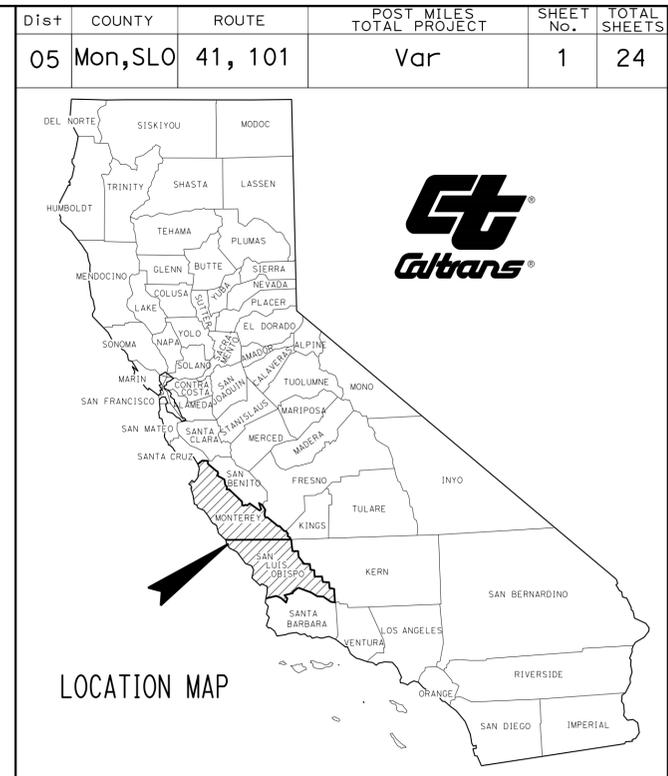
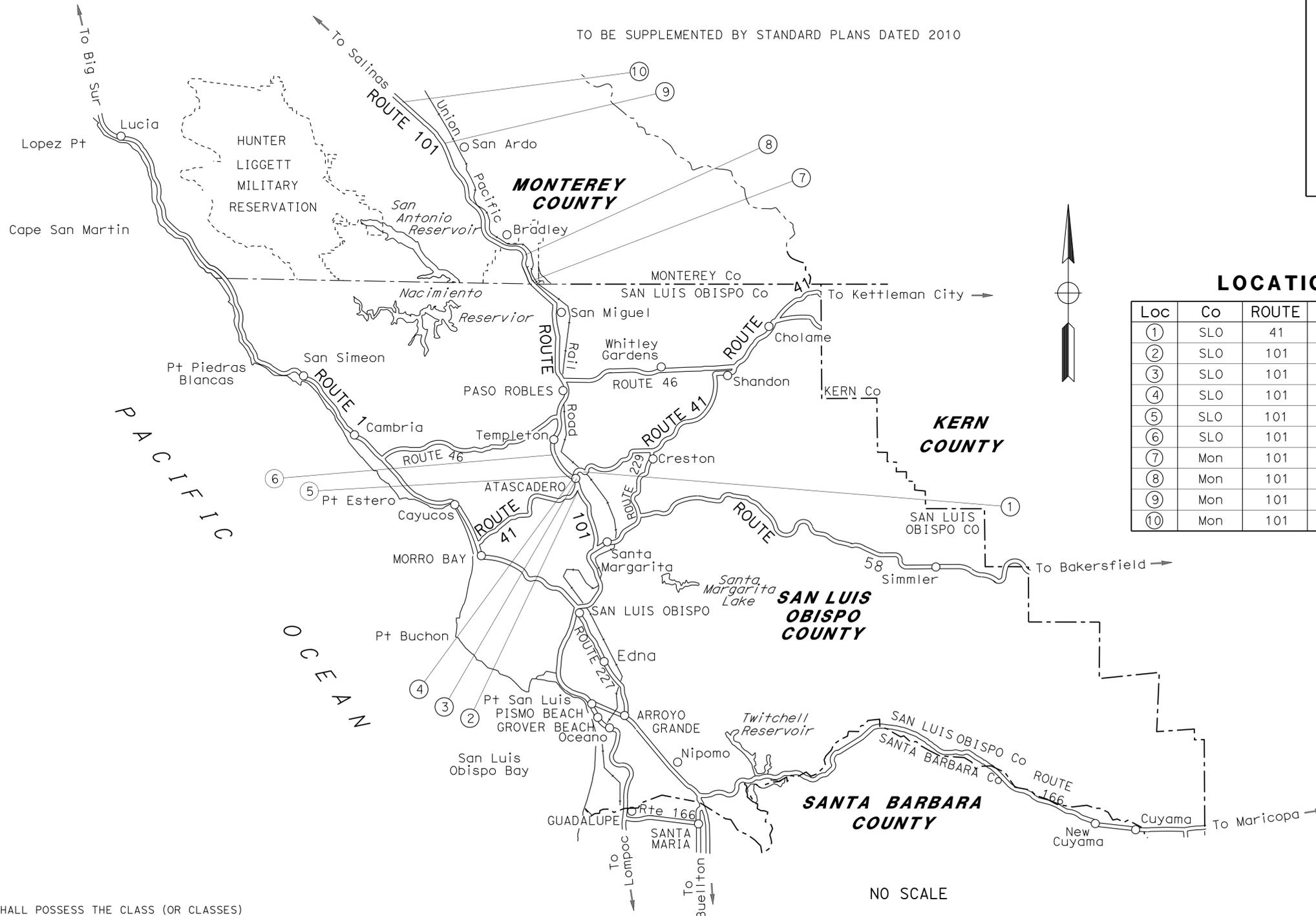


SHEET No.	INDEX OF PLANS DESCRIPTION
1	TITLE AND LOCATION MAP
2-3	CONSTRUCTION AREA SIGNS
4-5	PAVEMENT DELINEATION QUANTITIES
6-16	REVISED STANDARD PLANS
17-24	STRUCTURE PLANS

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

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PROJECT PLANS FOR CONSTRUCTION ON  
STATE HIGHWAY**  
**IN MONTEREY AND  
SAN LUIS OBISPO COUNTIES**  
**AT VARIOUS LOCATIONS**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



**LOCATIONS OF CONSTRUCTION**

Loc	Co	ROUTE	PM	BRIDGE NAME	BRIDGE No.
①	SLO	41	R16.29	STADIUM PARK DRIVE	49-0232
②	SLO	101	44.84	CURBARIL AVENUE OC	49-0161
③	SLO	101	45.56	ROUTE 101/41 SEPARATION	49-0247
④	SLO	101	45.72	ATASCADERO CREEK	49-0151L/R
⑤	SLO	101	45.96	TRAFFIC WAY UC	49-152R
⑥	SLO	101	49.64	PASO ROBLES CREEK	49-0002L
⑦	Mon	101	R0.84	CAMP ROBERTS OC	44-0137
⑧	Mon	101	R2.43	NACIMIENTO RIVER	44-0139R
⑨	Mon	101	R21.99	SAN ARDO UC	44-0193L
⑩	Mon	101	R30.80	SALINAS RIVER	44-0177L

PROJECT MANAGER  
KELLY J. McCLAIN

DESIGN MANAGER  
KELLY J. McCLAIN

PROJECT ENGINEER DATE 12-15-15  
 REGISTERED CIVIL ENGINEER  
**December 21, 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.	<b>05-1G3204</b>
PROJECT ID	<b>0514000141</b>

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

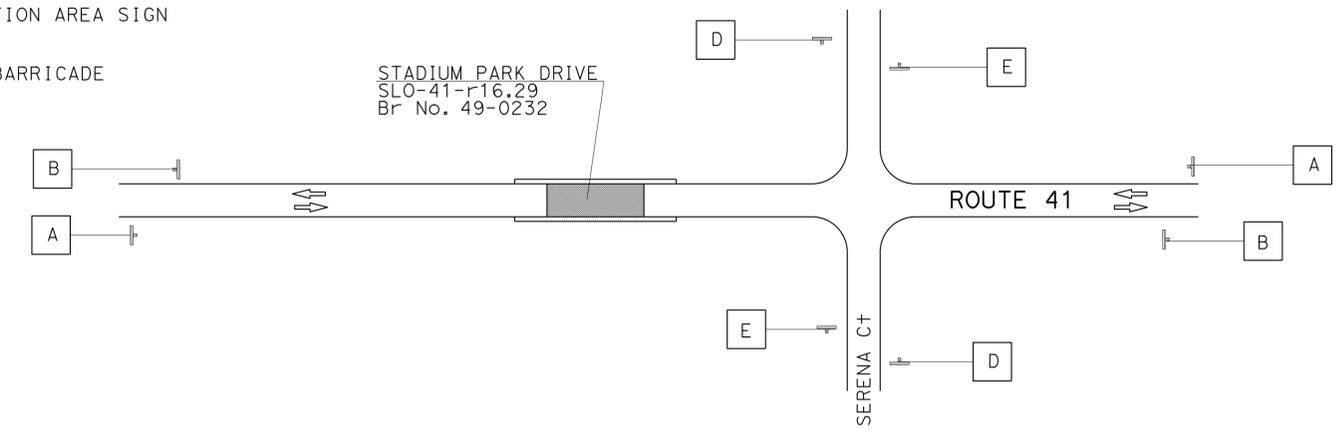
DATE PLOTTED => 04-JAN-2016 TIME PLOTTED => 15:23

**NOTES:**

- EXACT LOCATION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
- SIGN **C** TO BE USED WHEN EXISTING STRUCTURE HAS SIDEWALKS. CLOSE ONLY WHEN WORK IS WITHIN 6' OF SIDEWALK.

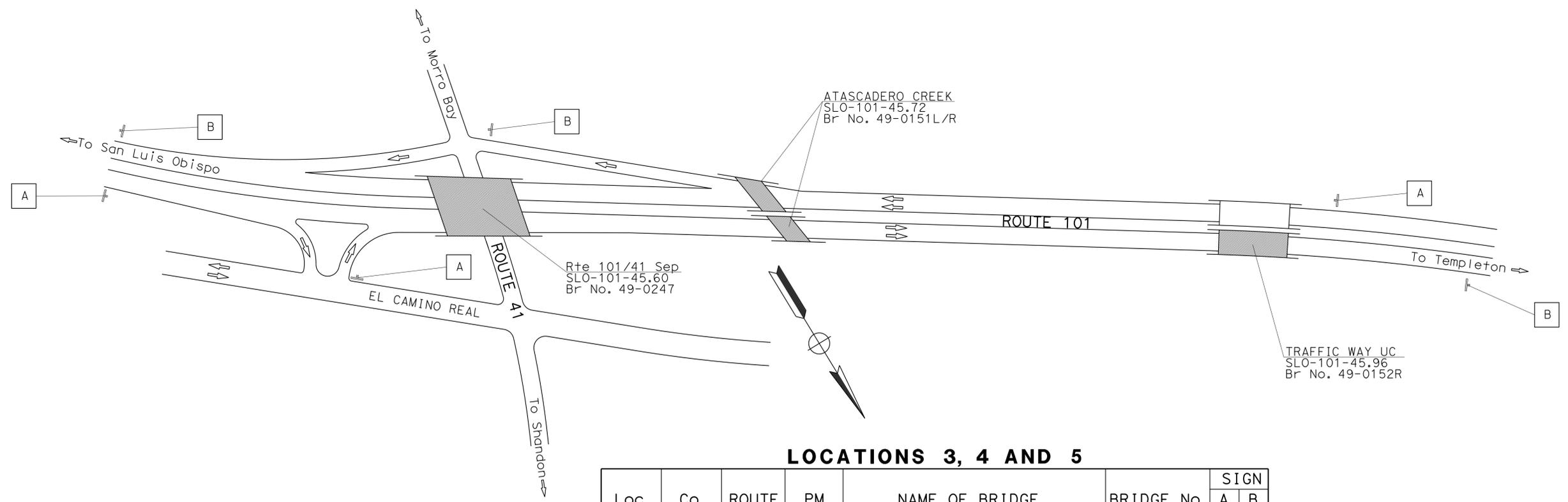
**LEGEND:**

- CONSTRUCTION AREA SIGN
- TYPE II BARRICADE



**LOCATION 1**

Loc	Co	ROUTE	PM	NAME OF BRIDGE	BRIDGE No.	SIGN			
						A	B	D	E
1	SLO	41	R16.29	STADIUM PARK DRIVE	49-0232	2	2	2	2
SUBTOTAL						2	2	2	2



**LOCATIONS 3, 4 AND 5**

Loc	Co	ROUTE	PM	NAME OF BRIDGE	BRIDGE No.	SIGN	
						A	B
3	SLO	101	45.56	Rte 101/41 Sep	49-0247	2	1
4	SLO	101	45.72	ATASCADERO CREEK	49-0151L/R	1	1
5	SLO	101	45.96	TRAFFIC WAY UC	49-0152R		1
SUBTOTAL						3	3

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

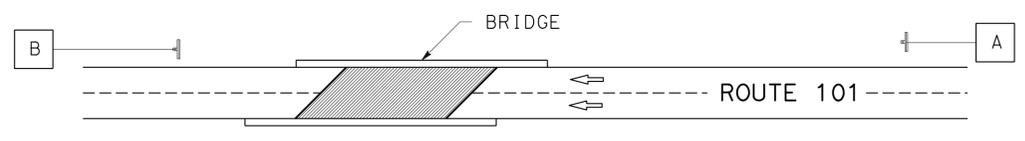
**CONSTRUCTION AREA SIGNS**  
NO SCALE  
**CS-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE DESIGN  
 FUNCTIONAL SUPERVISOR: KELLY J. McCLAIN  
 REVISIONS: KELLY L. MCKINLEY, KELLY J. McCLAIN  
 CALCULATED/DESIGNED BY: [Blank]  
 CHECKED BY: [Blank]

### CONSTRUCTION AREA SIGNS (SUMMARY)

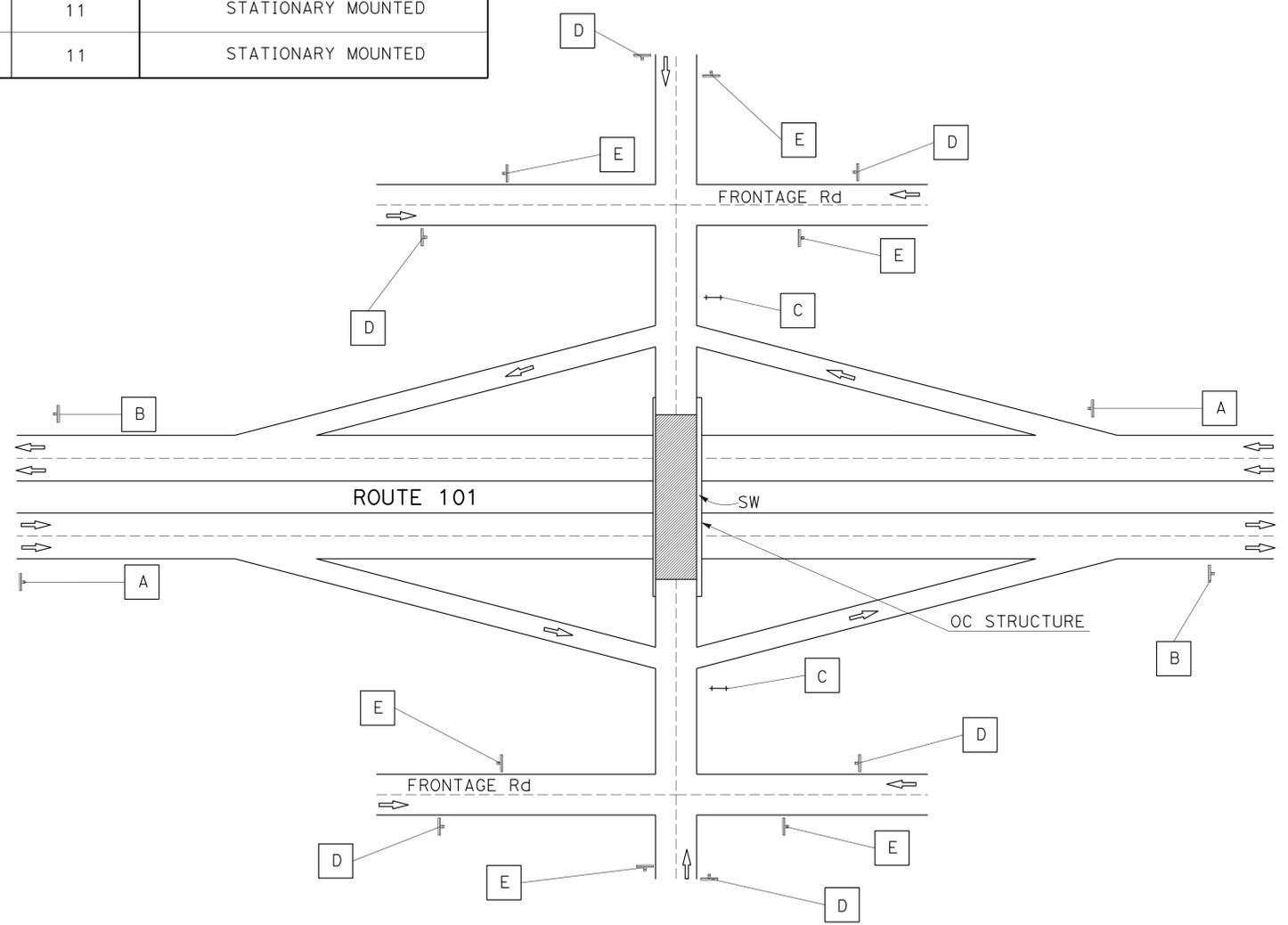
SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS	REMARKS
	FEDERAL	CALIFORNIA					
A	W20-1		48" x 48"	ROAD WORK AHEAD	1 - 4" x 6"	17	STATIONARY MOUNTED
B	G20-2		48" x 24"	END ROAD WORK	1 - 4" x 6"	13	STATIONARY MOUNTED
C	SPECIAL		24" x 24"	SIDEWALK CLOSED PEDESTRIAN PROHIBITED		2	BARRICADE MOUNTED
D	W20-1		30" x 30"	ROAD WORK AHEAD	1 - 4" x 4"	11	STATIONARY MOUNTED
E	G20-2		36" x 18"	END ROAD WORK	1 - 4" x 4"	11	STATIONARY MOUNTED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE DESIGN  
 FUNCTIONAL SUPERVISOR: KELLY J. McCLAIN  
 CALCULATED/DESIGNED BY: KELLY J. McCLAIN  
 CHECKED BY: KELLY J. McCLAIN  
 REVISIONS: X  
 REVISOR: KELLY L. MCKINLEY  
 DATE: 12-21-15



