Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	1	35

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

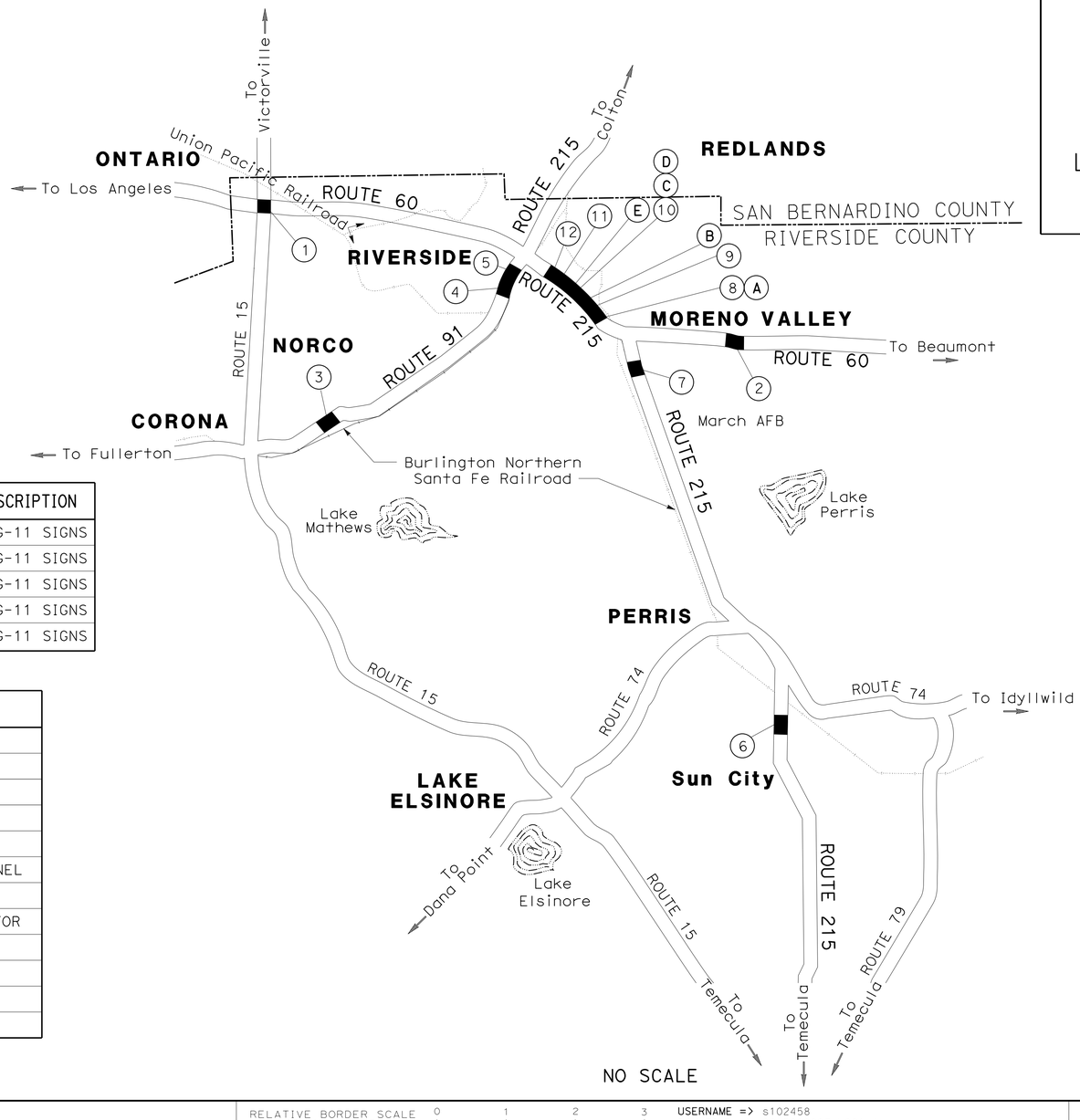
IN RIVERSIDE COUNTY
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

INDEX OF PLANS

INDEX OF STRUCTURE PLANS

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



ROAD WORK LOCATIONS

ITEM	ROUTE	PM	BRIDGE NUMBER	BRIDGE NAME	WORK DESCRIPTION
A	215	38.64	56 0805G	BOX SPRINGS OH TRUCK CONNECTOR	INSTALL G-11 SIGNS
B	215	39.48	56 0504	CENTRAL AVENUE UC	INSTALL G-11 SIGNS
C	215	40.86	56 0803L	MARTIN LUTHER KING BLVD UC	INSTALL G-11 SIGNS
D	215	40.86	56 0803R	MARTIN LUTHER KING BLVD UC	INSTALL G-11 SIGNS
E	215	41.04	56 0085	CANYON CREST DRIVE UC	INSTALL G-11 SIGNS

BRIDGE WORK LOCATIONS

LOCATION	ROUTE	PM	BRIDGE NUMBER	BRIDGE NAME
1	60	R0.54	56 0690F	W60-S15 CONNECTOR OC
2	60	16.35	56 0421	PERRIS BLVD UC
3	91	10.29	56 0368	BUCHANAN ST OC
4	91	20.53	56 0315	MISSION INN AVE UC
5	91	20.85	56 0316	THIRD STREET UC
6	215	22.33	56 0770L	ROMOLAND FLOOD CONTROL CHANNEL
7	215	R36.38	56 0756	ALESANDRO BLVD OC
8	215	38.64	56 0805G	BOX SPRINGS OH TRUCK CONNECTOR
9	215	R38.67	56 0082R	BOX SPRINGS OH
10	215	40.86	56 0803R	MARTIN LUTHER KING BLVD UC
11	215	41.80	56 0823	LINDEN AVE OC
12	215	42.15	56 0821	BLAINE STREET OC

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

PROJECT MANAGER: MIKE RISTIC

DESIGN ENGINEER: WILLIAM AMBROSE

william ambrose 12-23-15
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER — WILLIAM AMBROSE — No. 72098 — Exp. 6/30/16 — CIVIL — STATE OF CALIFORNIA

December 24, 2015
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.

CONTRACT No.	08-1F6504
PROJECT ID	0815000007

LAST REVISION 12-23-15
DATE PLOTTED => 28-DEC-2015
TIME PLOTTED => 10:44

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	2	35

Tran Hoang 12-23-15
REGISTERED CIVIL ENGINEER DATE

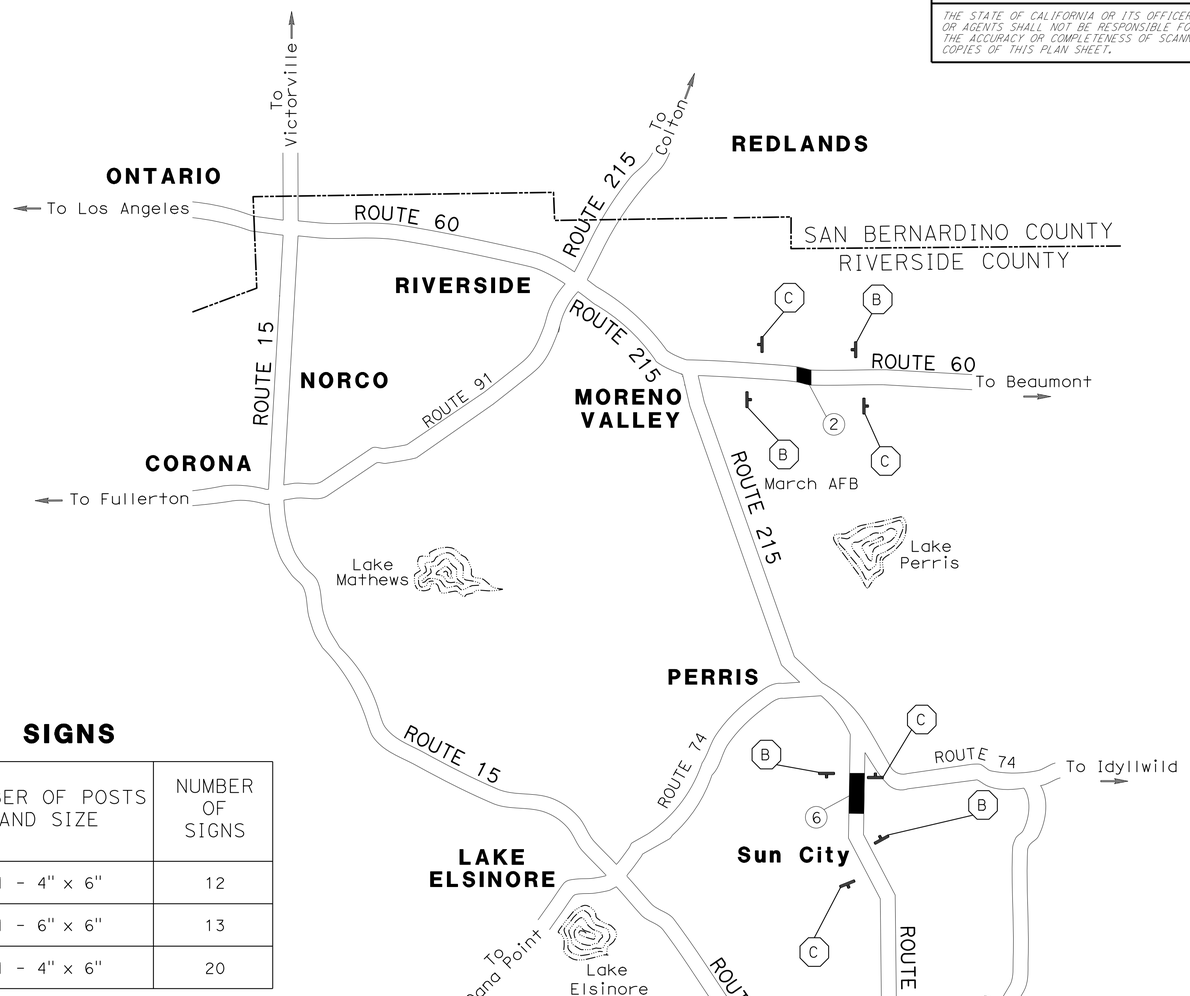
12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. 54996
Exp. 6/30/16
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.

NOTES:

1. LOCATIONS OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. EXACT LOCATIONS AND MESSAGES OF PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WILL BE DETERMINED BY THE ENGINEER.



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)	W20-1		36" x 36"	ROAD WORK AHEAD	1 - 4" x 6"	12
(B)	W20-1		48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	13
(C)	G20-2		48" x 24"	END ROAD WORK	1 - 4" x 6"	20

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

(EA)
6

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE **CS-1**

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: PHIL VU
CHECKED BY: TRAN HOANG
FUNCTIONAL SUPERVISOR: MARIO AMANCIO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 12-23-15
DATE PLOTTED => 28-DEC-2015
TIME PLOTTED => 10:44

BORDER LAST REVISED 7/2/2010
USERNAME => s102458
DGN FILE => 08150000071a001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2284
PROJECT NUMBER & PHASE 08150000071

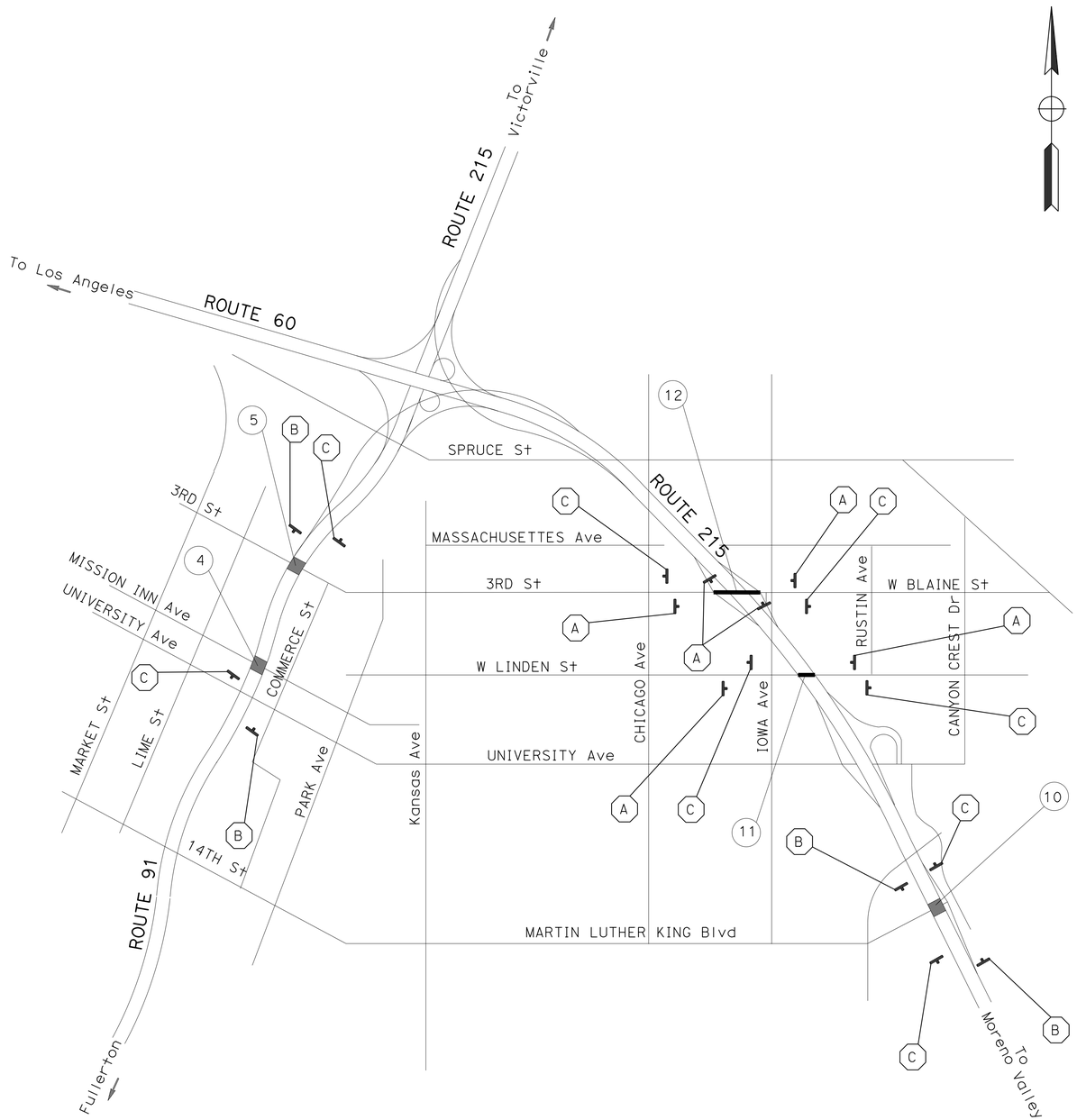
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	3	35

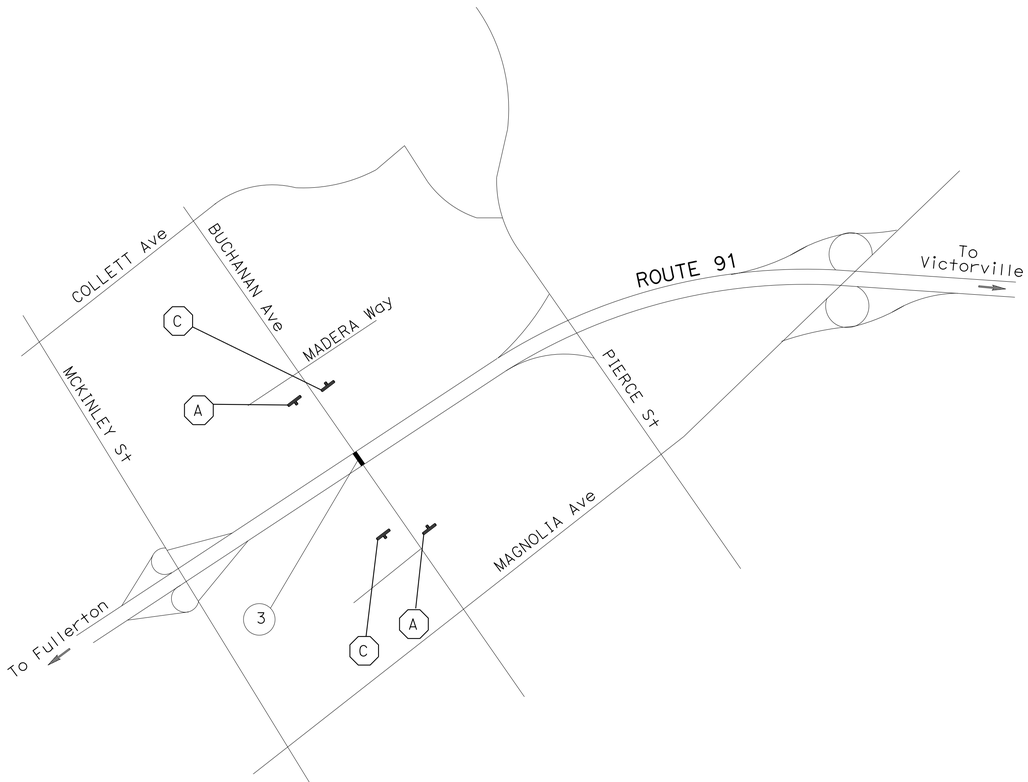
Tran Hoang 12-23-15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. 54996
Exp. 6/30/16
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.





APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-2

CALCULATED-DESIGNED BY: PHIL VU
CHECKED BY: TRAN HOANG
FUNCTIONAL SUPERVISOR: MARIO AMANCIO
REVISED BY
DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

BORDER LAST REVISED 7/2/2010

USERNAME => s102458
DGN FILE => 08150000071a002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2284

PROJECT NUMBER & PHASE 08150000071

LAST REVISION 12-23-15
DATE PLOTTED => 28-DEC-2015
TIME PLOTTED => 10:44

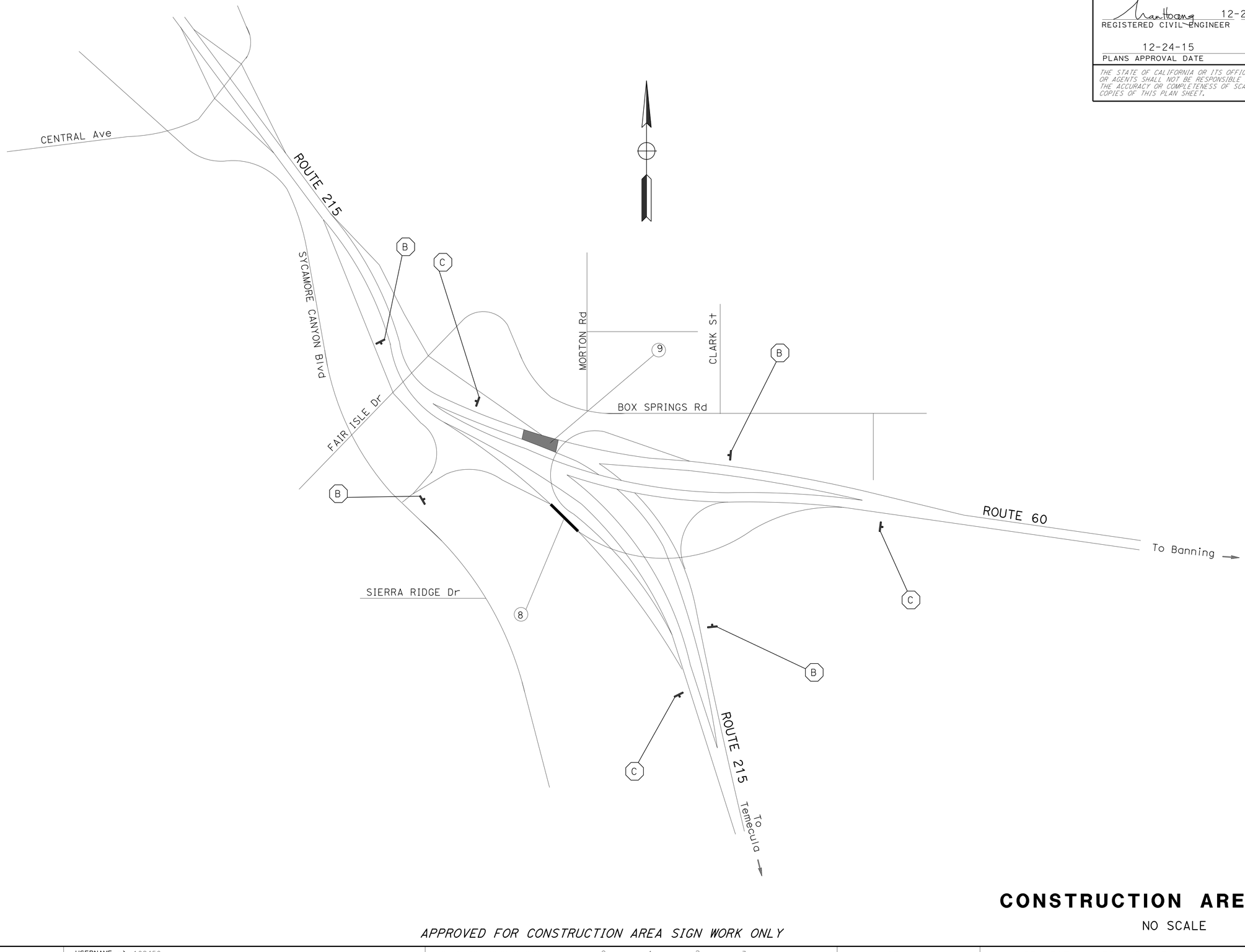
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	4	35

Tran Hoang 12-23-15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. 54996
Exp. 6/30/16
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.



APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-3

CALCULATED-DESIGNED BY	
CHECKED BY	
REVISED BY	
DATE REVISED	
PHIL VU	
TRAN HOANG	
FUNCTIONAL SUPERVISOR	
MARIO AMANCIO	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

LAST REVISION
DATE PLOTTED => 28-DEC-2015
TIME PLOTTED => 10:44
12-23-15

BORDER LAST REVISED 7/2/2010

USERNAME => s102458
DGN FILE => 08150000071a003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2284

PROJECT NUMBER & PHASE 08150000071

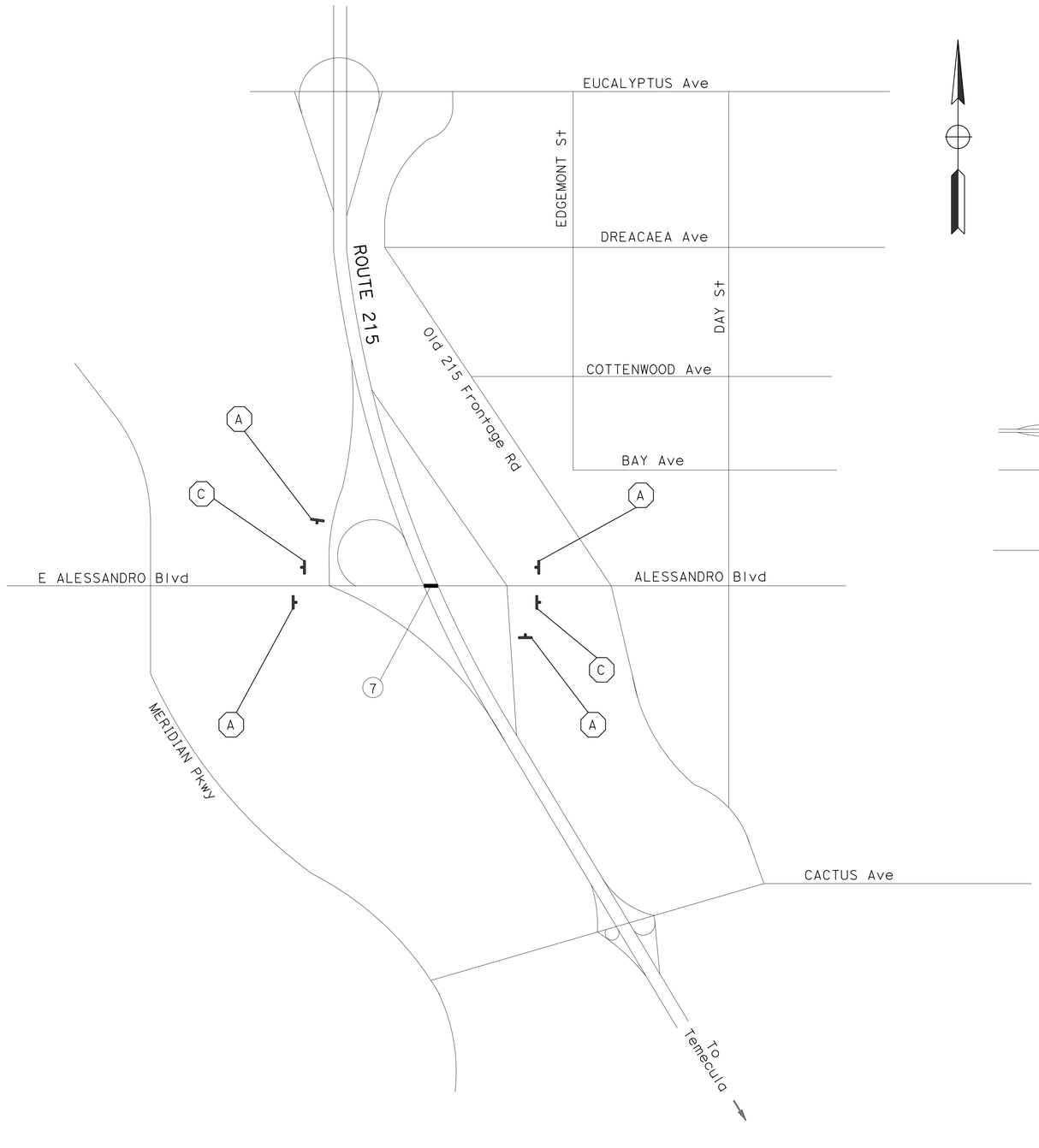
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	5	35

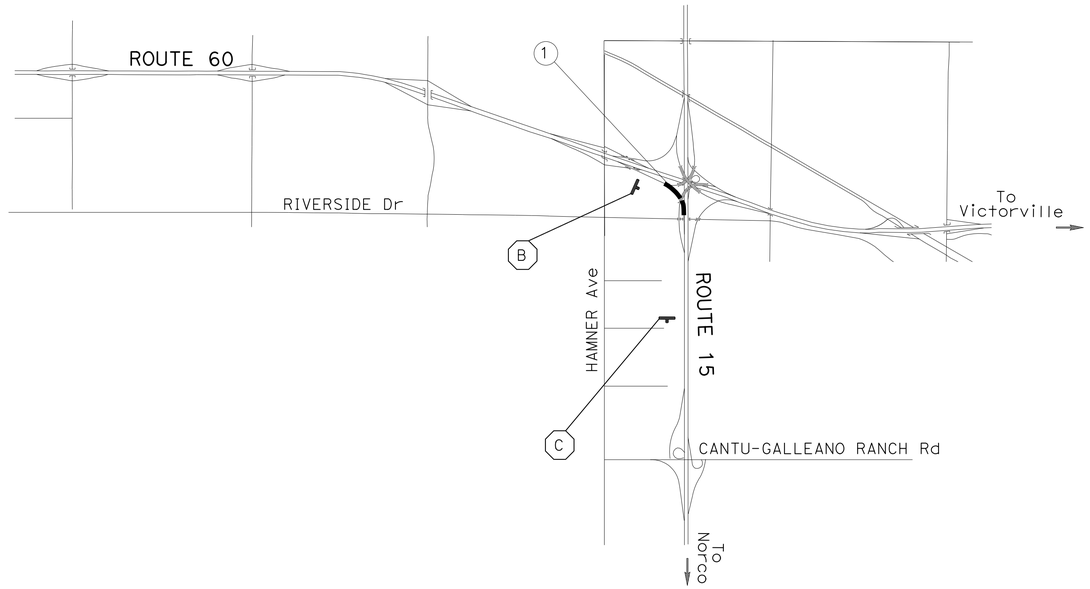
Tran Hoang 12-23-15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. 54996
Exp. 6/30/16
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.





APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MARIO AMANCIO
CALCULATED-DESIGNED BY: PHIL VU
CHECKED BY: TRAN HOANG
REVISED BY
DATE REVISED

LAST REVISION 12-23-15 | DATE PLOTTED => 28-DEC-2015 | TIME PLOTTED => 10:44

BORDER LAST REVISED 7/2/2010 | USERNAME => s102458 | DGN FILE => 08150000071a004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2284 | PROJECT NUMBER & PHASE 08150000071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	6	35

Tran Hoang 12-23-15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. 54996
Exp. 6/30/16
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.

NOTES:

1. LOCATIONS OF THE CONSTRUCTION AREA SIGNS AND PCMS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. REFER TO STANDARD PLAN T14 FOR TRAFFIC CONTROL OF RAMP AND CONNECTOR CLOSURES.

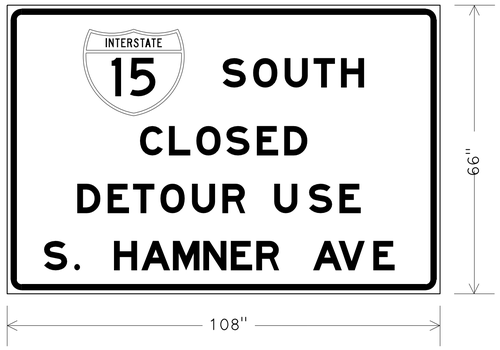
LEGEND:

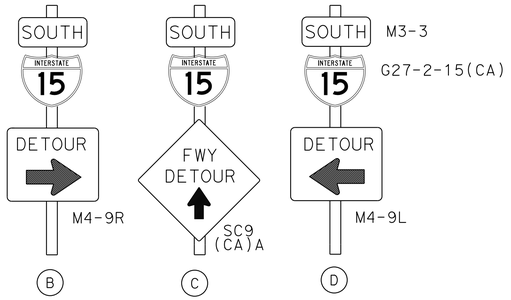
PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

DIRECTION OF DETOURED TRAFFIC

CLOSURE AREA

CS1

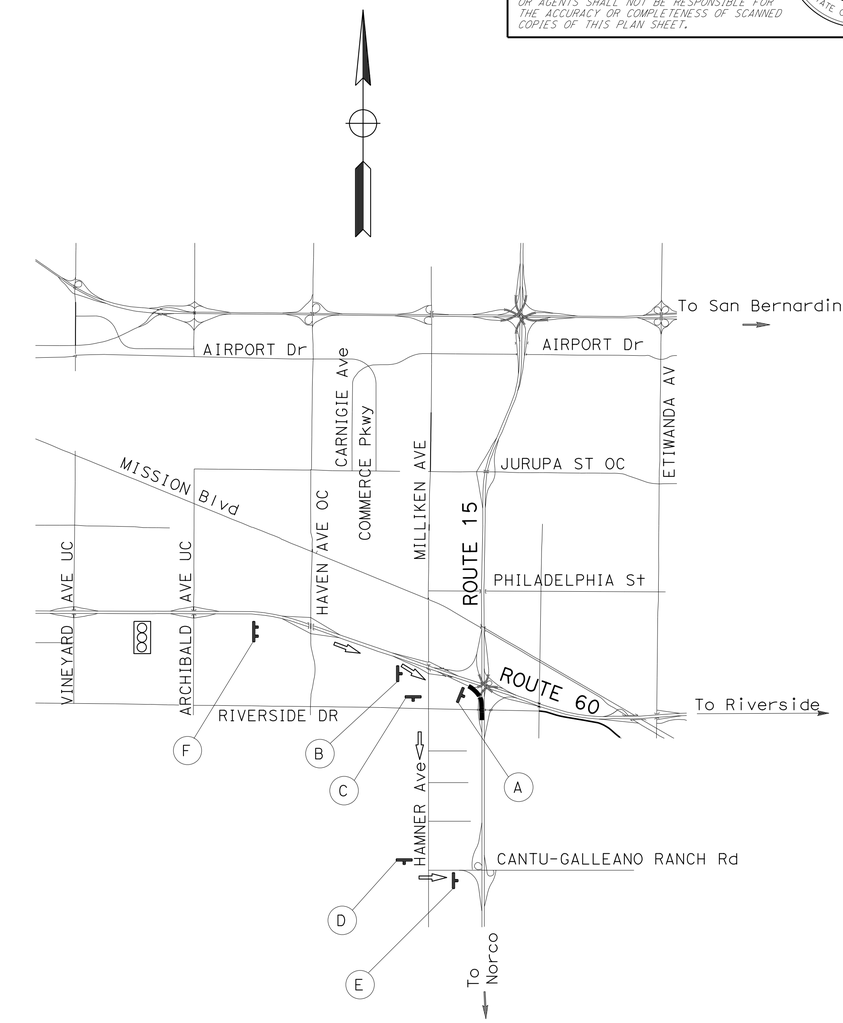




3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[SOUTH] 8" White E;
[CLOSED] 8" White E;
[DETOUR USE] 8" White E;
[S. HAMNER AVE] 8" White E;
SHIELD SIZE 21" X 18"; MUMERAL SIZE 8" White E Mod;

DETOUR TEMPORARY SIGN QUANTITIES

SIGN No.	SIGN CODE	PANEL SIZE (IN)	NO. OF POST AND SIZE	NO. OF SIGNS 1 POST	NO. OF SIGNS 2 POST	SIGN MESSAGE
(A)	SC6-4	48" X 60"	1 - 6" X 6"	1		RAMP CLOSED
(B)	M3-3 G27-2-15(CA) M4-9R	30" X 15" 24" X 24" 48" X 36"	1 - 6" X 6"	1		SOUTH INTERSTATE 15 DETOUR/ARROW RIGHT
(C)	M3-3 G27-2-15(CA) SC9(CA)A	30" X 15" 24" X 24" 36" X 36"	1 - 6" X 6"	1		SOUTH INTERSTATE 15 FWY DETOUR/ARROW STRAIGHT
(D)	M3-3 G27-2-15(CA) M4-9L	30" X 15" 24" X 24" 48" X 36"	1 - 6" X 6"	1		SOUTH INTERSTATE 15 DETOUR/ARROW LEFT
(E)	M4-8a	24" X 18"	1 - 4" X 4"	1		END DETOUR
(F)	CS1	108" X 66"	2 - 6" X 8"		1	15 SOUTH CLOSED DETOUR USE S. HAMNER AVE
			TOTAL	5	1	



DETOUR PLAN FOR W60-S15 CONNECTOR

APPROVED FOR DETOUR WORK ONLY

DETOUR PLAN
NO SCALE **DE-1**

LAST REVISION
DATE PLOTTED => 28-DEC-2015
TIME PLOTTED => 10:44
12-23-15

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: PHIL VU
CHECKED BY: TRAN HOANG
FUNCTIONAL SUPERVISOR: MARIO AMANCIO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

BORDER LAST REVISED 7/2/2010
USERNAME => s102458
DGN FILE => 0815000007mg001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2284
PROJECT NUMBER & PHASE 08150000071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	7	35

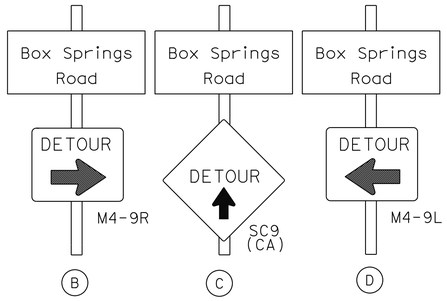
Tran Hoang 12-23-15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

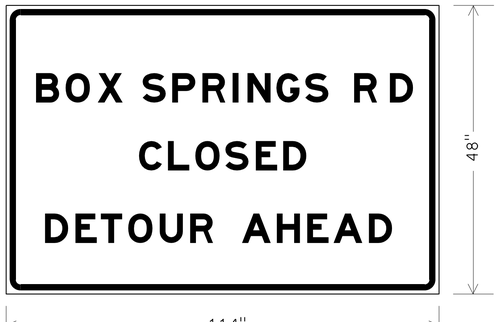
REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. 54996
Exp. 6/30/16
CIVIL
STATE OF CALIFORNIA

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.

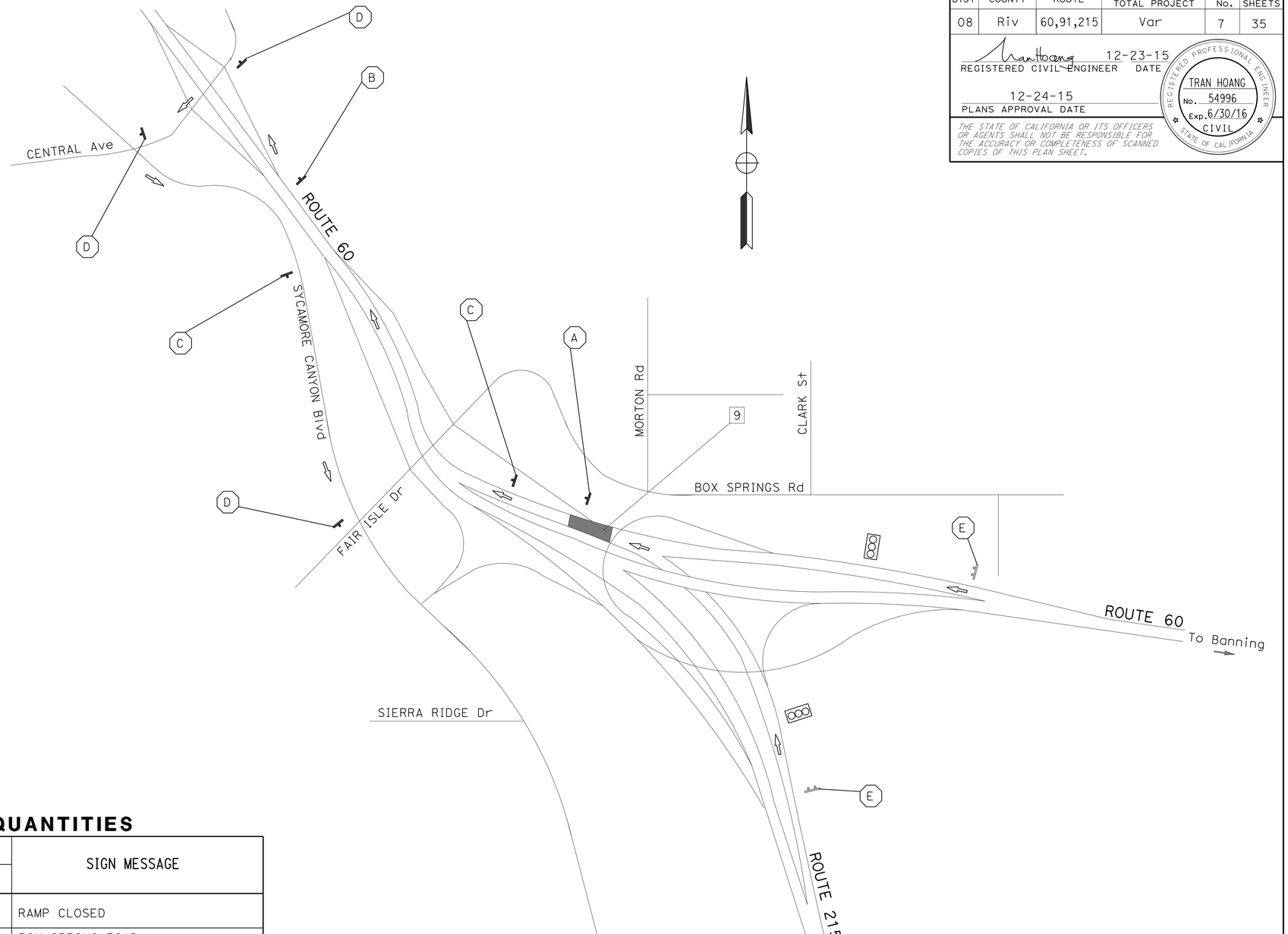
G7-1(CA) 66" 24" Box Springs Road 6" E Mod



CS2



3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[BOX SPRINGS RD] 8" White E;
[CLOSED] 8" White E;
[DETOUR AHEAD] 8" White E;



DETOUR TEMPORARY SIGN QUANTITIES

SIGN LETTER	SIGN CODE	PANEL SIZE (IN)	NO. OF POST AND SIZE	NO. OF SIGNS 1 POST	NO. OF SIGNS 2 POST	SIGN MESSAGE
A	SC6-4	48" X 60"	1 - 6" X 6"	1		RAMP CLOSED
B	G7-1(CA) M4-9R	24" X 66" 48" X 36"	1 - 6" X 6"	1		BOX SPRING ROAD DETOUR/ARROW RIGHT
C	G7-1(CA) SC9(CA)	24" X 66" 36" X 36"	1 - 6" X 6"	2		BOX SPRING ROAD DETOUR/ARROW STRAIGHT
D	G7-1(CA) M4-9L	24" X 66" 48" X 36"	1 - 6" X 6"	3		BOX SPRING ROAD DETOUR/ARROW LEFT
E	CS2	114" X 48"	2 - 6" X 8"		2	BOX SPRING RD CLOSED DETOUR AHEAD
			TOTAL	7	2	

DETOUR PLAN FOR BOX SPRINGS OH

APPROVED FOR DETOUR WORK ONLY

DETOUR PLAN
NO SCALE **DE-2**

LAST REVISION | DATE PLOTTED => 28-DEC-2015
12-23-15 | TIME PLOTTED => 10:44

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MARIO AMANCIO
CALCULATED-DESIGNED BY: PHIL VU
CHECKED BY: TRAN HOANG
REVISED BY | DATE REVISED

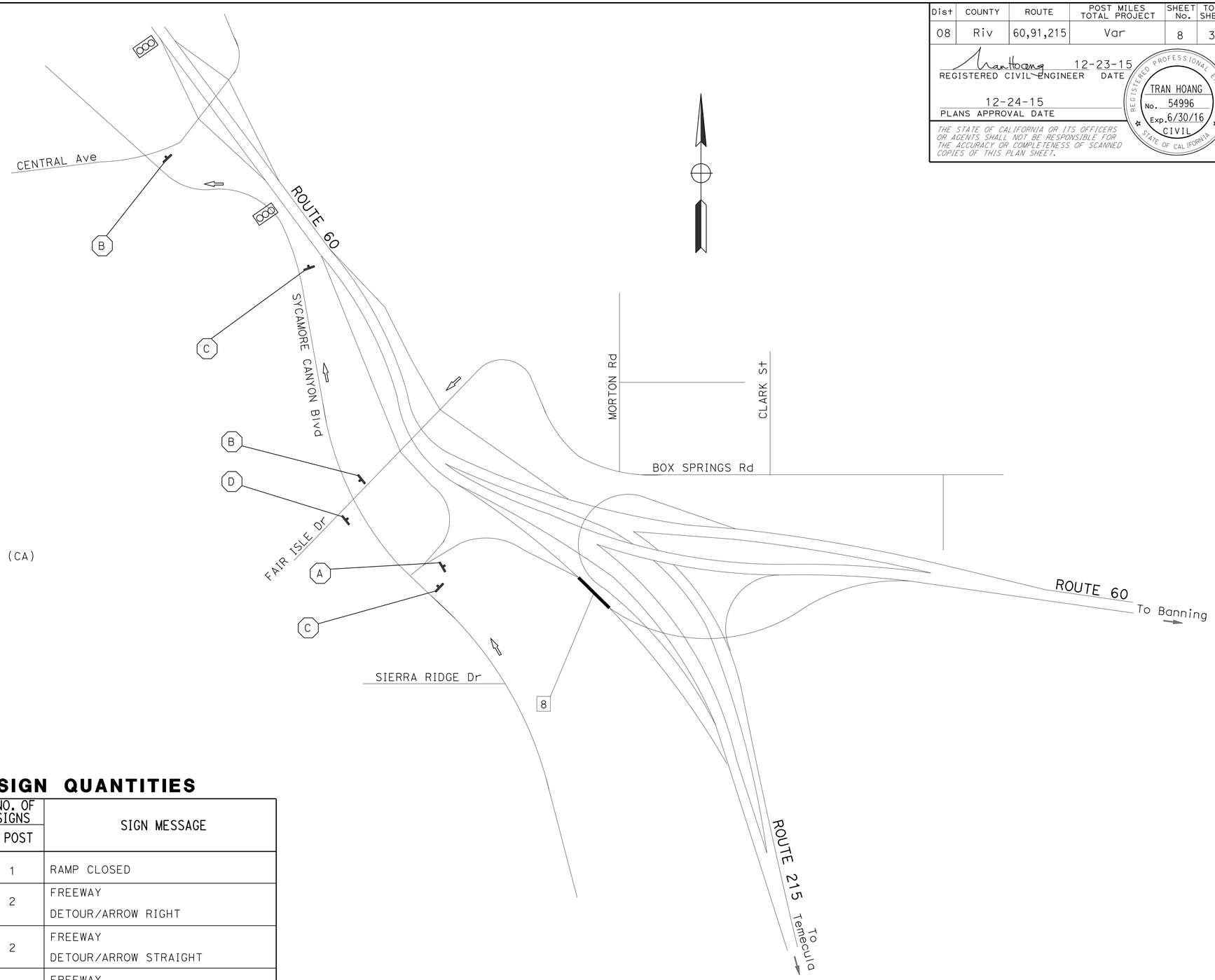
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	8	35

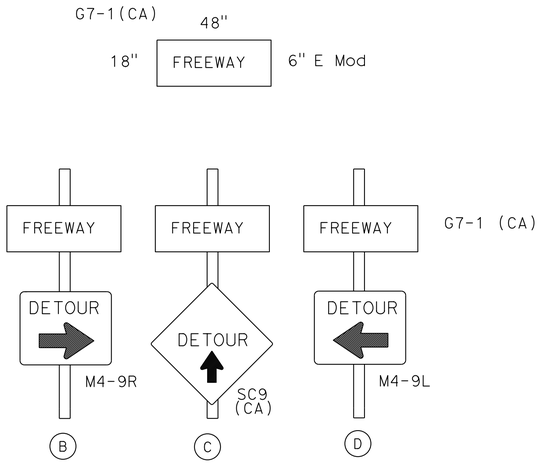
Tran Hoang 12-23-15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. 54996
Exp. 6/30/16
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.





