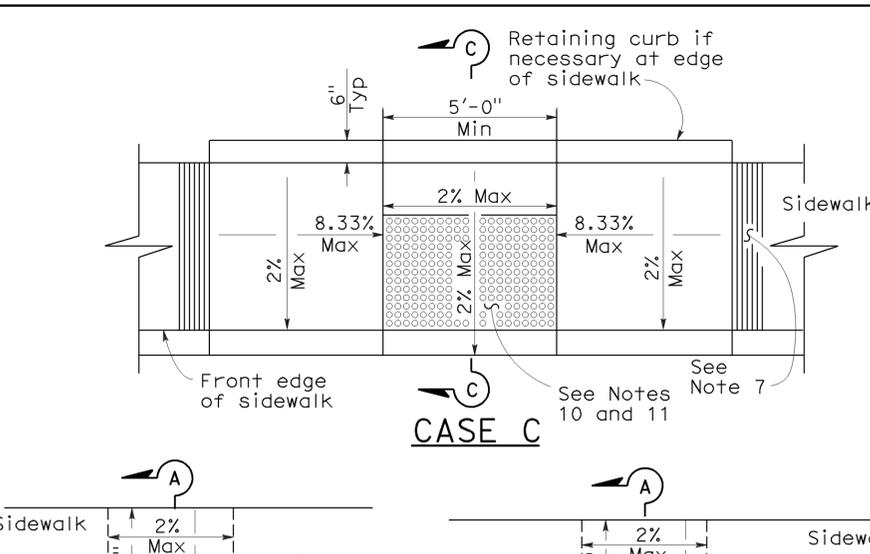
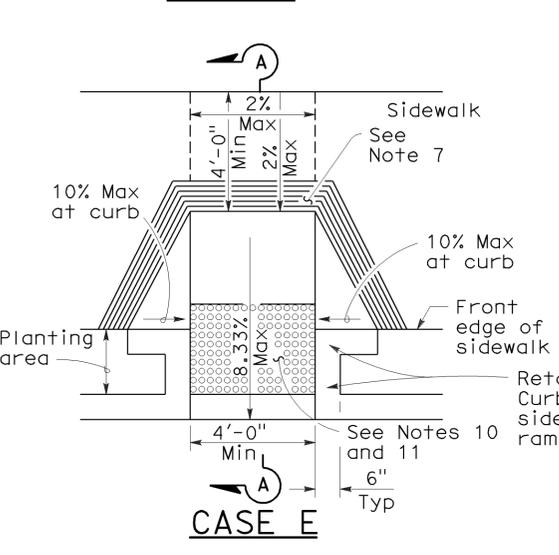
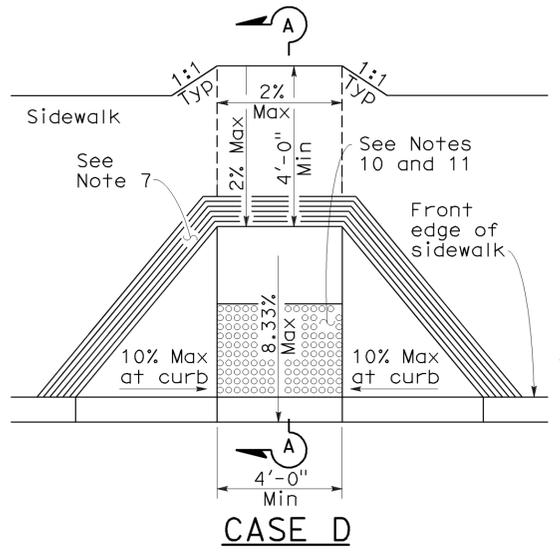
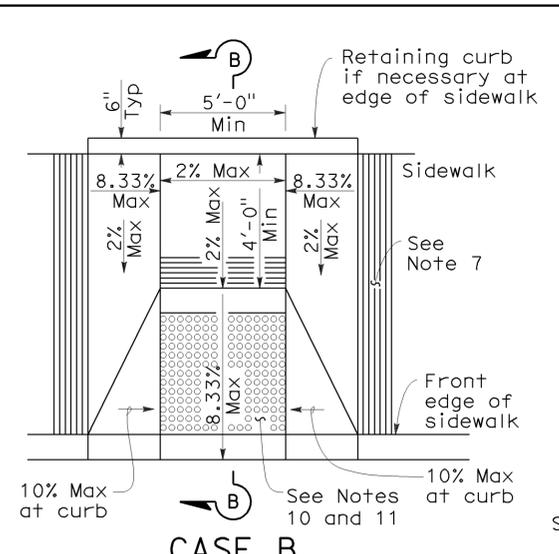
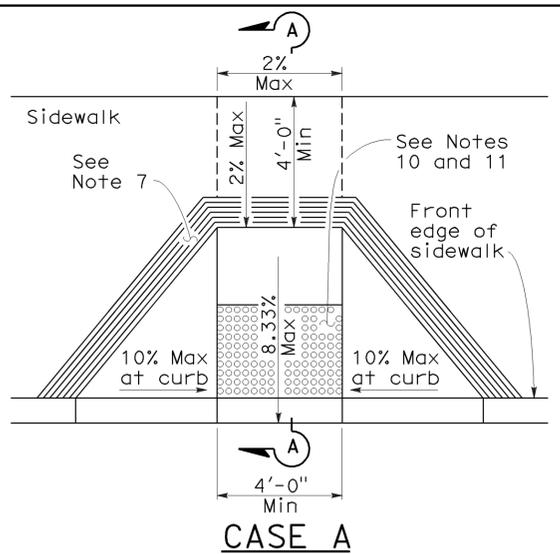
REVISED STANDARD PLAN RSP A24C

2010 REVISED STANDARD PLAN RSP A24C

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	39	52

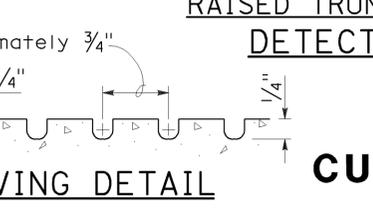
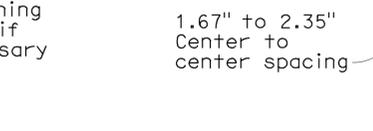
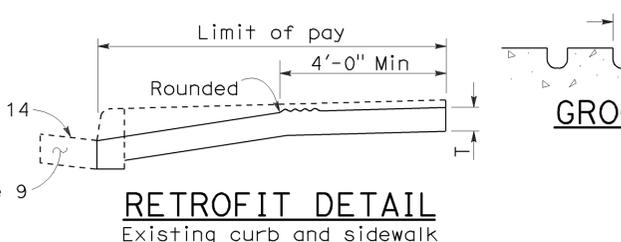
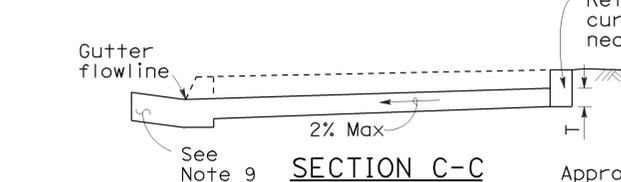
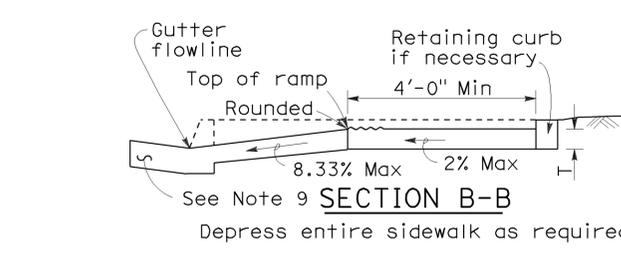
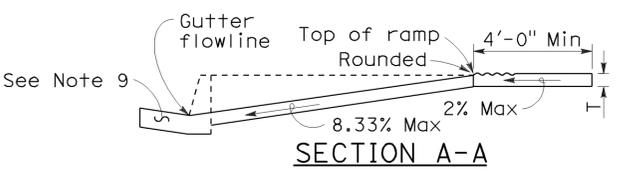
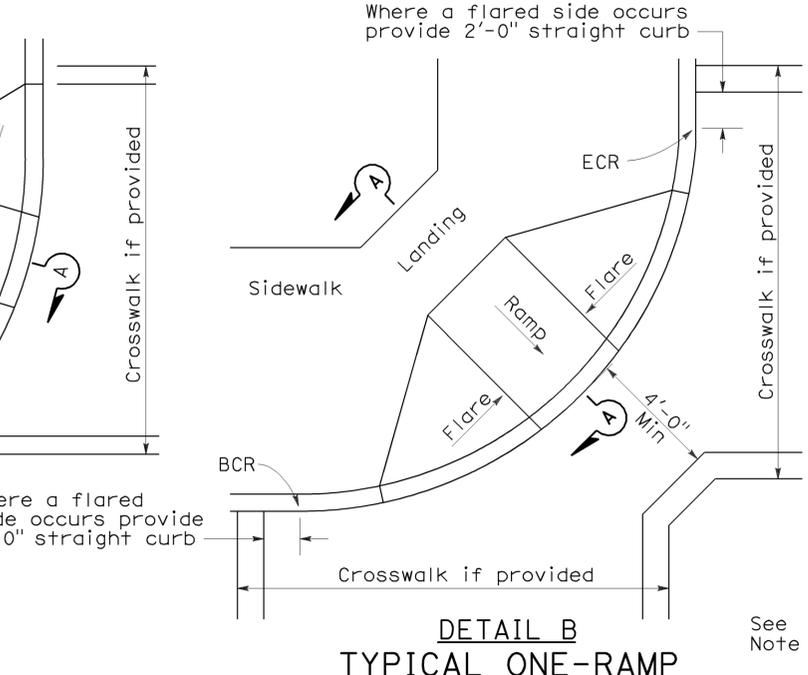
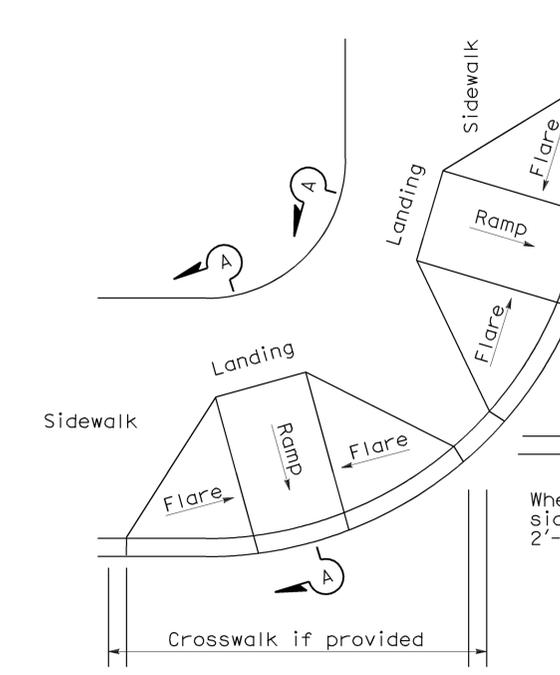
H. David Cordova
 REGISTERED CIVIL ENGINEER
 September 1, 2006
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
Hector David Cordova
No. C41957
Exp. 3-31-08
CIVIL
STATE OF CALIFORNIA



NOTES:

- As site conditions dictate, Case A through Case G curb ramps may be used for corner installations similar to those shown in Detail A and Detail B. The case of curb ramps used in Detail A do not have to be the same. Case A through Case G curb ramps also may be used at mid block locations, as site conditions dictate.
- If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-0" platform (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B, or C or may be widened as in Case D.
- When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
- As site conditions dictate, the retaining curb side and the flared side of the Case G ramp shall be constructed in reversed position.
- If located on a curve, the sides of the ramp need not be parallel, but the minimum width of the ramp shall be 4'-0".
- Side slope of ramp flares vary uniformly from a maximum of 10% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
- The curb ramp shall be outlined, as shown, with a 1'-0" wide border with 1/4" grooves approximately 3/4" on center. See grooving detail.
- Transitions from ramps and landing to walks, gutters or streets shall be flush and free of abrupt changes.
- Maximum slopes of adjoining gutters, the road surface immediately adjacent to the curb ramp or accessible route shall not exceed 5 percent within 4'-0" of the top and bottom of the curb ramp.
- Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. Detectable Warning Surfaces shall conform to the details on this plan and the requirements in the Special Provisions.
- The edge of the detectable warning surface nearest the street shall be between 6" and 8" from the gutter flowline.
- Sidewalk and ramp thickness, "T", shall be 3/2" minimum.
- Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
- For retrofit conditions, removal and replacement of curb apron will be at the Contractor's option, unless otherwise shown on project plans.