#### LOCATION 6, 8 9 AND 10

Loc	Co	ROUTE	PM	BRIDGE NAME	BRIDGE No.	SIGN	
						A	B
6	SLO	101	49.64	PASO ROBLES CREEK	49-0002L	2	1
8	Mon	101	R2.43	NACIMIENTO RIVER	44-0139R	2	1
9	Mon	101	R21.99	SAN ARDO UC	44-0193L	2	1
10	Mon	101	R30.80	SALINAS RIVER	44-0177L	2	1
SUBTOTAL						8	4



#### LOCATION 2 AND 7

Loc	Co	ROUTE	PM	BRIDGE NAME	BRIDGE No.	SIGN					REMARKS
						A	B	C	D	E	
2	SLO	101	44.84	CURBARIL Ave OC	49-0161	2	2	2	7	7	FRONTAGE Rd: COROMAR Ave, EL CAMINO, REAL AND SAN LUIS Ave ADDITIONAL "D" & "E" SIGNS REQUIRED AT SAN LUIS Ave
7	Mon	101	R0.84	CAMP ROBERTS OC	44-0137	2	2		2	2	NO FRONTAGE Rd SIGNAGE
SUBTOTAL						4	4	2	9	9	

## CONSTRUCTION AREA SIGNS

NO SCALE **CS-2**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

LAST REVISION: DATE PLOTTED => 29-DEC-2015    TIME PLOTTED => 14:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SLO	41,101	Var	4	24

*K.L. McKinley* 12-15-15  
 REGISTERED CIVIL ENGINEER DATE  
 12-21-15  
 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.

**NOTE:**

NO REMOVE PAVEMENT DELINEATION WORK LOCATIONS 2, 8, 9.

**REMOVE PAVEMENT DELINEATION**

Loc	Co	ROUTE	PM	BRIDGE NAME	BRIDGE No.	DETAIL No.	REMOVE THERMOPLASTIC TRAFFIC STRIPE		REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE PAVEMENT MARKER	REMOVE THERMOPLASTIC PAVEMENT MARKING	DESCRIPTION/COMMENTS
							WHITE SOLID	WHITE BROKEN	YELLOW SOLID			
							LF	LF	LF			
1	SLO	41	R16.29	STADIUM PARK DRIVE	49-0232	27B	604					
						22		906	26		INCLUDES 302LF BLACK STRIPE	
3	SLO	101	45.56	ROUTE 101/41 SEPARATION	49-0247	27B	413					
						25		330	7			
						38	166		3			
						11		124				
						13			52			
4	SLO	101	45.72	ATASCADERO CREEK	49-0151R	9		24		3		
						27B	42					
						25		42	1			
						37B		18	4			
4	SLO	101	45.72	ATASCADERO CREEK	49-0151L	11		11				
						13			4			
						27B	42					
						25		42	1			
5	SLO	101	45.96	TRAFFIC WAY UC	49-0152R	36		168		4		
						11		11				
						13			4			
						25		132	4			
6	SLO	101	49.64	PASO ROBLES CREEK	49-0002L	27B	132					
						13			14			
						11		33				
7	Mon	101	R0.84	CAMP ROBERTS OC	44-0137	25		172		8		
						27B	172					
						13			38			
10	Mon	101	R30.80	SALINAS RIVER	44-0177L	11		43				
						21			588			
						NO				28		
						RIGHT TURN				52		
SUBTOTAL						25			1,432	30		
						11		358				
						13			149			
						27B	2,864					
TOTAL							4,435	790	3,644	352	128	
							5,225		3,644	352	128	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE DESIGN  
 FUNCTIONAL SUPERVISOR: KELLY J. McCLAIN  
 CALCULATED/DESIGNED BY: KELLY L. MCKINLEY  
 CHECKED BY: KELLY J. McCLAIN  
 REVISED BY: \_\_\_\_\_  
 DATE REVISED: \_\_\_\_\_

**PAVEMENT DELINEATION QUANTITIES PDQ-1**

LAST REVISION: DATE PLOTTED => 29-DEC-2015  
 12-15-15 TIME PLOTTED => 14:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SLO	41, 101	Var	5	24

*Kelly McKinley* 12-15-15  
 REGISTERED CIVIL ENGINEER DATE

12-21-15  
 PLANS APPROVAL DATE

K.L. McKinley  
 No. 49413  
 Exp. 9-30-16  
 CIVIL

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

**NOTE:**  
NO PAVEMENT DELINEATION WORK LOCATIONS 2, 8, 9.

**PAVEMENT DELINEATION**

Loc	Co	ROUTE	PM	BRIDGE NAME	BRIDGE No.	DETAIL No.	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)		4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)		4" THERMOPLASTIC TRAFFIC STRIPE		8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)		8" THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (RETROREFLECTIVE)			PAVEMENT MARKER (NON-REFLECTIVE)	THERMOPLASTIC PAVEMENT MARKING	
							WHITE BROKEN	WHITE BROKEN	WHITE SOLID	YELLOW SOLID	WHITE BROKEN	WHITE SOLID	TYPE D	TYPE G	TYPE H	TYPE A						
							LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	SQFT					
1	SLO	41	R16.29	STADIUM PARK DRIVE	49-0232	27B 22				604							28					
3	SLO	101	45.56	ROUTE 101/41 SEPARATION	49-0247	27B 25 38 11 13 9				413								4	8			
										495								11		41		
																		3				
4	SLO	101	45.72	ATASCADERO CREEK	49-0151R	27B 25 37B 11 13				42										2		
										42											4	
4	SLO	101	45.72	ATASCADERO CREEK	49-0151L	27B 25 36 11 13				42										2		
																					4	
5	SLO	101	45.96	TRAFFIC WAY UC	49-0152R	25 27B 13 11						132	132							4		
										132										4		
6	SLO	101	49.64	PASO ROBLES CREEK	49-0002L	25 27B 13 11						172	172							2		
												172								5		
7	Mon	101	R0.84	CAMP ROBERTS OC	44-0137	21 NO RIGHT TURN						392									5	
10	Mon	101	R30.80	SALINAS RIVER	44-0177L	25 11 13 27B						1,432	1,432							31		
												1,432								31		
SUBTOTAL								82	2,315	2,837	3,146	42	165	28	70	52						
TOTAL								82	2,315		5,983	42	165	28	70	52					193	128

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE DESIGN  
 FUNCTIONAL SUPERVISOR  
 KELLY J. McCLAIN  
 CALCULATED/DESIGNED BY  
 KELLY L. MCKINLEY  
 CHECKED BY  
 KELLY J. McCLAIN  
 REVISED BY  
 DATE REVISED

**PAVEMENT DELINEATION QUANTITIES PDQ-2**

LAST REVISION DATE PLOTTED => 29-DEC-2015 14:17  
 12-15-15 TIME PLOTTED => 14:17

	<b>M</b>	
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	
MtI	MATERIAL	
MVP	MAINTENANCE VEHICLE PULLOUT	
	<b>N</b>	
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	
	<b>O</b>	
Obir	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	
	<b>P</b>	
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 MtI	PERMEABLE MATERIAL	

	<b>P continued</b>	
PG	PROFILE GRADE	
PI	POINT OF INTERSECTION	
PJP	PARTIAL JOINT PENETRATION	
Pkwy	PARKWAY	
PL, 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	
	<b>Q</b>	
Qty	QUANTITY	
	<b>R</b>	
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	

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

	<b>T continued</b>	
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL	
Typ	TYPICAL	
	<b>U</b>	
UC	UNDERCROSSING	
UD	UNDERDRAIN	
UG	UNDERGROUND	
UON	UNLESS OTHERWISE NOTED	
UP	UNDERPASS	
	<b>V</b>	
V	VALVE, DESIGN SPEED	
Var	VARIABLE, VARIES	
VC	VERTICAL CURVE	
VCP	VITRIFIED CLAY PIPE	
Vert	VERTICAL	
Via	VIADUCT	
Vol	VOLUME	
	<b>W</b>	
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	
WWL	WINGWALL LAYOUT LINE	
	<b>X</b>	
X Sec	CROSS SECTION	
Xing	CROSSING	
	<b>Y</b>	
Yr	YEAR	
Yrs	YEARS	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	6	24

*Grace M. Tsushima*  
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.

TO ACCOMPANY PLANS DATED 12-21-15

**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 <sup>3</sup> , 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

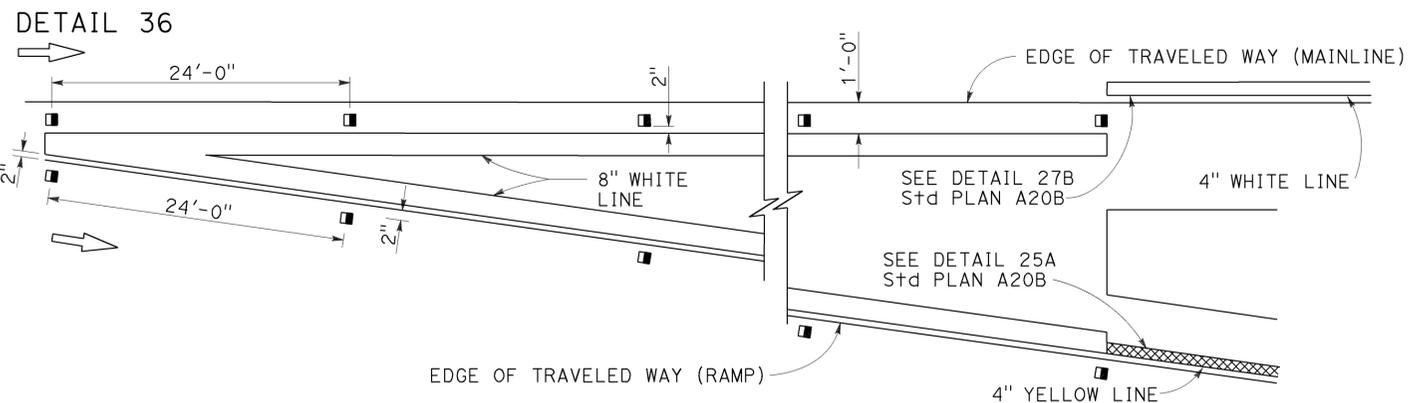
**ABBREVIATIONS  
(SHEET 2 OF 2)**

NO SCALE

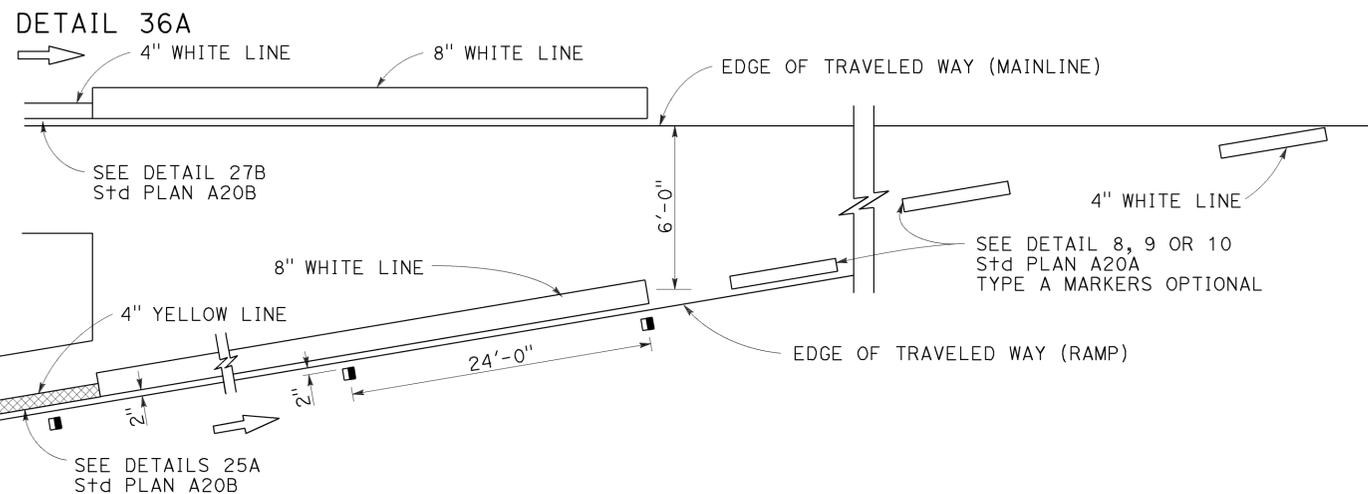
RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B  
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP A10B

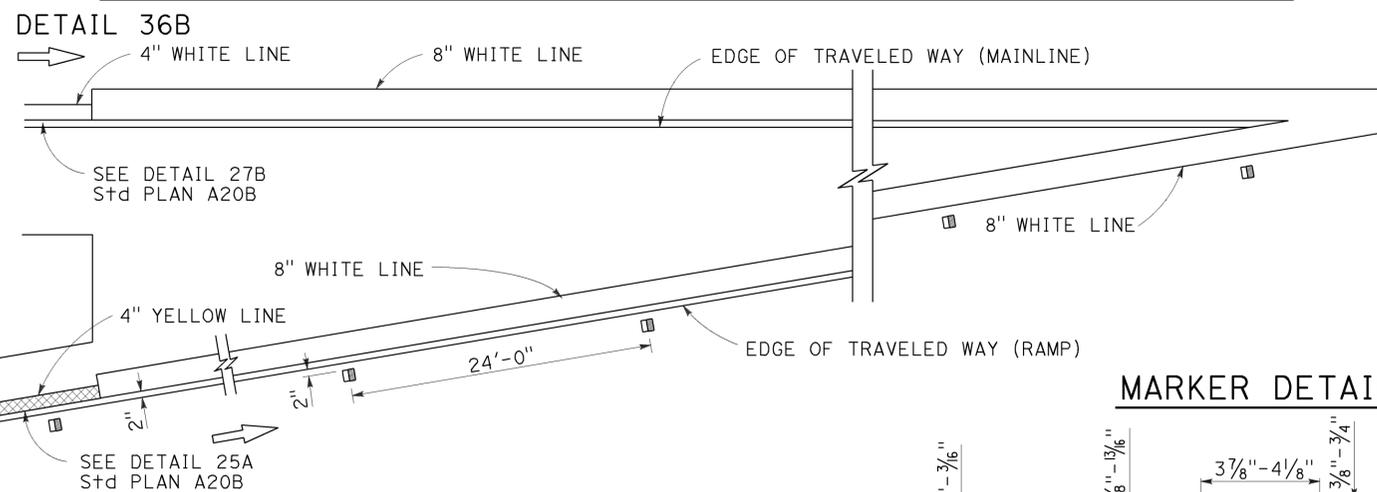
### EXIT RAMP NEUTRAL AREA (GORE) TREATMENT



### ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT



### ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT

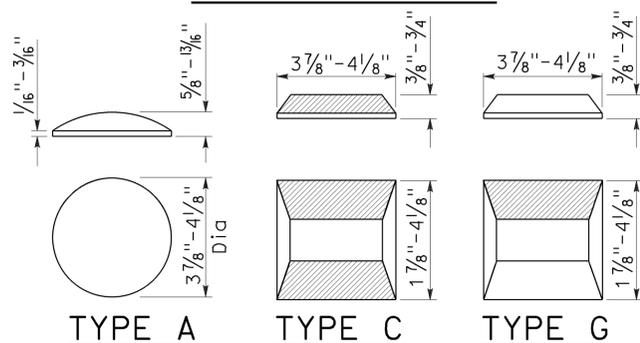


### MARKER DETAILS

#### LEGEND:

#### MARKERS

- TYPE A WHITE NON-REFLECTIVE
- ◻ TYPE C RED-CLEAR RETROREFLECTIVE
- TYPE G ONE-WAY CLEAR RETROREFLECTIVE



RETROREFLECTIVE FACE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	7	24

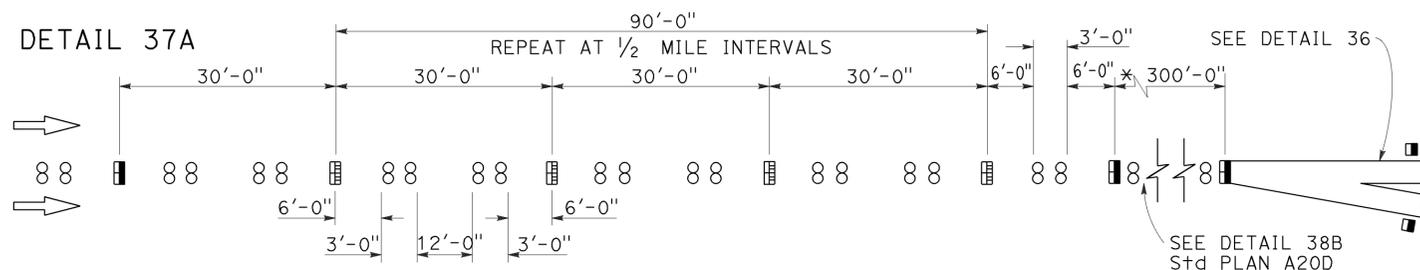
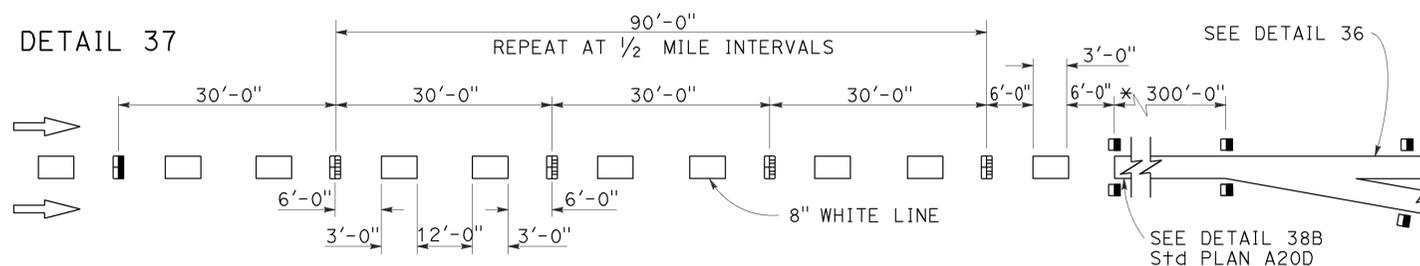
*Roberta L. McLaughlin*  
 REGISTERED CIVIL ENGINEER  
 No. C40375  
 Exp. 3-31-15  
 CIVIL  
 STATE OF CALIFORNIA

July 19, 2013  
 PLANS APPROVAL DATE

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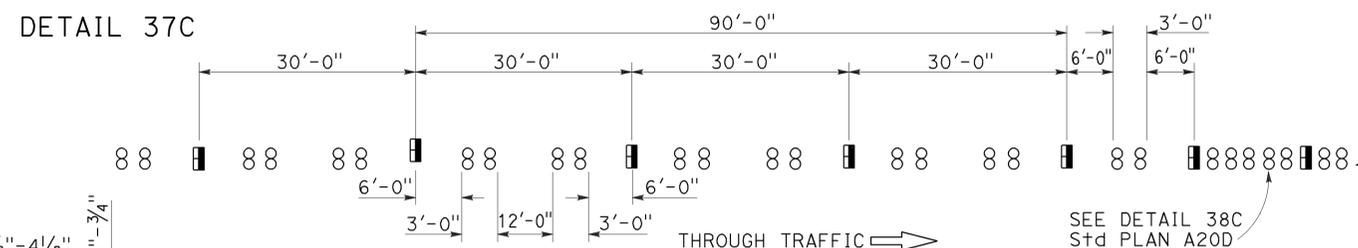
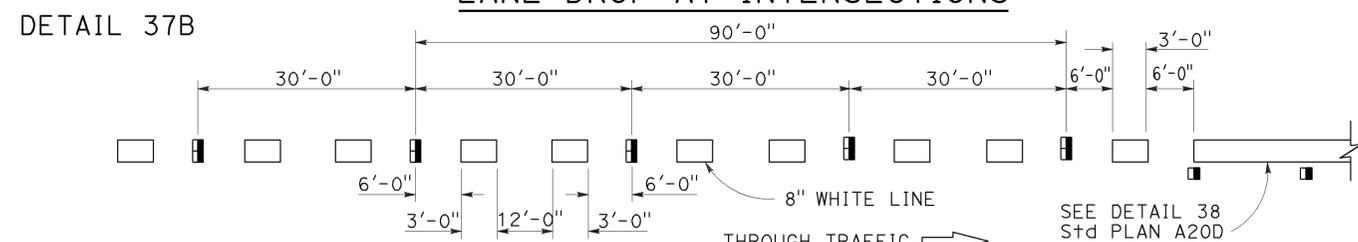
TO ACCOMPANY PLANS DATED 12-21-15

### LANE DROP AT EXIT RAMP



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

### LANE DROP AT INTERSECTIONS



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

### PAVEMENT MARKERS AND TRAFFIC LINE TYPICAL DETAILS

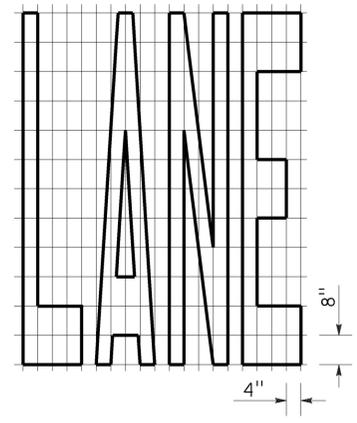
NO SCALE

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

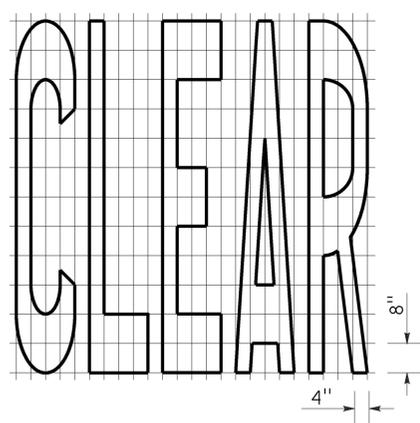
### REVISED STANDARD PLAN RSP A20C

2010 REVISED STANDARD PLAN RSP A20C

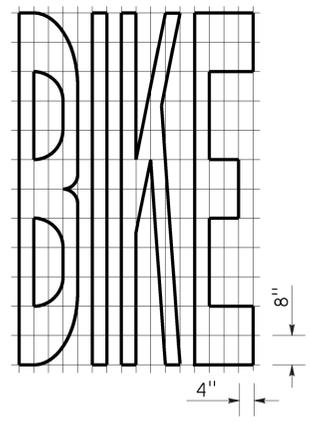
TO ACCOMPANY PLANS DATED 12-21-15



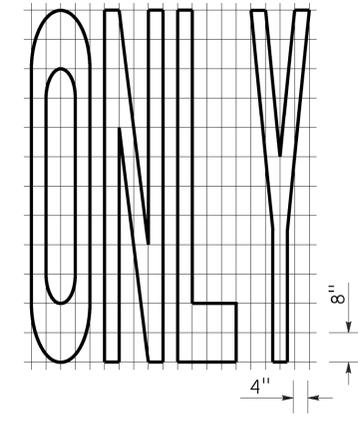
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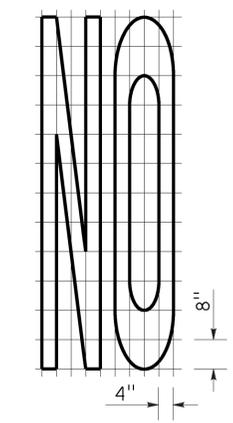
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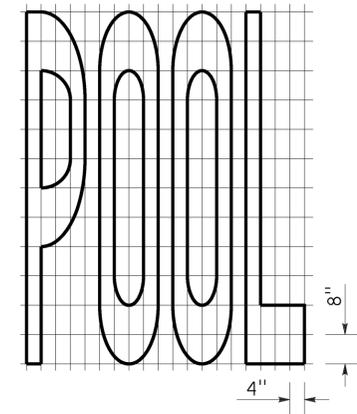
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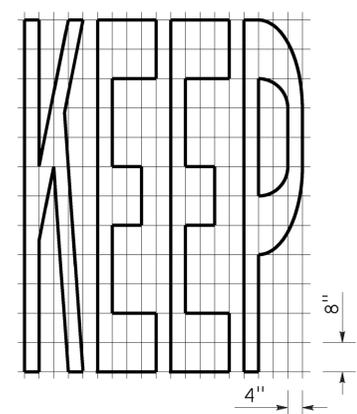
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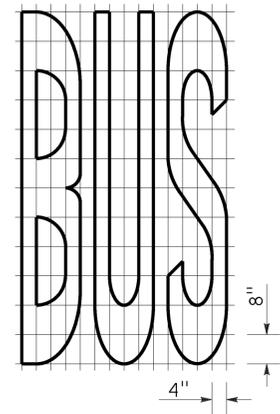
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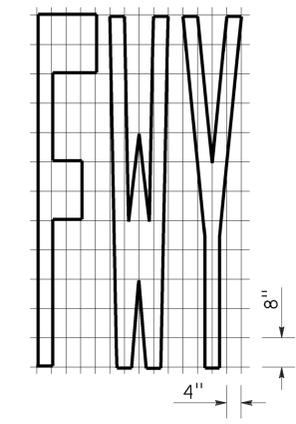
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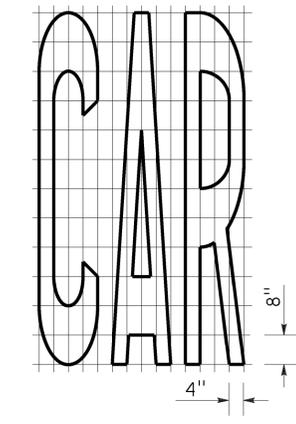
A=24 ft<sup>2</sup>



A=20 ft<sup>2</sup>

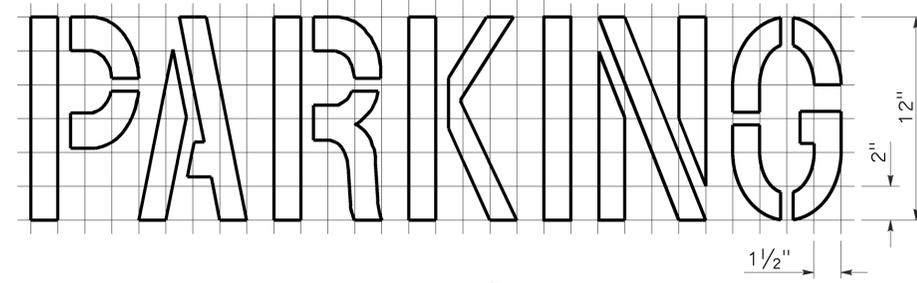
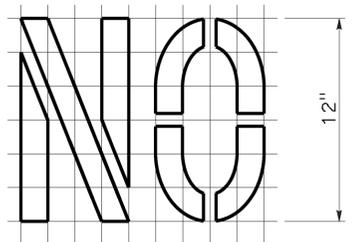


A=16 ft<sup>2</sup>

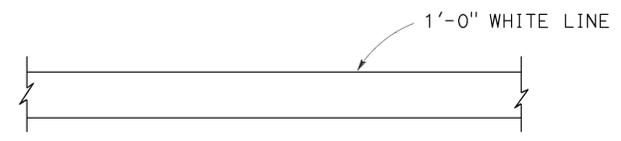


A=17 ft<sup>2</sup>

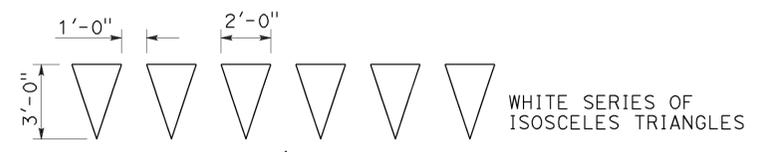
WORD MARKINGS			
ITEM	ft <sup>2</sup>	ITEM	ft <sup>2</sup>
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



A=2 ft<sup>2</sup>  
See Notes 6 and 7



LIMIT LINE (STOP LINE)



YIELD LINE

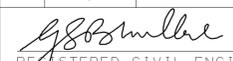
NOTES:

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.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	9	24

  
 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.

TO ACCOMPANY PLANS DATED 12-21-15

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		
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	X	Y	Z **
					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%
		ft	ft	ft
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 recommended distances.

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**

2010 REVISED STANDARD PLAN RSP T9

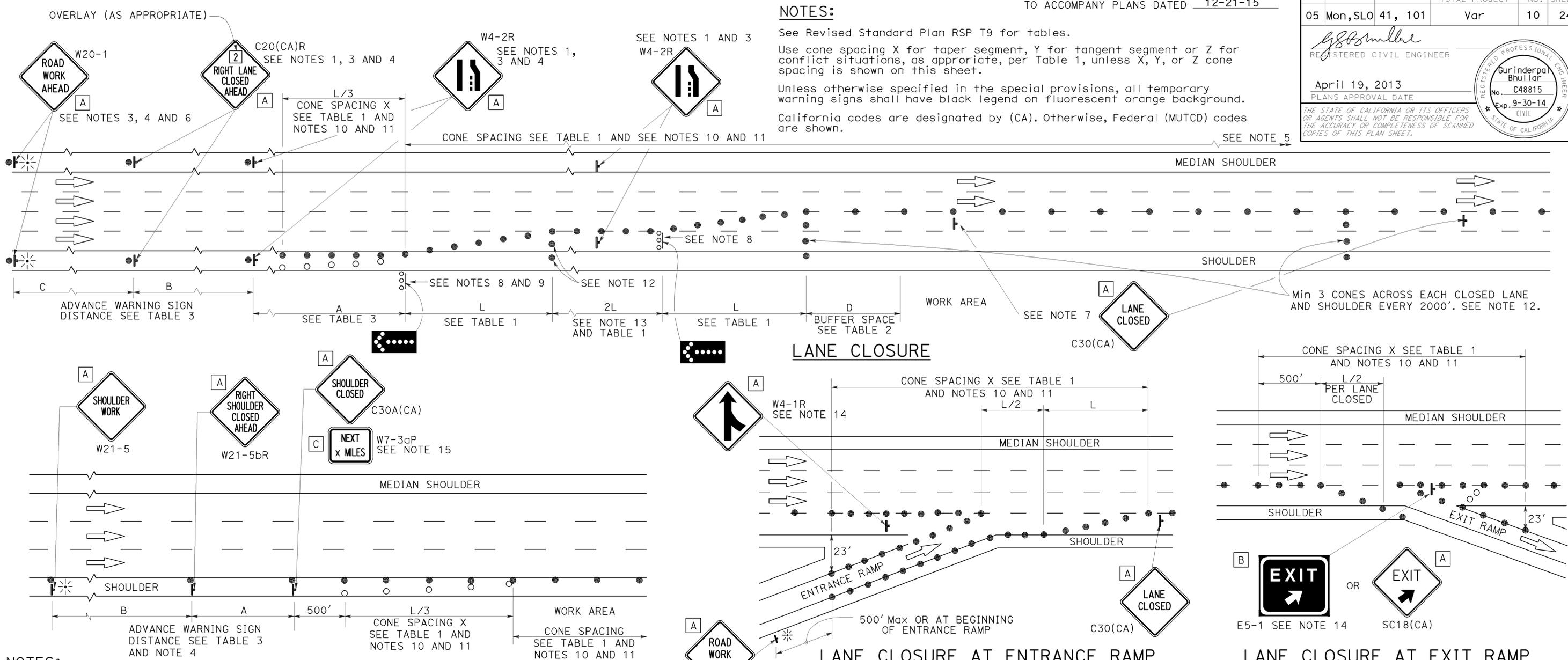
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	10	24

REGISTERED CIVIL ENGINEER  
 April 19, 2013  
 PLANS APPROVAL DATE  
 Gurinderpal Bhullar  
 No. C48815  
 Exp. 9-30-14  
 CIVIL  
 STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 12-21-15

**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 appropriate, 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.