DETOUR TEMPORARY SIGN QUANTITIES

SIGN LETTER	SIGN CODE	PANEL SIZE (IN)	NO. OF POST AND SIZE	NO. OF SIGNS 1 POST	SIGN MESSAGE
(A)	SC6-4	48" X 60"	1 - 6" X 6"	1	RAMP CLOSED
(B)	G7-1(CA) M4-9R	18" X 48" 48" X 36"	1 - 6" X 6"	2	FREEWAY DETOUR/ARROW RIGHT
(C)	G7-1(CA) SC9(CA)	18" X 48" 36" X 36"	1 - 6" X 6"	2	FREEWAY DETOUR/ARROW STRAIGHT
(D)	G7-1(CA) M4-9L	18" X 48" 48" X 36"	1 - 6" X 6"	1	FREEWAY DETOUR/ARROW LEFT
			TOTAL	6	

DETOUR PLAN FOR BOX SPRINGS OH TRUCK CONNECTOR

APPROVED FOR DETOUR WORK ONLY

DETOUR PLAN
NO SCALE **DE-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MARIO AMANCIO
CALCULATED-DESIGNED BY: PHIL VU
CHECKED BY: TRAN HOANG
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 28-DEC-2015
12-23-15 | TIME PLOTTED => 10:44

BORDER LAST REVISED 7/2/2010
USERNAME => s102458
DGN FILE => 0815000007mg003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2284
PROJECT NUMBER & PHASE 08150000071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	9	35

Tran Hoang 12-23-15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. 54996
Exp. 6/30/16
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.

PAVEMENT DELINEATION QUANTITIES

LOCATION	DETAIL NUMBER	REMOVE PAVEMENT MARKERS	PAVEMENT MARKERS				REMOVE THERMOPLASTIC TRAFFIC STRIPE			THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)			THERMOPLASTIC PAVEMENT MARKING		TEMPORARY PAVEMENT MARKER	REMARKS
			RETROREFLECTIVE			NON-REFLECTIVE	4 INCH YELLOW	4 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	8 INCH WHITE	REMOVE	INSTALL		
			D	G	H	A										
		EA	EA				LF			LF			SQFT		EA	
PERRIS BLVB UC EB	13M	30		6		24		72			250				30	
	25	6			6		250			250					6	
	27B							250			250					
	42	12		12					200			500			12	
	DIAMOND SYMBOL												11	11		
PERRIS BLVD UC WB	13M	30		6		24		72			250				30	
	25	6			6		250			250					6	
	27B							250			250					
	42	12		12					200			500			12	
	DIAMOND SYMBOL												11	11		
MISSION INN AVE UC NB	13M	75		15		60		180			600				75	
	25	5			5		200			200					5	
	27B							200			200					
MISSION INN AVE UC SB	13M	48		8		40		120			400				48	
	25	5			5		200			200					5	
	27B							200			200					
THIRD ST UC NB	13M	100		20		80		240			720				100	
	25	5			5		180			180					5	
	27B							180			180					
THIRD ST UC SB	13M	100		20		80		240			720				100	
	25	5			5		180			180					5	
	27B							180			180					
	37	12		12					72			360			12	
BOX SPRING OH NB	13M	30		6		24		72			280				30	
	25	6			6		280			280					6	
	27B							280			280					
	36	12		12					520			520			12	
SUBTOTAL 1		499		129	38	332	1540	2536	992	1540	4760	1880	22	22	499	

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION QUANTITIES
PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MARIO AMANCIO
CALCULATED-DESIGNED BY: PHIL VU
CHECKED BY: TRAN HOANG
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 28-DEC-2015
12-23-15 | TIME PLOTTED => 10:44

BORDER LAST REVISED 7/2/2010
USERNAME => s102458
DGN FILE => 0815000007nc001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2284
PROJECT NUMBER & PHASE 08150000071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	10	35

Tran Hoang 12-23-15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

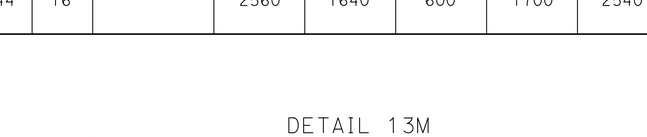
REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. 54996
Exp. 6/30/16
CIVIL
STATE OF CALIFORNIA

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.

PAVEMENT DELINEATION QUANTITIES

LOCATION	DETAIL NUMBER	REMOVE PAVEMENT MARKERS	PAVEMENT MARKERS				REMOVE THERMOPLASTIC TRAFFIC STRIPE			THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)			THERMOPLASTIC PAVEMENT MARKING		TEMPORARY PAVEMENT MARKER	REMARKS
			RETROREFLECTIVE			NON-REFLECTIVE	4 INCH YELLOW	4 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	8 INCH WHITE	REMOVE	INSTALL		
			D	G	H	A										
		EA	EA				LF			LF			SQFT		EA	
ALEXANDER BLVD OC EB	12	14		14				150			600				14	
	25	8			8		300			300					8	
	27B							300			300					
	28						1200			600						
	38	10		10					400			400			10	
	LIMIT LINE												60	60		
	TYPE IV (L)												45	45		
	TYPE VI												84	84		
ALEXANDER BLVD OC WB	12	14		14				150			600				14	
	25	8			8		300			300					8	
	27B							300			300					
LINDEN AVE OC EB	27B							370			370					
LINDEN AVE OC WB	22	24	24				240			240					24	
	27B							370			370					
	29	14	14				520			260					14	
	38	6		6					200			200			6	
	CROSS WALK												150	150		
	TYPE II (R)												90	90		
	TYPE III (L)												84	84		
	BIKE LANE & ARROW												18	18		
SUBTOTAL 2		98	38	44	16		2560	1640	600	1700	2540	600	531	531	98	

DETAIL 13M



○ TYPE A WHITE NON-REFLECTIVE MARKER
◨ TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKER

NO SCALE

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION QUANTITIES
PDQ-2

REVISED BY | DATE REVISED
PHIL VU | TRAN HOANG
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MARIO AMANCIO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION: DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:44
12-23-15

BORDER LAST REVISED 7/2/2010 | USERNAME => s102458 DGN FILE => 0815000007nc002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2284 | PROJECT NUMBER & PHASE 08150000071

NOTE:
8 INCHES TRAFFIC STRIPING COUNT AS TWO OF 4 INCHES TRAFFIC STRIPING.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	11	35

Tran Hoang 12-23-15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. 54996
Exp. 6/30/16
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.

PAVEMENT DELINEATION QUANTITIES

LOCATION	DETAIL NUMBER	REMOVE PAVEMENT MARKERS	PAVEMENT MARKERS				REMOVE THERMOPLASTIC TRAFFIC STRIPE			THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)			THERMOPLASTIC PAVEMENT MARKING		TEMPORARY PAVEMENT MARKER	REMARKS
			RETROREFLECTIVE			NON-REFLECTIVE	4 INCH YELLOW (HAZARDOUS WASTE)	4 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	8 INCH WHITE	REMOVE	INSTALL		
			D	G	H	A										
		EA	EA				LF			LF			SQFT		EA	
MARTIN LUTHER KING UC NB	13M	75		15		60		180			600				75	
	25	5			5		200			200					5	
	27B							200			200					
BOX SPRING OH TRUCK CONNECTOR NB	13M	40		8		32		90			300				40	
	25	8			8		300			300					8	
	27B							300			300					
BLAINE ST OC EB	27B							320			320					
BLAINE ST OC WB	22	30	30				640			320					30	
	38	14		14					580			580			14	
	LIMIT LINE												60	60		
	TYPE IV (L)												75	75		
BUCHANAN AVE OH NB	21									300						
BUCHANAN AVE OH SB	27B										300					
	27B										300					
SUBTOTAL 3		172	30	37	13	92	1140	1090	580	1120	2320	580	135	135	172	
TOTAL		769	345			424	5240	7438		17040			688	688	769	

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION QUANTITIES
PDQ-3

LAST REVISION | DATE PLOTTED => 28-DEC-2015
12-23-15 | TIME PLOTTED => 10:44

REVISED BY | DATE REVISED
PHIL VU | TRAN HOANG
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | MARIO AMANCIO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

BORDER LAST REVISED 7/2/2010
USERNAME => s102458
DGN FILE => 0815000007nc003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2284
PROJECT NUMBER & PHASE 08150000071

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	12	35

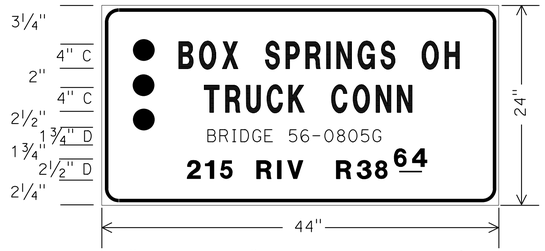
tranhoang 12-23-15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. 54996
Exp. 6/30/16
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 A G11-5 (CA)



1.5" Rad., 0.375" Border, Black on White;
[BOX SPRINGS OH] 4"C; [TRUCK CONN] 4"C;
[BRIDGE 56-0805G] 1¾" D; [215 RIV R38.64] 2½" D

SIGN D G11-5 (CA)

1.5" Rad., 0.375" Border, Black on White;
[MARTIN LUTHER KING] 4"B; [BLVD UC] 4"B;
[BRIDGE 56-0803R] 1¾" D; [215 RIV R40.86] 2½" D

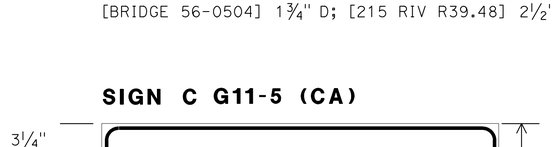
SIGN B G11-5 (CA)

1.5" Rad., 0.375" Border, Black on White;
[CENTRAL AVENUE] 4"C; [UNDERCROSSING] 4"C;
[BRIDGE 56-0504] 1¾" D; [215 RIV R39.48] 2½" D

SIGN E G11-5 (CA)

1.5" Rad., 0.375" Border, Black on White;
[CAYON CREST DRIVE] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 56-0085] 1¾" D; [215 RIV R41.04] 2½" D

SIGN C G11-5 (CA)



1.5" Rad., 0.375" Border, Black on White;
[MARTIN LUTHER KING] 4"B; [BLVD UC] 4"B;
[BRIDGE 56-0803L] 1¾" D; [215 RIV R40.86] 2½" D

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: MARIO AMANCIO
CALCULATED-DESIGNED BY: PHIL VU
CHECKED BY: TRAN HOANG
REVISED BY
DATE REVISED

SIGN DETAILS

NO SCALE **SD-1**

LAST REVISION: DATE PLOTTED => 28-DEC-2015
12-23-15 TIME PLOTTED => 10:44

NOTES:

1. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS TO BE DETERMINED BY THE ENGINEER.
2. POST LENGTHS GIVEN ARE APPROXIMATE.
3. 'C' DIM = VERTICAL CLEARANCE EP TO BOTTOM OF SIGN PANEL.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	13	35

Tran Hoang 12-23-15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. 54996
Exp. 6/30/16
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.

ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN CODE	SIGN PANEL SIZE L X D	"C" DIM	POST SIZE AND LENGTH	ROADSIDE SIGN ONE POST
		CALIFORNIA	INCHES	LF	4"x4"	EA
SD-1	A	G11-5	44 x 24	3	6'	2
SD-1	B	G11-5	44 x 24	3	6'	2
SD-1	C	G11-5	44 x 24	3	6'	2
SD-1	D	G11-5	44 x 24	3	6'	2
SD-1	E	G11-5	44 x 24	3	6'	2
					TOTAL	10

CALCULATED-DESIGNED BY: PHIL VU
CHECKED BY: TRAN HOANG
FUNCTIONAL SUPERVISOR: MARIO AMANCIO
REVISED BY
DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

SIGN QUANTITIES
SQ-1

LAST REVISION 12-23-15
DATE PLOTTED => 28-DEC-2015
TIME PLOTTED => 10:44

BORDER LAST REVISED 7/2/2010
USERNAME => s102458
DGN FILE => 08150000007oc001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2284
PROJECT NUMBER & PHASE 08150000071

M

Maint	MAINTENANCE
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
Min	MINIMUM
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
Mod	MODIFIED, MODIFY
Mon	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MR	MOVEMENT RATING
MSE	MECHANICALLY STABILIZED EMBANKMENT
Mt	MOUNTAIN, MOUNT
Mtl	MATERIAL
MVP	MAINTENANCE VEHICLE PULLOUT

N

N	NORTH
NB	NORTHBOUND
No.	NUMBER (MUST HAVE PERIOD)
Nos.	NUMBERS (MUST HAVE PERIOD)
NPS	NOMINAL PIPE SIZE
NS	NEAR SIDE
NSP	NEW STANDARD PLAN
NTS	NOT TO SCALE

O

Oblr	OBLITERATE
OC	OVERCROSSING
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OGFC	OPEN GRADED FRICTION COURSE
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
O-O	OUT TO OUT
Opp	OPPOSITE
OSD	OVERSIDE DRAIN

P

P	PAGE
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX
PC	POINT OF CURVATURE, PRECAST
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PEC	PERMIT TO ENTER AND CONSTRUCT
Ped	PEDESTRIAN
Ped OC	PEDESTRIAN OVERCROSSING
Ped UC	PEDESTRIAN UNDERCROSSING
Perm Mtl	PERMEABLE MATERIAL

P continued

PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkwy	PARKWAY
℄,PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POC	POINT OF HORIZONTAL CURVE
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT

Q

Qty	QUANTITY

R

R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
Rd	ROAD
Reinf	REINFORCED, REINFORCEMENT, REINFORCING
Rel	RELOCATE
Repl	REPLACEMENT
Ret	RETAINING
Rev	REVISED, REVISION
Rdwy	ROADWAY
RHMA	RUBBERIZED HOT MIX ASPHALT
Riv	RIVER
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN
Rt	RIGHT
Rte	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT OF WAY
Rwy	RAILWAY

S

S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
Salv	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SAND CUSHION
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
Sec	SECOND, SECTION
Sep	SEPARATION
SG	SUBGRADE
Shld	SHOULDER
Sht	SHEET
Sim	SIMILAR
℄	STATION LINE
SM	SELECTED MATERIAL
Spec	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SS	SLOPE STAKE
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
St	STREET
Sta	STATION
STBB	SINGLE THRIE BEAM BARRIER
Std	STANDARD
Str	STRUCTURE
Surf	SURFACING
SW	SIDEWALK, SOUND WALL
Swr	SEWER
Sym	SYMMETRICAL
S4S	SURFACE 4 SIDES

T

T	SEMI-TANGENT
Tan	TANGENT
TBB	THRIE BEAM BARRIER
Tbr	TIMBER
TC	TOP OF CURB
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
Tel	TELEPHONE
Temp	TEMPORARY
TG	TOP OF GRADE
Tot	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
Trans	TRANSITION

T continued

TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL
Typ	TYPICAL

U

UC	UNDERCROSSING
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS

V

V	VALVE, DESIGN SPEED
Var	VARIABLE, VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Vert	VERTICAL
Via	VIADUCT
Vol	VOLUME

W

W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
Wt	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE

X

X Sec	CROSS SECTION
Xing	CROSSING

Y

Yr	YEAR
Yrs	YEARS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60, 91,215	Var	14	35

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Grace M. Tsushima — No. C49814 — Exp. 9-30-14 — 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.

TO ACCOMPANY PLANS DATED 12-24-15

UNIT OF MEASUREMENT SYMBOLS:

Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft^3, pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
ø	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kip	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ABBREVIATIONS (SHEET 2 OF 2)

NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A10B

2010 REVISED STANDARD PLAN RSP A10B

6-7-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60, 91, 215	Var	15	35

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

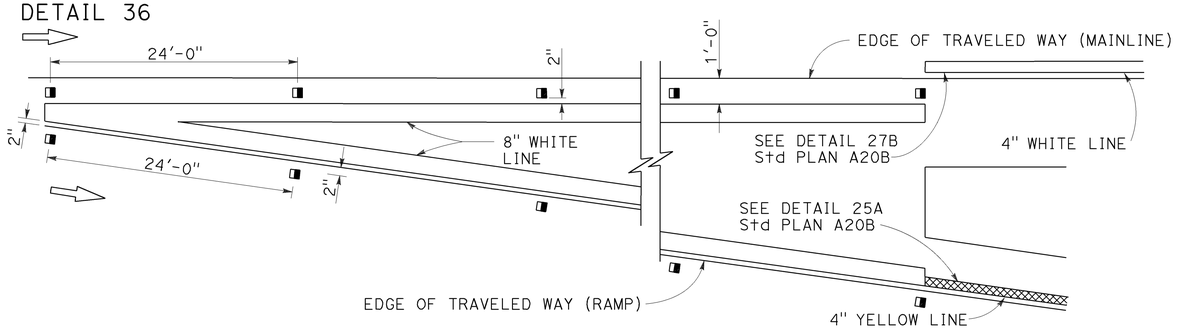
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-15
CIVIL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 12-24-15

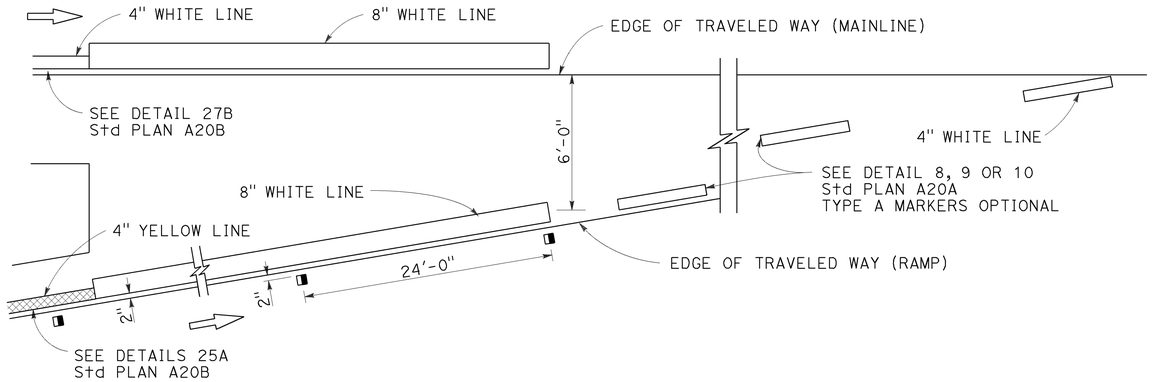
EXIT RAMP NEUTRAL AREA (GORE) TREATMENT

DETAIL 36



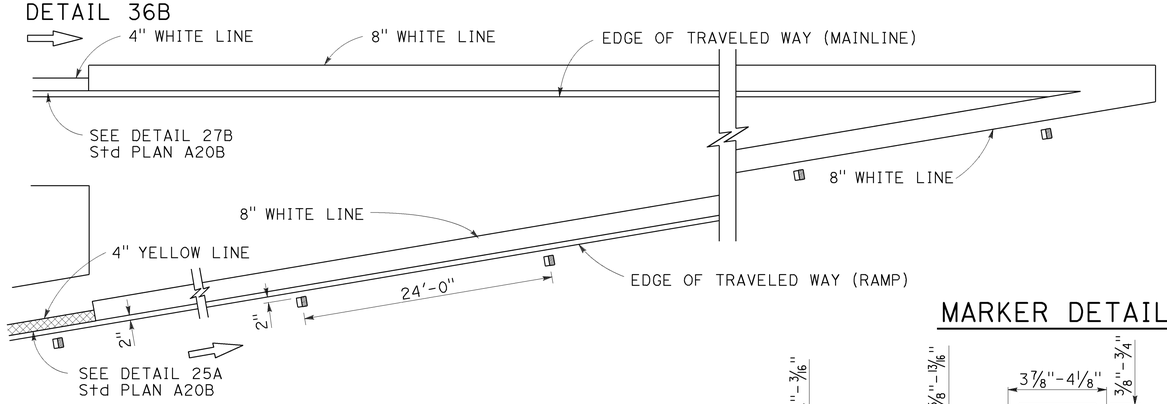
ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT

DETAIL 36A



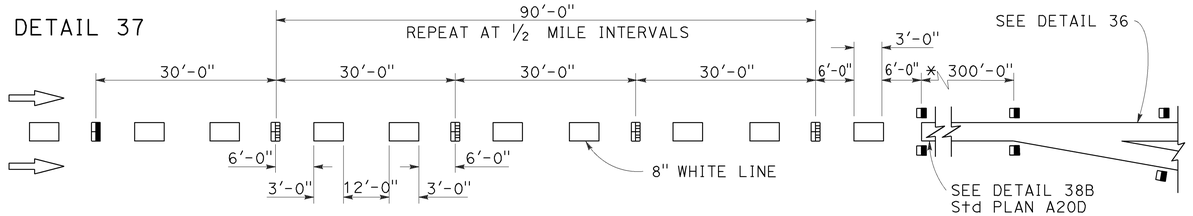
ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT

DETAIL 36B

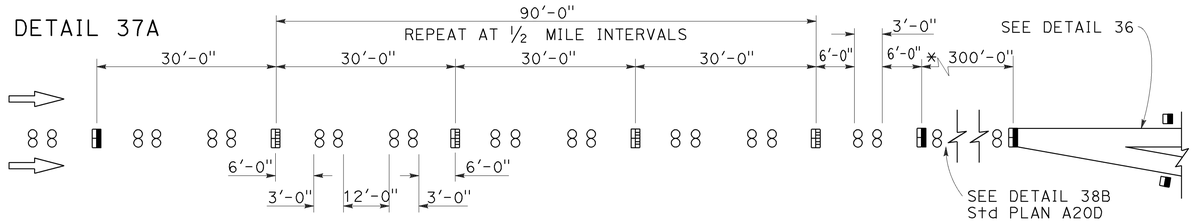


LANE DROP AT EXIT RAMPS

DETAIL 37



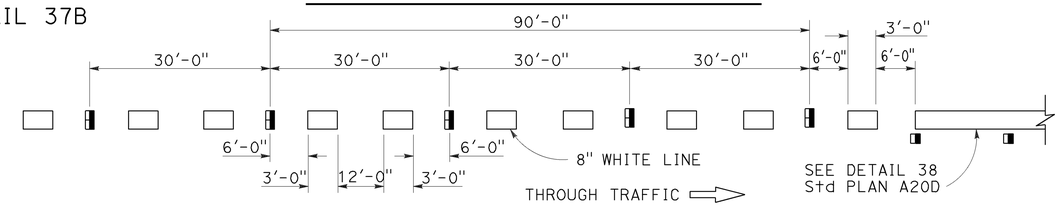
DETAIL 37A



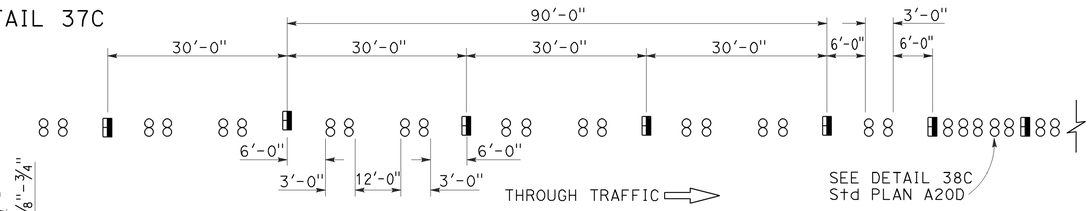
* The solid channelizing line shown may be omitted on short auxiliary lanes where weaving length is critical.