RAISED TRUNCATED DOME PATTERN (IN-LINE) DETECTABLE WARNING SURFACE

CURB RAMP DETAILS
NO SCALE

TYPICAL TWO-RAMP CORNER INSTALLATION
See Note 1

TYPICAL ONE-RAMP CORNER INSTALLATION
See Notes 1 and 3

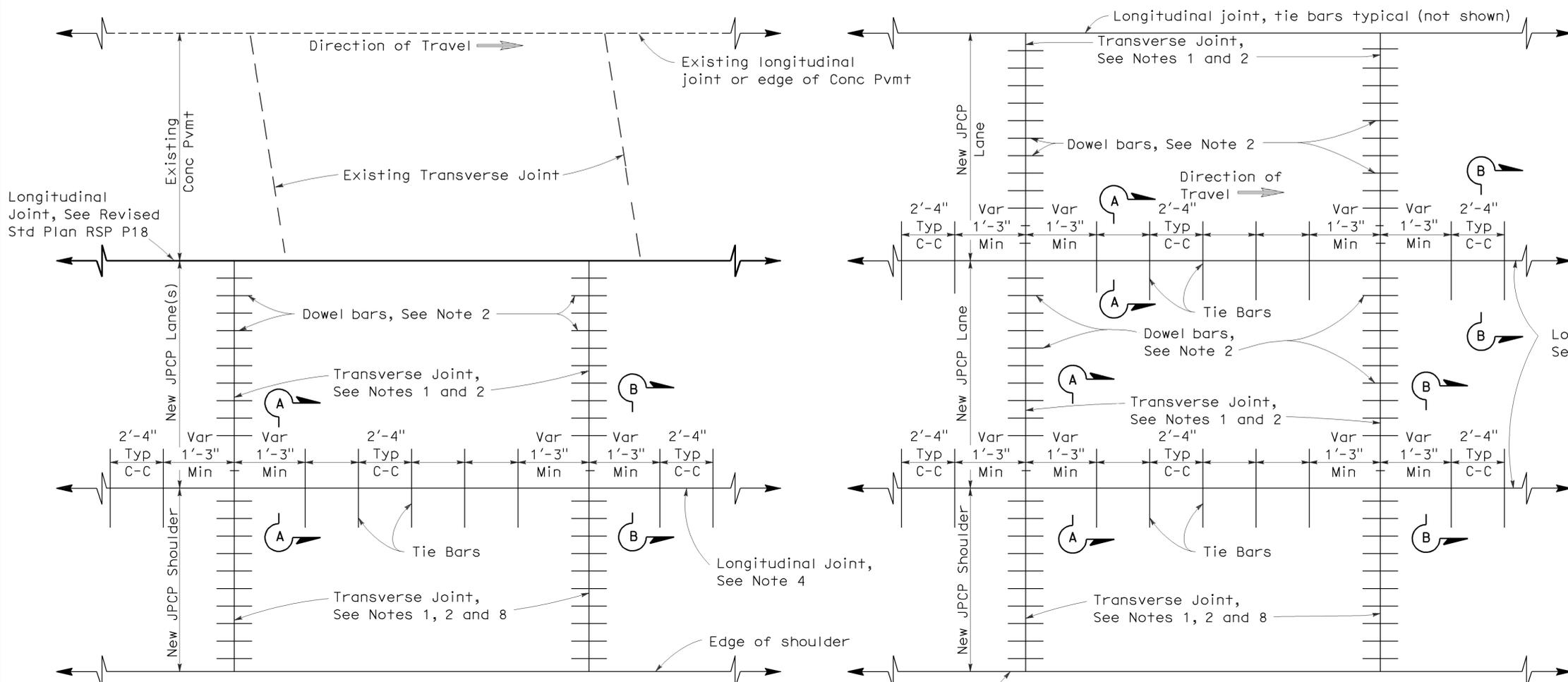
RETROFIT DETAIL
Existing curb and sidewalk

2006 REVISED STANDARD PLAN RSP A88A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	40	52

William K. Farnbach
 REGISTERED CIVIL ENGINEER
 May 15, 2009
 PLANS APPROVAL DATE
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2006 REVISED STANDARD PLAN RSP P1

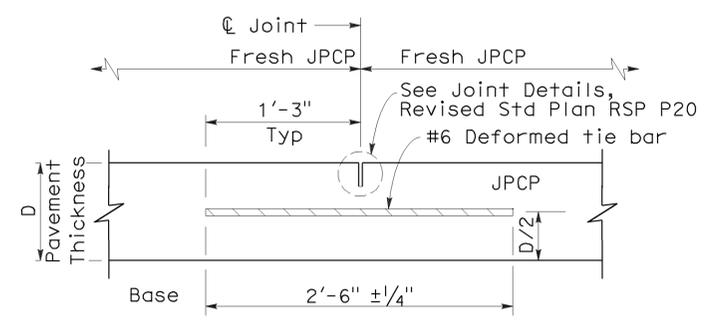


PLAN
LANE/SHOULDER ADDITION OR RECONSTRUCTION
 See Notes 6 and 7

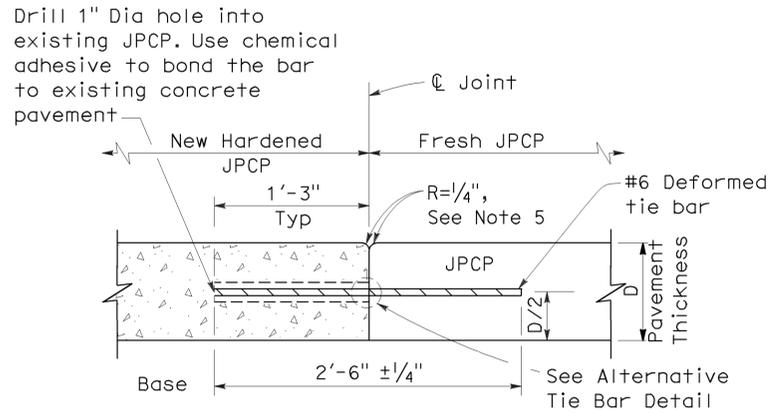
PLAN
NEW CONSTRUCTION
 See Notes 6 and 7

NOTES:

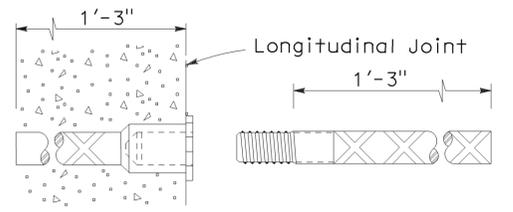
1. Transverse joints shall be constructed at right angles to the longitudinal pavement joints in new jointed plain concrete pavement and spaced at successive repeated intervals of 12', 15', 13' and 14'.
2. For transverse joint and dowel bar details not shown, See Revised Standard Plan RSP P10.
3. Construct longitudinal contraction joints as shown in Section A-A when more than one lane or shoulder widths are placed at one time. If constructing one lane at a time, use longitudinal construction joint, as shown in Section B-B.
4. For additional longitudinal joint details, see Revised Standard Plan RSP P18.
5. If fresh concrete is placed adjacent to existing concrete, the top corner of the new hardened concrete does not need to be rounded to the 1/4" radius as shown.
6. Joint spacing patterns do not apply to intersections.
7. Details can also apply to inside widening.
8. Dowel bars may be omitted from shoulders when the shoulder cross slope is not the same as the adjacent traffic lane.



SECTION A-A
LONGITUDINAL CONTRACTION JOINT



SECTION B-B
LONGITUDINAL CONSTRUCTION JOINT



ALTERNATIVE TIE BAR SPLICE DETAIL
 (Splice Coupler)

TIE BAR DETAILS

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
JOINTED PLAIN CONCRETE PAVEMENT

NO SCALE

RSP P1 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P1
 DATED MAY 1, 2006 - PAGE 119 OF THE STANDARD PLANS BOOK DATED MAY 2006.

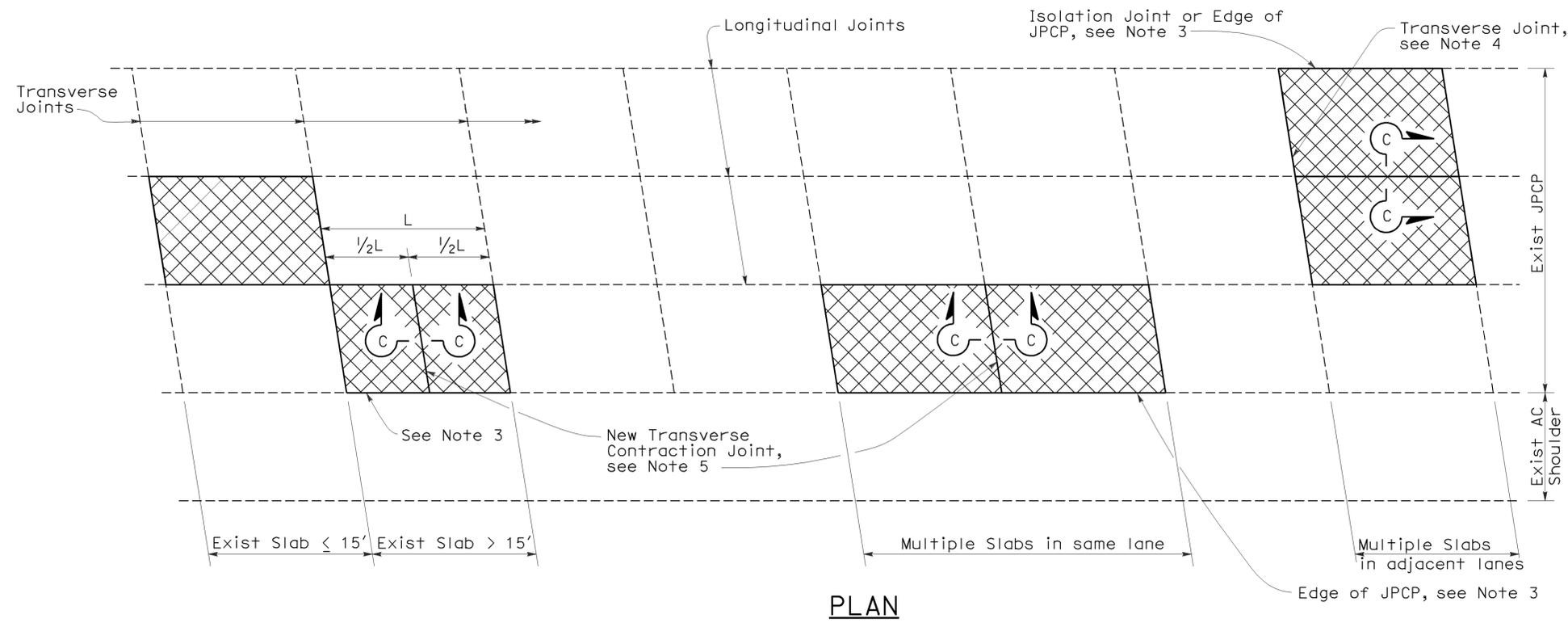
REVISED STANDARD PLAN RSP P1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	41	52

William K. Farnbach
 REGISTERED CIVIL ENGINEER
 April 20, 2012
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 William K. Farnbach
 No. C49042
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

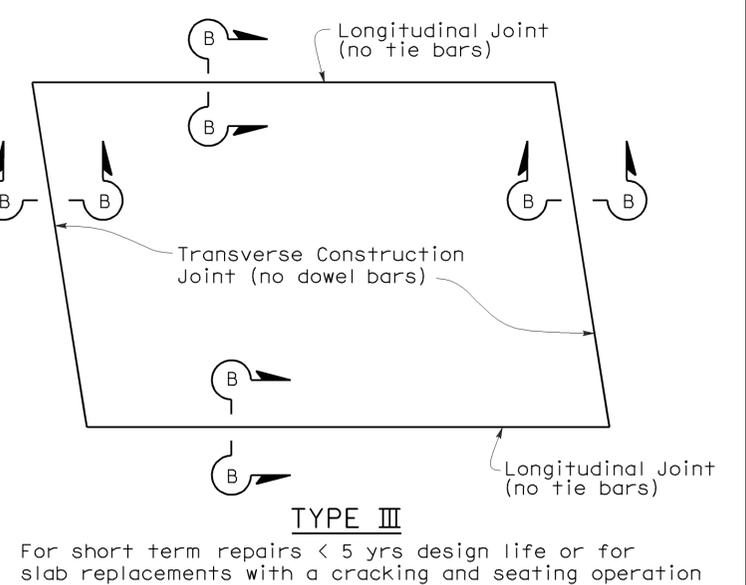
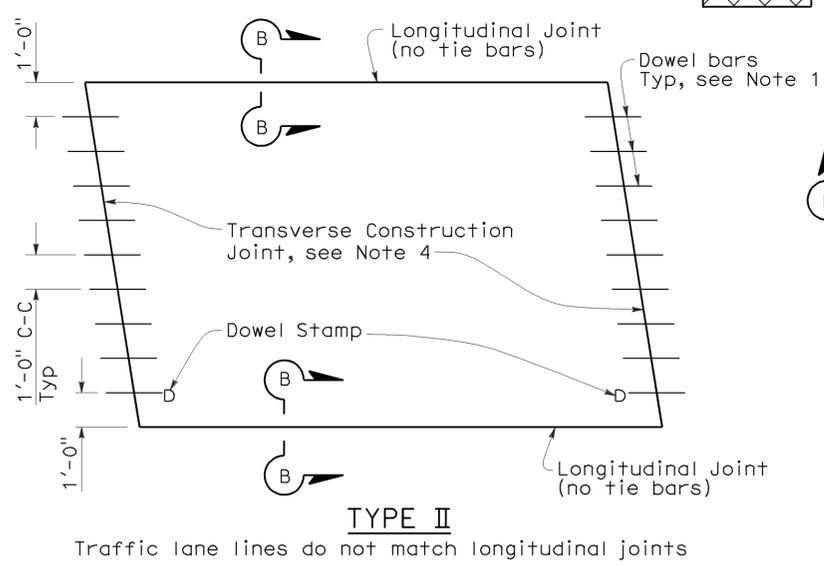
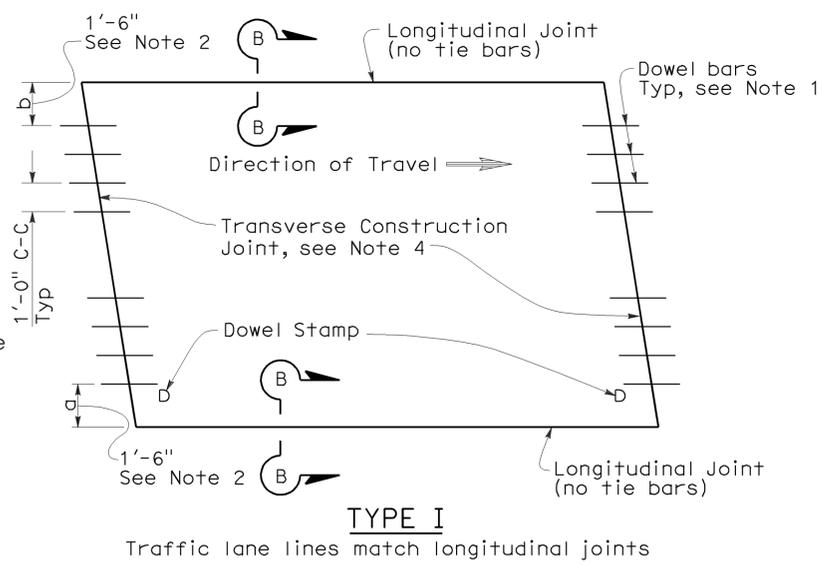
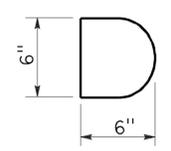
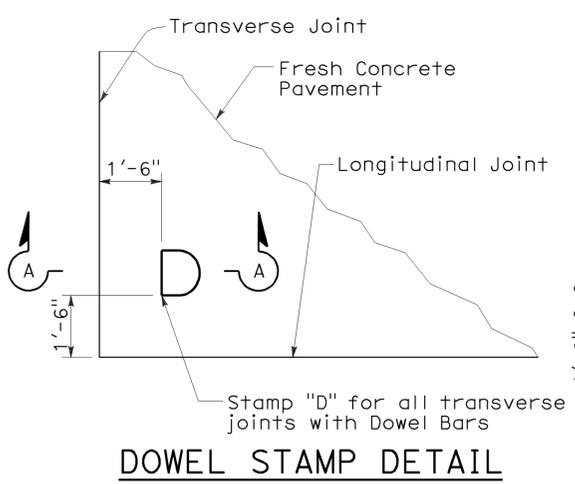
To accompany plans dated 8-6-12



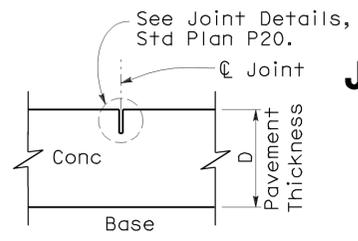
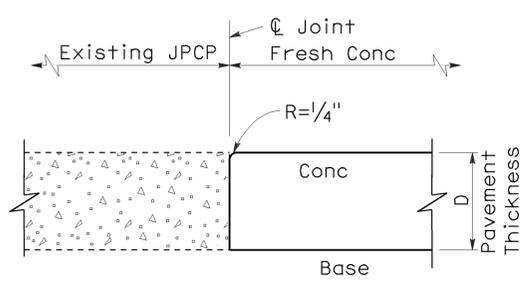
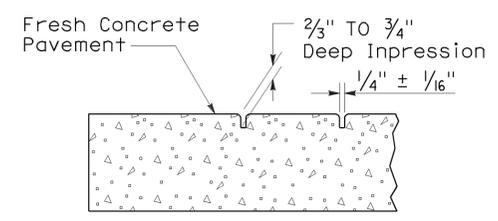
NOTES:

- For details not shown, see Revised Standard Plan RSP P10.
- Where the existing outer shoulder pavement is asphalt concrete pavement, the "a" dimension shall be 1'-0" and the "b" dimension shall be 2'-0".
- Side forms shall be used where edge of pavement is adjacent to asphalt concrete.
- For detail, see Transverse Construction Joint for existing concrete pavement detail on Revised Standard Plan RSP P10.
- Transverse joint to match skew of existing joint. Omit dowel bars.