**NOTES:**

- Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
- Duplicate sign installations are not required:
  - On opposite shoulder if at least one-half of the available lanes remain open to traffic.
  - In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
- 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.
- 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.

**SHOULDER CLOSURE**

- 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)L and W4-2L signs shall be used.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
- 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.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.

**LANE CLOSURE AT ENTRANCE RAMP**

- 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.
- 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.
- Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
- A W7-3aP "NEXT \_\_\_\_\_ MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.

**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"

**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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	11	24

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

April 19, 2013  
 PLANS APPROVAL DATE

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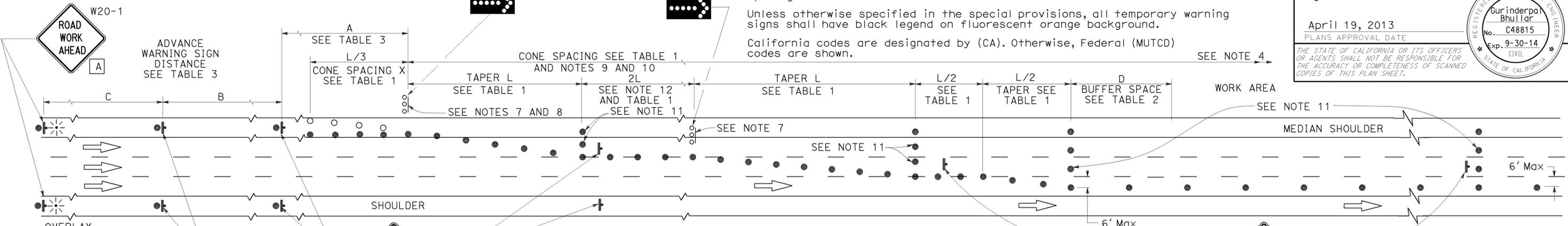
**NOTES:** See Revised Standard Plan RSP T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, 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.

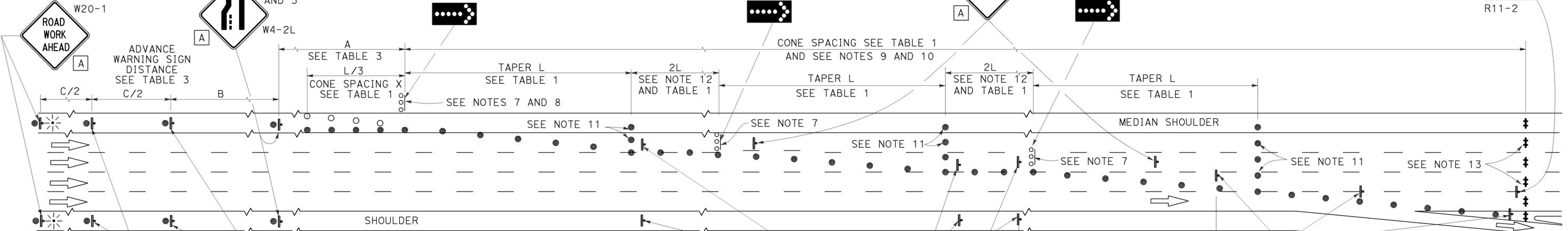
California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

SEE NOTES 3 AND 5



**LANE CLOSURE WITH PARTIAL SHOULDER USE**

SEE NOTES 3 AND 5



**COMPLETE CLOSURE**

**NOTES:**

- Lane closures on the right side using partial median shoulder as a traffic lane shall conform to the details as shown except that C20(CA)R and W4-2R signs shall be used.
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
- 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.
- 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.
- 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.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
- 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 the top of crest vertical curve or on a horizontal curve.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- 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 With Partial Shoulder Use" 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.
- 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.
- A minimum of Two Type II or III barricades shall be placed across each closed lane and shoulder at the location shown and every 2000' within the complete closure area. Within the complete closure area, the transverse alignment of the barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
- When specified in the special provisions, a W20-2 "DETOUR AHEAD" sign is to be used in place of the W20-3 "FREEWAY CLOSED AHEAD" sign.

**SIGN PANEL SIZE (Min)**

- A 48" x 48"
- B 48" x 18"
- C 48" x 30"

**LEGEND**

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

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM  
 FOR LANE CLOSURES ON  
 FREEWAYS AND EXPRESSWAYS**

NO SCALE

RSP T10A DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10A DATED MAY 20, 2011 - PAGE 238 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP T10A**

2010 REVISED STANDARD PLAN RSP T10A

**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 appropriate, 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.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	12	24

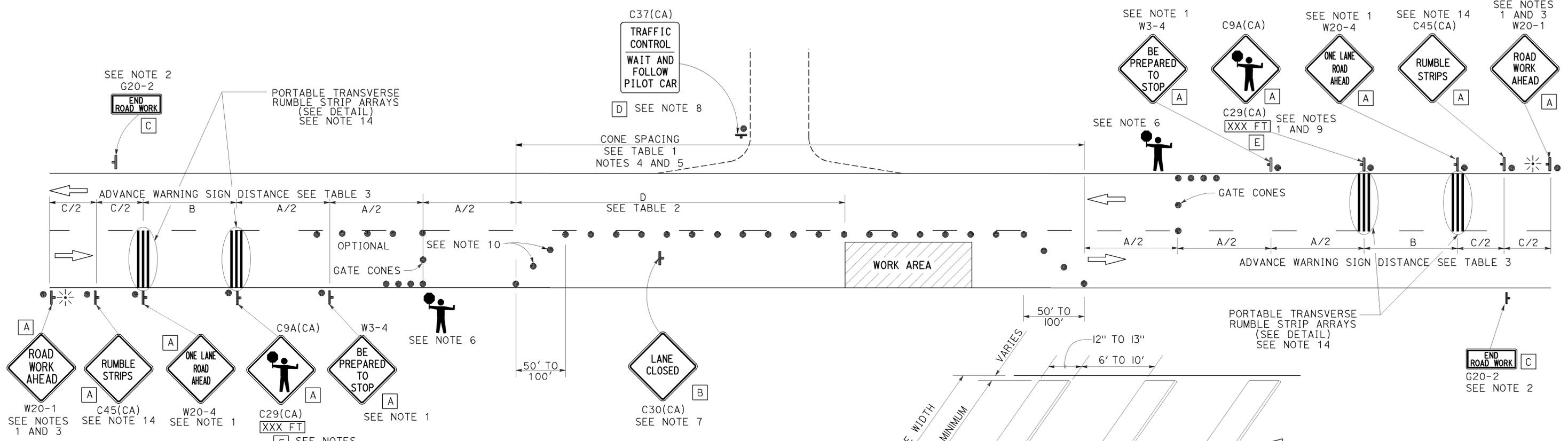
*Devinder Singh*  
 REGISTERED CIVIL ENGINEER  
 No. C50470  
 Exp. 6-30-17  
 CIVIL  
 STATE OF CALIFORNIA

October 30, 2015  
 PLANS APPROVAL DATE

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**TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL**

TO ACCOMPANY PLANS DATED 12-21-15



**NOTES:**

- Each advance warning sign in each direction of travel 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.
- A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT \_\_\_\_\_ MILES", use a W20-4 sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
- Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
- When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within traffic control area. Signs shall be clean and visible at all times. Where traffic can not be effectively self-regulated, at least one flagger shall be used at each intersection within traffic control area.
- An optional C29(CA) sign may be placed below the C9A(CA) sign.
- Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.
- The color of the portable transverse rumble strips shall be black or orange. Use 2 arrays, each array shall consist of 3 rumble strips.
- Portable transverse rumble strips shall not be placed on sharp horizontal or vertical curves nor shall they be placed through pedestrian crossings.
- If the portable transverse rumble strips become out of alignment (skewed) by more than 6 inches, measured from one end to the other, they shall be readjusted to bring the placement back to the original location.
- Portable transverse rumble strips are not required if any one of the following conditions is satisfied:
  - Work duration occupies a location for four hours or less
  - Posted speed limit is below 45 MPH
  - Work is of emergency nature
  - Work zone is in snow or icy weather conditions

**LEGEND**

- TRAFFIC CONE
- ⊥ TEMPORARY TRAFFIC CONTROL SIGN
- ⚡ PORTABLE FLASHING BEACON
- 🚧 FLAGGER

**PORTABLE TRANSVERSE RUMBLE STRIP ARRAY DETAIL**

LANE WIDTH  
10' MINIMUM  
VARIES  
12" TO 13"  
6' TO 10'  
5/8" TO 3/4"

**SIGN PANEL SIZE (Min)**

- A 48" x 48"
- B 30" x 30"
- C 36" x 18"
- D 36" x 42"
- E 20" x 7"

**TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS**

NO SCALE

RSP T13 DATED OCTOBER 30, 2015 SUPERSEDES RSP T13 DATED OCTOBER 17, 2014, RSP T13 DATED JULY 18, 2014 AND RSP T13 DATED APRIL 19, 2013 AND STANDARD PLAN T13 DATED MAY 20, 2011 - PAGE 241 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP T13**

2010 REVISED STANDARD PLAN RSP T13

# TYPICAL RAMP CLOSURES

## SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 30"
- C 36" x 36"
- D 48" x 36"

## LEGEND

- TRAFFIC CONE
- † TEMPORARY TRAFFIC CONTROL SIGN
- ‡ BARRICADES
- ⚡ PORTABLE FLASHING BEACON

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	13	24

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

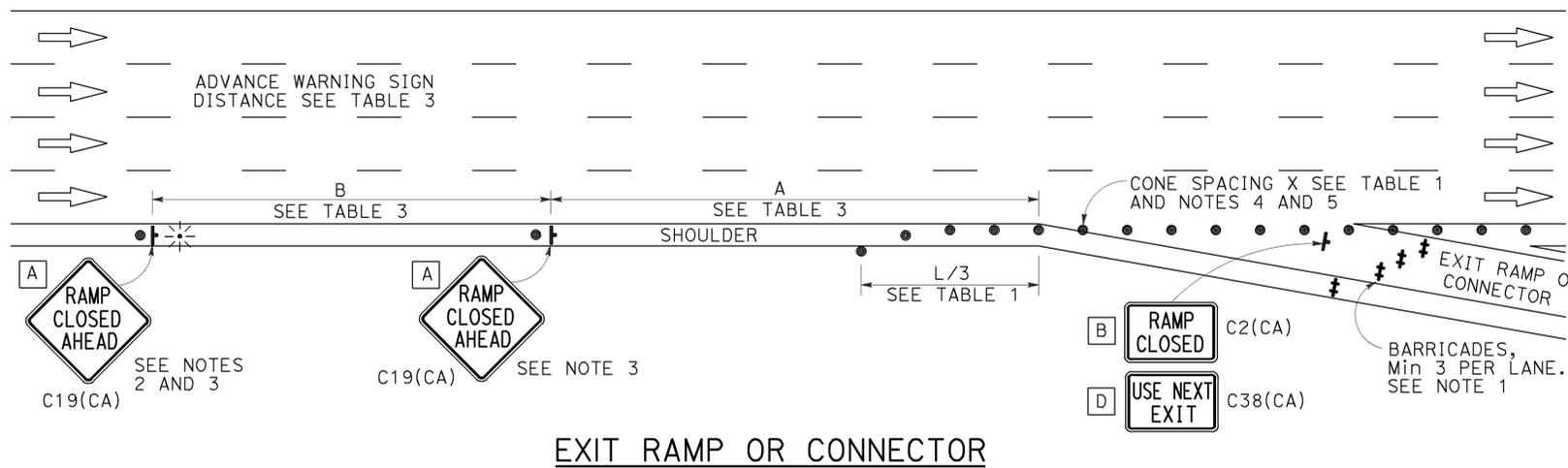
April 19, 2013  
 PLANS APPROVAL DATE

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.

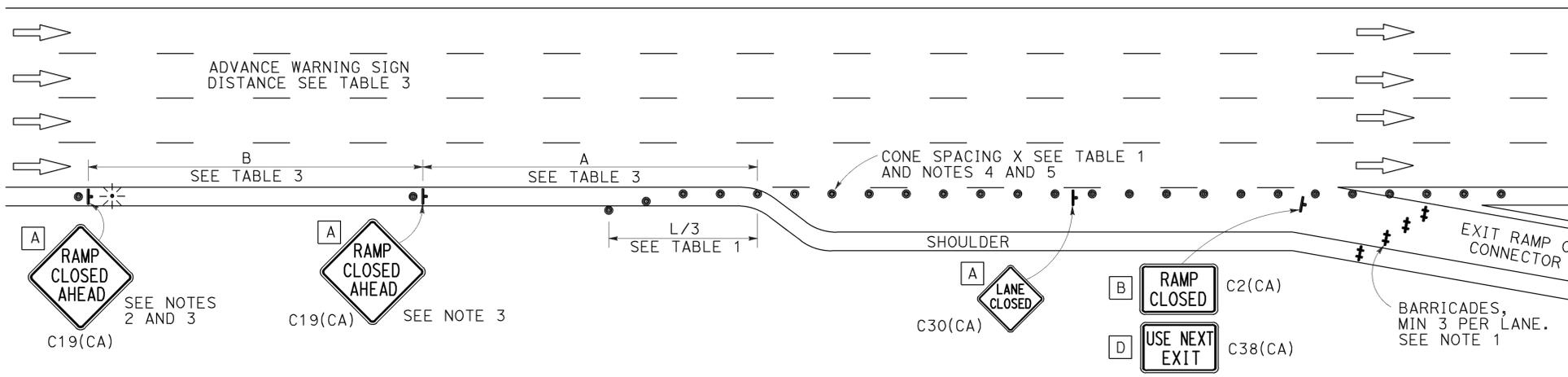
TO ACCOMPANY PLANS DATED 12-21-15

## NOTES:

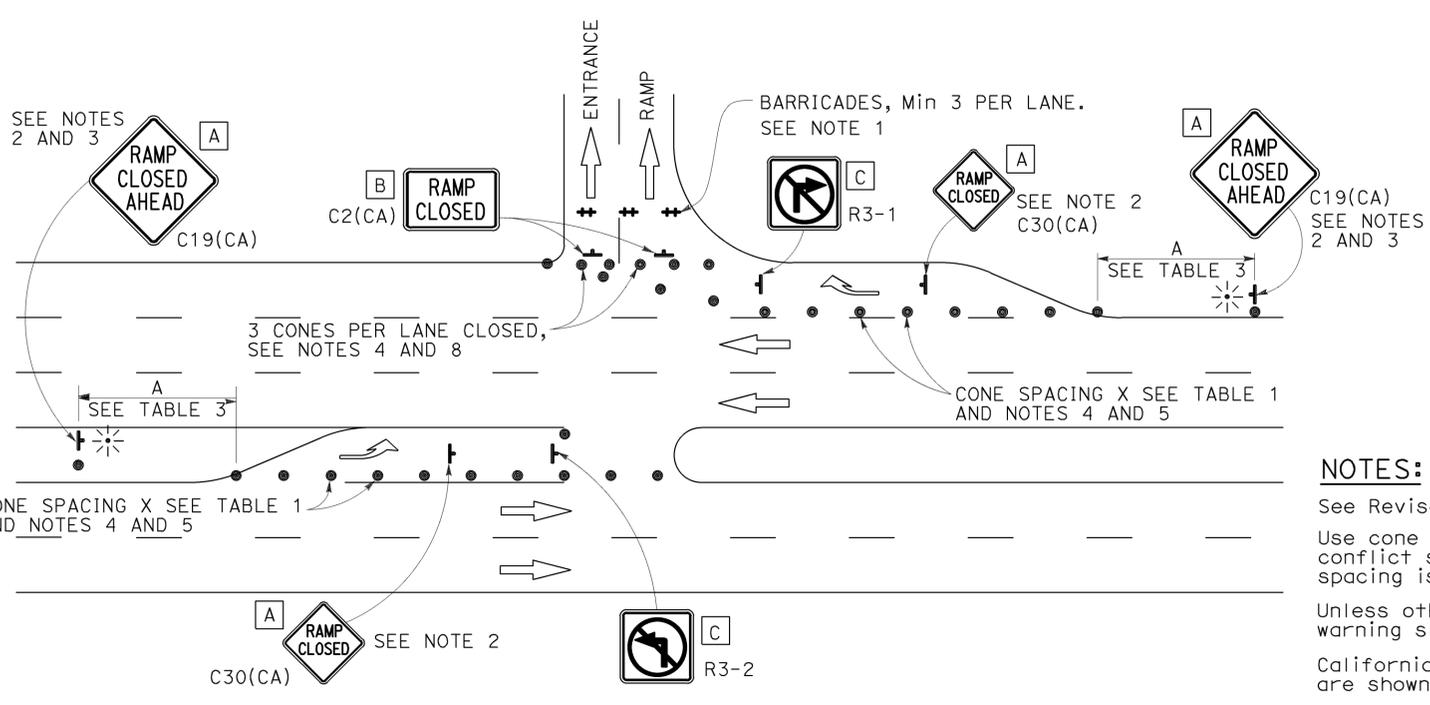
- Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
- In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
- Each advance C19(CA) "RAMP CLOSED AHEAD" sign 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. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
- All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
- At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
- The existing "EXIT" signs shall be covered during ramp closures.
- A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.