LANE DROP AT INTERSECTIONS

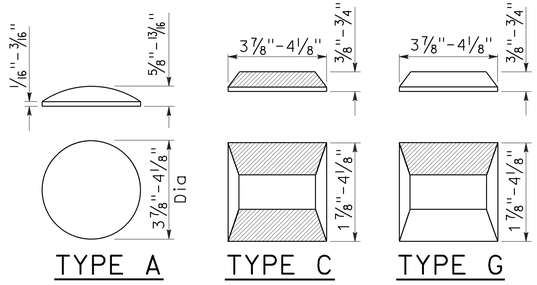
DETAIL 37B



DETAIL 37C



MARKER DETAILS



LEGEND:

MARKERS

- ○ TYPE A WHITE NON-REFLECTIVE
- ▣ TYPE C RED-CLEAR RETROREFLECTIVE
- ◨ TYPE G ONE-WAY CLEAR RETROREFLECTIVE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINE TYPICAL DETAILS

NO SCALE

RSP A20C DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A20C DATED MAY 20, 2011 - PAGE 11 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A20C

2010 REVISED STANDARD PLAN RSP A20C

4-29-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60, 91, 215	Var	16	35

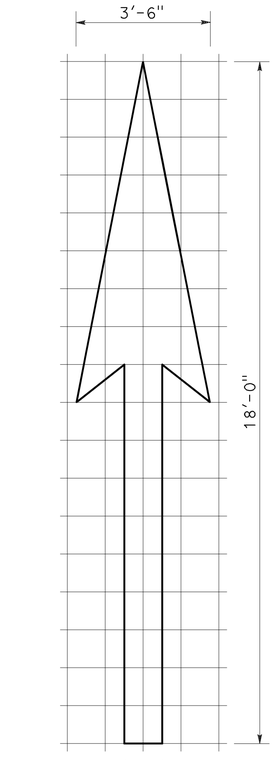
Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

April 20, 2012
PLANS APPROVAL DATE

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

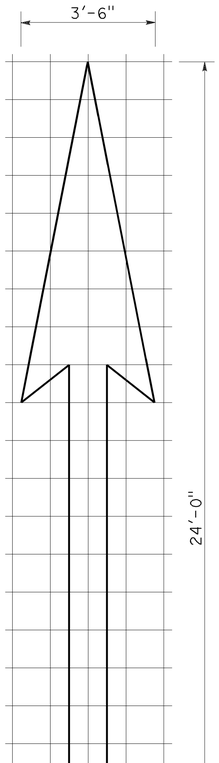
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 12-24-15



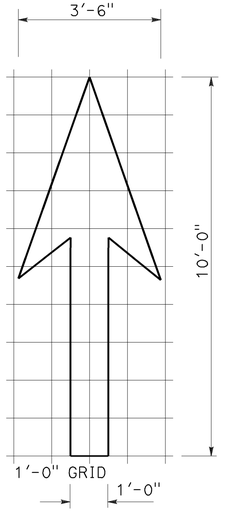
A=25 ft²

TYPE I 18'-0" ARROW



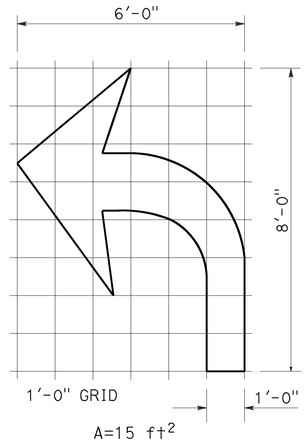
A=31 ft²

TYPE I 24'-0" ARROW



A=14 ft²

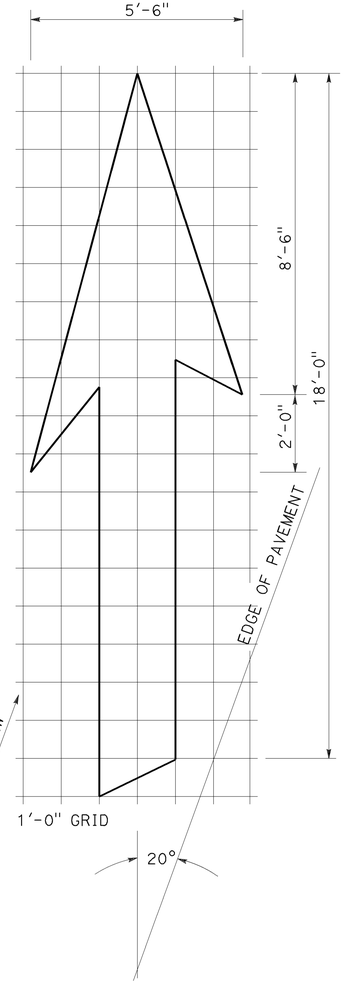
TYPE I 10'-0" ARROW



A=15 ft²

TYPE IV (L) ARROW

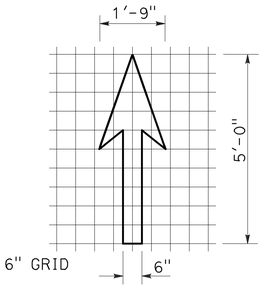
(For Type IV (R) arrow, use mirror image)



A=42 ft²

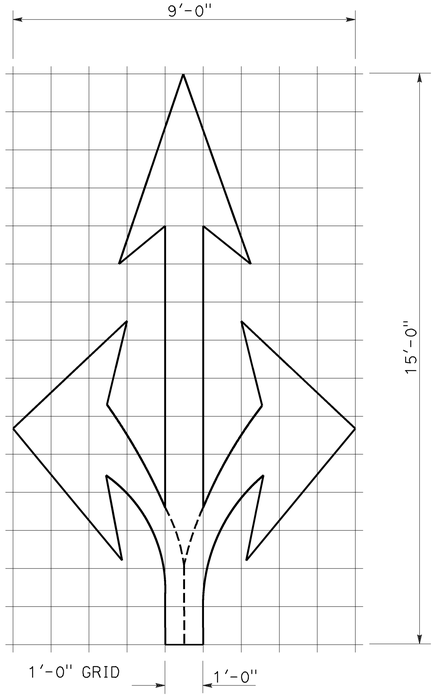
TYPE VI ARROW

Right lane drop arrow (For left lane, use mirror image)



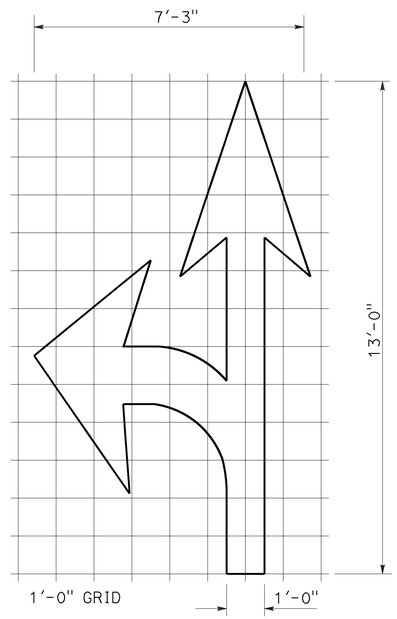
A=3.5 ft²

BIKE LANE ARROW



A=36 ft²

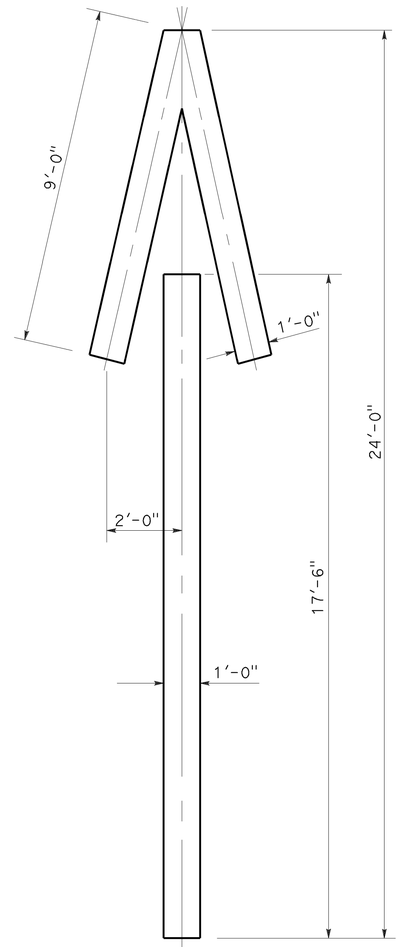
TYPE VIII ARROW



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

3-14-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60, 91, 215	Var	17	35

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

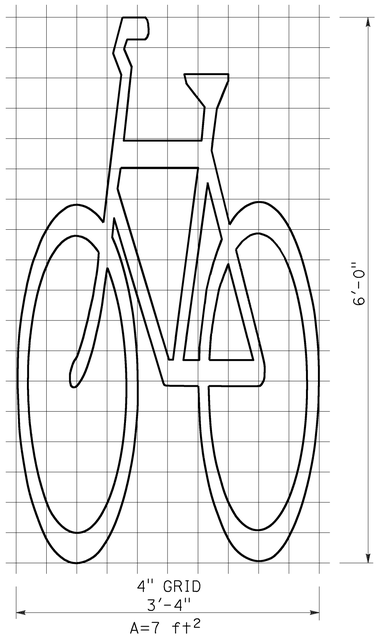
October 19, 2012
PLANS APPROVAL DATE

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

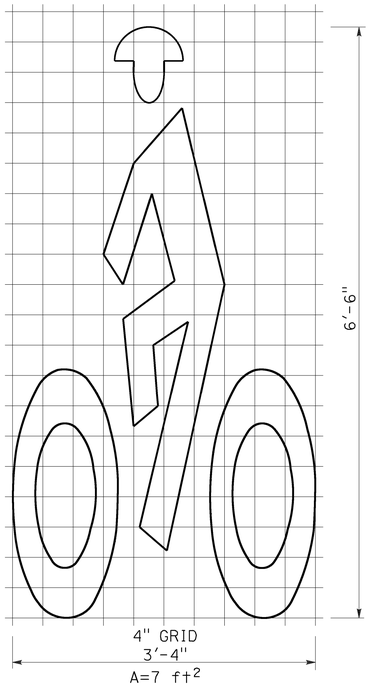
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE: TO ACCOMPANY PLANS DATED 12-24-15

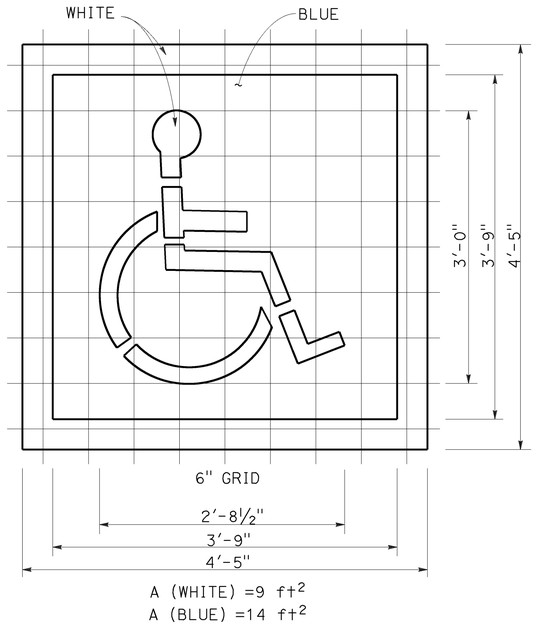
Minor variations in dimensions may be accepted by the Engineer.



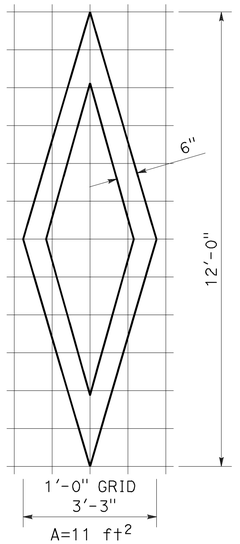
BIKE LANE SYMBOL WITHOUT PERSON



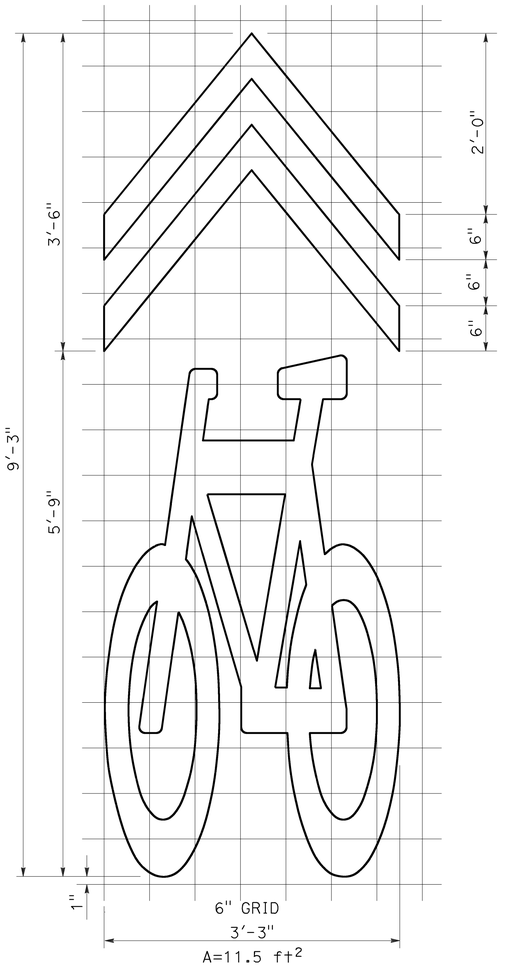
BIKE LANE SYMBOL WITH PERSON



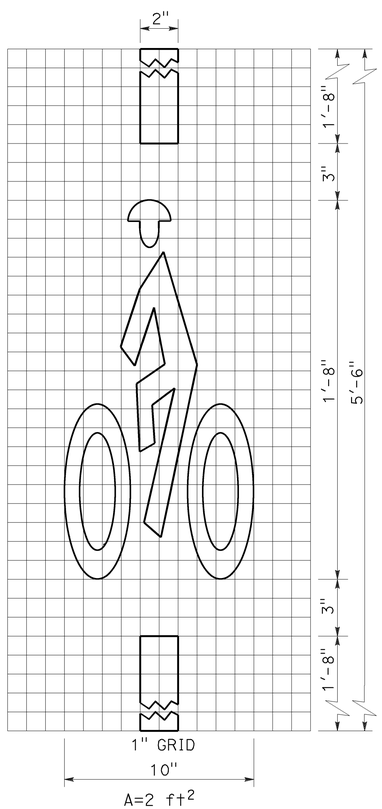
INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) MARKING



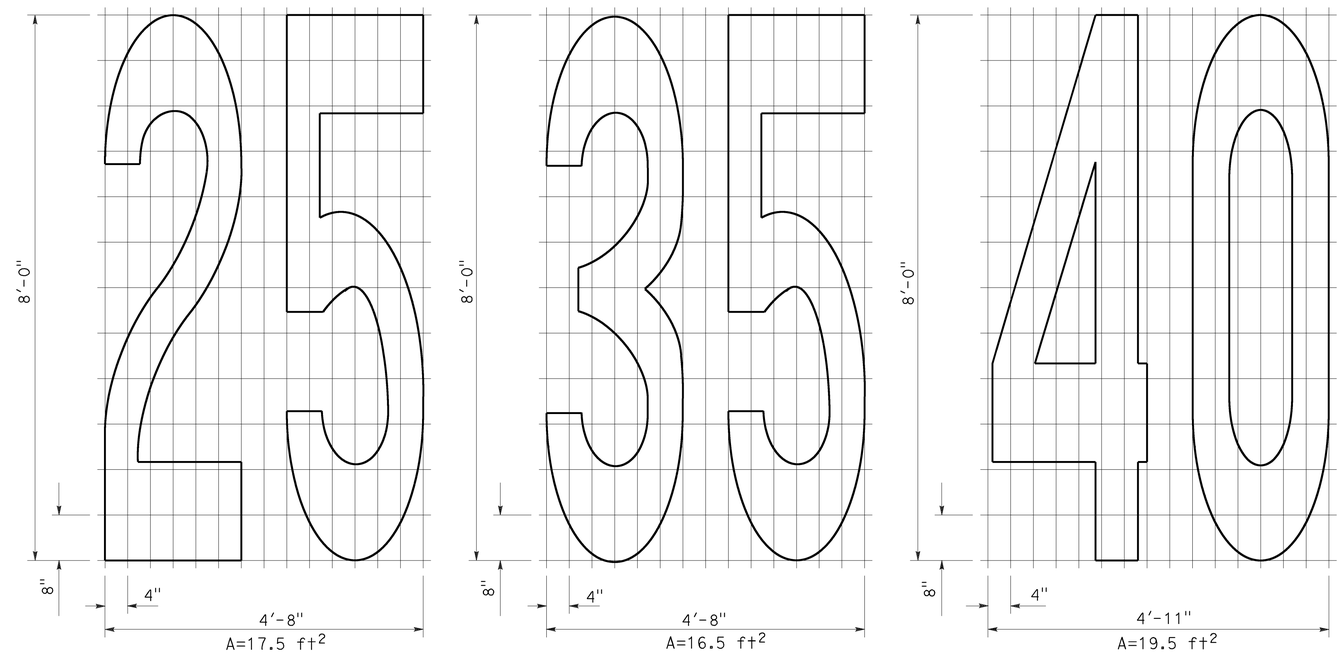
DIAMOND SYMBOL



SHARED ROADWAY BICYCLE MARKING



BICYCLE LOOP DETECTOR SYMBOL



NUMERALS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS SYMBOLS AND NUMERALS

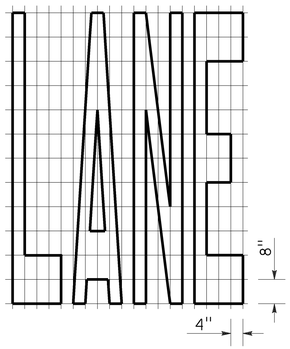
NO SCALE

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

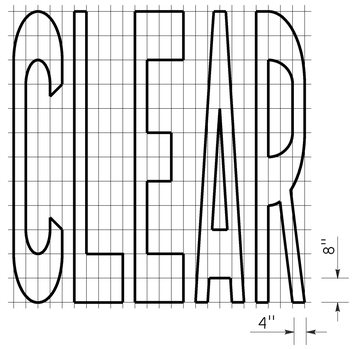
REVISED STANDARD PLAN RSP A24C

2010 REVISED STANDARD PLAN RSP A24C

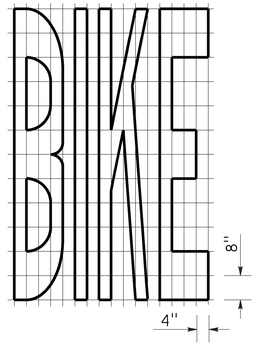
6-28-12



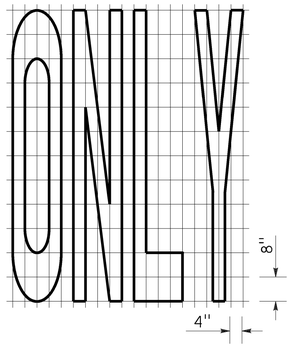
A=24 ft²



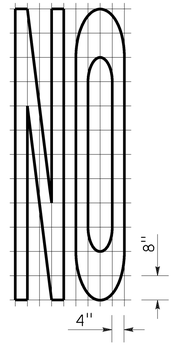
A=27 ft²



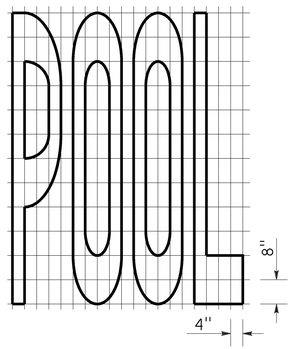
A=21 ft²



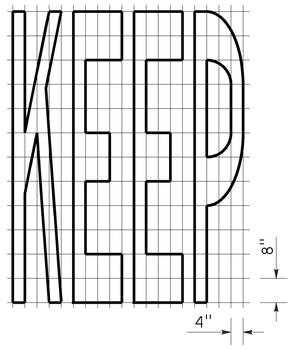
A=22 ft²



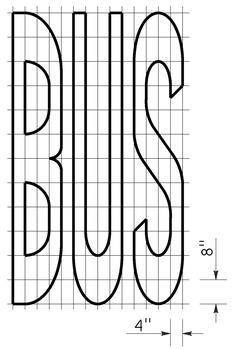
A=14 ft²



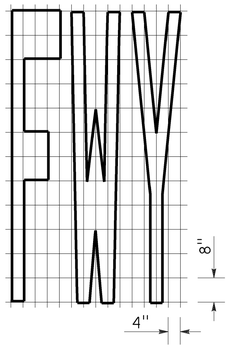
A=23 ft²



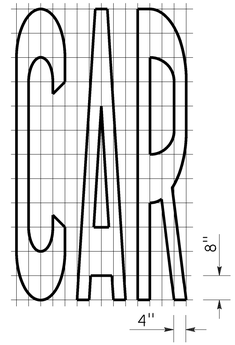
A=24 ft²



A=20 ft²



A=16 ft²



A=17 ft²

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60, 91, 215	Var	18	35

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

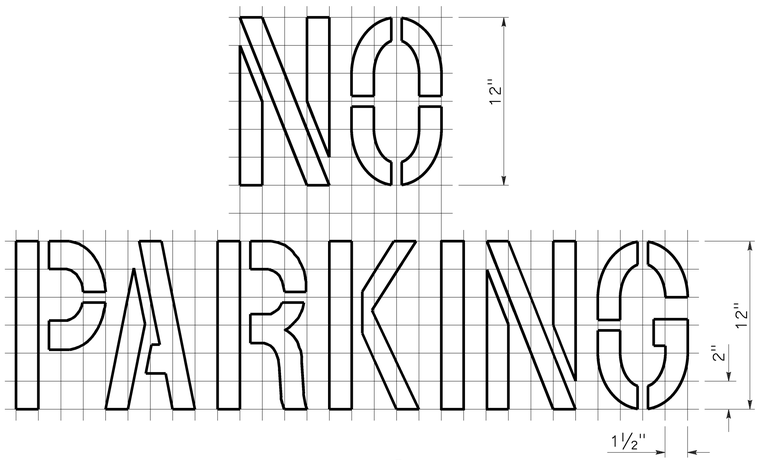
July 20, 2012
PLANS APPROVAL DATE

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

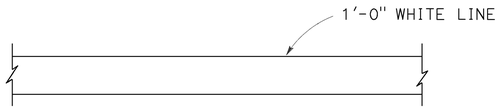
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 12-24-15

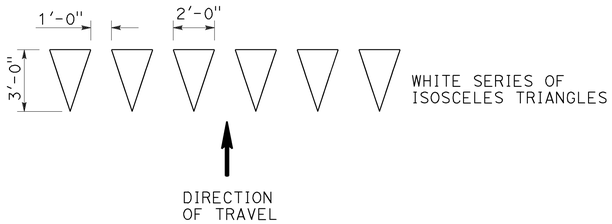
WORD MARKINGS			
ITEM	ft²	ITEM	ft²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



A=2 ft²
See Notes 6 and 7



LIMIT LINE (STOP LINE)



YIELD LINE

NOTES:

1. If a message consists of more than one word, it should read "UP", i.e., the first word should be nearest the driver.
2. The space between words should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
5. The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
6. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
WORDS, LIMIT AND YIELD LINES

NO SCALE

RSP A24E DATED JULY 20, 2012 SUPERSEDES STANDARD PLAN A24E
DATED MAY 20, 2011 - PAGE 17 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24E

2010 REVISED STANDARD PLAN RSP A24E

6-12-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60, 91, 215	Var	19	35

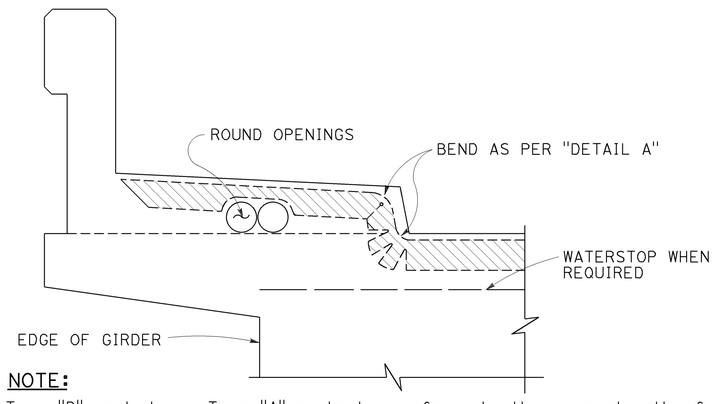
REGISTERED CIVIL ENGINEER

October 30, 2015
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Efthymios Delis — No. C51434 — Exp. 6-30-17 CIVIL — STATE OF CALIFORNIA

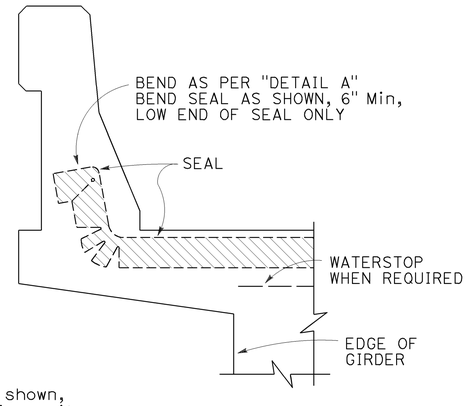
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 12-24-15

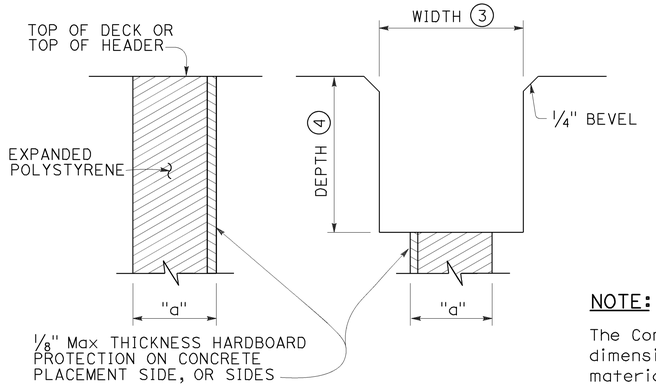


NOTE:
Type "B" seal shown. Type "A" seals to comform to the general path of seal shown, cuts for bending not required. Bend type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



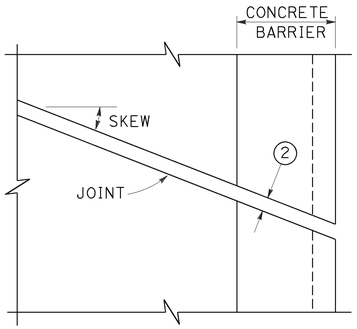
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

NOTE:
The Contractor shall verify all controlling field dimensions before ordering or fabricatiing any material.