LEGEND



SLAB LAYOUT

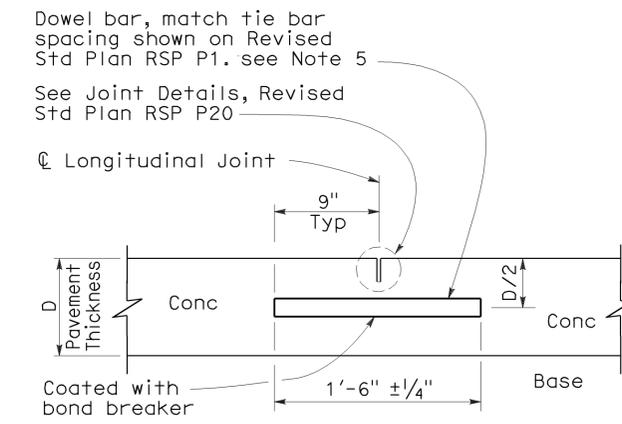
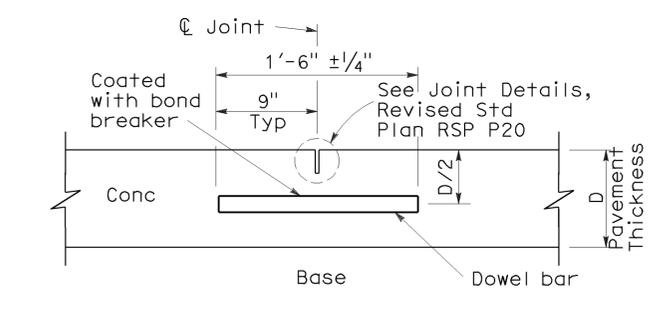
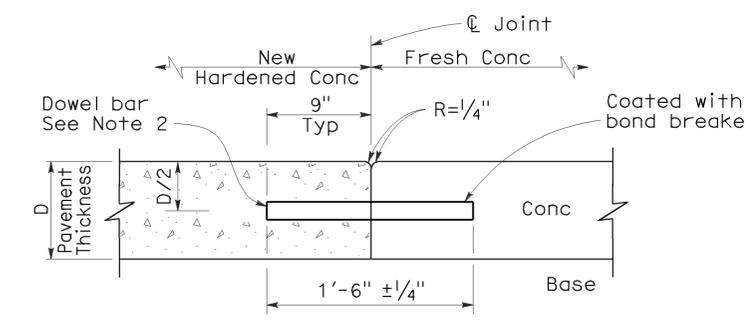
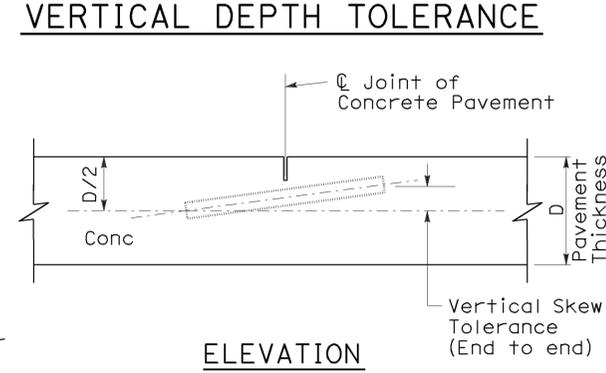
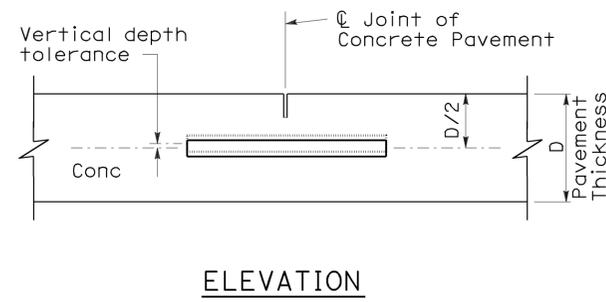
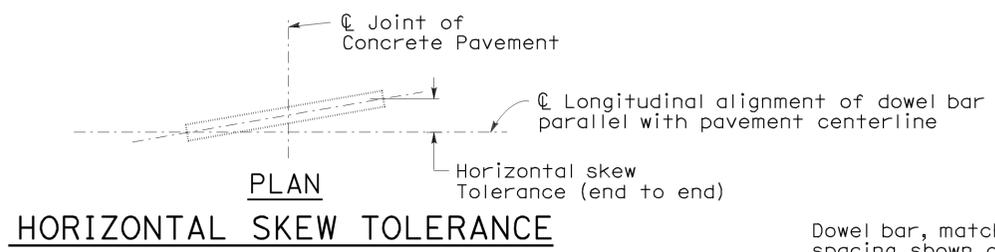
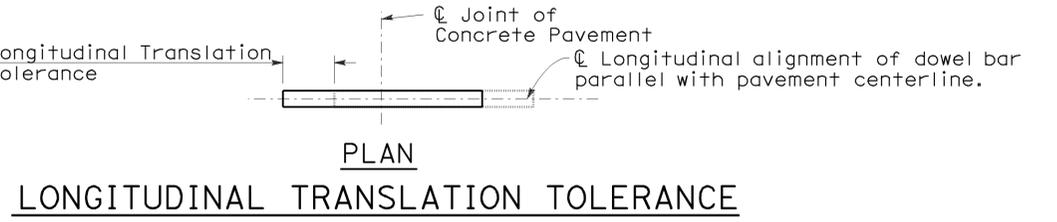
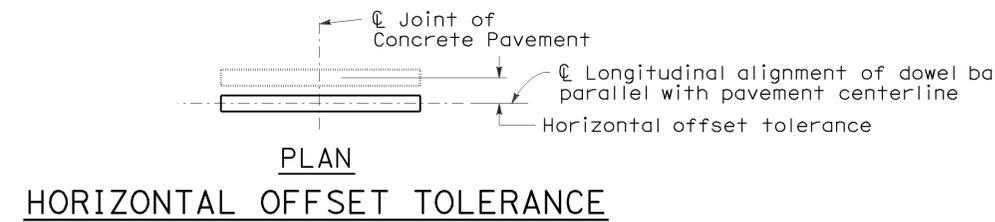
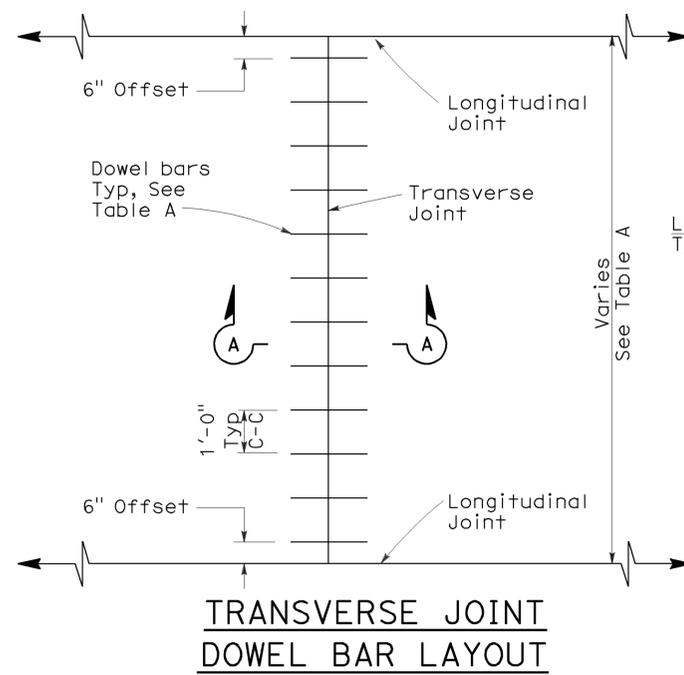


STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
JOINED PLAIN CONCRETE PAVEMENT - INDIVIDUAL SLAB REPLACEMENT
 NO SCALE

RSP P8 DATED APRIL 20, 2012 SUPERSEDES RSP P8 DATED MAY 15, 2009, RSP P8 DATED SEPTEMBER 1, 2006 AND STANDARD PLAN P8 DATED MAY 1, 2006 - PAGE 123 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P8

2006 REVISED STANDARD PLAN RSP P8



SECTION A-A
TRANSVERSE
CONSTRUCTION JOINT DETAIL

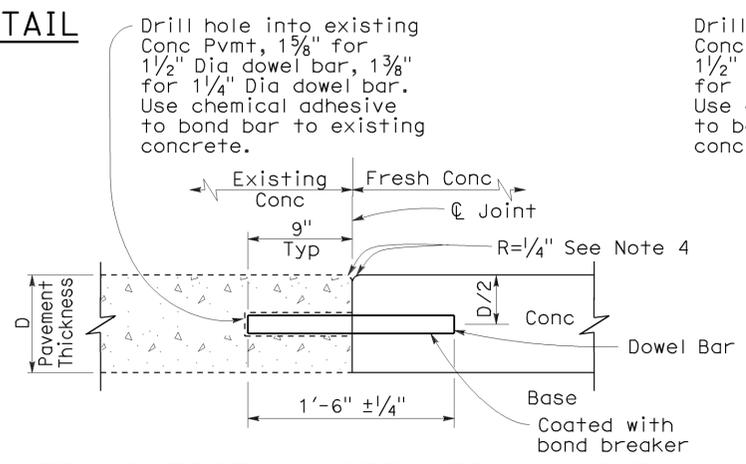
TRANSVERSE CONTRACTION JOINT

LONGITUDINAL CONTRACTION
JOINT WITH DOWEL BARS

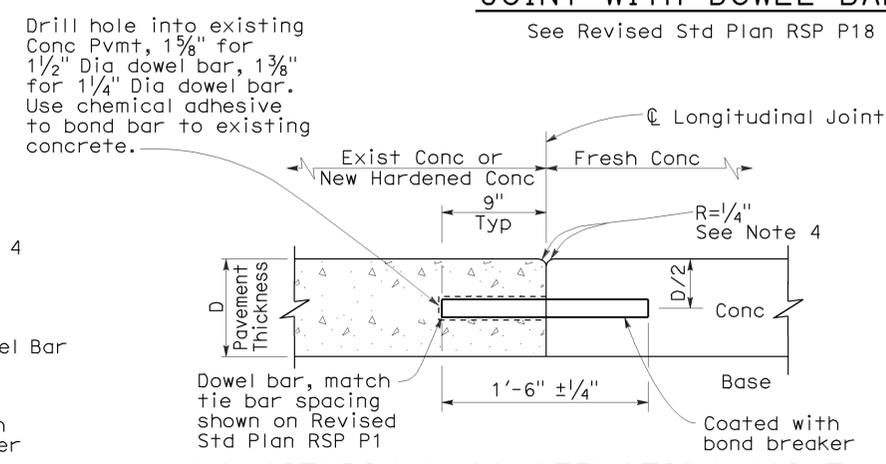
TABLE A (See Note 3)

Dowel Bar Transverse Spacing Table

Width between Longitudinal Joints	Number of Dowels between Longitudinal Joints
14'-0"	14
13'-0"	13
12'-0"	12
11'-0"	11
10'-0"	10
8'-0"	8
5'-0"	5
4'-0"	4



TRANSVERSE CONSTRUCTION JOINT
FOR EXISTING CONCRETE PAVEMENT



LONGITUDINAL CONSTRUCTION JOINT
WITH DOWEL BARS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

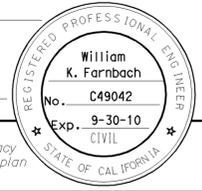
**CONCRETE PAVEMENT-
DOWEL BAR
DETAILS**

NO SCALE

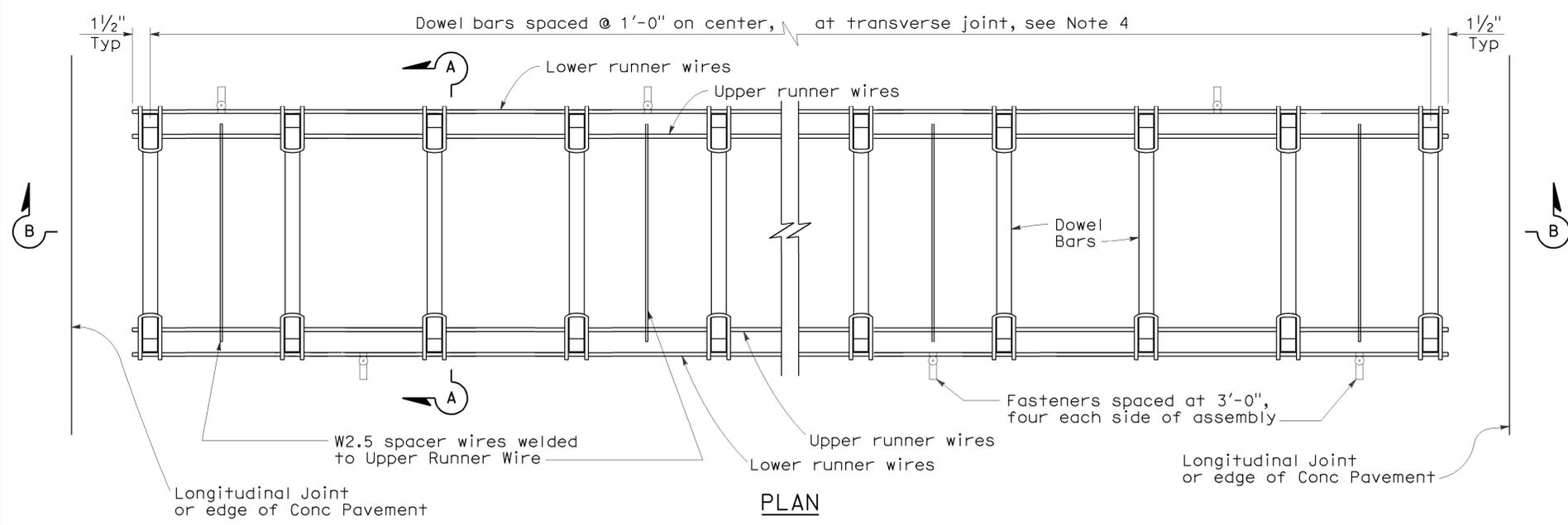
RSP P10 DATED APRIL 20, 2012 SUPERSEDES RSP P10 DATED MAY 15, 2009
AND STANDARD PLAN P10 DATED MAY 1, 2006 - PAGE 124 OF
THE STANDARD PLANS BOOK DATED MAY 2006.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	43	52