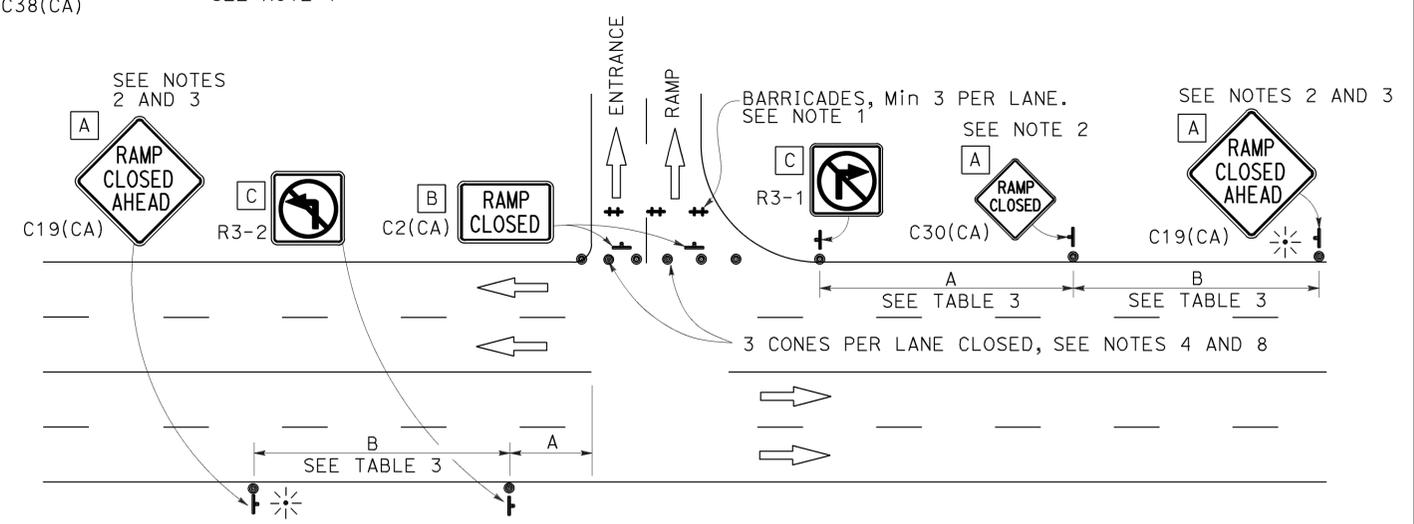
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

## 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 appropriate, 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.

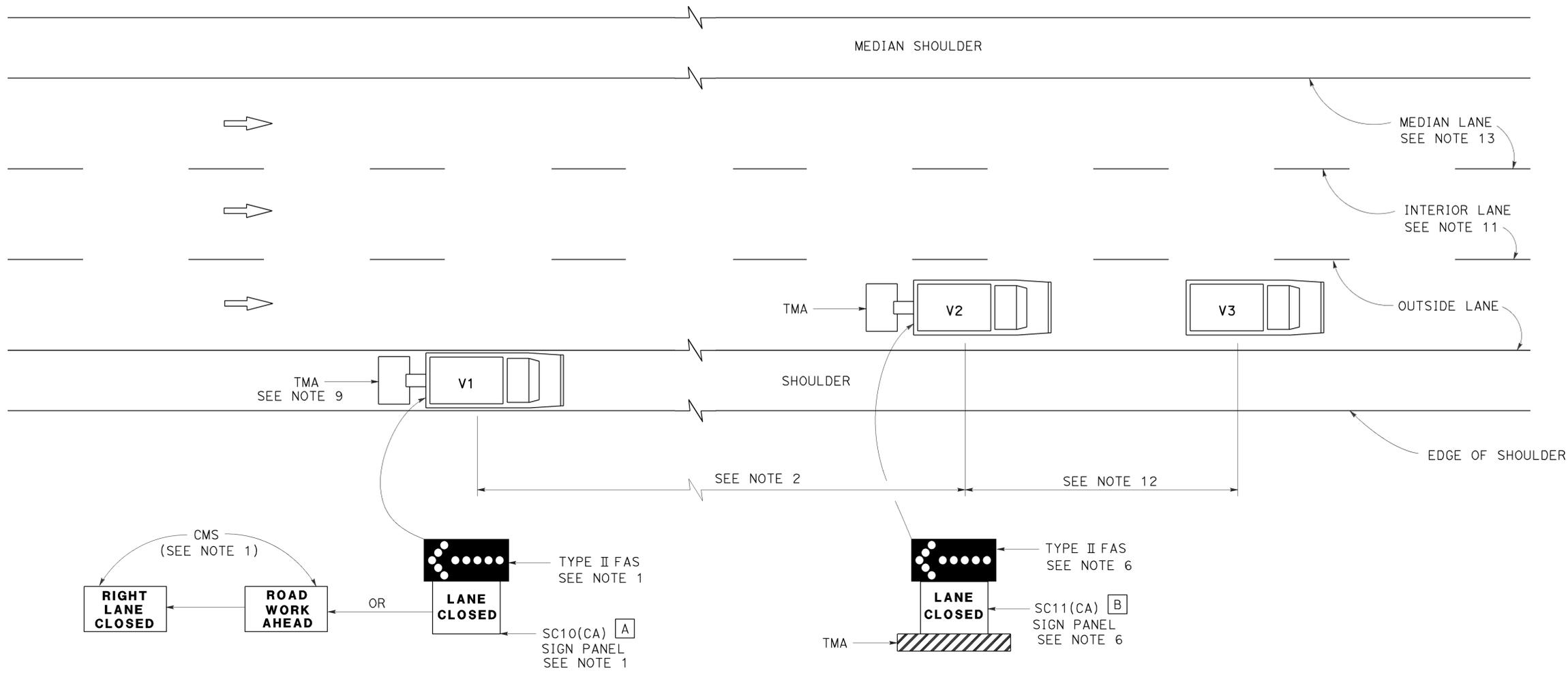
STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL SYSTEM  
 FOR RAMP CLOSURE**  
 NO SCALE

RSP T14 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T14  
 DATED MAY 20, 2011 - PAGE 242 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP T14**

2010 REVISED STANDARD PLAN RSP T14

TO ACCOMPANY PLANS DATED 12-21-15



**SIGN PANEL SIZE (Min)**

- A 66" x 36"
- B 54" x 42"

**LEGEND**

- V1 SIGN VEHICLE
- V2 SHADOW VEHICLE
- V3 WORK/APPLICATION VEHICLE
- FLASHING ARROW SIGN (FAS)
- CMS CHANGEABLE MESSAGE SIGN
- TMA TRUCK-MOUNTED ATTENUATOR

**MOVING LANE CLOSURE ON MEDIAN LANE OR OUTSIDE LANE OF MULTILANE HIGHWAYS**

**NOTES:**

1. Either a changeable message sign or a SC10(CA) sign panel and a Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1. The changeable message sign shall be sequenced to show the "ROAD WORK AHEAD" message first, followed by the "RIGHT LANE CLOSED" message. For median lane closure, the flashing arrow symbol shall be reversed with the arrowhead on the right and the changeable message sign shall show "LEFT LANE CLOSED".
2. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.
3. A minimum sight distance of 1500' should be provided in advance of sign vehicle V1.
4. Sign vehicle V1 should remain at the beginning of horizontal or vertical curves until the other vehicles (V2 and V3) are far enough beyond the curve to resume the minimum sight distance of 1500'.
5. Vehicle-mounted sign panels shall have Type III or above retroreflective sheeting, black on white, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.
6. Shadow vehicle V2 shall be equipped with a truck-mounted attenuator. The sign panel shown and a Type II flashing arrow sign shall be mounted on the rear of shadow vehicle V2. For median lane closure the flashing arrow sign symbol shall be displayed with the arrowhead on the right.
7. All vehicles used for lane closures shall be equipped with two-way radios, and the vehicle operators shall maintain communication during the work or application operation.
8. All vehicles shall be equipped with flashing or rotating amber lights.
9. If sign vehicle V1 encroaches into the traffic lane due to insufficient shoulder width, sign vehicle V1 shall be equipped with a truck-mounted attenuator. Sign vehicle V1 shall stay as close to the edge of shoulder as practicable.
10. Where workers would be on foot in the work area, a stationary type lane closure (Revised Standard Plan T10, T11, etc., as applicable) shall be used instead of this plan.
11. For moving lane closure on interior lane of multilane highways, use Revised Standard Plan T16.
12. The spacing between work vehicle(s) and the shadow vehicles, and between each shadow vehicle should be minimized to deter road users from driving in between.
13. When the work/application vehicle V3 occupies the median lane, sign vehicle V1 should drive in the median shoulder and indicate left lane closed ahead.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

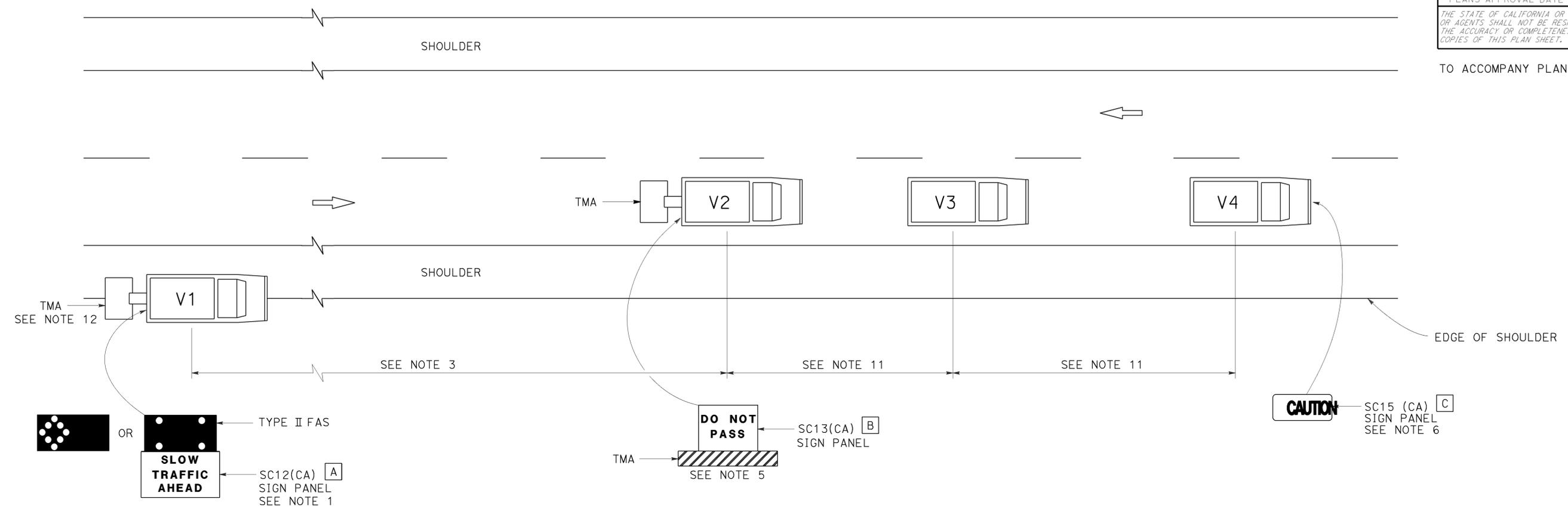
**TRAFFIC CONTROL SYSTEM FOR MOVING LANE CLOSURE ON MULTILANE HIGHWAYS**  
NO SCALE

RSP T15 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T15 DATED MAY 20, 2011 - PAGE 243 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP T15**

2010 REVISED STANDARD PLAN RSP T15

TO ACCOMPANY PLANS DATED 12-21-15



**NOTES:**

1. Either a changeable message sign or a SC12(CA) "SLOW TRAFFIC AHEAD" sign shall be mounted on the rear of sign vehicle V1. The changeable message sign shall be sequenced to show the "CAUTION" message first, follow by the "SLOW TRAFFIC AHEAD" message. A Type II flashing arrow sign may be used with the SC12(CA) sign panel.
2. Sign vehicle V1 should be positioned where highly visible when shoulders are not available.
3. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue.
4. Vehicle-mounted sign panels shall have Type III or above retroreflective sheeting, black on white, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.
5. Shadow vehicle shall be equipped with a truck-mounted attenuator. The sign panel shown shall be mounted on the rear of shadow vehicle V2. The message "LANE CLOSED" may be used in place of the "DO NOT PASS" message.
6. The sign panel shown shall be mounted on the front of sign vehicle V4, facing opposing traffic.

7. All vehicles shall be equipped with flashing or rotating amber lights.
8. Sign vehicle V4 will not be required when the work and vehicles V2 and V3 are 2' or more from the centerline of the highway during the work or application operations.
9. All vehicles used for lane closures shall be equipped with two-way radios and the vehicle operators shall maintain communication during the work or application operation.
10. This plan shall not be used where workers would be on foot in the work area. Use a stationary type lane closure (Revised Standard Plan T13) for this condition.
11. Minimize spacing between vehicles V2 and V3 and vehicles V3 and V4 to deter road users from driving in between them.
12. If sign vehicle V1 encroaches into the traffic lane due to insufficient shoulder width, sign vehicle V1 shall be equipped with a truck-mounted attenuator. Sign vehicle V1 shall stay as close to the edge of shoulder as practicable.