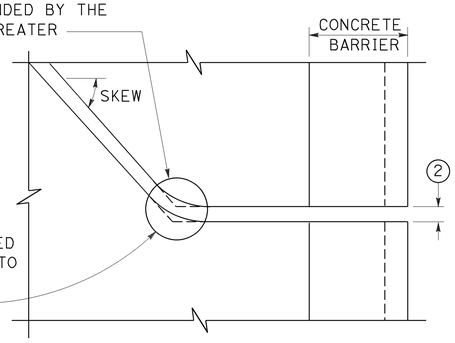
JOINT SEALS DETAILS



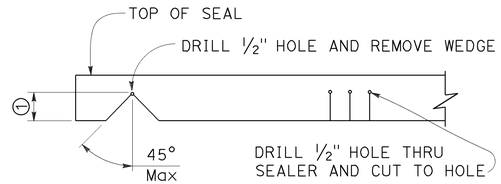
PLAN OF JOINT (SKEW ≤ 20°)

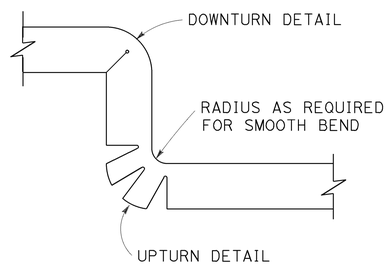
Min ℄ RADIUS TO BE 4 TIMES UNCOMPRESSED WIDTH OF SEAL OR AS RECOMMENDED BY THE MANUFACTURER, WHICHEVER IS GREATER

IN LIEU OF SAW CUTTING, THIS AREA MAY BE BLOCKED OUT AND RECONSTRUCTED TO MATCH SAW CUTTING ON BOTH SIDES.



PLAN OF JOINT (SKEW > 20°)



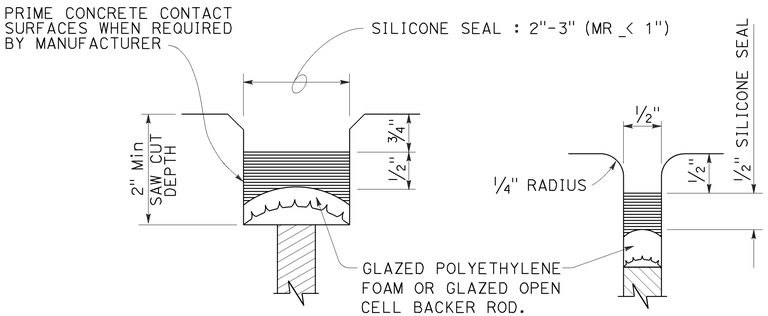


DETAIL A

NOTES:
1. Make smooth cuts from the bottom of seal to 1½" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
2. Opening in barrier to match width of sawn deck joint.
3. Sawcut groove widths shall be as ordered by the Engineer.
4. Depth of sawcut: Type A - Depth to be 2" minimum.
   Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (W_2) plus dimensions shown.
5. MR (movement rating) as shown on other plan sheets.
6. Other depths must be approved by the Engineer.
7. A sidewalk joint shall be covered by an expansion joint armor.

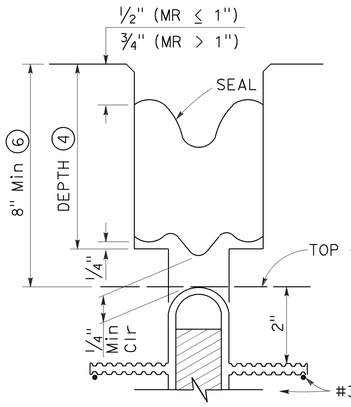
DIMENSIONS "a" OF JOINT REQUIRED

MOVEMENT RATING (MR) (5)	BRIDGE TYPE	"a" DIMENSION		
		DECK CONCRETE PLACED		
		WINTER	FALL-SPRING	SUMMER
2"	ALL EXCEPT CIP/PS	1½"	1¼"	¾"
	CIP/PS	1¼"	1"	½"
1½"	ALL EXCEPT CIP/PS	1¼"	1"	½"
	CIP/PS	1"	¾"	½"
1"	ALL EXCEPT CIP/PS	1"	¾"	½"
	CIP/PS	¾"	½"	½"
½"	ALL EXCEPT CIP/PS	¾"	¾"	½"
	CIP/PS	½"	½"	½"

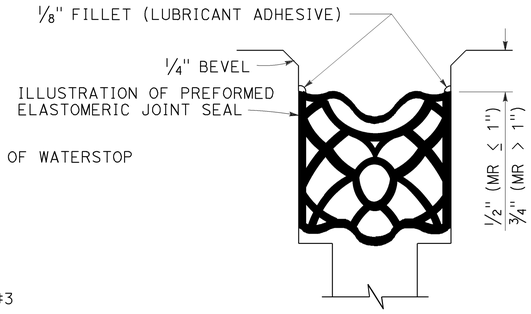


TYPE A SEAL
Movement rating : Silicone = 1" Max

TYPE AL SEAL
Longitudinal joints only



TYPE B JOINT SEAL
IN MINIMUM WIDTH POSITION (W_2)



TYPE B SEAL
Movement Rating ≤ 2"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

NO SCALE

RSP B6-21 DATED OCTOBER 30, 2015 SUPERSEDES STANDARD PLAN B6-21 DATED MAY 20, 2011 - PAGE 283 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP B6-21

2010 REVISED STANDARD PLAN RSP B6-21

8-18-15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60, 91, 215	Var	20	35

REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 12-24-15

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
					X	Y	Z **
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	55	110	27
60	1440	720	360	240	60	120	30
65	1560	780	390	260	65	130	32
70	1680	840	420	280	70	140	35

* - For other offsets, use the following merging taper length formula for L:
For speed of 40 mph or less, $L = WS^2/60$
For speed of 45 mph or more, $L = WS$

Where: L = Taper length in feet
W = Width of offset in feet
S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Longitudinal buffer space or flagger station spacing

*** - Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommmended distances.

2010 REVISED STANDARD PLAN RSP T9

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TABLES FOR LANE AND RAMP CLOSURES

NO SCALE

RSP T9 DATED JULY 19, 2013 SUPERSEDES RSP T9 DATED APRIL 19, 2013 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T9

4-30-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60, 91, 215	Var	21	35

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
CIVIL
REGISTERED PROFESSIONAL ENGINEER
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.

TO ACCOMPANY PLANS DATED 12-24-15

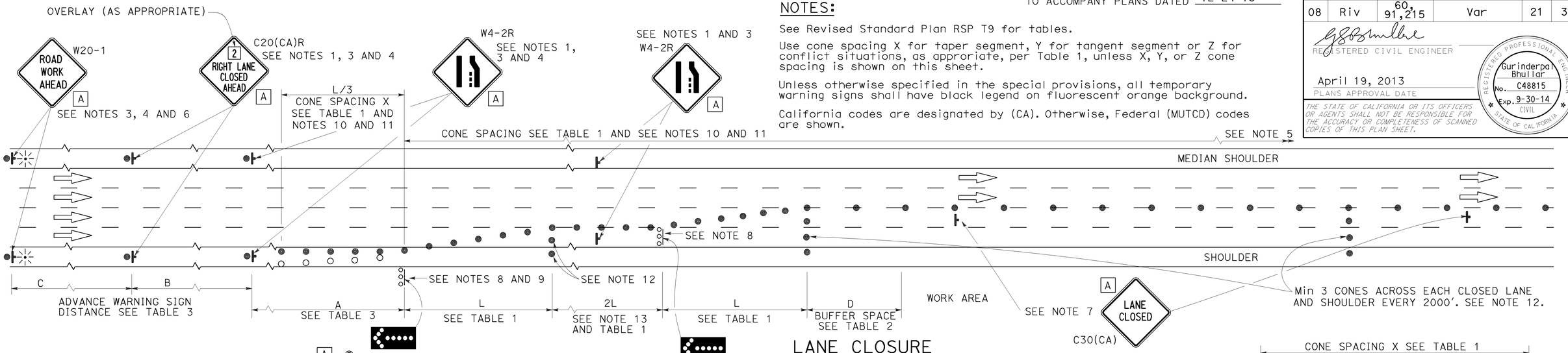
NOTES:

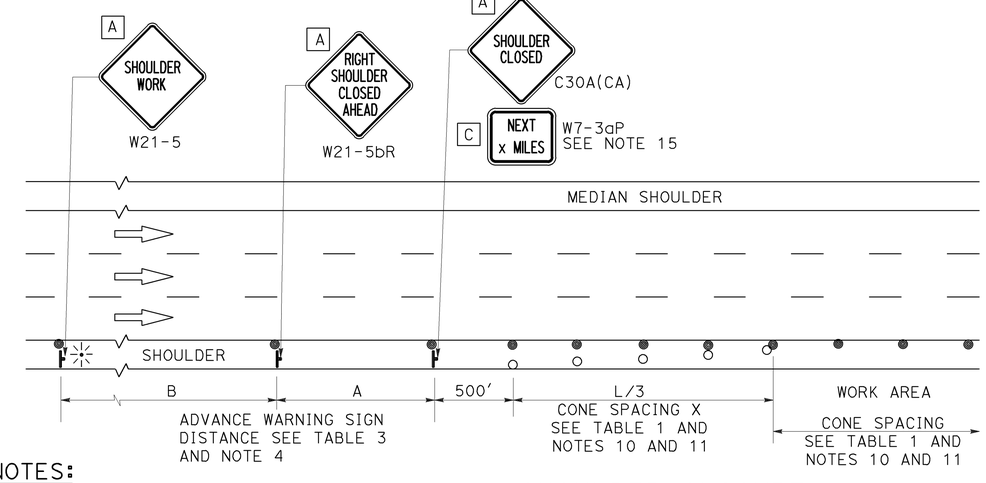
See Revised Standard Plan RSP T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

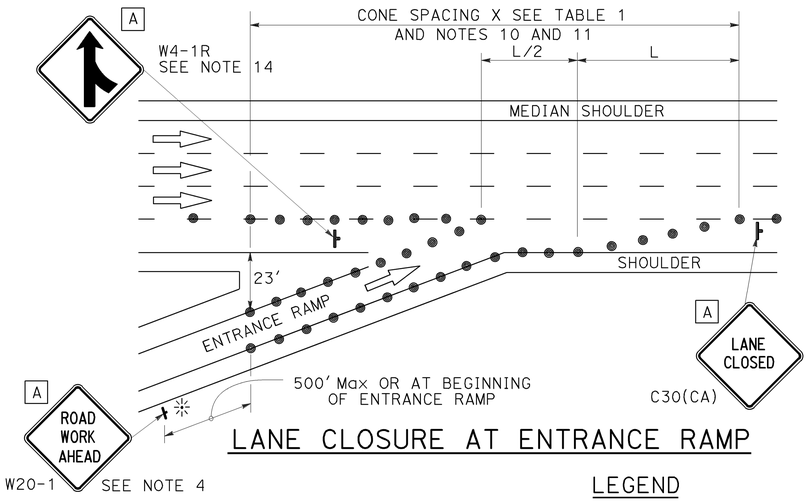
Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

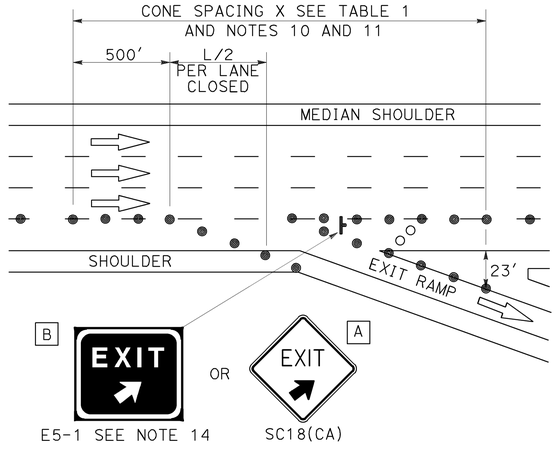




LANE CLOSURE



LANE CLOSURE AT ENTRANCE RAMP



LANE CLOSURE AT EXIT RAMP

SHOULDER CLOSURE

6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
7. Place a C30(CA) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
10. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
15. A W7-3aP "NEXT___MILES" plaque must be used if theshoulder closure extends beyond the distance that can be perceived by road users.

NOTES:

1. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Duplicate sign installations are not required:
   a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
   b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
5. A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

A	48" x 48"
B	72" x 60"
C	36" x 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10

2010 REVISED STANDARD PLAN RSP T10

12-18-12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	22	35

09/25/15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/16 — 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.

INDEX TO PLANS

STANDARD PLANS DATED 2010

SHEET NO.	TITLE
A10A	ABBREVIATIONS (SHEET 1 OF 2)
RSP A10B	ABBREVIATIONS (SHEET 2 OF 3)
A10C	LINES AND SYMBOLS (SHEET 1 OF 3)
A10D	LINES AND SYMBOLS (SHEET 2 OF 3)
A10E	LINES AND SYMBOLS (SHEET 3 OF 3)
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

STANDARD PLAN SHEET NO.

DETAIL NO.

LEGEND:

Indicates existing.

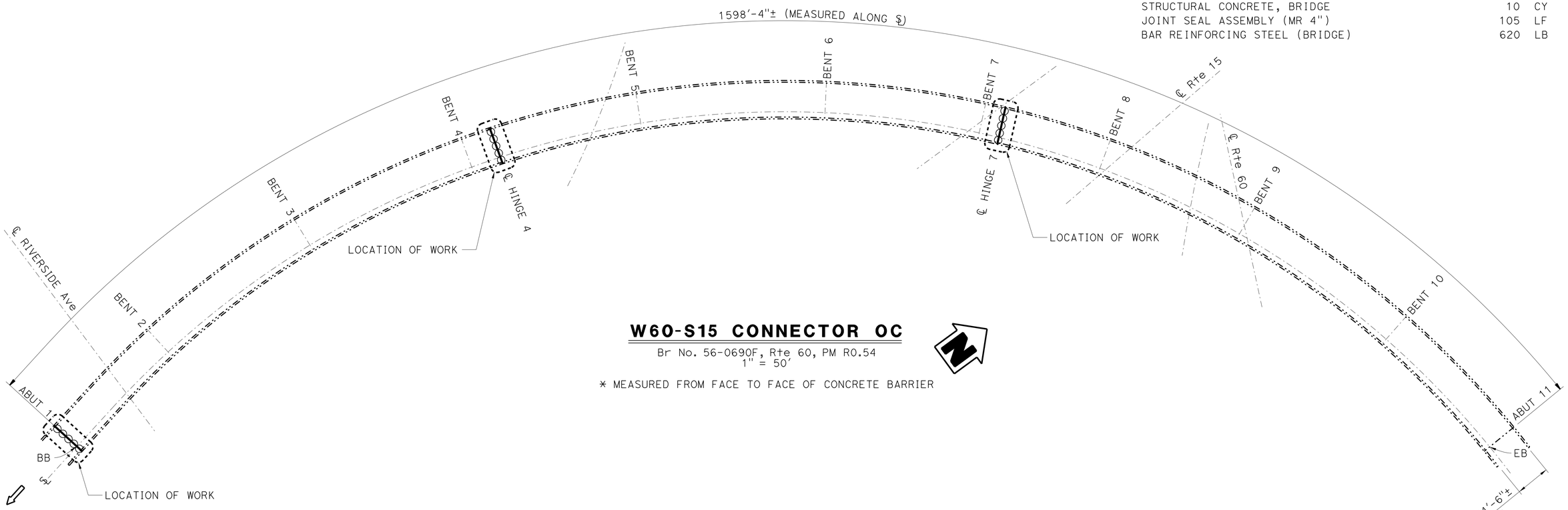
Indicates direction of traffic.

Indicates location of existing joint seal assembly removal and placement with new strip joint seal assembly.

W60-S15 CONNECTOR OC — BRIDGE NO. 56-0690F

QUANTITIES

BRIDGE REMOVAL (PORTION)	LUMP SUM
TEMPORARY DECKING	LUMP SUM
STRUCTURAL CONCRETE, BRIDGE	10 CY
JOINT SEAL ASSEMBLY (MR 4")	105 LF
BAR REINFORCING STEEL (BRIDGE)	620 LB



W60-S15 CONNECTOR OC

Br No. 56-0690F, Rte 60, PM R0.54
1" = 50'

* MEASURED FROM FACE TO FACE OF CONCRETE BARRIER

TEMPORARY DECKING DESIGN LOADING (ABUT1):

1. Moment demand per foot = 3800 lbs-ft/ft
2. For steel plate systems:
   a. anchor bolt shear per foot = 2700 lbs/ft
   b. anchor bolt tension = 4225 lbs
   c. maximum anchor bolt spacing = 1.0 ft
   d. anchor bolt minimum ⅞" ø

NOTES:

1. For Temporary Steel Decking at hinge 4 and hinge 7, see "TEMPORARY STEEL DECKING" sheet.

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

TONY BRAKE
DESIGN ENGINEER

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	E. NAHM	T. BRAKE			
DETAILS	T. DANG	E. NAHM	LAYOUT	T. DANG	E. NAHM
QUANTITIES	E. NAHM	T. BRAKE	SPECIFICATIONS	K. ELLINGSON	PLANS AND SPECS COMPARED K. ELLINGSON

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. 56-0690F
POST MILE R0.54

W60-S15 CONNECTOR OC
ROUTE 60,91,215 BRIDGES
GENERAL PLAN NO. 1

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 CONTRACT NO.: 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
3-01-15				01	14

FILE => 08-1F6501_g-gp01.dgn

USERNAME => s102458 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:44

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	23	35

09/25/15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
EDWARD J. NAHM
No. C66900
Exp. 09/30/16
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.

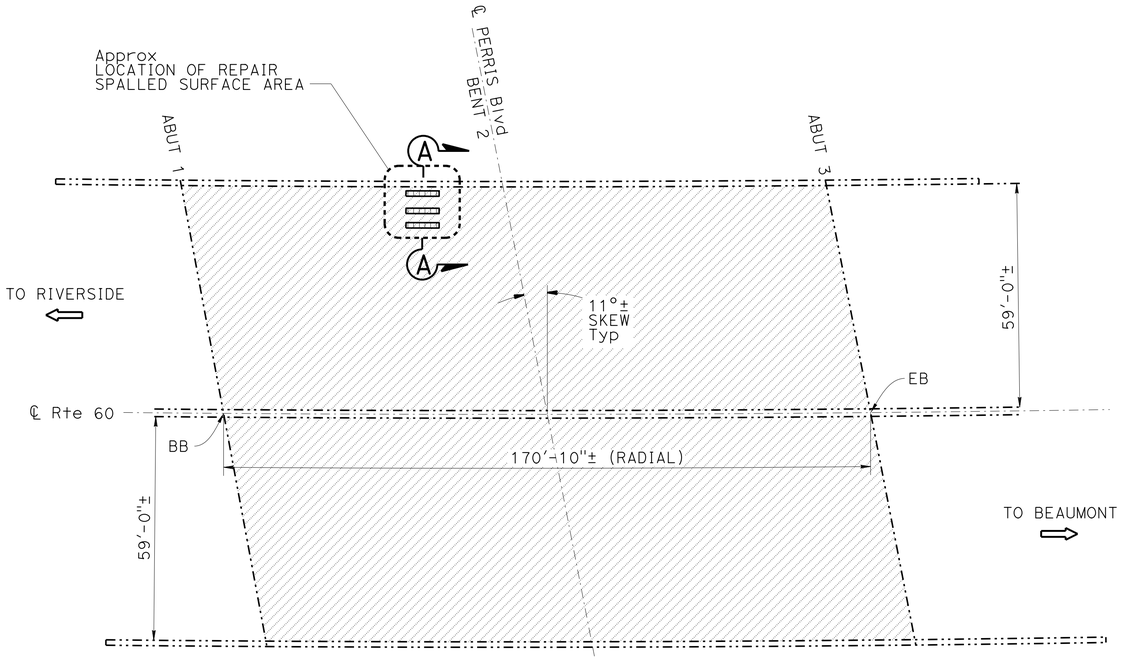
PERRIS BLVD UC BRIDGE NO. 56-0421

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
REPAIR SPALLED SURFACE AREA	3	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	20,159	SQFT
TREAT BRIDGE DECK	20,159	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	252	GAL

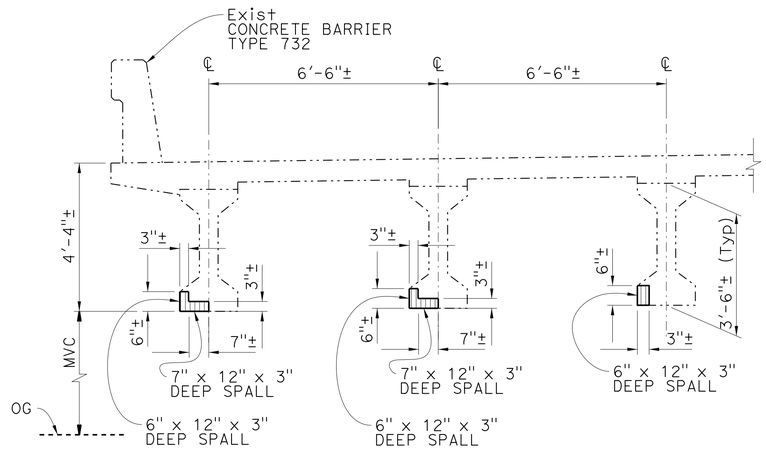
LEGEND:

-----------	Indicates existing.
⇨	Indicates direction of traffic.
▨	Indicates limits of prepare concrete bridge deck surface and treat existing bridge deck with high molecular weight methacrylate.
▥	Indicates limits of Repair Spalled Surface Area.
MVC	Minimum Vertical Clearance, 16′-3"±.