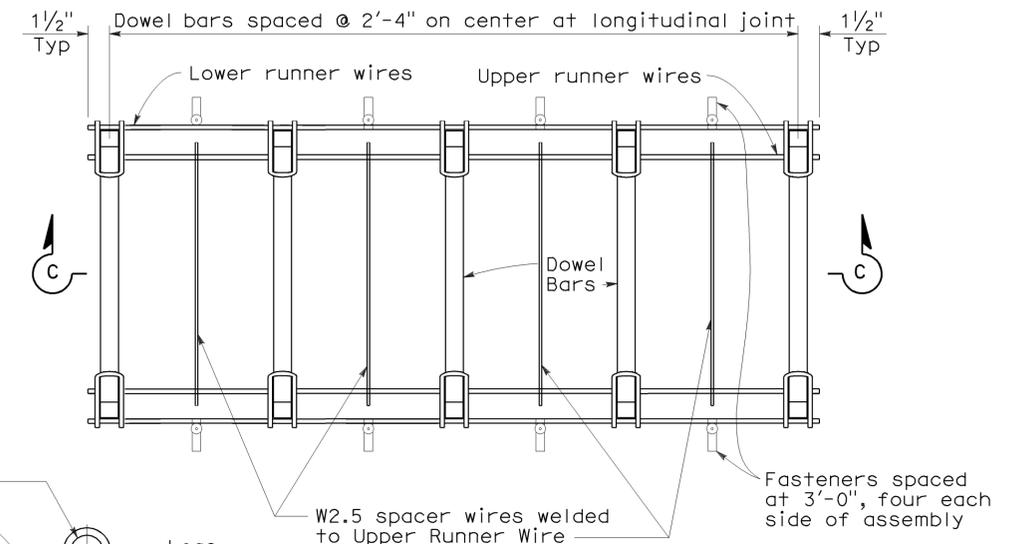
William K. Farnbach
 REGISTERED CIVIL ENGINEER
 May 15, 2009
 PLANS APPROVAL DATE
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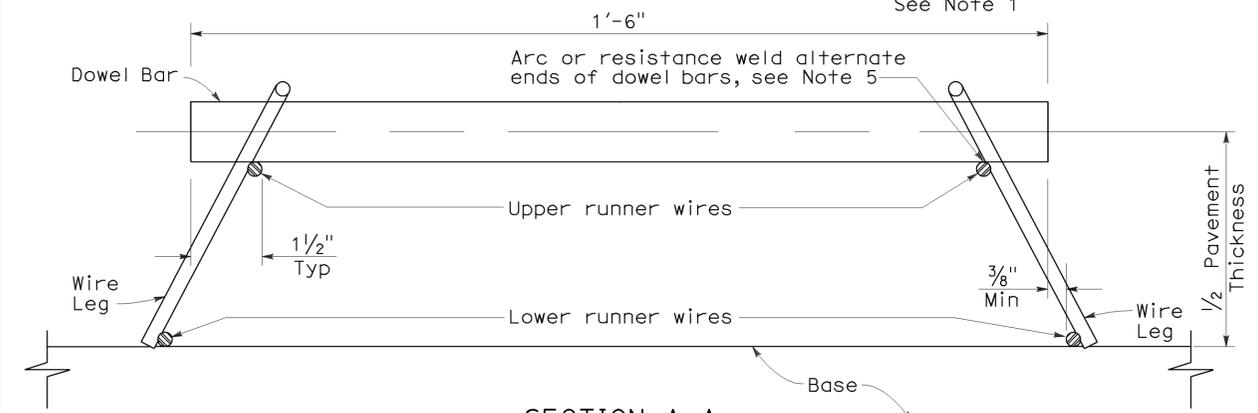
To accompany plans dated 8-6-12



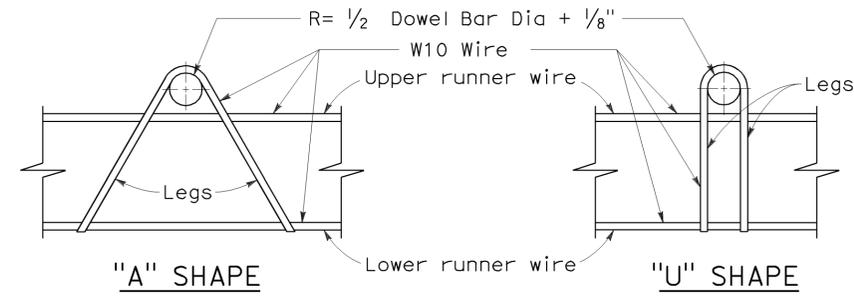
**PLAN
DOWEL BAR BASKET
(TRANSVERSE JOINT)**
See Note 1



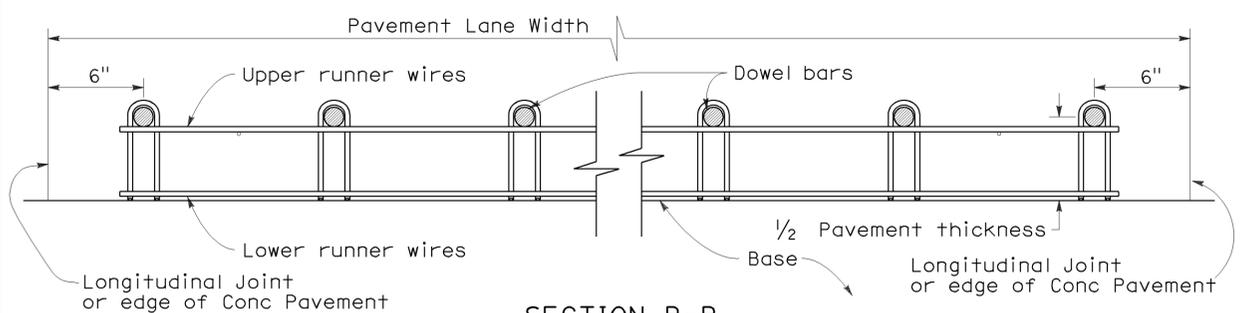
**PLAN
DOWEL BAR BASKET
(LONGITUDINAL JOINT)**
See Note 1



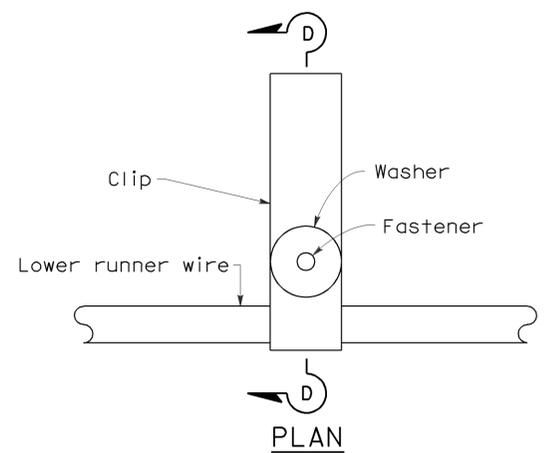
SECTION A-A



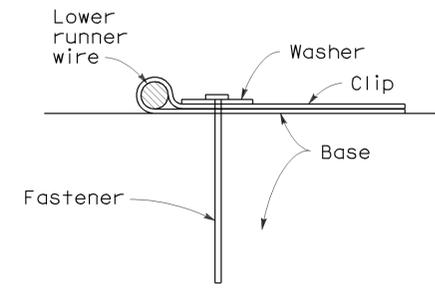
ASSEMBLY FRAME DETAILS



SECTION B-B
See Note 1



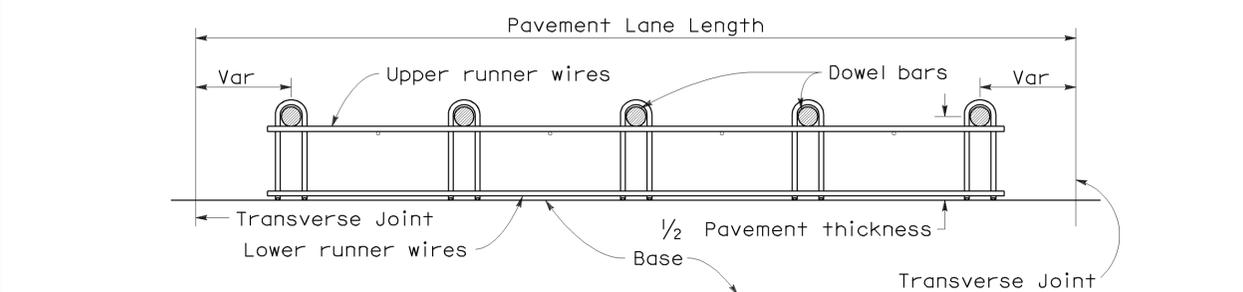
FASTENER DETAIL



SECTION D-D

NOTES:

- "U" frame shape assembly shown. "U" frame shape or "A" frame shape are acceptable.
- Wire sizes shown are minimum required.
- All wire intersections are to be resistance welded.
- Use tie bar spacing for longitudinal dowel bar locations. See Revised Std Plans RSPs P1, P2, and P3 for tie bar requirements.
- Weld may be at top or bottom of dowel bar.



SECTION C-C
See Notes 1 and 4

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**CONCRETE PAVEMENT-
DOWEL BAR BASKET
DETAILS**

NO SCALE

RSP P12 DATED MAY 15, 2009 SUPERSEDES RSP P12 DATED NOVEMBER 17, 2006 AND STANDARD PLAN P12 DATED MAY 1, 2006 - PAGE 125 OF THE STANDARD PLANS BOOK DATED MAY 2006.

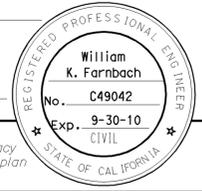
REVISED STANDARD PLAN RSP P12

2006 REVISED STANDARD PLAN RSP P12

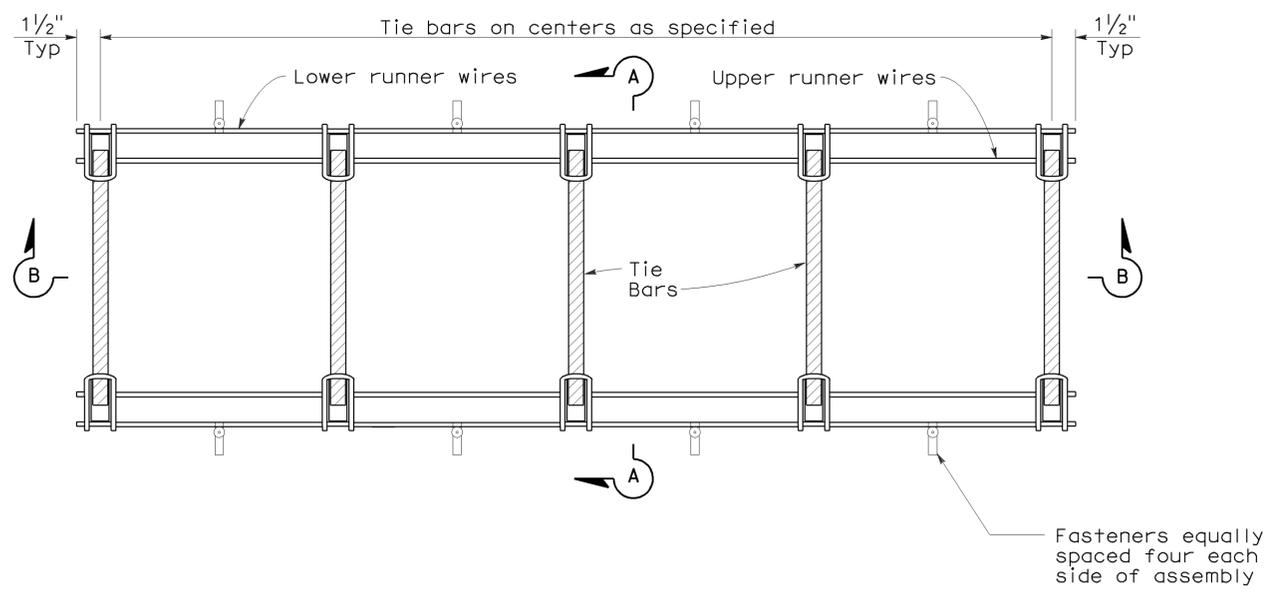
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	44	52

William K. Farnbach
 REGISTERED CIVIL ENGINEER
 May 15, 2009
 PLANS APPROVAL DATE

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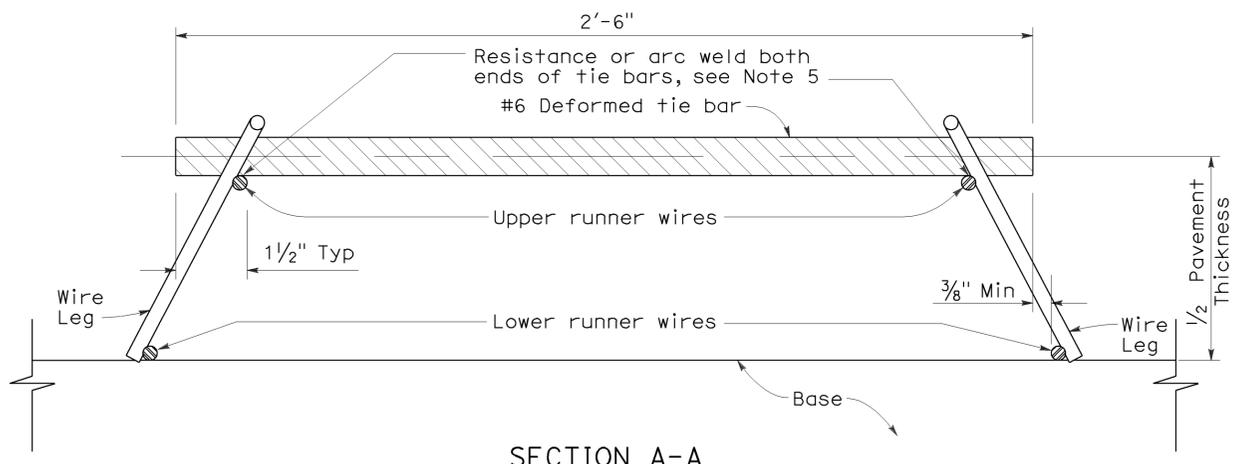