**LEGEND**

- V1 SIGN VEHICLE
- V2 SHADOW VEHICLE
- V3 WORK/APPLICATION VEHICLE
- V4 SIGN VEHICLE
- TMA TRUCK-MOUNTED ATTENUATOR
- FLASHING ARROW SIGN (FAS) IN FLASHING CAUTION MODE
- FLASHING ARROW SIGN (FAS) IN ALTERNATING DIAMOND CAUTION

**SIGN PANEL SIZE (Min)**

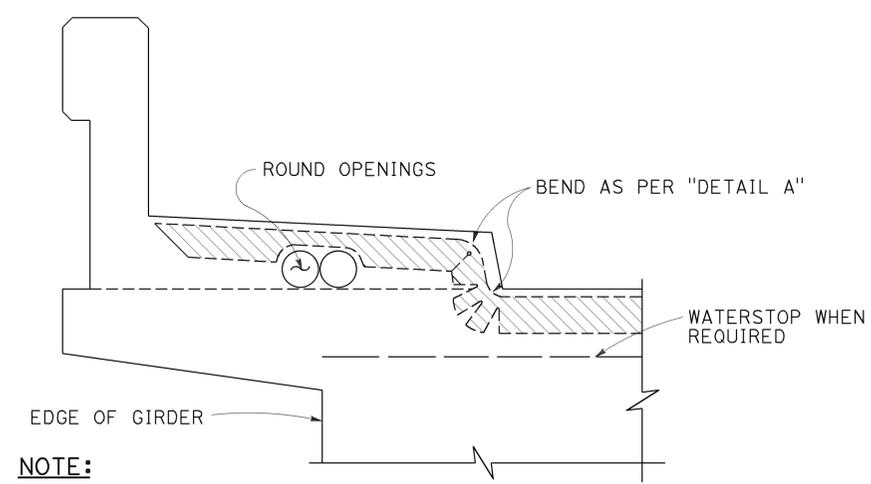
- A 72" x 42"
- B 54" x 42"
- C 54" x 24"

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL SYSTEM  
 FOR MOVING LANE CLOSURE  
 ON TWO LANE HIGHWAYS**  
 NO SCALE

RSP T17 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T17 DATED MAY 20, 2011 - PAGE 245 OF THE STANDARD PLANS BOOK DATED 2010.

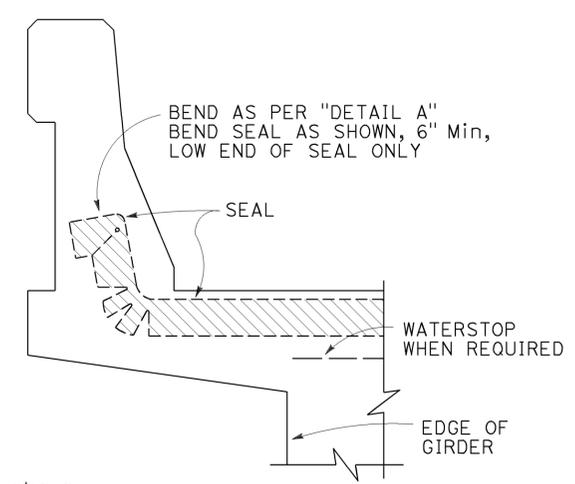
**REVISED STANDARD PLAN RSP T17**

2010 REVISED STANDARD PLAN RSP T17

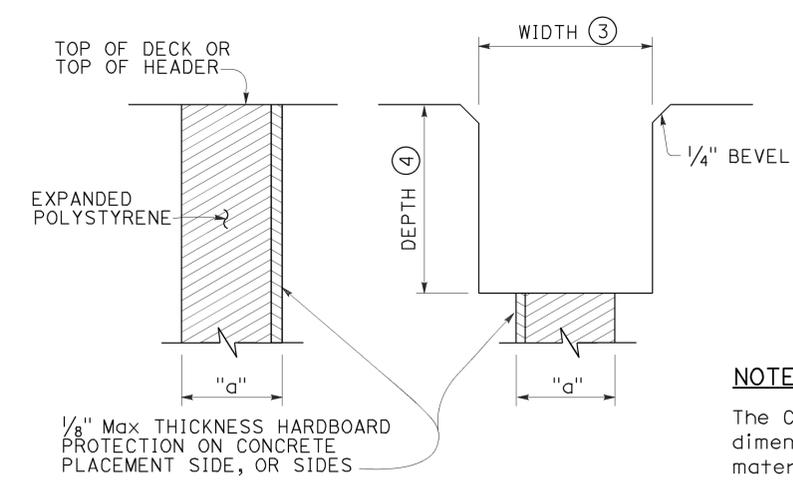


**NOTE:**  
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

**CONCRETE BARRIER AND SIDEWALK**



**CONCRETE BARRIER**

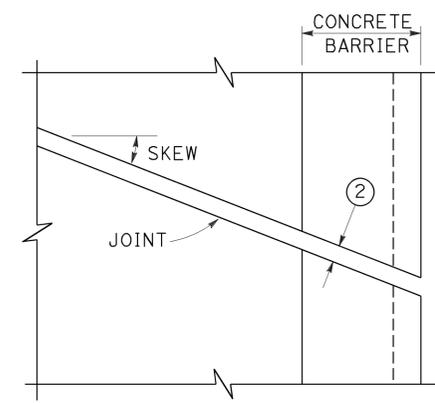


**FORMING DETAIL SAWCUT DETAIL**

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

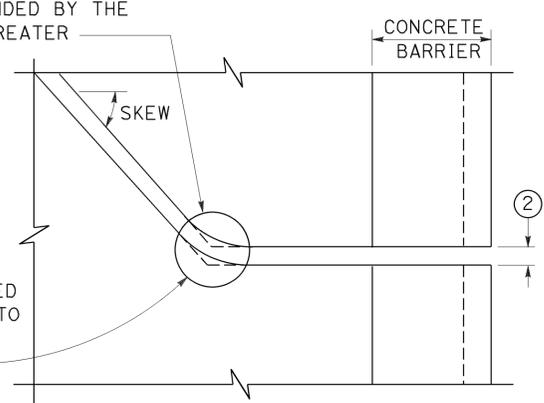
**JOINT SEALS DETAILS**

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



**PLAN OF JOINT (SKEW  $\leq 20^\circ$ )**

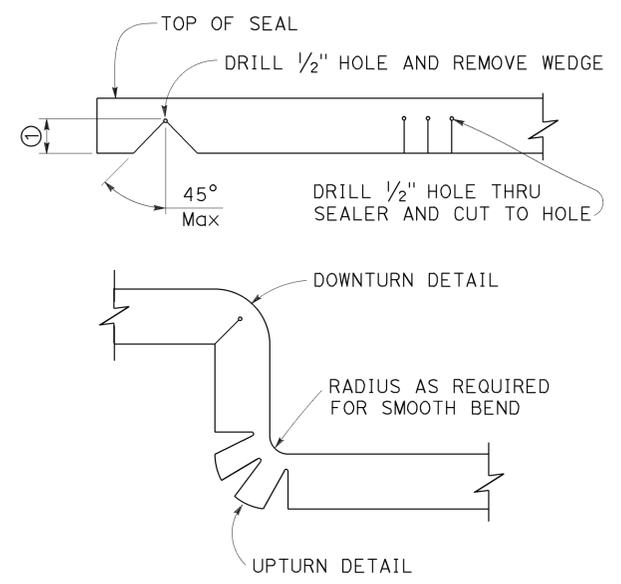
IN LIEU OF SAW CUTTING, THIS AREA MAY BE BLOCKED OUT AND RECONSTRUCTED TO MATCH SAW CUTTING ON BOTH SIDES.



**PLAN OF JOINT (SKEW  $> 20^\circ$ )**

**NOTES:**

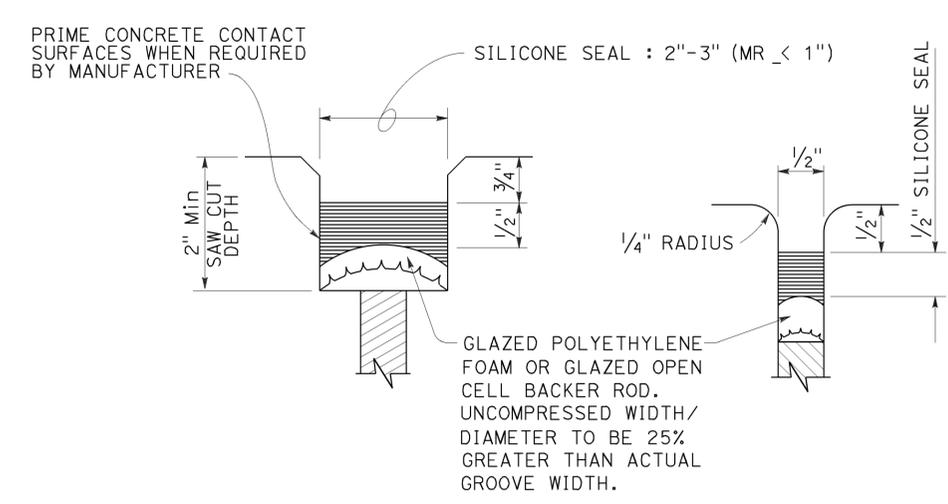
- Make smooth cuts from the bottom of seal to 1 1/2" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
- Opening in barrier to match width of sawn deck joint.
- Sawcut groove widths shall be as ordered by the Engineer.
- 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.
- MR (movement rating) as shown on other plan sheets.
- Other depths must be approved by the Engineer.
- A sidewalk joint shall be covered by an expansion joint armor.



**DETAIL A**

**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	1 1/2"	1 1/4"	3/4"
	CIP/PS	1 1/4"	1"	1/2"
1 1/2"	ALL EXCEPT CIP/PS	1 1/4"	1"	1/2"
	CIP/PS	1"	3/4"	1/2"
1"	ALL EXCEPT CIP/PS	1"	3/4"	1/2"
	CIP/PS	3/4"	1/2"	1/2"
1/2"	ALL EXCEPT CIP/PS	3/4"	3/4"	1/2"
	CIP/PS	1/2"	1/2"	1/2"

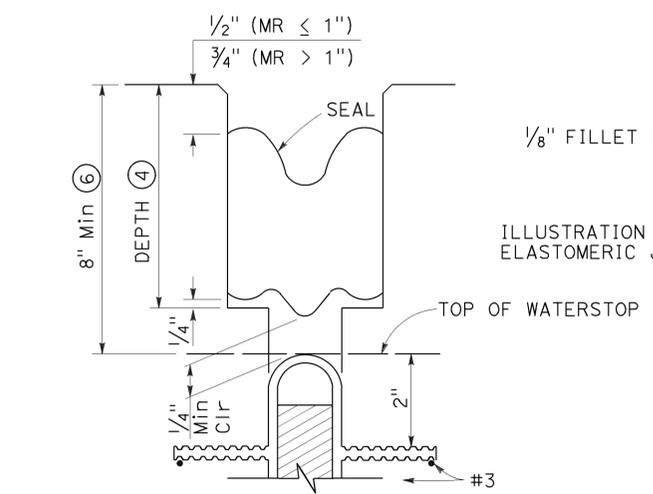


**TYPE A SEAL**

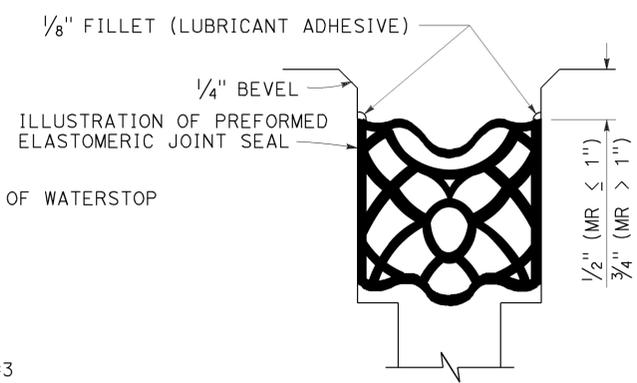
Movement rating : Silicone = 1" Max

**TYPE AL SEAL**

Longitudinal joints only



**TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION ( $W_2$ )**



**TYPE B SEAL**

Movement Rating  $\leq 2"$

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.

**INDEX TO PLANS**

SHEET NO.	TITLE
1	GENERAL PLAN NO.1
2	GENERAL PLAN NO.2
3	GENERAL PLAN NO.3
4	GENERAL PLAN NO.4
5	GENERAL PLAN NO.5
6	JOINT SEAL DETAILS NO.1
7	JOINT SEAL DETAILS NO.2
8	JOINT SEAL DETAILS NO.3

**STANDARD PLANS DATED MAY 2010**

SHEET NO.	TITLE
A10A	ABBREVIATIONS (SHEET 1 OF 2)
RSP A10B	ABBREVIATIONS (SHEET 2 OF 2)
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
  - Indicates limits of clean expansion joint and install new joint seal for details, see "JOINT SEAL DETAILS NO.3" sheet.
  - Indicates limits of bridge removal (portion), place polyester concrete expansion dam, clean expansion joint and install new bonded joint seal. For details, see "JOINT SEAL DETAILS NO.1", "JOINT SEAL DETAILS NO.2" and "JOINT SEAL DETAILS NO.3" sheets.
  - ▨ Indicates limits of prepare concrete bridge deck surface and treat bridge deck with methacrylate.
- ① For joint seal details, see "JOINT SEAL AT SIDEWALK DETAIL 1" on "JOINT SEAL DETAILS NO.3" sheet.

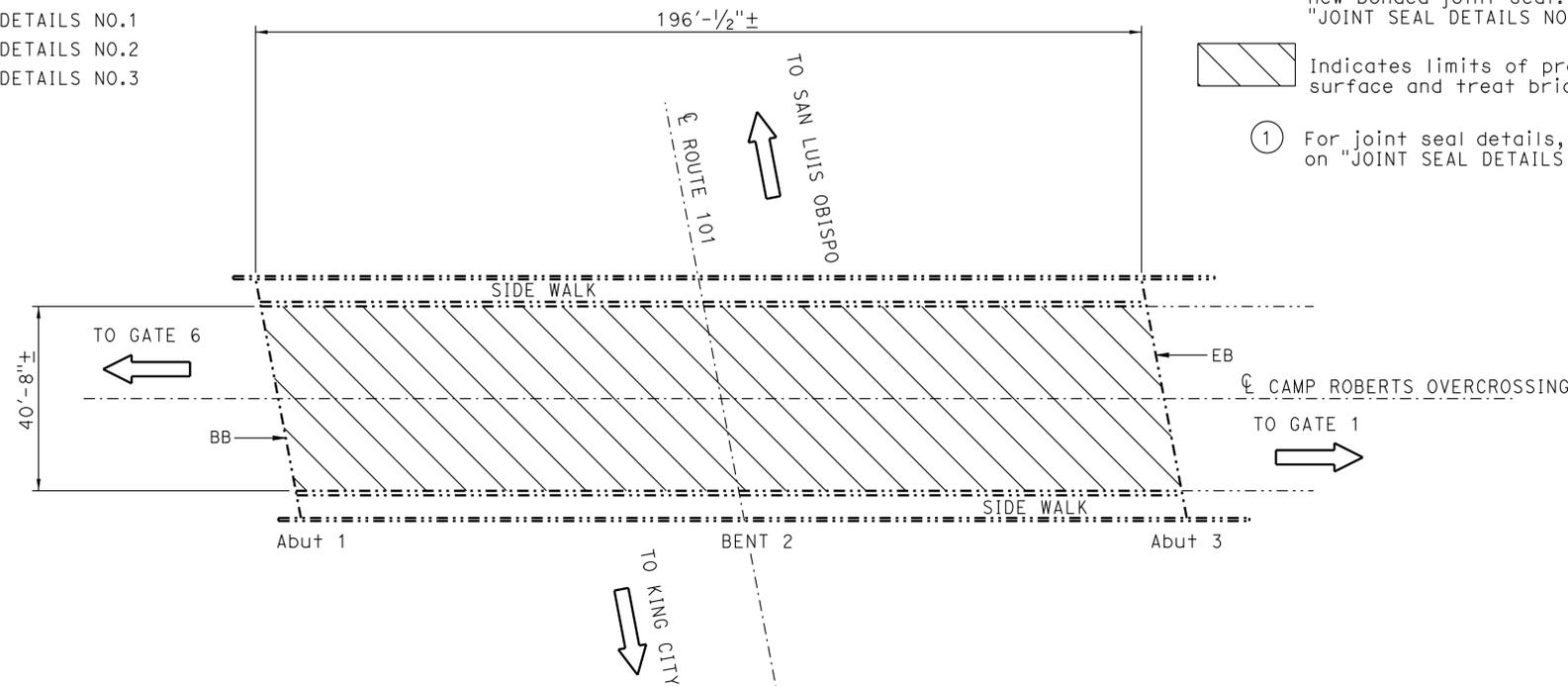
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	17	24

*Tim Campbell* 9-21-15  
 REGISTERED CIVIL ENGINEER DATE

12-21-15  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 TIM CAMPBELL  
 No. 63268  
 Exp. 06-30-16  
 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.*