PERRIS BLVD UC

Br No. 56-0421, Rte 60, PM 16.35
1" = 20′



SECTION A-A

NO SCALE

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

TONY BRAKE
DESIGN ENGINEER

DESIGN	BY E. NAHM	CHECKED T. BRAKE	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
DETAILS	BY T. DANG	CHECKED E. NAHM	LAYOUT	BY T. DANG	CHECKED E. NAHM	
QUANTITIES	BY E. NAHM	CHECKED T. BRAKE	SPECIFICATIONS	BY K. ELLINGSON	PLANS AND SPECS COMPARED K. ELLINGSON	

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE
DESIGN

BRIDGE NO.
Various
POST MILE
Varies

ROUTE 60,91,215 BRIDGES
GENERAL PLAN NO. 2

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
3-01-15				02	14

FILE => 08-1F6501_g-gp02.dgn

USERNAME => s102458 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:44

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	24	35

09/25/15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
EDWARD J. NAHM
No. C66900
Exp. 09/30/16
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:

Indicates existing.

Indicates direction of traffic.

Indicates limits of remove 1/4" thick minimum and varies Asphalt Concrete Surfacing.

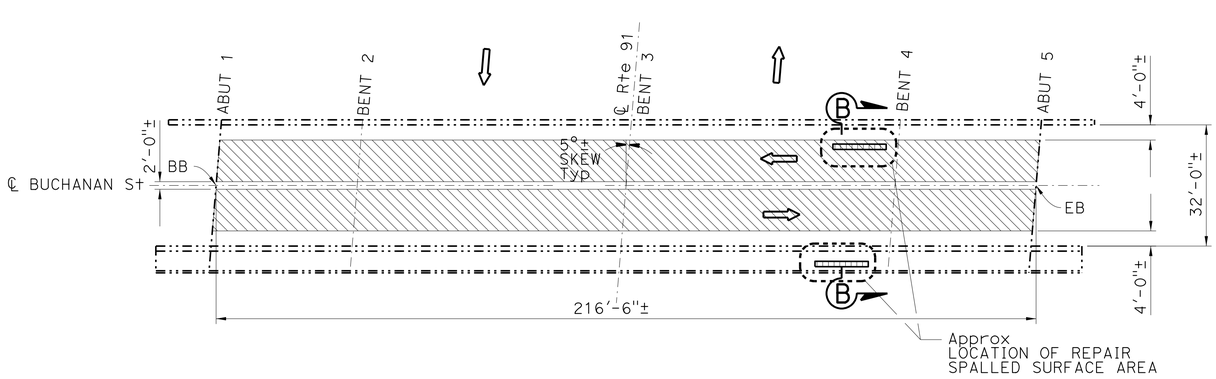
Indicates limits of Repair Spalled Surface Area.

MVC — Minimum Vertical Clearance, 15'-0"±.

BUCHANAN ST OC BRIDGE NO. 56-0368

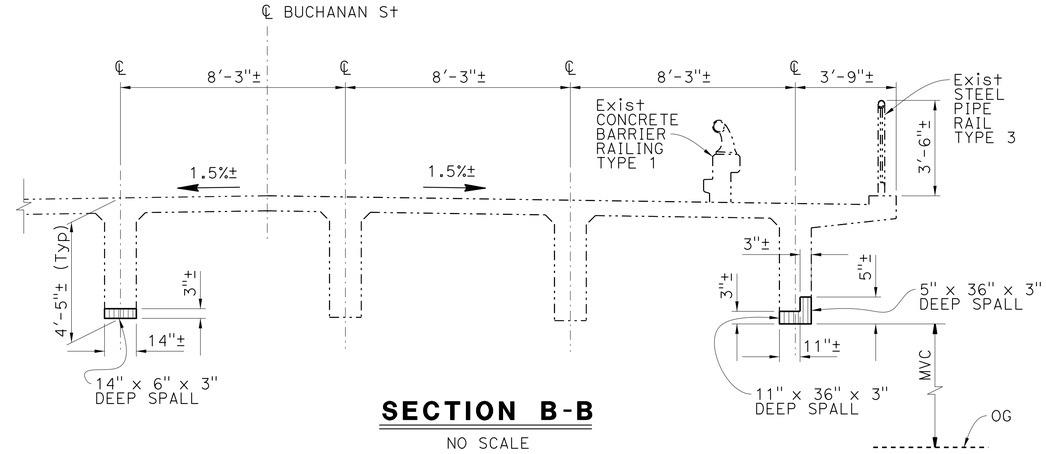
QUANTITIES

REPAIR SPALLED SURFACE AREA	5	SQFT
REMOVE ASPHALT CONCRETE SURFACING	4,763	SQFT



BUCHANAN STREET OC

Br No. 56-0368, Rte 91, PM 10.29
1" = 20'



SECTION B-B

NO SCALE

TONY BRAKE DESIGN ENGINEER	DESIGN	BY E. NAHM	CHECKED T. BRAKE	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
	DETAILS	BY T. DANG	CHECKED E. NAHM	LAYOUT	BY T. DANG	CHECKED E. NAHM	
	QUANTITIES	BY E. NAHM	CHECKED T. BRAKE	SPECIFICATIONS	BY K. ELLINGSON	PLANS AND SPECS COMPARED K. ELLINGSON	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 60,91,215 BRIDGES
GENERAL PLAN NO. 3

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 CONTRACT NO.: 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES					SHEET	OF
3-01-15					03	14

FILE => 08-1F6501_a-gp03.dgn

USERNAME => s102458 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	25	35

09/25/15
REGISTERED CIVIL ENGINEER — DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/16 — 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.

MISSION INN AVE UC — BRIDGE NO. 56-0315

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
REPAIR SPALLED SURFACE AREA	3	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	16,660	SQFT
TREAT BRIDGE DECK	16,660	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	208	GAL
CLEAN EXPANSION JOINT	310	LF
JOINT SEAL (MR 1")	310	LF

LEGEND:

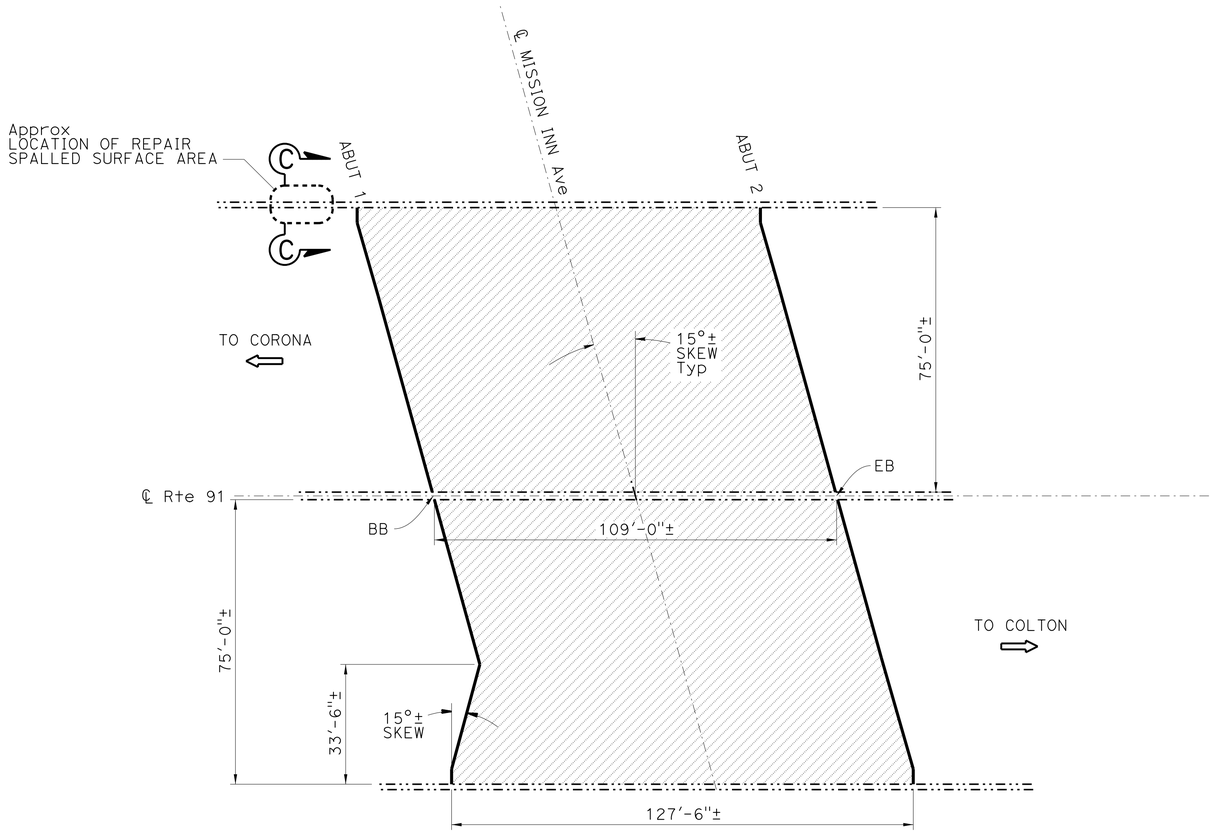
Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and treat existing bridge deck with high molecular weight methacrylate.

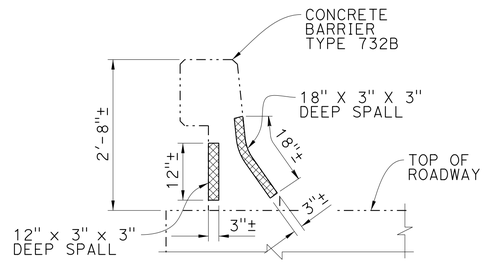
Indicates location of clean expansion joint and placement of new joint seal.

Indicates of Repair Spalled Surface Area.



MISSION INN AVENUE UC

Br No. 56-0315, Rte 91, PM 20.53
NO SCALE



VIEW C-C

NO SCALE

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

DESIGN	BY E. NAHM	CHECKED T. BRAKE	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
DETAILS	BY T. DANG	CHECKED E. NAHM	LAYOUT	BY T. DANG	CHECKED E. NAHM		
QUANTITIES	BY E. NAHM	CHECKED T. BRAKE	SPECIFICATIONS	BY K. ELLINGSON	PLANS AND SPECS COMPARED K. ELLINGSON		

TONY BRAKE
DESIGN ENGINEER

BRIDGE NO.: Various
POST MILE: Varies

ROUTE 60,91,215 BRIDGES
GENERAL PLAN NO. 4

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 CONTRACT NO.: 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
3-01-15				04	14

FILE => 08-1F6501_a-gp04.dgn

USERNAME => s102456 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	26	35

09/25/15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/16 — 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:

Indicates existing.

Indicates direction of traffic.

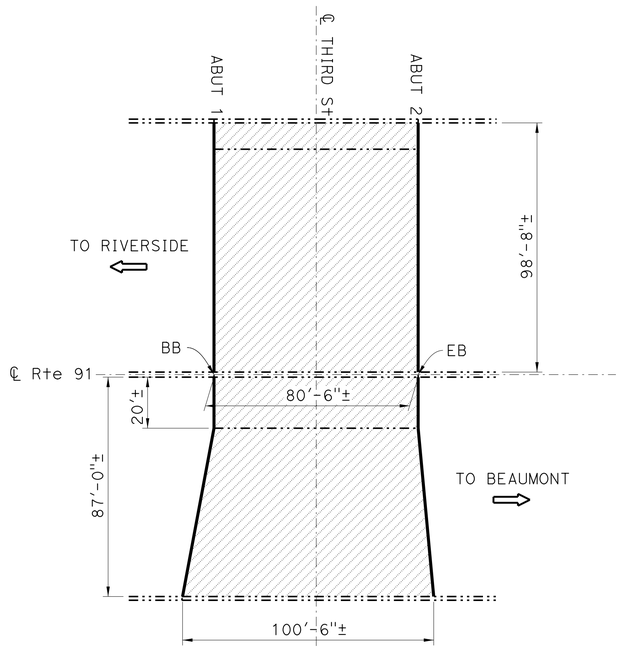
Indicates limits of prepare concrete bridge deck surface and treat existing bridge deck with high molecular weight methacrylate.

Indicates location of clean expansion joint and placement of new joint seal.

THIRD ST UC BRIDGE NO. 56-0316

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	15,616	SQFT
TREAT BRIDGE DECK	15,616	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	195	GAL
CLEAN EXPANSION JOINT	374	LF
JOINT SEAL (MR 1")	374	LF



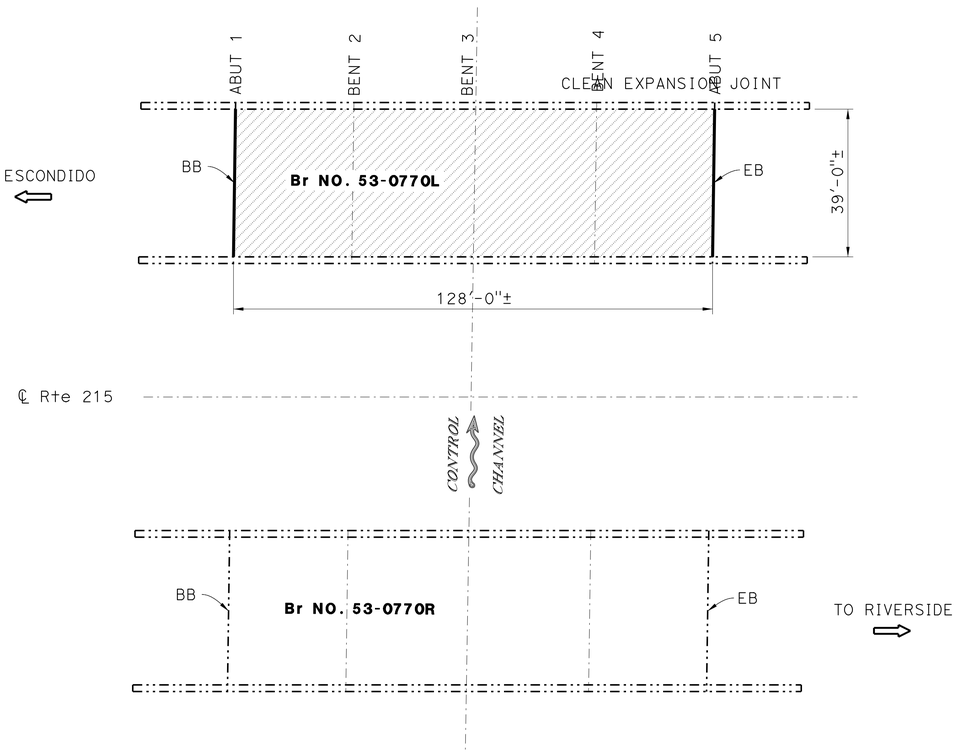
THIRD STREET UC

Br No. 56-0316, Rte 91, PM 20.85
1" = 30'

ROMOLAND FLOOD CONTROL CHANNEL BRIDGE BRIDGE NO. 56-0770L

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	4,992	SQFT
TREAT BRIDGE DECK	4,992	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	62	GAL
	78	LF
JOINT SEAL (MR 1")	78	LF



ROMOLAND FLOOD CONTROL CHANNEL

Br No. 56-0770L, Rte 215, PM 22.33
1" = 20'

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

TONY BRAKE
DESIGN ENGINEER

DESIGN	BY E. NAHM	CHECKED T. BRAKE	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	BY T. DANG	CHECKED E. NAHM	LAYOUT	BY T. DANG	CHECKED E. NAHM
QUANTITIES	BY E. NAHM	CHECKED T. BRAKE	SPECIFICATIONS	BY K. ELLINGSON	PLANS AND SPECS COMPARED K. ELLINGSON

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 60,91,215 BRIDGES
GENERAL PLAN NO. 5

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 CONTRACT NO.: 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
3-01-15				05	14

FILE => 08-1F6501_a-gp05.dgn

USERNAME => s102258 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	27	35

09/25/15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

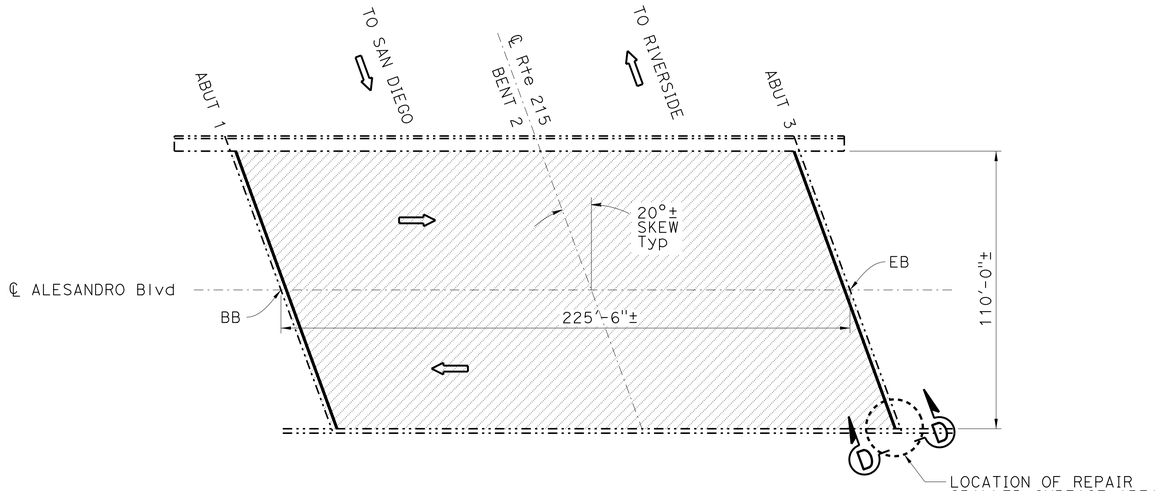
REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/16 — CIVIL — STATE OF CALIFORNIA

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.

ALESANDRO BLVD OC BRIDGE NO. 56-0756

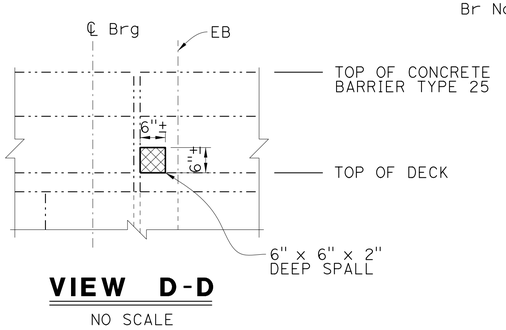
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
REPAIR SPALLED SURFACE AREA	1	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	24,805	SQFT
TREAT BRIDGE DECK	24,805	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	310	GAL
CLEAN EXPANSION JOINT	234	LF
JOINT SEAL (MR 1 1/2")	234	LF



ALESANDRO BLVD OC

Br No. 56-0756, Rte 215, PM R36.38
1" = 30'



VIEW D-D

NO SCALE

LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and treat existing bridge deck with high molecular weight methacrylate.

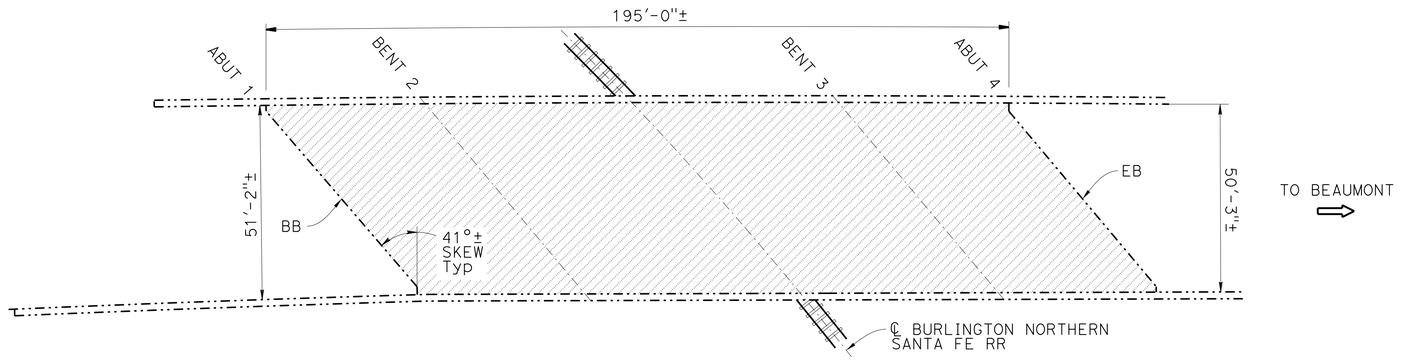
Indicates location of clean expansion joint and placement of new joint seal.

Indicates of Repair Spalled Surface Area.

BOX SPRINGS OH TRUCK CONNECTOR BRIDGE NO. 56-0805G

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	9,888	SQFT
TREAT BRIDGE DECK	9,888	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	124	GAL



BOX SPRINGS OH TRUCK CONNECTOR

Br No. 56-0805G, Rte 215, PM 38.64
NO SCALE

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

TONY BRAKE DESIGN ENGINEER	DESIGN	BY E. NAHM	CHECKED T. BRAKE	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
	DETAILS	BY T. DANG	CHECKED E. NAHM	LAYOUT	BY T. DANG	CHECKED E. NAHM	
	QUANTITIES	BY E. NAHM	CHECKED T. BRAKE	SPECIFICATIONS	BY K. ELLINGSON	PLANS AND SPECS COMPARED K. ELLINGSON	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 60,91,215 BRIDGES
GENERAL PLAN NO. 6

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 CONTRACT NO.: 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
3-01-15				06	14

FILE => 08-1F6501_a-gp06.dgn

USERNAME => s102458 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	28	35

09/25/15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
EDWARD J. NAHM
No. C66900
Exp. 09/30/16
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:

Indicates existing.