To accompany plans dated 8-6-12

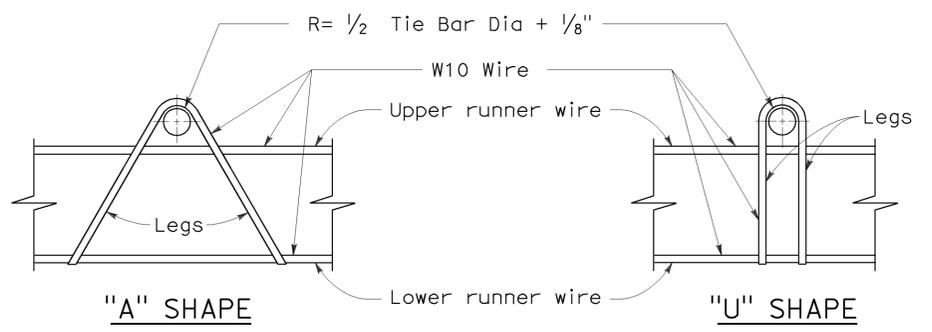


PLAN
TIE BAR BASKET
(TIE BARS AT LONGITUDINAL JOINT)
See Note 1

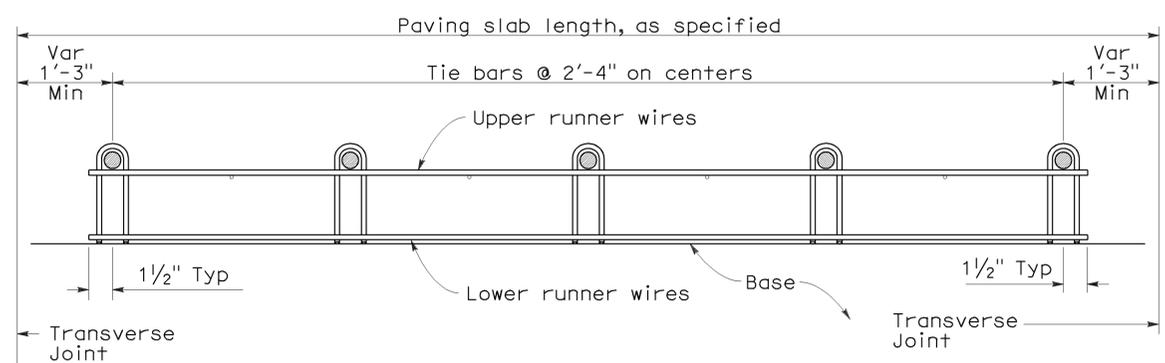
- NOTES:**
- "U" frame shape assembly shown. "U" frame shape or "A" frame shape are acceptable.
 - Wire sizes shown are minimum required.
 - All wire intersections are to be resistance welded.
 - Not for use on nondoweled skewed jointed plain concrete pavement.
 - Weld may be at top or bottom of tie bar.



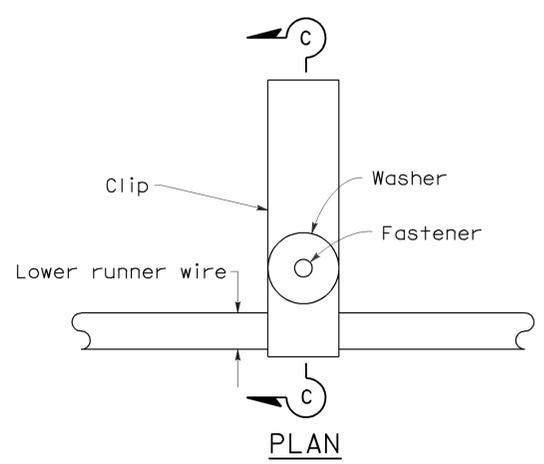
SECTION A-A



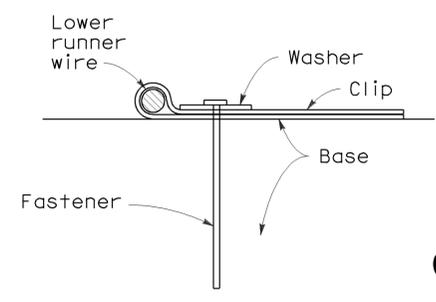
ASSEMBLY FRAME DETAILS



SECTION B-B
See Note 1



FASTENER DETAIL



SECTION C-C

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**CONCRETE PAVEMENT -
TIE BAR BASKET
DETAILS**

NO SCALE

RSP P17 DATED MAY 15, 2009 SUPERSEDES RSP P17 DATED NOVEMBER 17, 2006 AND STANDARD PLAN P17 DATED MAY 1, 2006 - PAGE 126 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P17

2006 REVISED STANDARD PLAN RSP P17

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	45	52

William K. Farnbach
 REGISTERED CIVIL ENGINEER
 April 20, 2012
 PLANS APPROVAL DATE

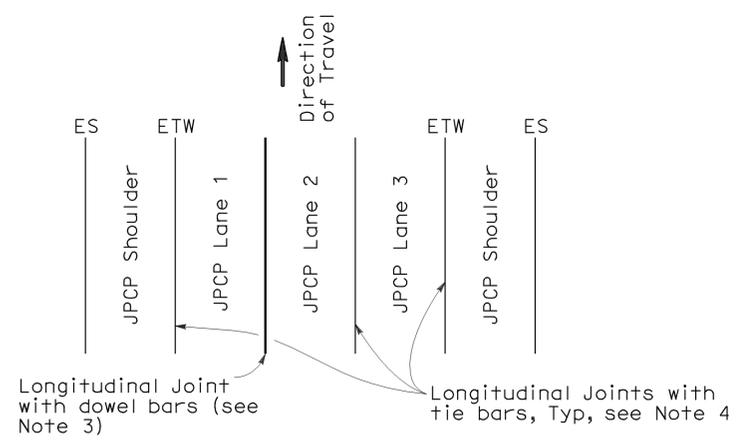
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REGISTERED PROFESSIONAL ENGINEER
 William K. Farnbach
 No. C49042
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

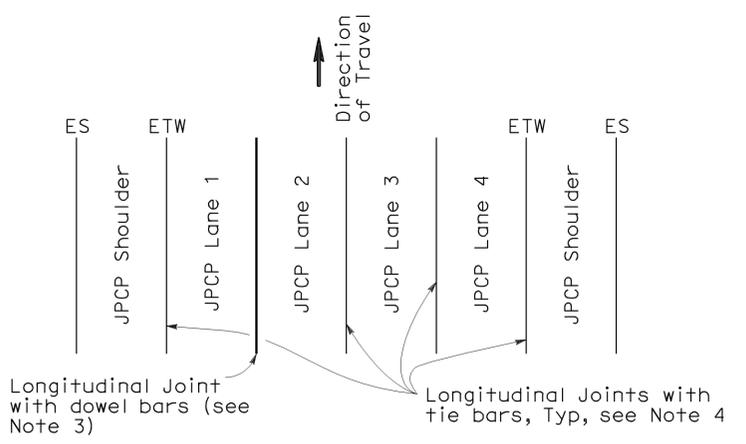
To accompany plans dated 8-6-12

NOTES:

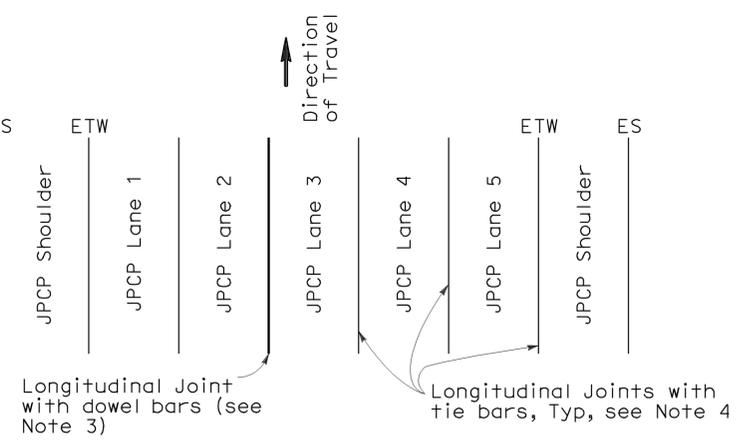
- Where Lean Concrete Base is not used as base material, the joint filler material used for the longitudinal isolation joint shall only extend to the bottom of the new concrete slab. See Detail A.
- Use $\frac{5}{8}'' \pm \frac{1}{16}''$ dimension for silicone sealant.
- See Revised Standard Plan RSP P10 for longitudinal joint with dowel bars.
- See Revised Standard Plan RSP P1.
- See Revised Standard Plan RSP P2.



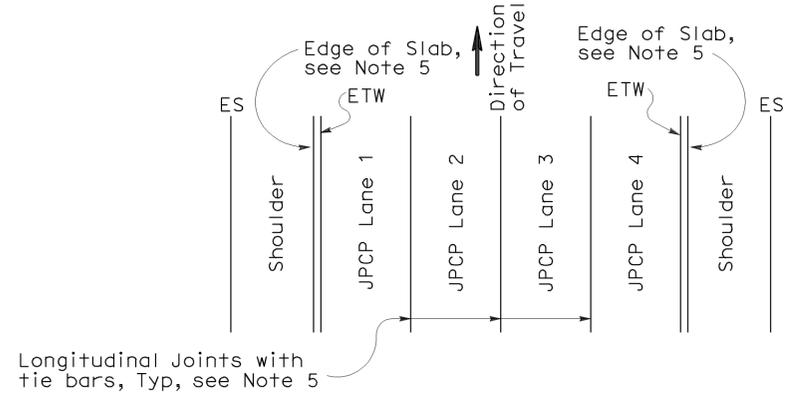
3 LANES WITH TIED CONCRETE SHOULDERS
PLAN



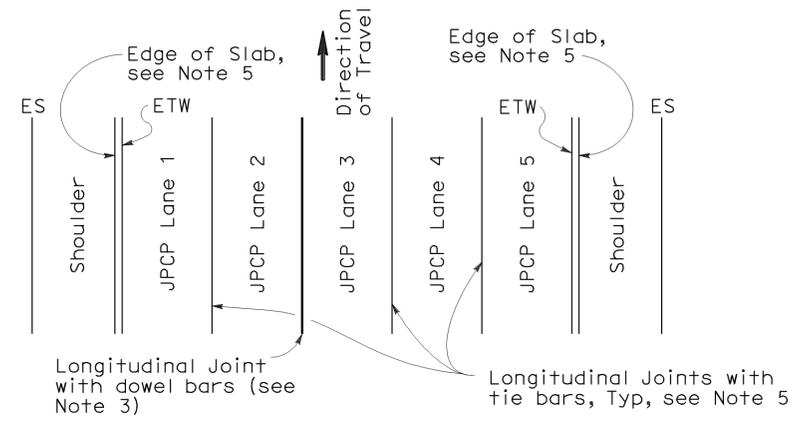
4 LANES WITH TIED CONCRETE SHOULDERS
PLAN



5 LANES WITH TIED CONCRETE SHOULDERS
PLAN



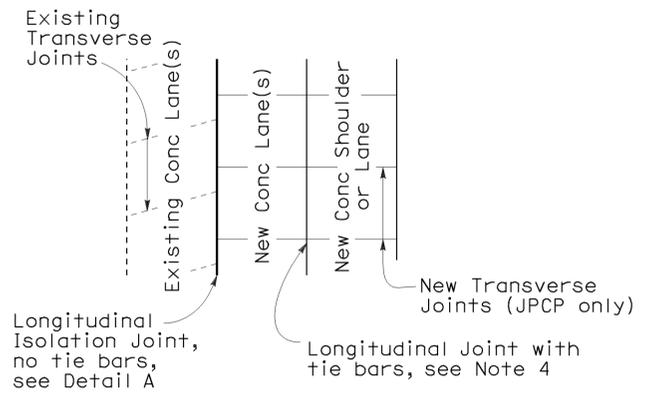
4 LANES OR LESS WITH WIDENED SLAB
PLAN



5 LANES WITH WIDENED SLAB
PLAN

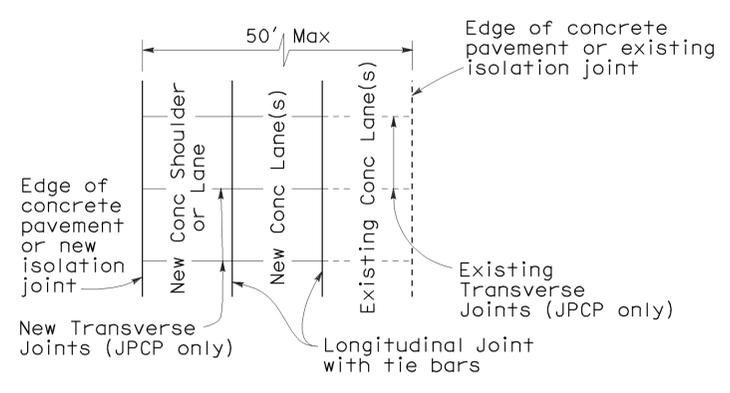
NEW CONSTRUCTION

Location of Longitudinal Joints For JPCP



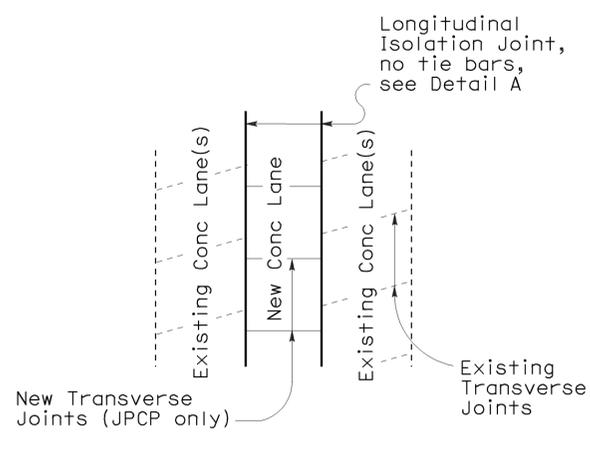
CASE 1
PLAN

Transverse Joints do not align between new and existing



CASE 2
PLAN

Transverse Joints align between new and existing

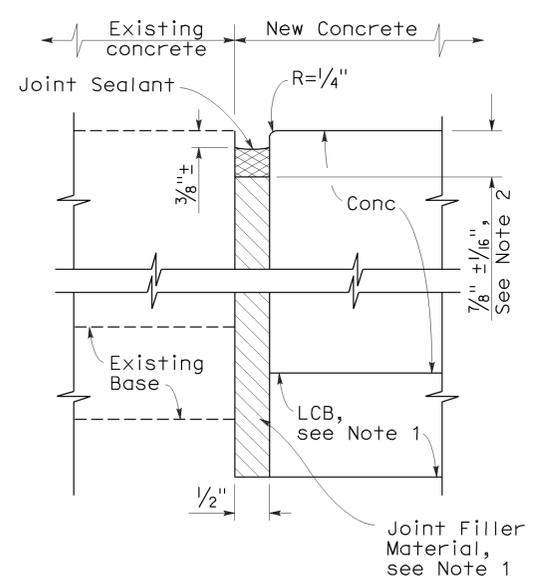


CASE 3 (INTERIOR LANE REPLACEMENT)
PLAN

Transverse Joints do not align between new and existing

LANE/SHOULDER ADDITION OR RECONSTRUCTION

For JPCP and CRCP



DETAIL A
ISOLATION JOINT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**CONCRETE PAVEMENT-
LANE SCHEMATICS
AND ISOLATION JOINT DETAIL**