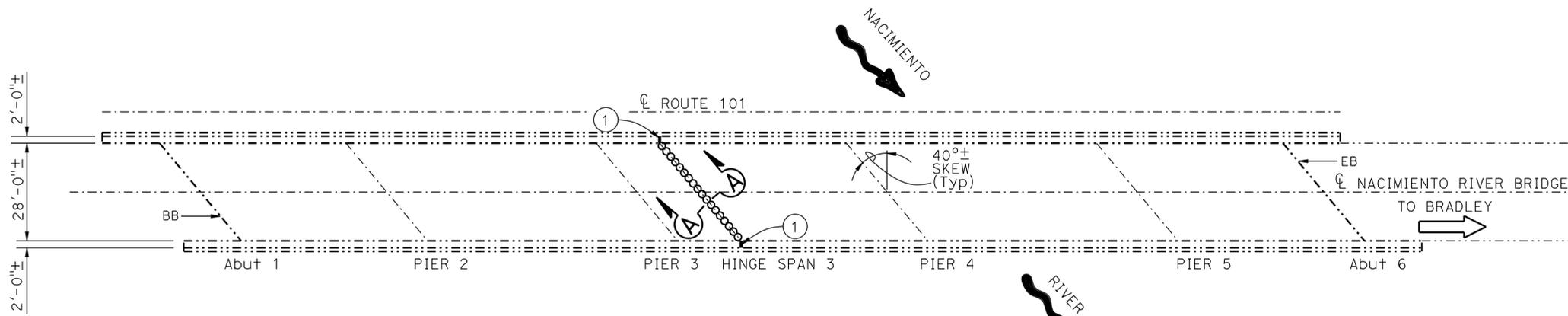
CAMP ROBERTS OVERCROSSING (44-0137)

**CAMP ROBERTS OVERCROSSING**

Br. No. 44-0137, ROUTE 101, PM R0.84  
 1" = 20'

QUANTITIES  
 PUBLIC SAFETY PLAN  
 PREPARE CONCRETE BRIDGE DECK SURFACE  
 TREAT BRIDGE DECK  
 FURNISH BRIDGE DECK TREATMENT MATERIAL

LUMP SUM  
 7,973 SQFT  
 7,973 SQFT  
 89 GAL



NACIMIENTO RIVER (44-0139R)

**NACIMIENTO RIVER**

Br. No. 44-0139R, ROUTE 101, PM R2.43  
 1" = 20'

NOTE: For section "A-A" see "JOINT SEAL DETAILS NO.1" sheet

QUANTITIES  
 POLYESTER CONCRETE EXPANSION DAM  
 BRIDGE REMOVAL (PORTION), LOCATION A  
 STRUCTURAL CONCRETE, BRIDGE  
 CLEAN EXPANSION JOINT  
 BONDED JOINT SEAL (MR 1 1/2")  
 BAR REINFORCING STEEL (BRIDGE)

9 CF  
 LUMP SUM  
 0.6 CY  
 44 LF  
 44 LF  
 145 LB

NOTE:  
 THE CONTRACTOR MUST VERIFY ALL  
 CONTROLLING FIELD DIMENSIONS  
 BEFORE ORDERING OR FABRICATING  
 ANY MATERIAL.

 DESIGN ENGINEER 9-21-15	DESIGN	BY T. CAMPBELL	CHECKED O. VO	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	<b>ROUTE 41 &amp; 101 BRIDGES</b> <b>GENERAL PLAN NO.1</b>	
	DETAILS	BY N. KELLEY	CHECKED O. VO	LAYOUT	BY N. KELLEY		DIVISION OF MAINTENANCE		VARIES
	QUANTITIES	BY T. CAMPBELL	CHECKED O. VO	SPECIFICATIONS	BY J. RAMIREZ		COMPARED PLANS AND SPECS COMPARED J. RAMIREZ		STRUCTURE MAINTENANCE DESIGN

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS  
 UNIT: 3488  
 PROJECT NUMBER & PHASE: 0514000141  
 CONTRACT NO.: 05-1G3201  
 DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
11-18-14 5-28-15 8-31-15 9-23-15	1	8

FILE => 05\_1g3201\_agp.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	18	24

<i>Tim Campbell</i>	9-21-15
REGISTERED CIVIL ENGINEER	DATE
12-21-15	
PLANS APPROVAL DATE	

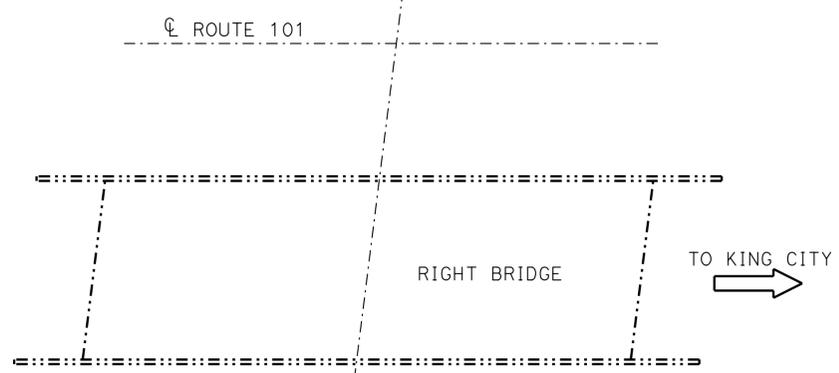
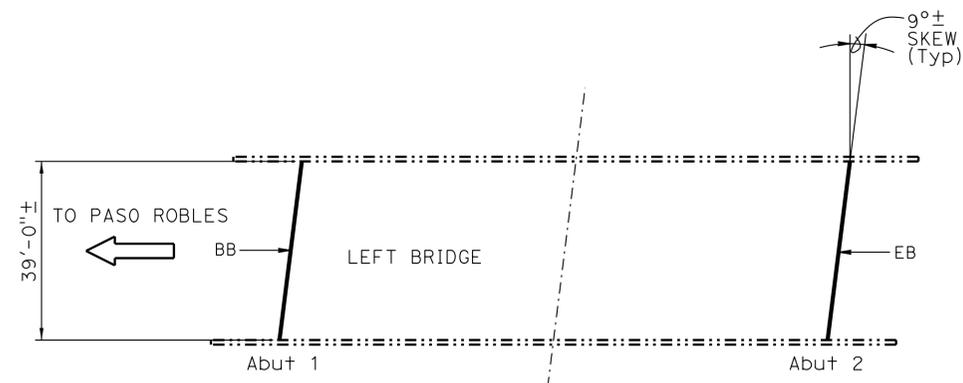
  

TIM CAMPBELL
No. 63268
Exp. 06-30-16
CIVIL

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NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
- Indicates limits of clean expansion joint and install new joint seal for details, see "JOINT SEAL DETAILS NO.3" sheet.
-  Indicates limits of prepare concrete bridge deck surface and treat bridge deck with Methacrylate.

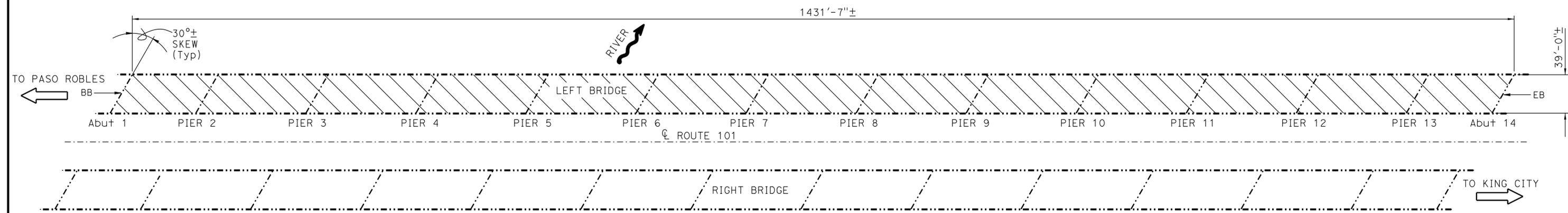


**SAN ARDO UNDERCROSSING**

Br. No. 44-0193L, ROUTE 101, PM R21.99  
1" = 20'

**SAN ARDO UNDERCROSSING (44-0193L)**

QUANTITIES  
CLEAN EXPANSION JOINT 80 LF  
JOINT SEAL (MR 1/2") 80 LF



**SALINAS RIVER**

Br. No. 44-0177L, ROUTE 101, PM R30.80  
1" = 50'

**SALINAS RIVER (44-0177L)**

QUANTITIES  
PREPARE CONCRETE BRIDGE DECK SURFACE 55,832 SQFT  
TREAT BRIDGE DECK 55,832 SQFT  
FURNISH BRIDGE DECK TREATMENT MATERIAL 620 GAL

NOTE:  
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

*Matthew Wiley*  
DESIGN ENGINEER  
9-21-15

DESIGN	BY T. CAMPBELL	CHECKED Q. VO
DETAILS	BY N. KELLEY	CHECKED Q. VO
QUANTITIES	BY T. CAMPBELL	CHECKED Q. VO

LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
LAYOUT	BY N. KELLEY
SPECIFICATIONS	BY J. RAMIREZ

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIES
POST MILE	VARIOUS

**ROUTE 41 & 101 BRIDGES  
GENERAL PLAN NO.2**

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 3488  
PROJECT NUMBER & PHASE: 0514000141

CONTRACT NO.: 05-1G3201

DISREGARD PRINTS BEARING EARLIER REVISION DATES

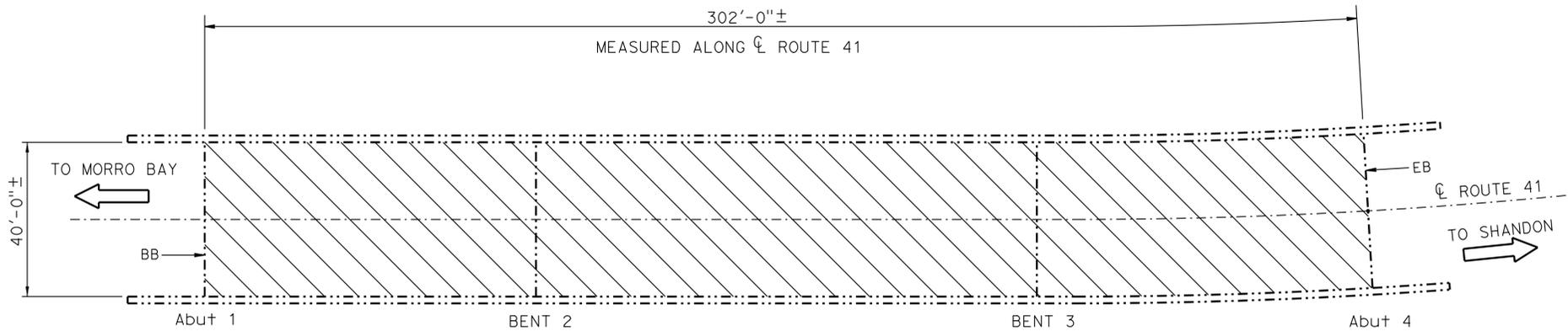
REVISION DATES	SHEET	OF
11-18-14 8-31-15 9-23-15 5-28-15	2	8

USERNAME => s119704 DATE PLOTTED => 29-DEC-2015 TIME PLOTTED => 14:14

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	19	24

9-21-15  
 REGISTERED CIVIL ENGINEER DATE  
 12-21-15  
 PLANS APPROVAL DATE

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**STADIUM PARK DRIVE**

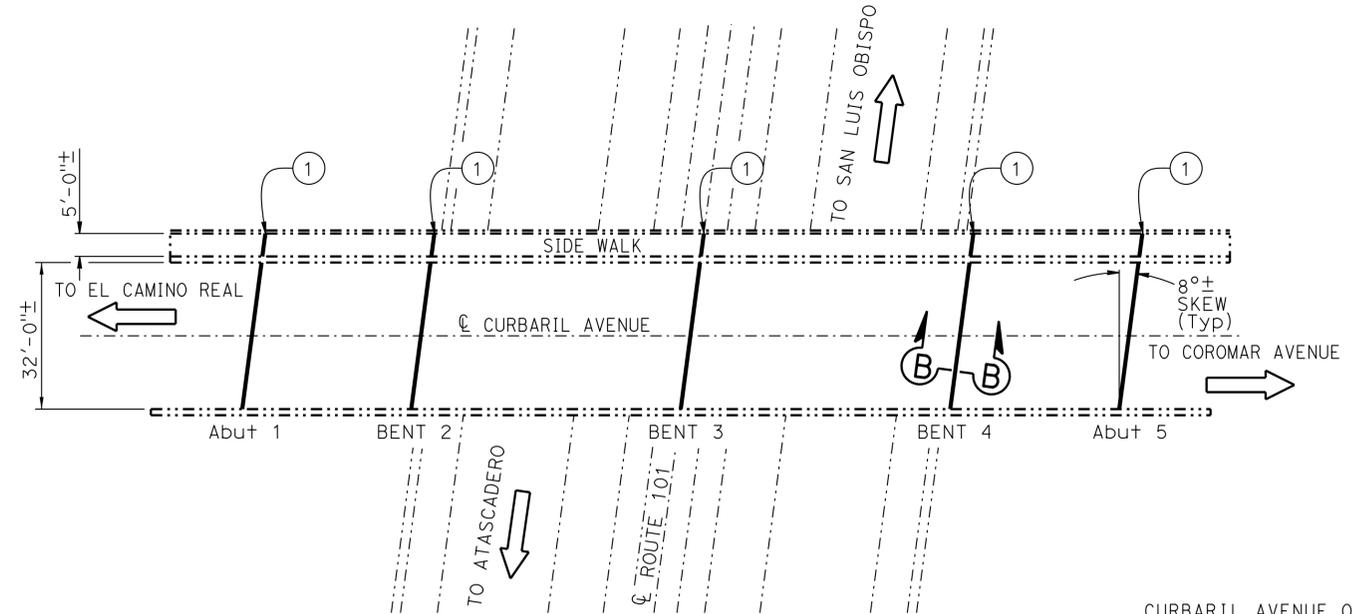
Br. No. 49-0232, ROUTE 41, PM R16.29  
1" = 20'

STADIUM PARK DRIVE (49-0232)  
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	12,080	SOFT
TREAT BRIDGE DECK	12,080	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	134	GAL

NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
- Indicates limits of clean expansion joint and install new joint seal for details, see "JOINT SEAL DETAILS NO.1", "JOINT SEAL DETAILS NO.2" and "JOINT SEAL DETAILS NO.3" sheets.
- Indicates limits of prepare concrete bridge deck surface and treat bridge deck with methacrylate.
- ① For joint seal details, see "JOINT SEAL AT SIDEWALK DETAIL 2" on "JOINT SEAL DETAILS NO.3" sheet.



**CURBARIL AVENUE OVERCROSSING**

Br. No. 49-0161, ROUTE 101, PM 44.84  
1" = 20'

CURBARIL AVENUE OVERCROSSING (49-0161)  
QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION B	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE	0.8	CY
CLEAN EXPANSION JOINT	195	LF
JOINT SEAL (MR 1 1/2")	117	LF
JOINT SEAL (MR 1")	78	LF

NOTE: THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

NOTE: For "SECTION B-B" see "JOINT SEAL DETAILS NO.1" sheet.