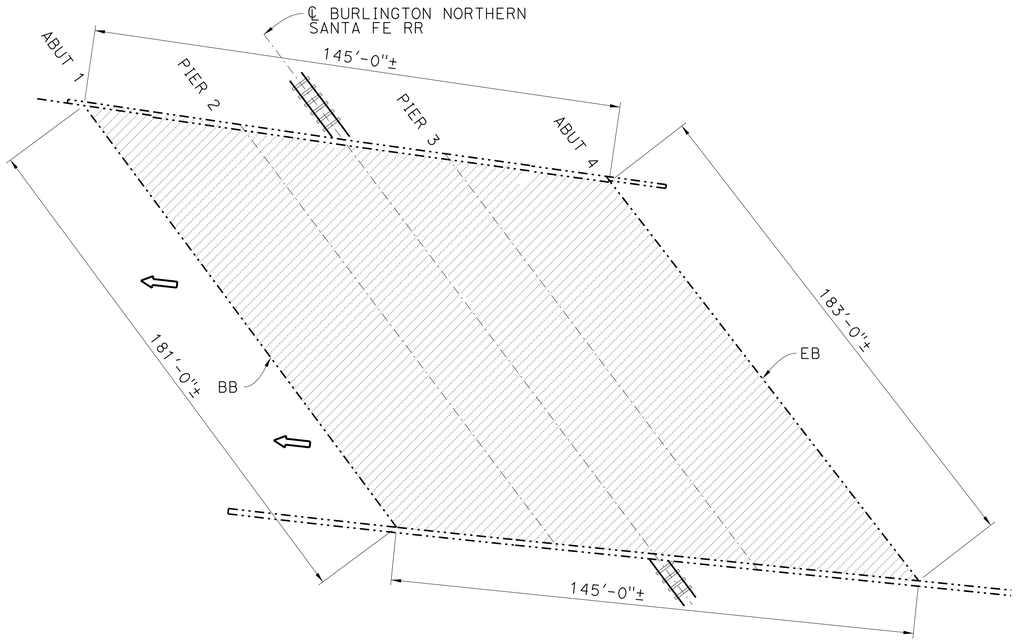
Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and treat existing bridge deck with high molecular weight methacrylate.

BOX SPRINGS OH BRIDGE NO. 56-0082R

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	26,390	SQFT
TREAT BRIDGE DECK	26,390	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	330	GAL



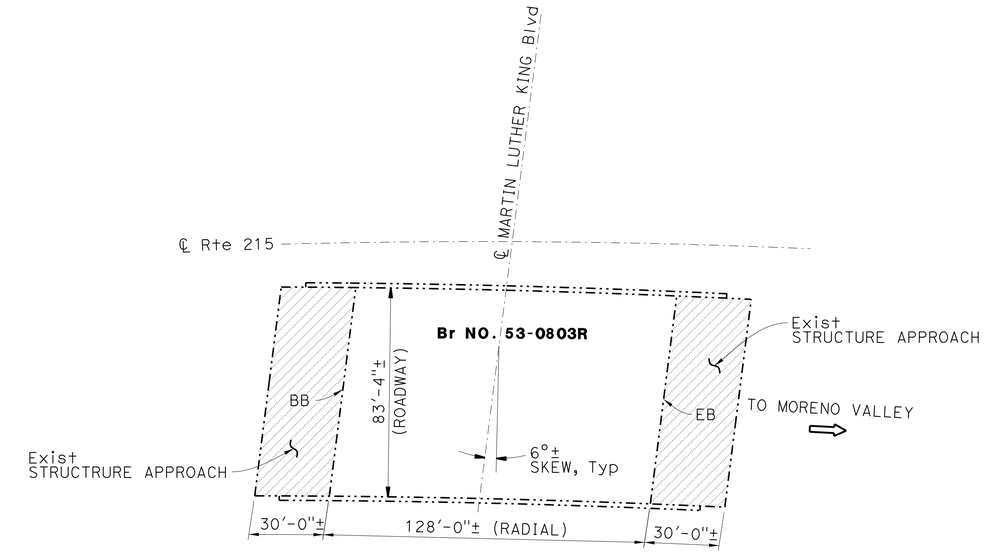
BOX SPRINGS OH

Br No. 56-0082R, Rte 215, PM R38.67
NO SCALE

MARTIN LUTHER KING BLVD UC BRIDGE NO. 56-0803R

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	5,000	SQFT
TREAT BRIDGE DECK	5,000	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	63	GAL



MARTIN LUTHER KING BLVD UC

Br No. 56-0803R, Rte 215, PM 40.86
NO SCALE

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

TONY BRAKE
DESIGN ENGINEER

DESIGN	BY E. NAHM	CHECKED T. BRAKE	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
DETAILS	BY T. DANG	CHECKED E. NAHM	LAYOUT	BY T. DANG	CHECKED E. NAHM	
QUANTITIES	BY E. NAHM	CHECKED T. BRAKE	SPECIFICATIONS	BY K. ELLINGSON	PLANS AND SPECS COMPARED K. ELLINGSON	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 60,91,215 BRIDGES
GENERAL PLAN NO. 7

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 CONTRACT NO.: 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
3-01-15				07	14

FILE => 08-1F6501_a-gp07.dgn

USERNAME => s102458 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	29	35

09/25/15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/16 — 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:

Indicates existing.

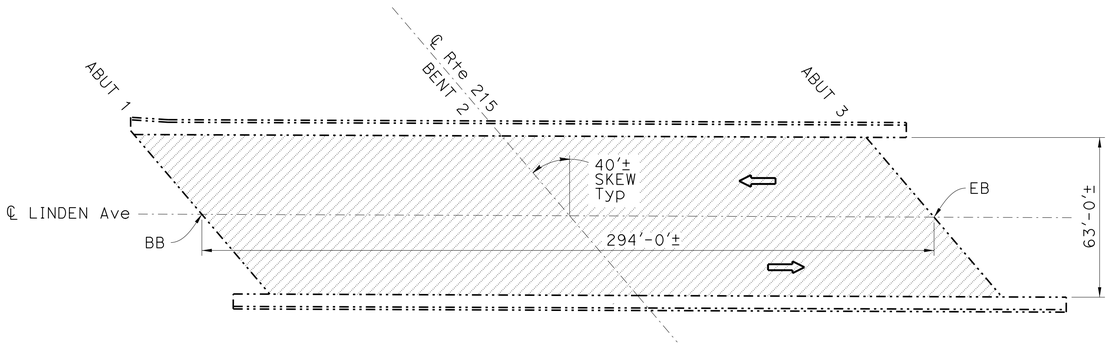
Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and treat existing bridge deck with high molecular weight methacrylate.

LINDEN AVE OC BRIDGE NO. 56-0823

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	18,522	SQFT
TREAT BRIDGE DECK	18,522	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	232	GAL



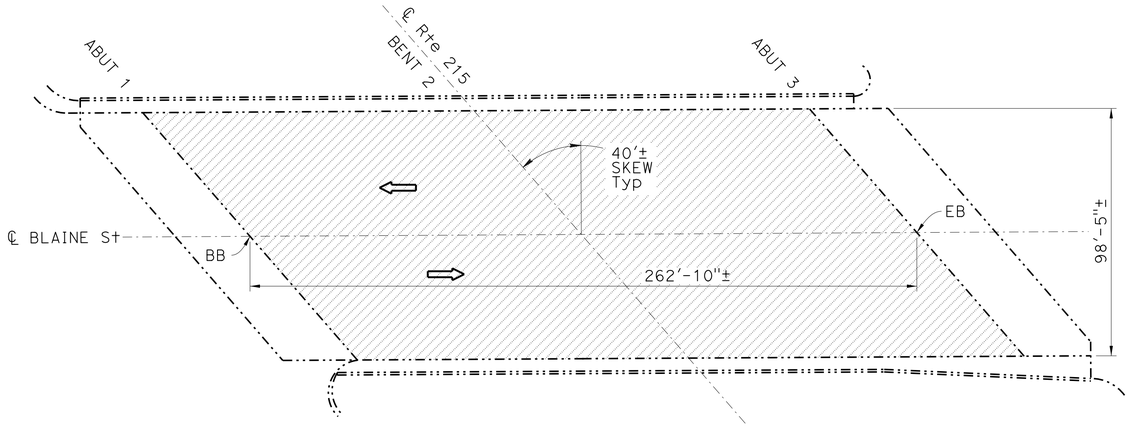
LINDEN AVE OC

Br No. 56-0823, Rte 215, PM 41.8
1" = 30'

BLAINE ST OC BRIDGE NO. 56-0821

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	25,869	SQFT
TREAT BRIDGE DECK	25,869	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	323	GAL



BLAINE STREET OC

Br No. 56-0821, Rte 215, PM 42.15
1" = 30'

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

DESIGN	BY E. NAHM	CHECKED T. BRAKE	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
DETAILS	BY T. DANG	CHECKED E. NAHM	LAYOUT	BY T. DANG	CHECKED E. NAHM		
QUANTITIES	BY E. NAHM	CHECKED T. BRAKE	SPECIFICATIONS	BY K. ELLINGSON	PLANS AND SPECS COMPARED K. ELLINGSON		

TONY BRAKE
DESIGN ENGINEER

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 CONTRACT NO.: 08-1F6504

BRIDGE NO.: Various
POST MILE: Varies

ROUTE 60,91,215 BRIDGES
GENERAL PLAN NO. 8

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
3-01-15				08	14

FILE => 08-1F6501_g-gp08.dgn

USERNAME => s102458 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:45

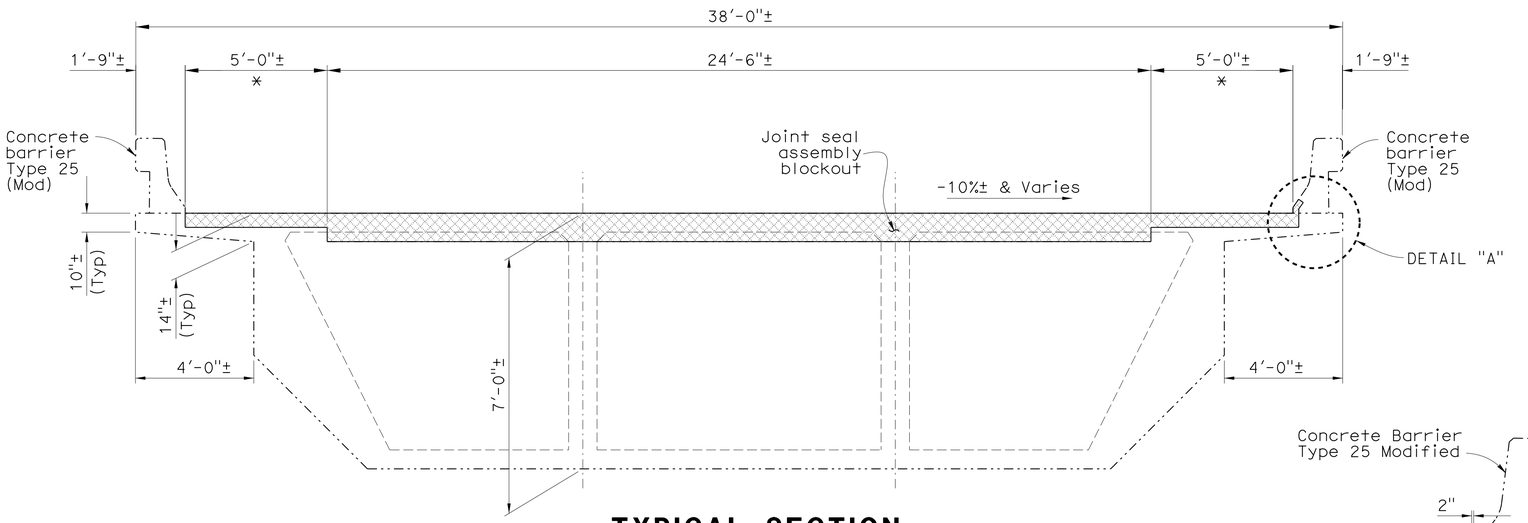
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	30	35

09/25/15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/16 — CIVIL — STATE OF CALIFORNIA

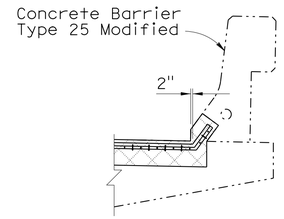
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.



TYPICAL SECTION

3/8" = 1'-0"

* Limit of exterior section, see Note 1



DETAIL "A"

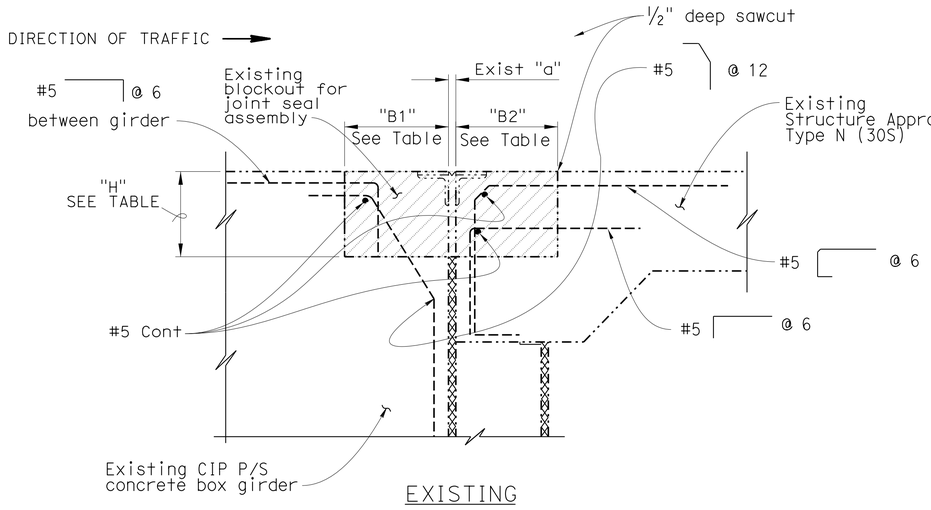
NO SCALE

LEGEND:

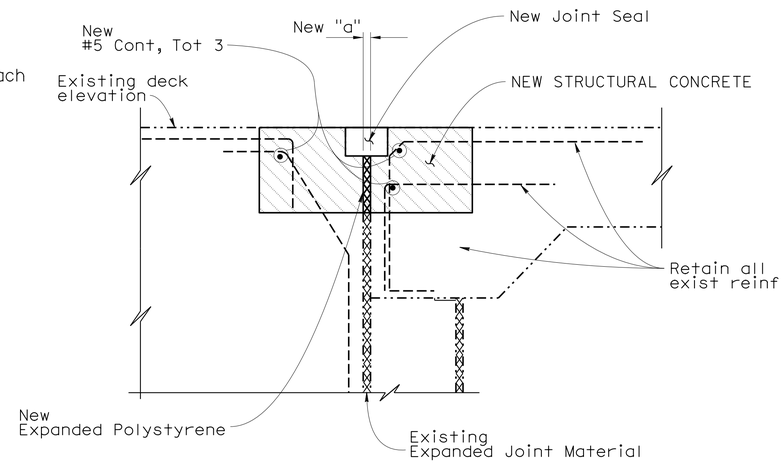
- Indicates existing.
- Indicates new structure.
- Indicates bridge removal (Portion). Preserve existing reinf.
- Indicates structural concrete (bridge).
- Indicates existing reinf.

NOTES:

1. Use 6" long angle anchor studs at 5'-0" exterior section.
2. Shop drawing for strip seal expansion joint system shall be submitted for approval by the Engineer.
3. For existing and new "a" dimension, see "JOINT SEAL ASSEMBLY" sheet.
4. For "a" dimension, see "JOINT SEAL ASSEMBLY" sheet.



EXISTING



RECONSTRUCTION

JOINT SEAL ASSEMBLY REPLACEMENT

(AT Abut 1)
NO SCALE
(Existing rebars that is intact shown only for clarity)

JOINT SEAL ASSEMBLY DIMENSIONS

BRIDGE NUMBER	JOINT SEAL LOCATION	"B1"	"B2"	"H"
56-0690F	ABUT 1 INTERIOR	1'-3"±	1'-3"±	10"
	ABUT 1 EXTERIOR	1'-3"±	1'-3"±	6"

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

	BY	CHECKED
DESIGN	E. NAHM	T. BRAKE
DETAILS	T. DANG	E. NAHM
QUANTITIES	E. NAHM	T. BRAKE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. 56-0690F
POST MILE R0.54

W60-S15 CONNECTOR OC

ROUTE 60,91,215 BRIDGES

JOINT SEAL DETAILS NO. 1

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 CONTRACT NO.: 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
3-01-15				09	14

FILE => 08-1F6501_b-jsdtls01.dgn

USERNAME => s102456 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	31	35

09/25/15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
EDWARD J. NAHM
No. C66900
Exp. 09/30/16
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.

JOINT SEAL ASSEMBLY DIMENSIONS

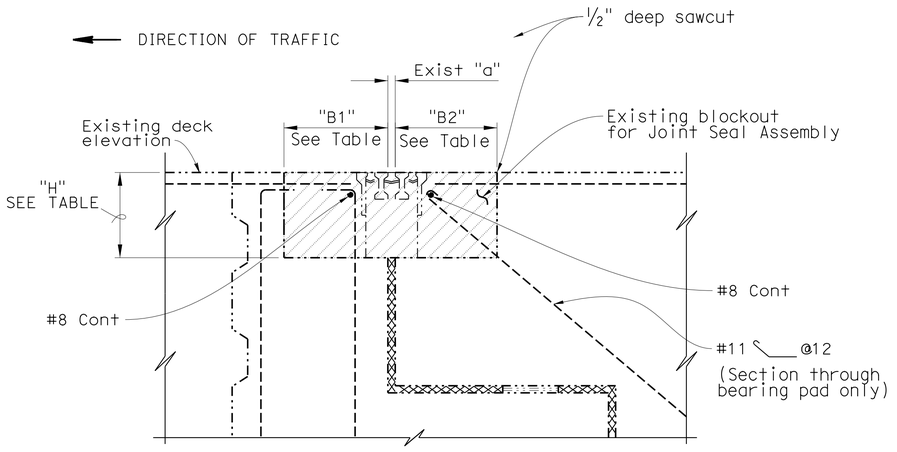
BRIDGE NUMBER	JOINT SEAL LOCATION	"B1"	"B2"	"H"
56-0690F	HINGE 4 INTERIOR	1'-8¾"±	1'-11¾"±	10"
	HINGE 4 EXTERIOR	1'-8¾"±	1'-11¾"±	6"
	HINGE 7 INTERIOR	1'-7½"±	2'-2½"±	10"
	HINGE 7 EXTERIOR	1'-7½"±	2'-2½"±	6"

NOTES:

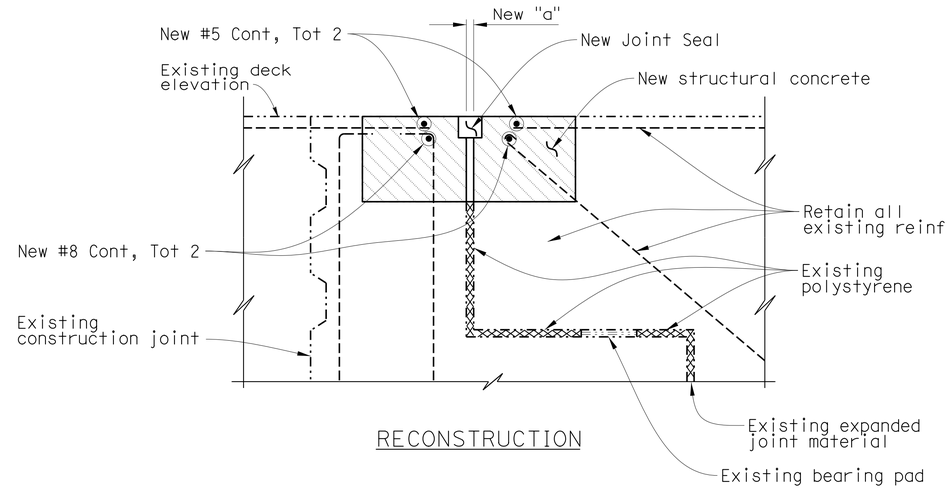
1. Use 6" long angle anchor studs at 5'-0" exterior section.
2. Shop drawing for strip seal expansion joint system shall be submitted for approval by the Engineer.
3. For existing and new "a" dimension, see "JOINT SEAL ASSEMBLY" sheet.
4. For "a" dimension, see "JOINT SEAL ASSEMBLY" sheet.
5. For the Typical Section, see "JOINT SEAL DETAILS NO. 1" sheet.
6. For Temporary Steel Decking, see "TEMPORARY STEEL DECKING" sheet.

LEGEND:

- Indicates existing.
- Indicates new structure.
- Indicates bridge removal (Portion). Preserve existing reinf.
- Indicates structural concrete (bridge).
- Indicates existing reinf.



EXISTING



RECONSTRUCTION

JOINT SEAL ASSEMBLY REPLACEMENT

(AT HINGES 4 AND 7)
NO SCALE
(Existing rebars that is intact shown only for clarity)

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

	BY	CHECKED
DESIGN	E. NAHM	T. BRAKE
DETAILS	T. DANG	E. NAHM
QUANTITIES	E. NAHM	T. BRAKE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. 56-0690F
POST MILE R0.54

W60-S15 CONNECTOR OC
ROUTE 60,91,215 BRIDGES
JOINT SEAL DETAILS NO. 2

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 CONTRACT NO.: 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
3-01-15				10	14

FILE => 08-1F6501_b-jsdtls02.dgn

USERNAME => s102458 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:45

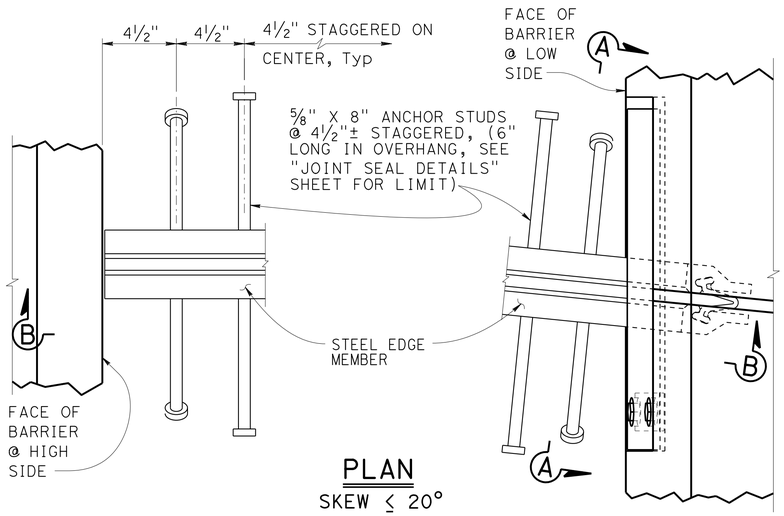
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	32	35

09/25/15
REGISTERED CIVIL ENGINEER DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/16 — CIVIL — STATE OF CALIFORNIA

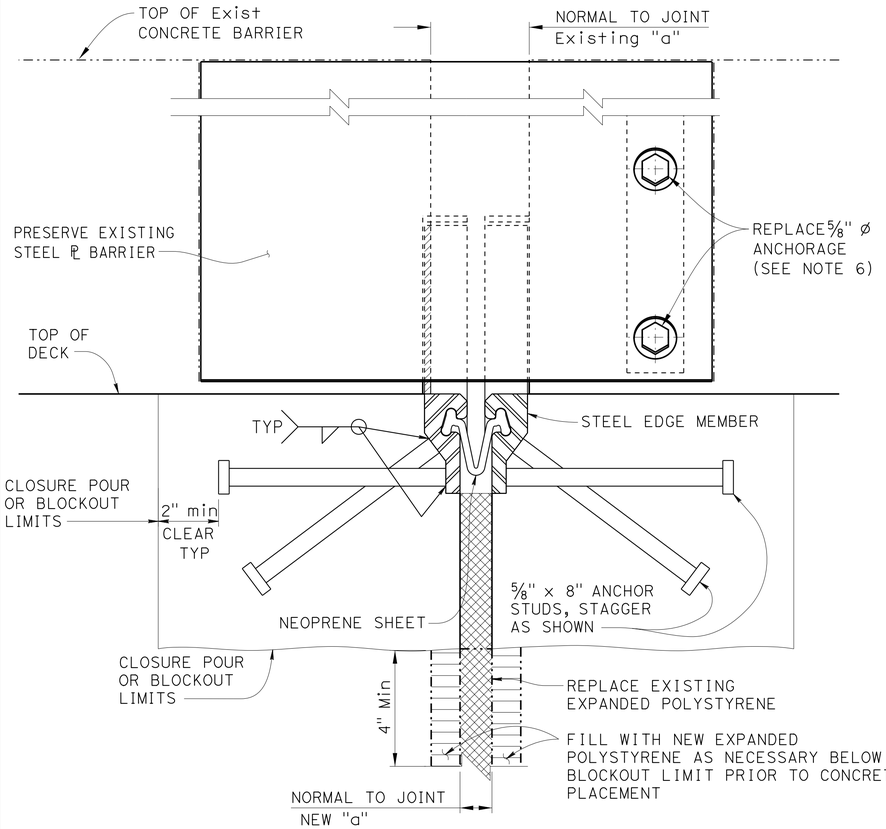
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.