NO SCALE

RSP P18 DATED APRIL 20, 2012 SUPERSEDES RSP P18 DATED JUNE 5, 2009, RSP P18 DATED MAY 15, 2009,
RSP P18 DATED NOVEMBER 17, 2006 AND STANDARD PLAN P18 DATED MAY 1, 2006 -
PAGE 127 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P18

2006 REVISED STANDARD PLAN RSP P18

NOTE:

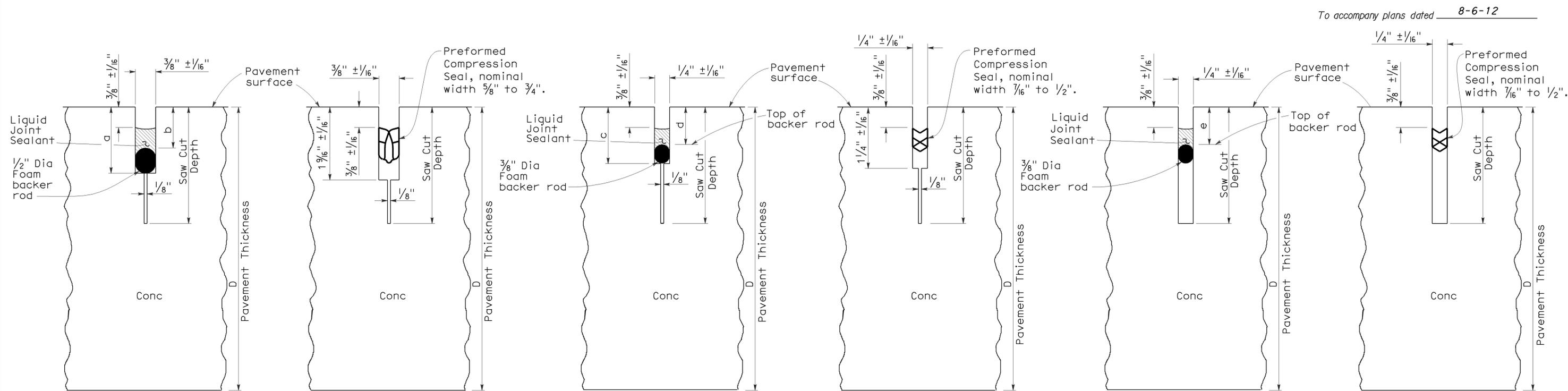
1. Tie bars, dowel bars, and reinforcement are not shown in joint seal details, see Revised Standard Plans RSP P1, RSP P3, RSP P10, RSP P35, RSP P45, or RSP P46 as applicable.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	46	52

William K. Farnbach
 REGISTERED CIVIL ENGINEER
 No. C49042
 Exp. 9-30-10
 CIVIL
 STATE OF CALIFORNIA

May 15, 2009
 PLANS APPROVAL DATE

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LIQUID SEALANT

COMPRESSION SEAL

LIQUID SEALANT

COMPRESSION SEAL

LIQUID SEALANT

COMPRESSION SEAL

TYPE A1

TYPE A2

TYPE B

Transverse Contraction Joints

Longitudinal Contraction Joints

Longitudinal or Transverse Contraction Joint

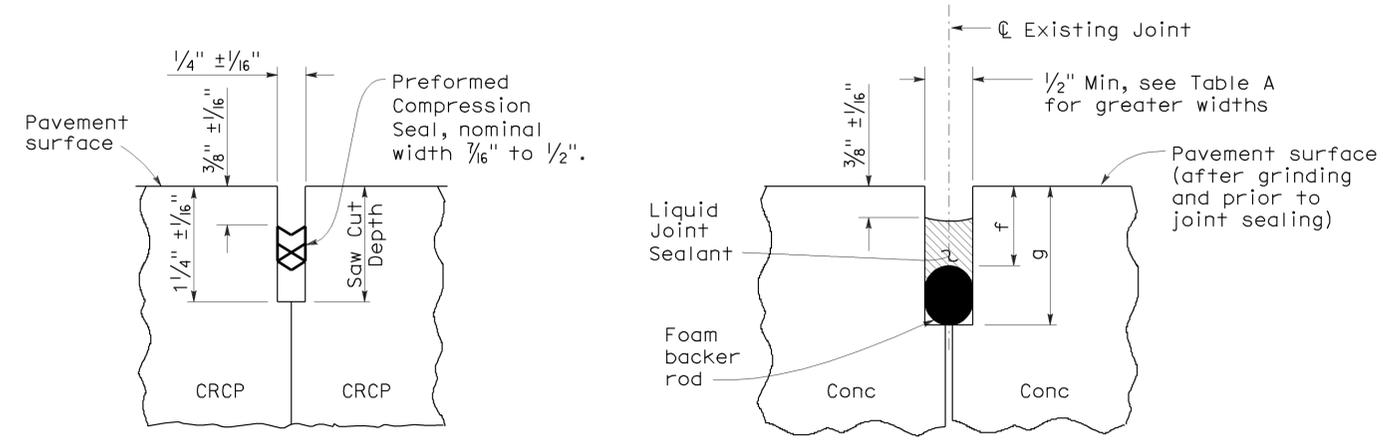
To accompany plans dated 8-6-12

LIQUID SEALANT RESERVOIR DEPTH

LIQUID SEALANT MATERIAL	3/8" Joint Width Type A1		1/4" Joint Width Type A2		1/4" Joint Width Type B
	DIMENSION		DIMENSION		DIMENSION
	a	b	c	d	e
SILICONE	1" ± 1/16"	5/8" ± 1/16"	15/16" ± 1/16"	9/16" ± 1/16"	9/16" ± 1/16"
ASPHALT RUBBER	1 3/16" ± 1/16"	3/4" ± 1/16"	1 1/16" ± 1/16"	11/16" ± 1/16"	11/16" ± 1/16"

TABLE A (TYPE R JOINT)

Sawn Joint Width	Backer Rod Diameter ± 1/16"	DIMENSION "f"	DIMENSION "g"
1"	1 5/16"	7/8"	2 1/4"
7/8"	1 3/16"	13/16"	2"
3/4"	1"	3/4"	1 3/4"
5/8"	7/8"	11/16"	1 1/2"
1/2"	11/16"	5/8"	1 1/4"



COMPRESSION SEAL

LIQUID SEALANT

TYPE C

TYPE R

Transverse and Longitudinal Construction Joints (For CRCP)

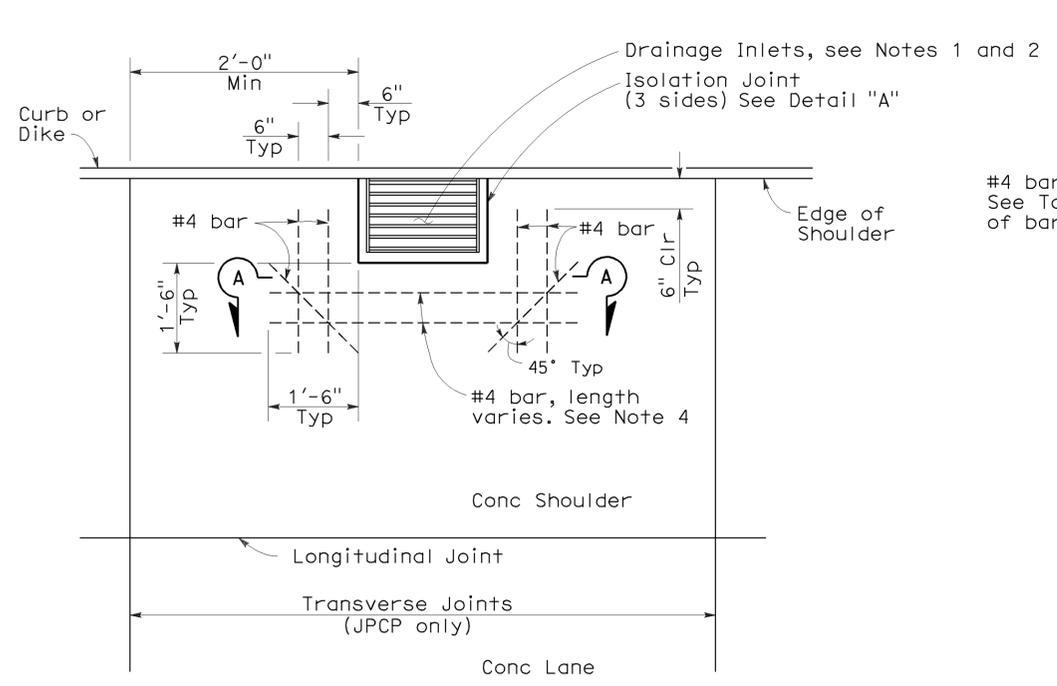
Retrofit Transverse and Longitudinal Joints

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
CONCRETE PAVEMENT-JOINT DETAILS
 NO SCALE

RSP P20 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P20
 DATED MAY 1, 2006 - PAGE 128 OF THE STANDARD PLANS BOOK DATED MAY 2006.

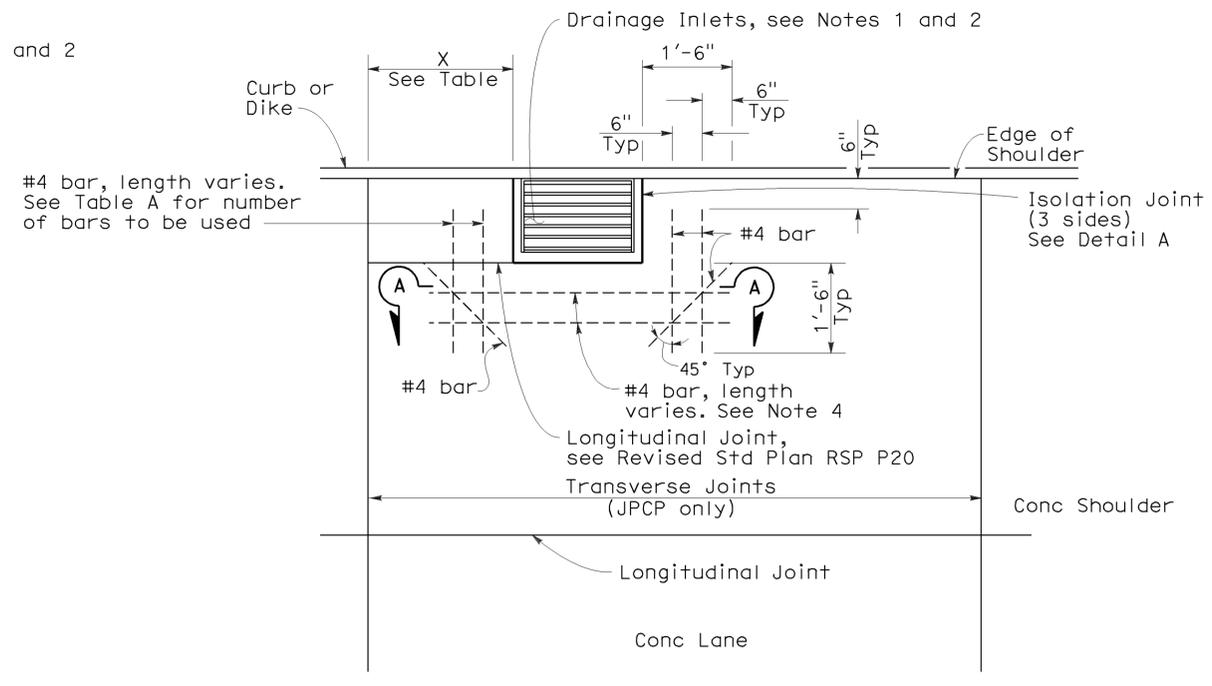
REVISED STANDARD PLAN RSP P20

2006 REVISED STANDARD PLAN RSP P20



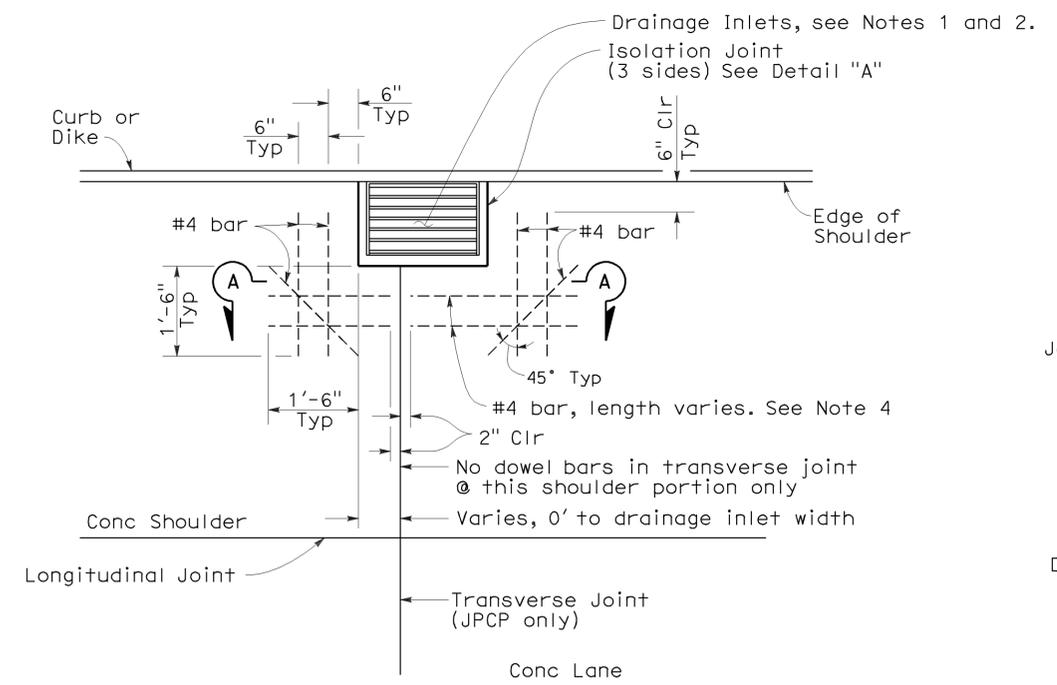
CASE 1

Transverse joint more than 2'-0" clear of drainage inlet wall or no transverse joint