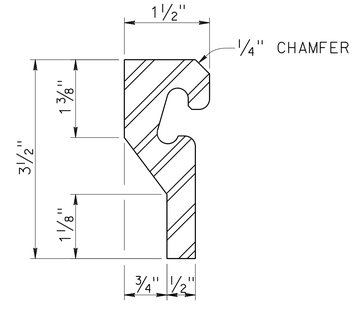
PLAN
SKEW ≤ 20°

JOINT INFORMATION				NEW "a" DIMENSIONS			Exist "a" DIMENSIONS
LOCATION		MOVEMENT RATING (MR)	SKEW	WINTER	SPRING & FALL	SUMMER	SUMMER
56-0690F	Abut 1	4"	0°	3½"	2½"	2"	4"
	Hinge 4	4"	0°	3½"	2½"	2"	4"
	Hinge 7	4"	0°	3½"	2½"	2"	5"

NOTES:
1. Full penetration butt welds may be substituted for fillet welds on all anchor studs
2. Alternate types of anchor studs may be permitted subject to the approval by the Engineer
3. Joint seal assembly to be used in conjunction with closure pour. (See "JOINT SEAL DETAILS" sheet for limits).
4. Use joint at crown of roadway, at any change in traverse slope in deck and at changes in horizontal direction. Place other joints at or near lanes. All metal parts to be hot dip galvanized after fabrication
5. Sheet Neoprene shall be fabricated in one continuous piece and shall be fabricated to bend around corners. Field splices of the neoprene are not allowed.
6. Insert assembly or expansion anchorage for ⅝" x 1¾" HS bolts.
7. Sidewalk Detail similar to Barrier Detail on low side at both sides if the roadway is crowned or if the difference in elevation between the ends of the seal is 0.5′ or less
8. Anchor studs shall conform to ASTM A108.



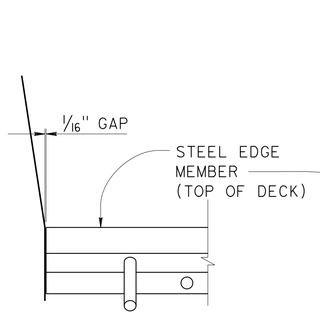
SECTION A-A



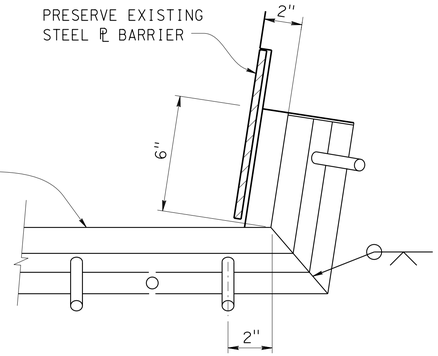
STEEL EDGE MEMBER

LEGEND:

- Indicates existing.
- Indicates new structure.
- Indicates concrete grind limits as necessary to fit vertical steel edge members.

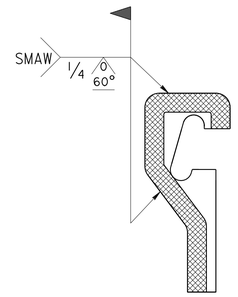


BARRIER DETAIL
HIGH SIDE



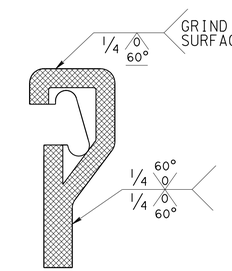
BARRIER DETAIL
LOW SIDE

SECTION B-B



SCHEMATIC FIELD
WELD DETAIL

NOTE:
SHADED AREAS
TO BE WELDED



SCHEMATIC SHOP
WELD DETAIL

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

	BY	CHECKED
DESIGN	E. NAHM	T. BRAKE
DETAILS	T. DANG	E. NAHM
QUANTITIES	E. NAHM	T. BRAKE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. 56-0690F
POST MILE R0.54

W60-S15 CONNECTOR OC
ROUTE 60,91,215 BRIDGES
JOINT SEAL ASSEMBLY

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

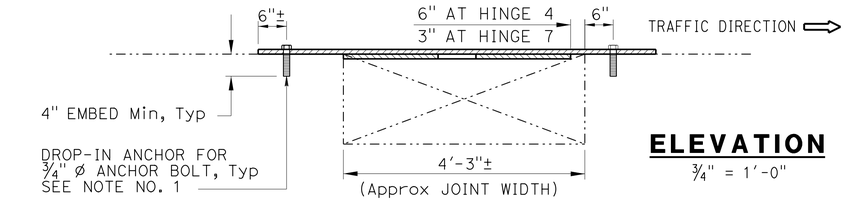
UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 CONTRACT NO.: 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
3-01-15				11	14

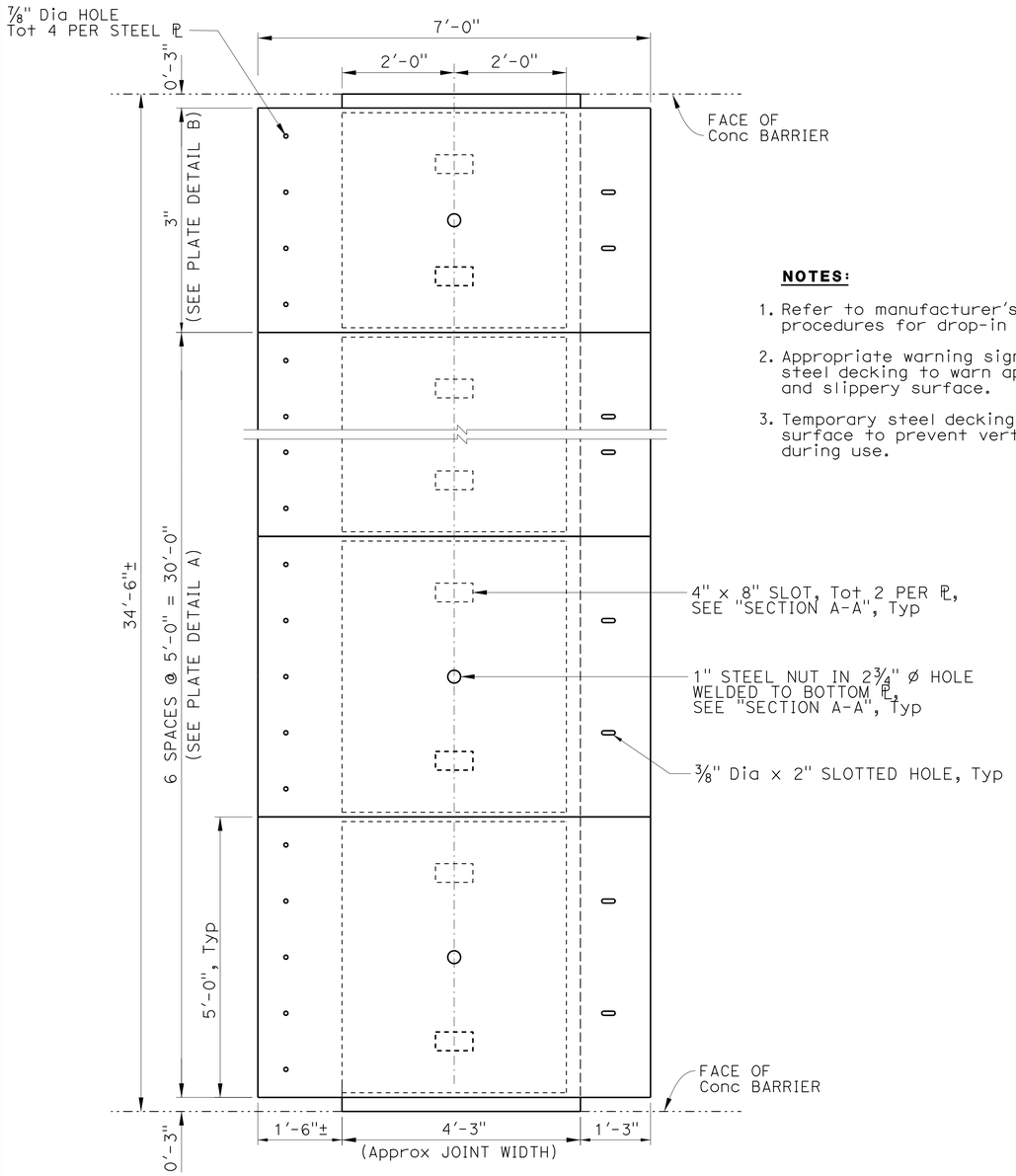
FILE => 08-1F6501_c-jsa.dgn

USERNAME => s102458 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:45



ELEVATION

¾" = 1'-0"



PLAN VIEW

¾" = 1'-0"

NOTES:

1. Refer to manufacturer's specifications and installation procedures for drop-in anchor system.
2. Appropriate warning signs shall be placed before the steel decking to warn approaching traffic of a bump and slippery surface.
3. Temporary steel decking shall be placed on a flat surface to prevent vertical movement of the plates during use.

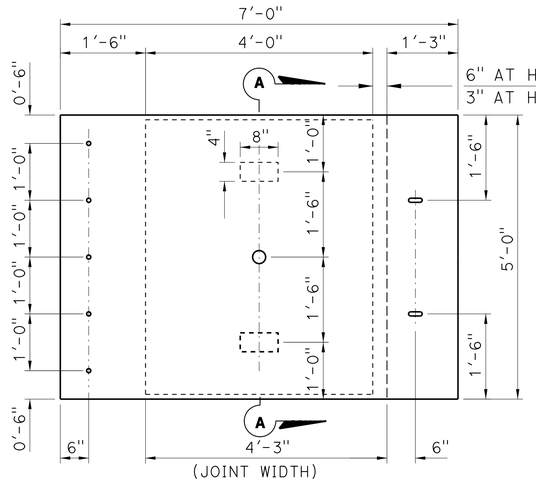


PLATE DETAIL A

¾" = 1'-0'
(PLAN VIEW)

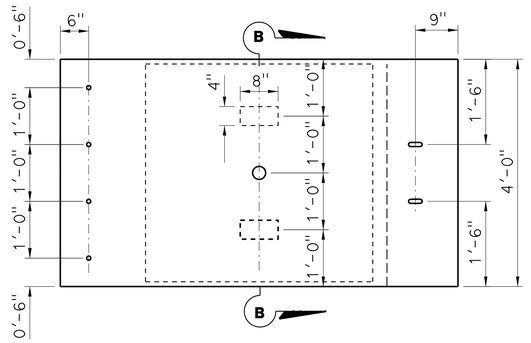
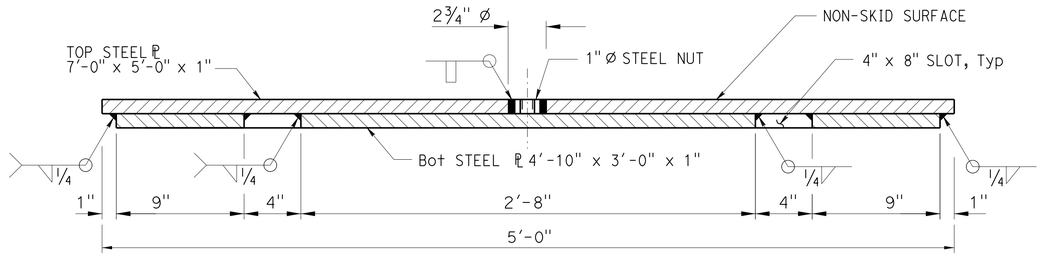
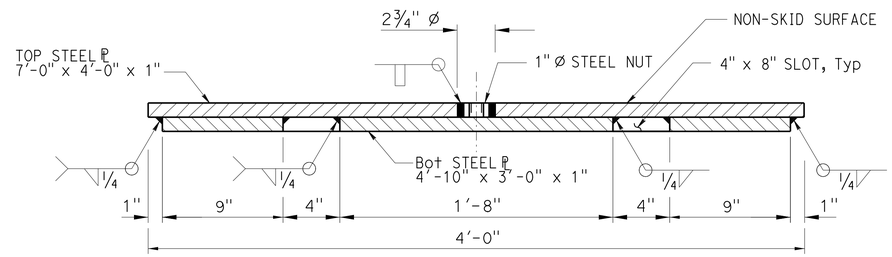


PLATE DETAIL B

¾" = 1'-0'
(PLAN VIEW)



SECTION A-A



SECTION B-B

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

	BY	CHECKED
DESIGN	E. NAHM	T. BRAKE
DETAILS	T. DANG	E. NAHM
QUANTITIES	E. NAHM	T. BRAKE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. 56-0690F
POST MILE R0.54

W60-S15 CONNECTOR OC
ROUTE 60,91,215 BRIDGES
TEMPORARY STEEL DECKING

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1
CONTRACT NO.: 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES	SHEET	OF
3-01-15	12	14

FILE => 08-1F6501_d-tempdecking.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	33	35

REGISTERED CIVIL ENGINEER — 09/25/15 DATE

12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/16 — 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.

USERNAME => s102458 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:45

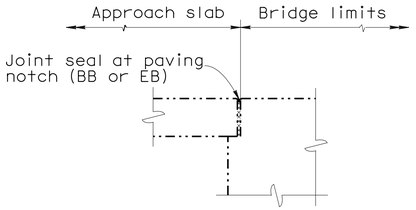
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	34	35

REGISTERED CIVIL ENGINEER — 09/25/15 DATE

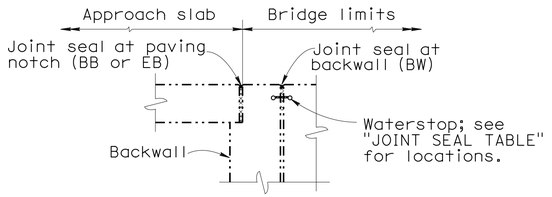
12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/16 — CIVIL — STATE OF CALIFORNIA

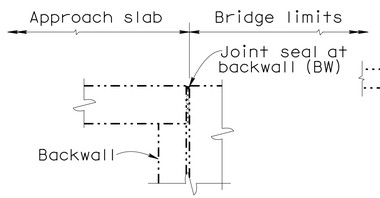
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.



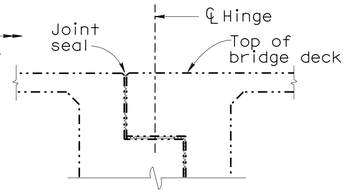
DIAPHRAGM ABUTMENT



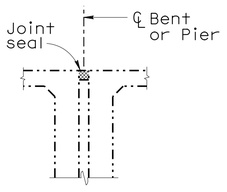
ABUTMENT WITH BACKWALL AND PAVING NOTCH



ABUTMENT WITH BACKWALL



HINGE



BENT OR PIER

JOINT SEAL LOCATION

NO SCALE

Abutment joint seal is not required with AC roadway pavement transverse contact joint.

JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (INCHES)	Approx LENGTH OF JOINT SEAL (LF)	EXISTING WATERSTOP	Approx DEPTH TO CLEAN Exp JOINT (INCHES)	LENGTH TO CLEAN Exp JOINT (LF)
W60-S15 CONNECTOR OC	56-0690F	ABUT 1	BW	4	35	NO	*4	*35
		HINGE 4	--	4	35	NO	*4	*35
		HINGE 7	--	4	35	NO	*4	*35
MISSION INN AVE UC	56-0315	ABUT 1	BW	1	155	YES	12	155
		ABUT 2	BW	1	155	YES	12	155
THIRD STREET UC	56-0316	ABUT 1	BW	1	187	YES	12	187
		ABUT 2	BW	1	187	YES	12	187
ROMOLAND FLOOD CONTROL CHANNEL	56-0770L	ABUT 1	PN	1	39	YES	12	39
		ABUT 5	PN	1	39	YES	12	39
ALESANDRO BLVD OC	56-0756	ABUT 1	PN	1½	117	YES	12	117
		ABUT 3	PN	1½	117	YES	12	117

PN = PAVING NOTCH
BW = BACKWALL
* = BELOW CLOSURE POUR OR BLOCKOUT LIMITS

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

NOTES:

The following notes apply to JOINT SEAL TYPE A:

Install Joint Seal (MR = ½") or Silicone Joint Seal 3" up into curb or barrier rail on the low side of the deck where deck joint aligns with curb or barrier rail joint.

For details not shown see, Standard Plan B6-21.

The following notes apply to JOINT SEAL TYPE B:

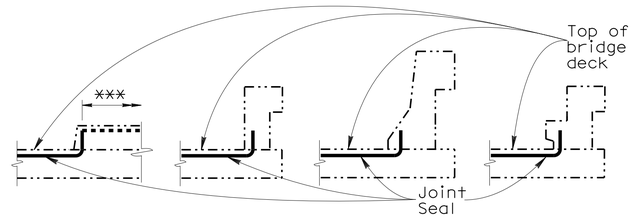
1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.

2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be recalculated by the Engineer.

3) W1 shall be the smaller of the values determined as follows:
   A) 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
   B) The width of the seal on the third successive test cycle of the pressure deflection test, when compressed to an average pressure of 3.0 PSI.

4) Bend Type B joint seal 6 inches up into curb or rail on the low side of the deck where deck joint matches curb or rail joint.

For details not shown see, Standard Plan B6-21.



BARRIER RAIL

JOINT SEAL AT LOW SIDE OF DECK

NO SCALE

Note: Details shown for illustration purposes only.

For use only where deck joint matches the sidewalk, curb or barrier rail joint.

*** Extension of joint seal will be determined by the Engineer if necessary.

DESIGN	BY E. NAHM	CHECKED T. BRAKE	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Various
DETAILS	BY T. DANG	CHECKED E. NAHM			POST MILE Varies
QUANTITIES	BY E. NAHM	CHECKED T. BRAKE			

ROUTE 60,91,215 BRIDGES
MISCELLANOUS DETAILS NO. 1

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 CONTRACT NO.: 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
3-01-15				13	14

FILE => 08-1F6501_e-miscdt101.dgn

USERNAME => s102458 DATE PLOTTED => 26-DEC-2015 TIME PLOTTED => 10:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	60,91,215	Var	35	35

09/25/15
REGISTERED CIVIL ENGINEER DATE

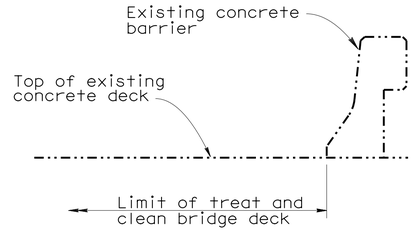
12-24-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
EDWARD J. NAHM
No. C66900
Exp. 09/30/16
CIVIL
STATE OF CALIFORNIA

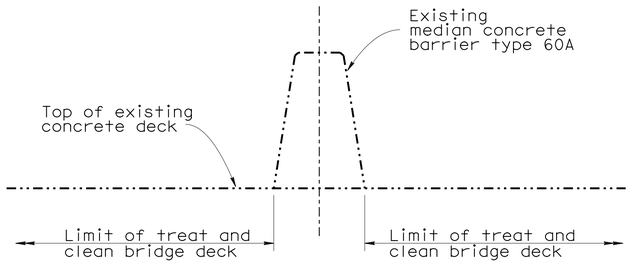
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

CONSTRUCTION NOTES:

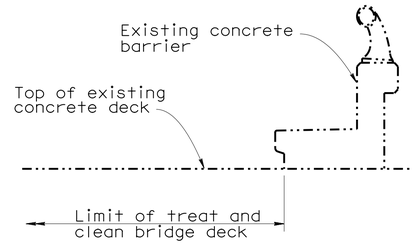
1. Existing reinforcement shall be protected in place during unsound concrete removal and patching operations.
2. It is responsibility of the Contractor to repair any reinforcement that is accidently cut by saw cutting operations.
3. When existing transverse reinforcement is exposed in the deck surface, saw cutting may be waived with the approval of the Engineer.
4. The saw cut depth shall not exceed ½ inch or the concrete cover over the top steel reinforcing bars, whichever is less.
5. Remove unsound Portland Cement concrete and unsound concrete patches to expose sound, hard concrete substrate. Replace original spall surface with rapid setting concrete patch.



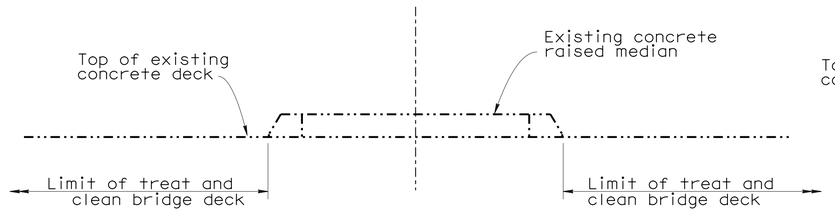
EOD BARRIER



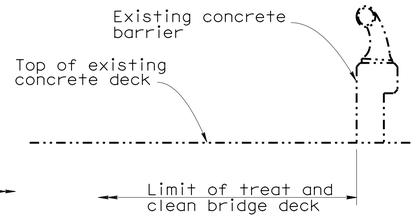
MEDIAN BARRIER



SIDEWALK BARRIER TYPE 2



RAISED MEDIAN



SIDEWALK BARRIER TYPE 1

TYPICAL LIMITS OF DECK WORK

NO SCALE

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

	BY	CHECKED
DESIGN	E. NAHM	T. BRAKE
DETAILS	T. DANG	E. NAHM
QUANTITIES	E. NAHM	T. BRAKE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 60,91,215 BRIDGES
MISCELLANEOUS DETAILS NO. 2

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0815000007-1 CONTRACT NO.: 08-1F6504

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
3-01-15				14	14

FILE => 08-1F6501_e-miscdt102.dgn

USERNAME => s102456 DATE PLOTTED => 28-DEC-2015 TIME PLOTTED => 10:45