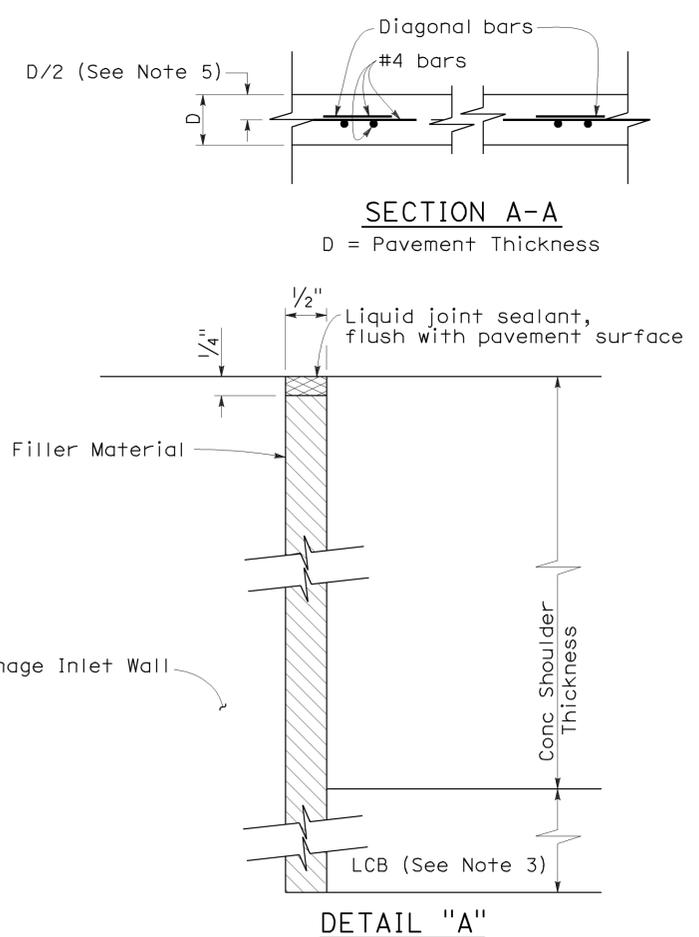
CASE 3

Transverse joint within 2'-0" of drainage inlet wall, or matches drainage inlet wall.



CASE 2

Transverse joint intersects drainage inlet, or matches drainage inlet wall.



DETAIL "A"

ISOLATION JOINT AROUND DRAINAGE INLET

NOTES:

1. Refer to Project Plans for location and Type of drainage inlets.
2. Top of inlet shall be flush with shoulder surface.
3. Extend joint filler material to bottom of Lean Concrete Base. Where Lean Concrete Base is not used as base material, the joint filler material shall only extend to the bottom of the new concrete pavement.
4. For Jointed Plain Concrete Pavement only. For Continuously Reinforced Concrete Pavement, terminate pavement steel reinforcement 2" clear from all outside edges of isolation joint.
5. For Jointed Plain Concrete Pavement only. For Continuously Reinforced Concrete Pavement, see New Standard Plan NSP P4.
6. Dowel and tie bars not shown, see Revised Standard Plan RSP P1.

TABLE A

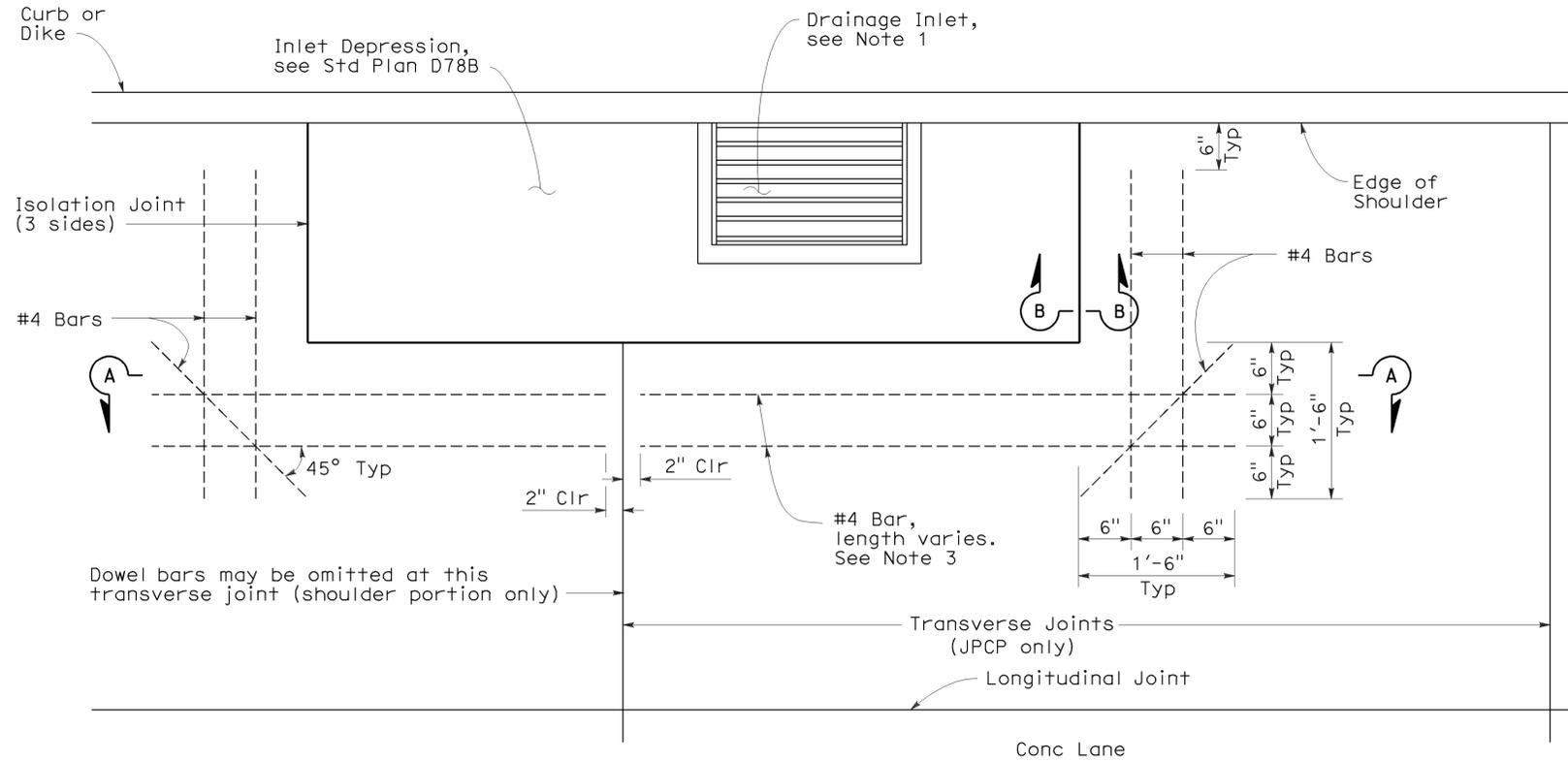
DISTANCE X	BARS REQUIRED
2'-0" to 1'-6"	2
1'-6" to 9"	1 @ X/2
9" or less	None

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**CONCRETE PAVEMENT-
 DRAINAGE INLET
 DETAILS No. 1**
 NO SCALE

RSP P45 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P45
 DATED MAY 1, 2006 - PAGE 132 OF THE STANDARD PLANS BOOK DATED MAY 2006.

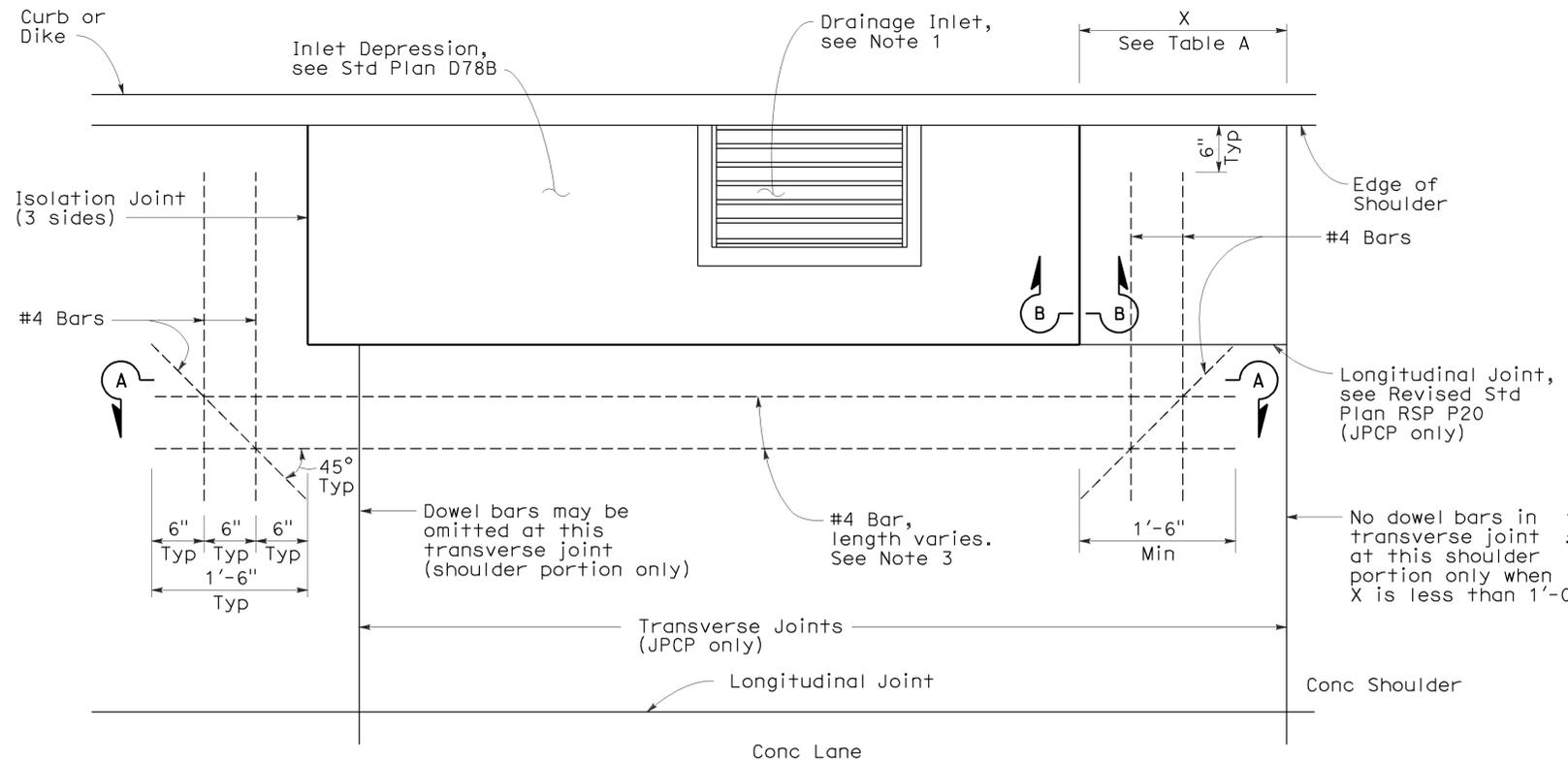
REVISED STANDARD PLAN RSP P45

To accompany plans dated 8-6-12



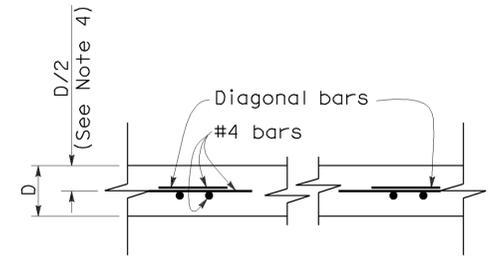
CASE A

Transverse Joint intersects inlet depression or no transverse joints.



CASE B

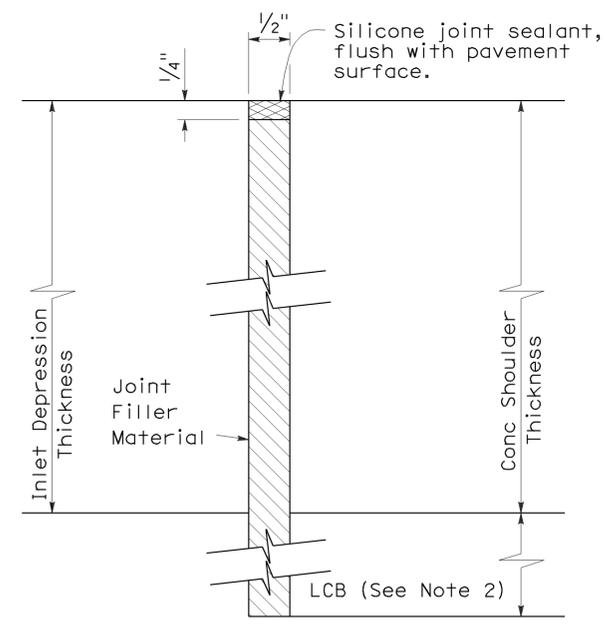
Transverse Joint within 2'-0" of edge of inlet depression.



SECTION A-A
D = Pavement Thickness

TABLE A

DISTANCE X	BARS REQUIRED
2'-0" to 1'-6"	2
1'-6" to 1'-0"	1
1'-0" or less	None



SECTION B-B

NOTES:

1. Refer to Project Plans for location and type of drainage inlets.
2. Extend joint filler material to bottom of Lean Concrete Base. Where Lean Concrete Base is not used as base material, the joint filler material shall only extend to the bottom of the new concrete pavement.
3. For Jointed Plain Concrete Pavement only. For Continuously Reinforced Concrete Pavement, terminate pavement steel reinforcement 2" clear from all outside edges of isolation joint.
4. For Jointed Plain Concrete Pavement only. For Continuously Reinforced Concrete Pavement, see New Standard Plan NSP P4.

ISOLATION JOINT AROUND INLET DEPRESSION

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**CONCRETE PAVEMENT-
 DRAINAGE INLET
 DETAILS No. 2**
 NO SCALE

RSP P46 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P46
 DATED MAY 1, 2006 - PAGE 133 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P46

2006 REVISED STANDARD PLAN RSP P46

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	50	52

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

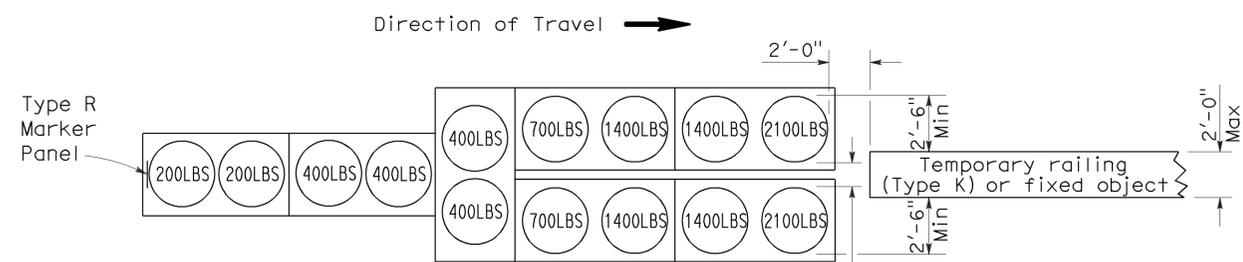
June 6, 2008
PLANS APPROVAL DATE

Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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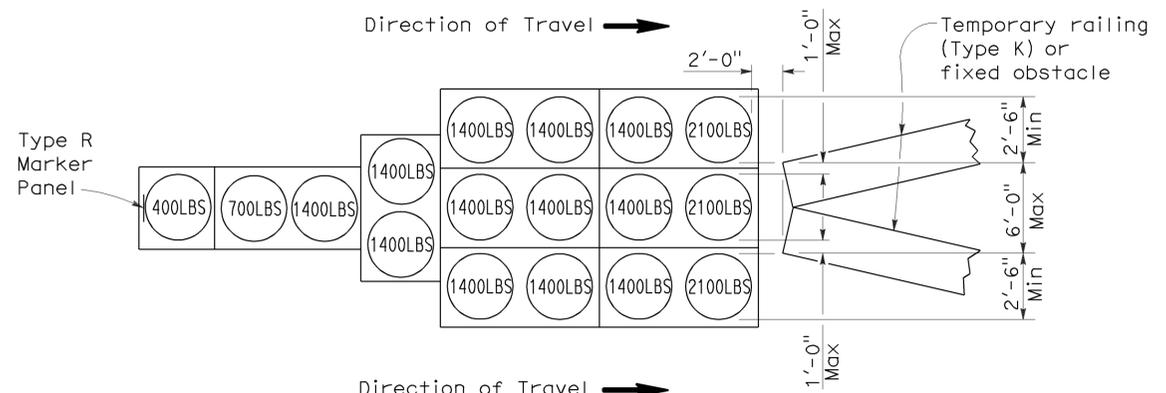
To accompany plans dated 8-6-12

2006 REVISED STANDARD PLAN RSP T1A



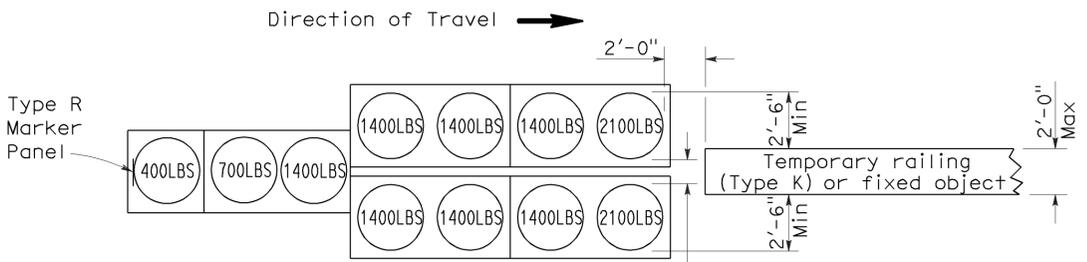
ARRAY 'TU14'

Approach speed 45 mph or more



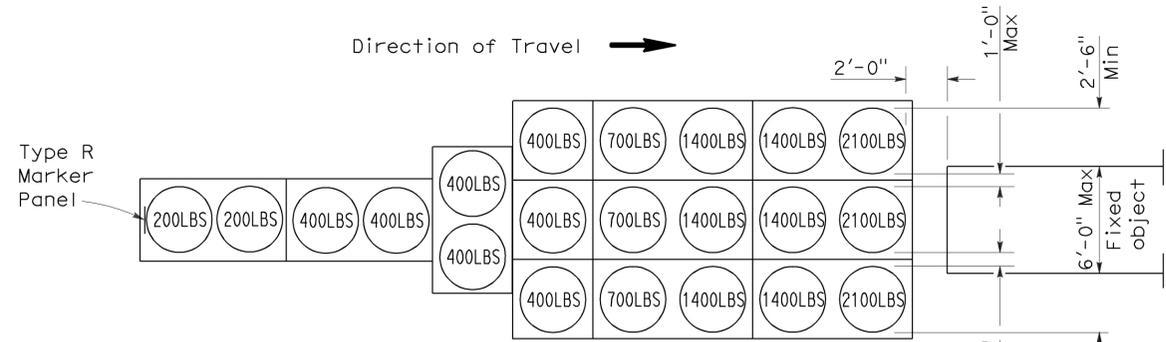
ARRAY 'TU17'

Approach speed less than 45 mph



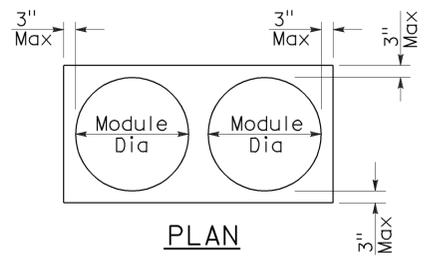
ARRAY 'TU11'

Approach speed less than 45 mph

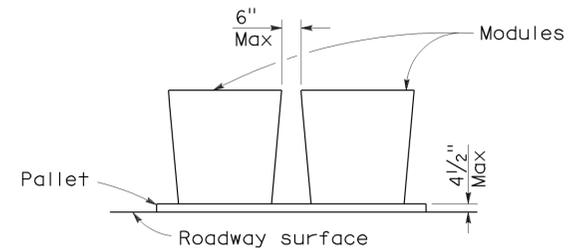


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	51	52

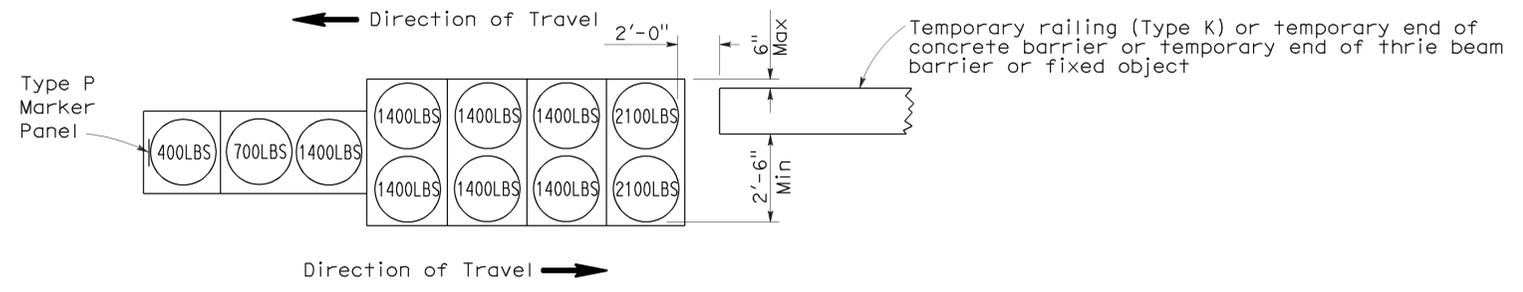
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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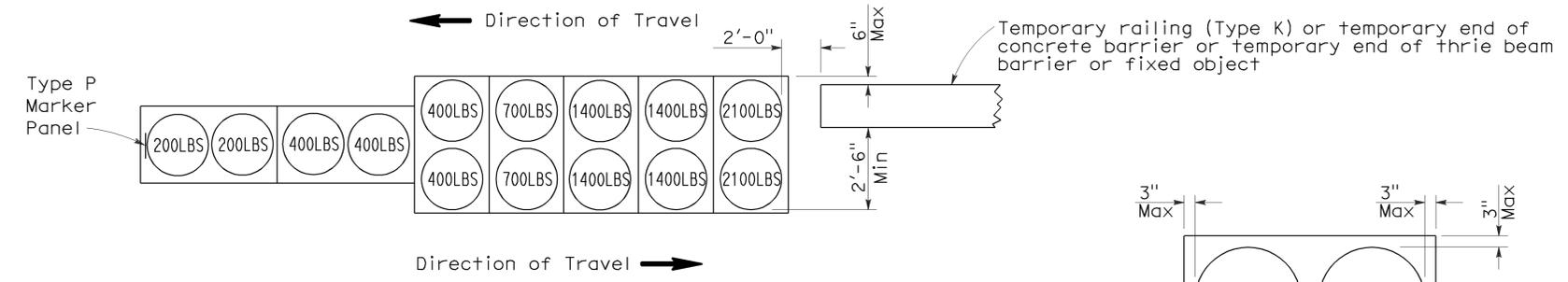
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 8-6-12



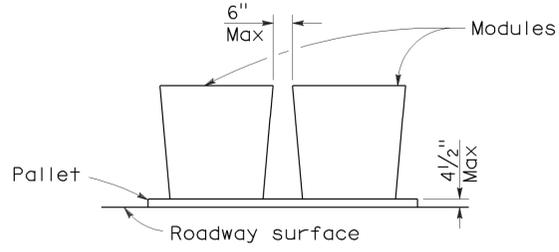
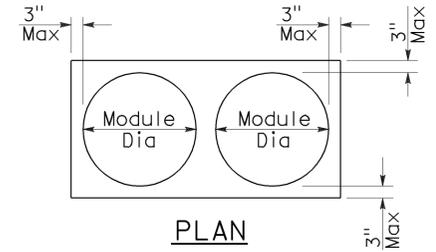
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL
See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(BIDIRECTIONAL)**

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R45.4/R59.7	52	52

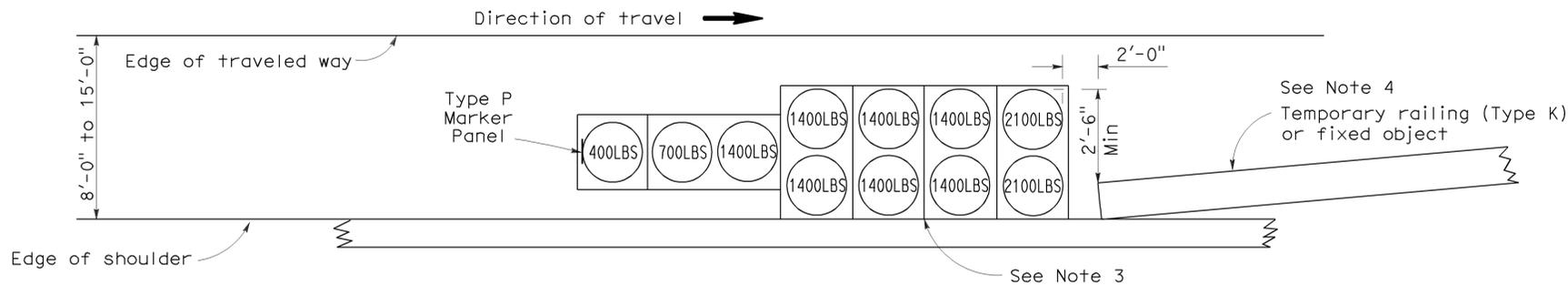
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

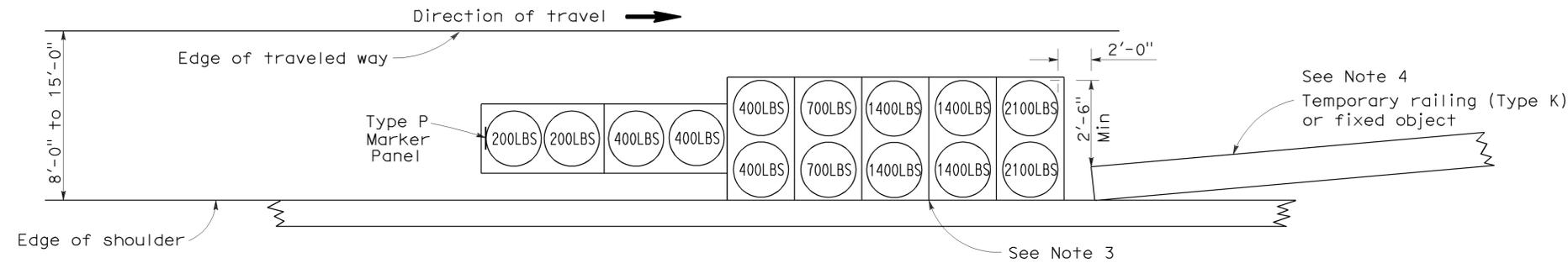
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REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 8-6-12



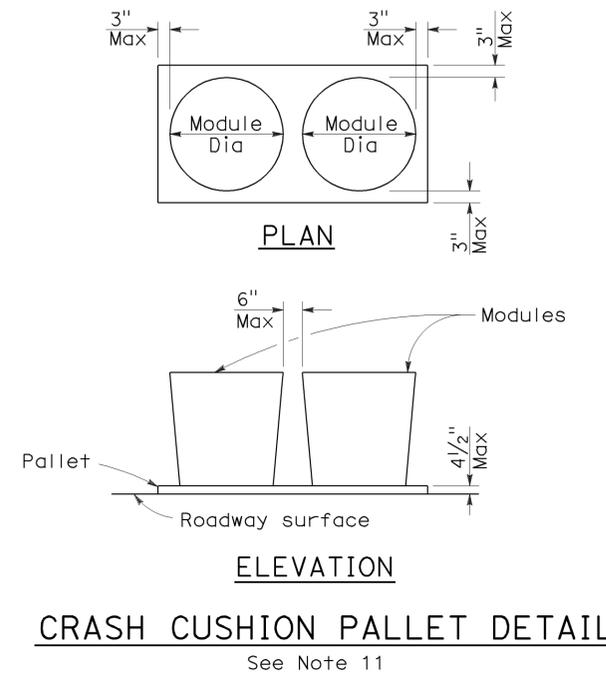
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9

NOTES:

- (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
- All sand weights are nominal.
- The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
- If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- Use of pallets is optional.



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**

NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2