 DESIGN ENGINEER 9-21-15	DESIGN	BY T. CAMPBELL	CHECKED Q. VO	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	<b>ROUTE 41 &amp; 101 BRIDGES</b> <b>GENERAL PLAN NO.3</b>			
	DETAILS	BY N. KELLEY	CHECKED Q. VO	LAYOUT	BY N. KELLEY		CHECKED T. CAMPBELL		VARIES		
	QUANTITIES	BY T. CAMPBELL	CHECKED Q. VO	SPECIFICATIONS	BY J. RAMIREZ		CHECKED J. RAMIREZ		POST MILE		
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3488 PROJECT NUMBER & PHASE: 0514000141	CONTRACT NO.: 05-1G3201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 3 OF 8

USERNAME => S119704 DATE PLOTTED => 04-JAN-2016 TIME PLOTTED => 15:14

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	20	24

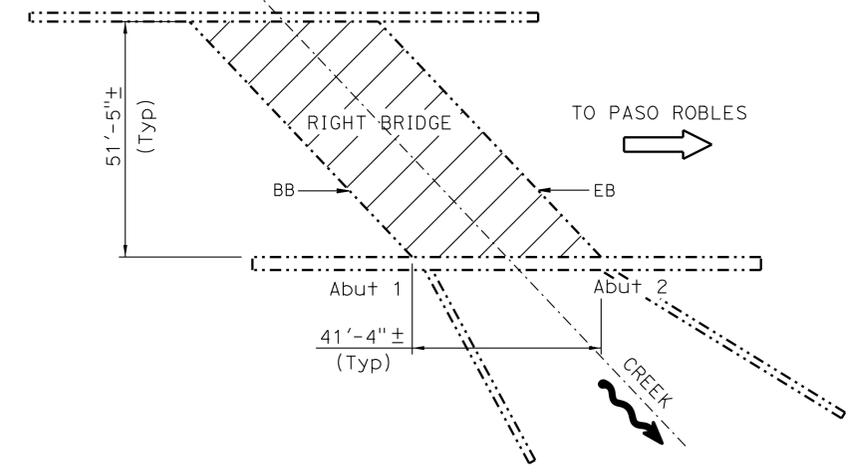
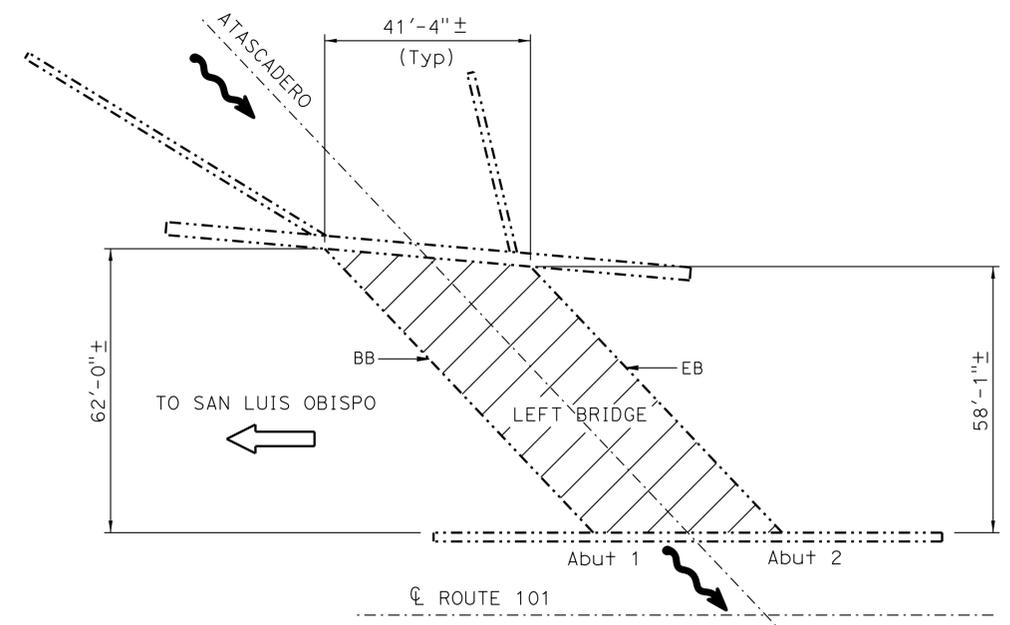
9-21-15  
 REGISTERED CIVIL ENGINEER DATE  
 12-21-15  
 PLANS APPROVAL DATE  
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER  
 TIM CAMPBELL  
 No. 63268  
 Exp. 06-30-16  
 CIVIL  
 STATE OF CALIFORNIA

NOTES: (APPLY TO THIS SHEET ONLY)

----- Indicates existing.

Indicates limits of prepare concrete bridge deck surface and treat bridge deck with methacrylate.

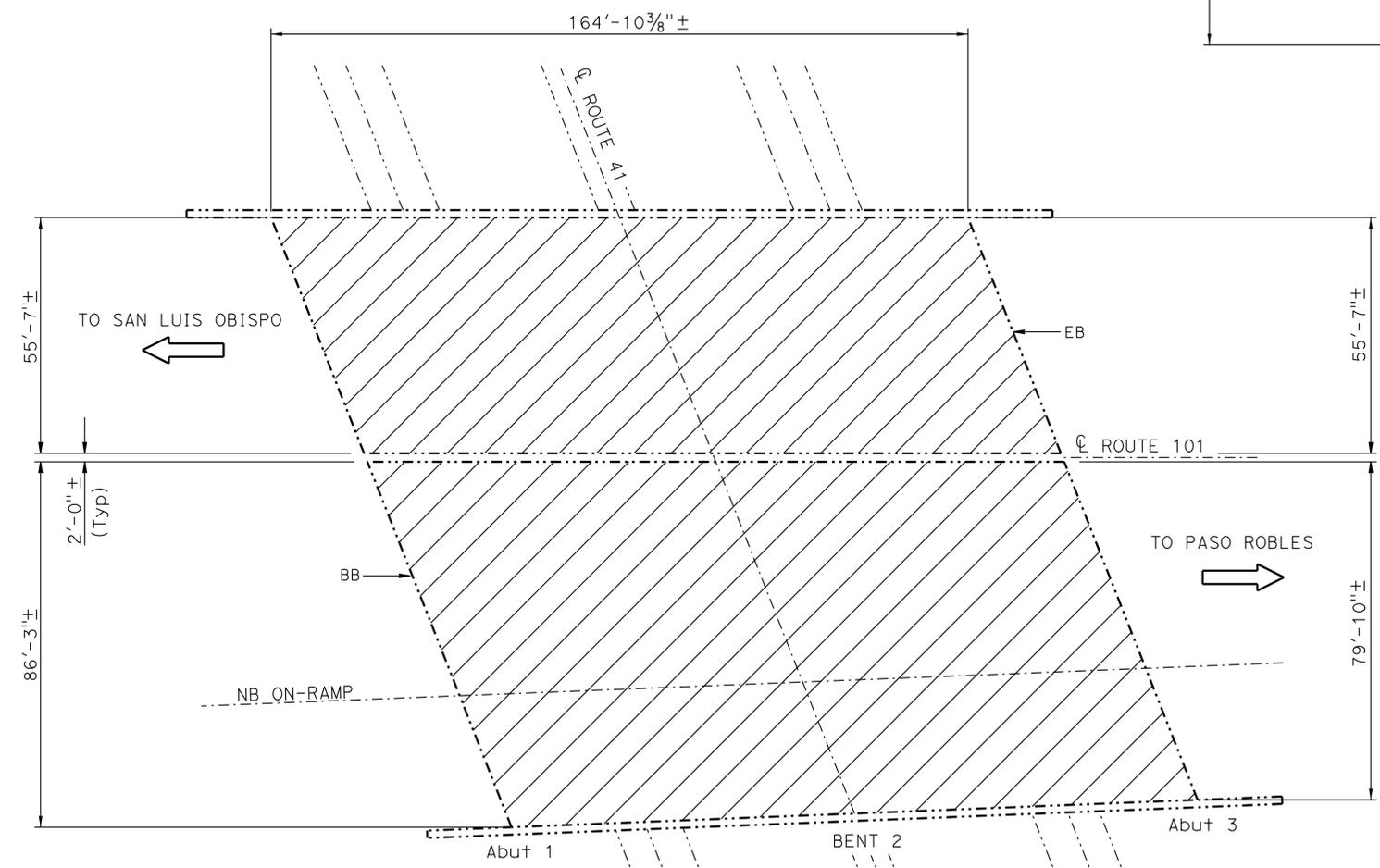


**ATASCADERO CREEK**

Br. No. 49-0151L/R, ROUTE 101, PM 45.72  
1" = 20'

ATASCADERO CREEK (49-0151L/R)  
QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	4,610 SQFT
TREAT BRIDGE DECK	4,610 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	52 GAL



**ROUTE 101/41 SEPARATION**

Br. No. 49-0247, ROUTE 101, PM 45.56  
1" = 20'

ROUTE 101/41 SEPARATION (49-0247)  
QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	22,856 SQFT
TREAT BRIDGE DECK	22,856 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	254 GAL

NOTE:  
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

 DESIGN ENGINEER	DESIGN	BY T. CAMPBELL	CHECKED 0. VO	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	<b>ROUTE 41 &amp; 101 BRIDGES</b> <b>GENERAL PLAN NO.4</b>
	DETAILS	BY N. KELLEY	CHECKED 0. VO	LAYOUT	BY N. KELLEY			CHECKED T. CAMPBELL	
	QUANTITIES	BY T. CAMPBELL	CHECKED 0. VO	SPECIFICATIONS	BY J. RAMIREZ	CHECKED J. RAMIREZ	POST MILE	VARIOUS	

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)      ORIGINAL SCALE IN INCHES FOR REDUCED PLANS      UNIT: 3488      PROJECT NUMBER & PHASE: 0514000141      CONTRACT NO.: 05-1G3201      DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
11-18-14   9-23-15   4-8-15   8-31-15	4	8

FILE => 05\_1g3201\_dgp.dgn

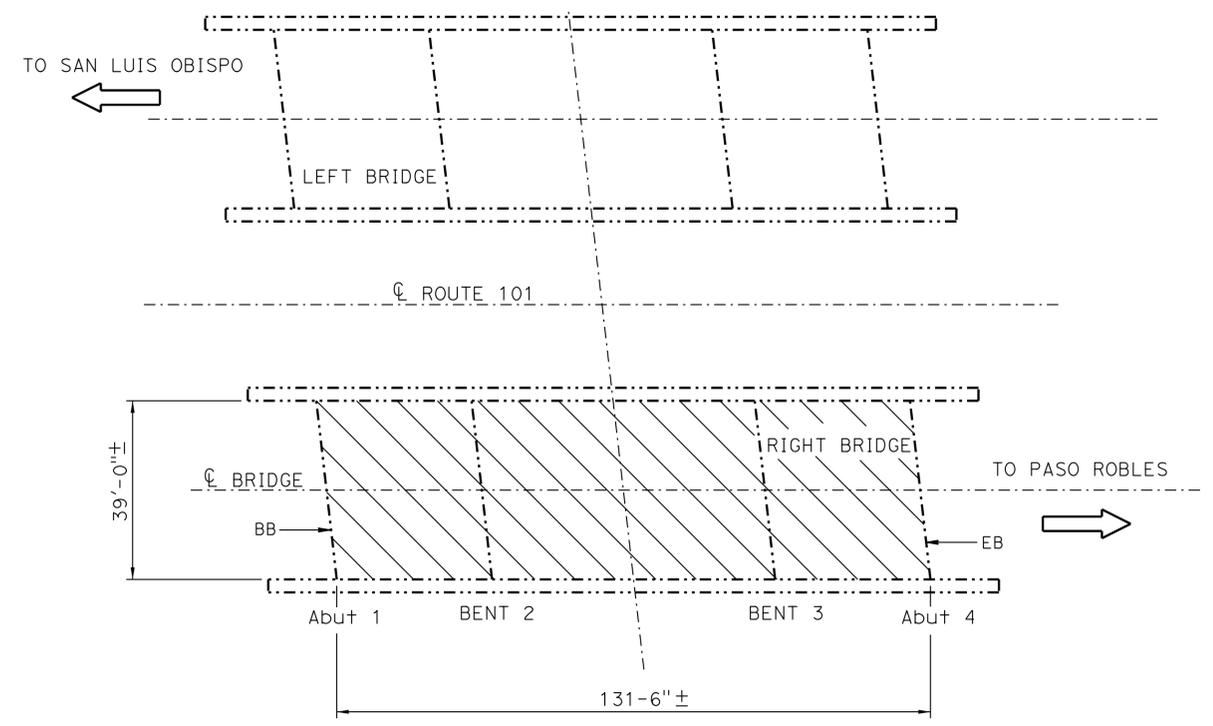
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	21	24

*Tim Campbell* 9-21-15  
 REGISTERED CIVIL ENGINEER DATE  
 12-21-15  
 PLANS APPROVAL DATE  
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REGISTERED PROFESSIONAL ENGINEER  
 TIM CAMPBELL  
 No. 63268  
 Exp. 06-30-16  
 CIVIL  
 STATE OF CALIFORNIA

NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
- Indicates limits of prepare concrete bridge deck surface and treat bridge deck with methacrylate.

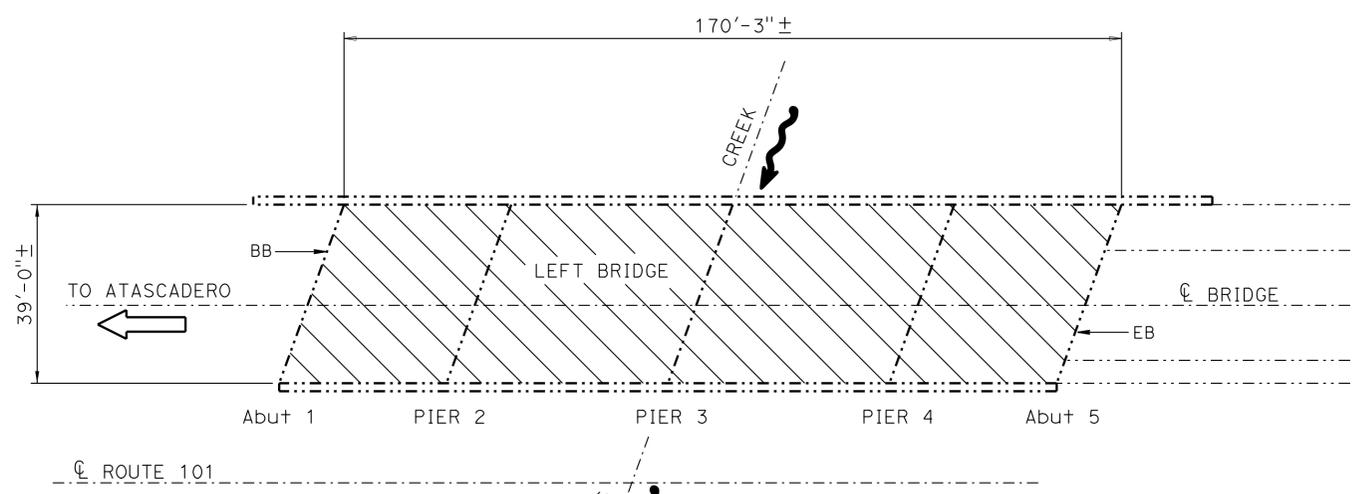


**TRAFFIC WAY UNDERCROSSING**

Br. No. 49-0152R, ROUTE 101, PM 45.96  
 1" = 20'

TRAFFIC WAY UNDERCROSSING (49-0152R)  
 QUANTITIES

	LUMP	SUM
PUBLIC SAFETY PLAN		
PREPARE CONCRETE BRIDGE DECK SURFACE	5,129	SQFT
TREAT BRIDGE DECK	5,129	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	57	GAL



**PASO ROBLES CREEK**

Br. No. 49-0002L, ROUTE 101, PM 49.64  
 1" = 20'

PASO ROBLES CREEK (49-0002L)  
 QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	6,640	SQFT
TREAT BRIDGE DECK	6,640	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	74	GAL

NOTE:  
 THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

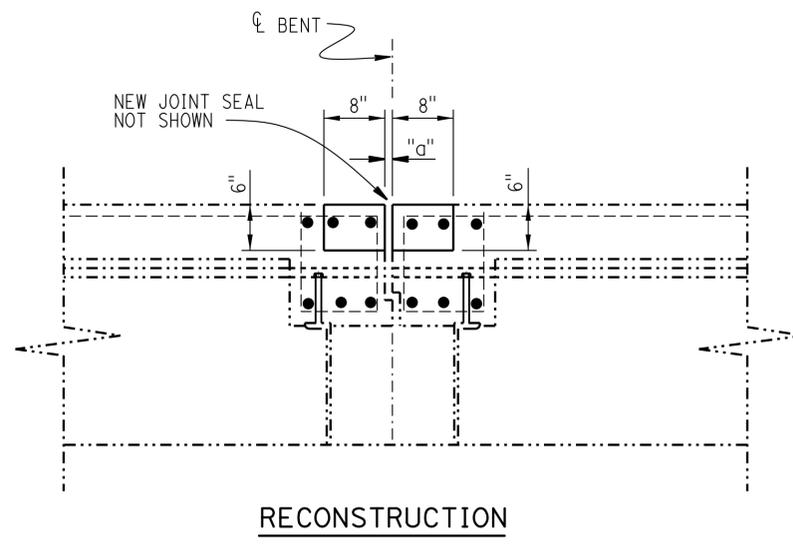
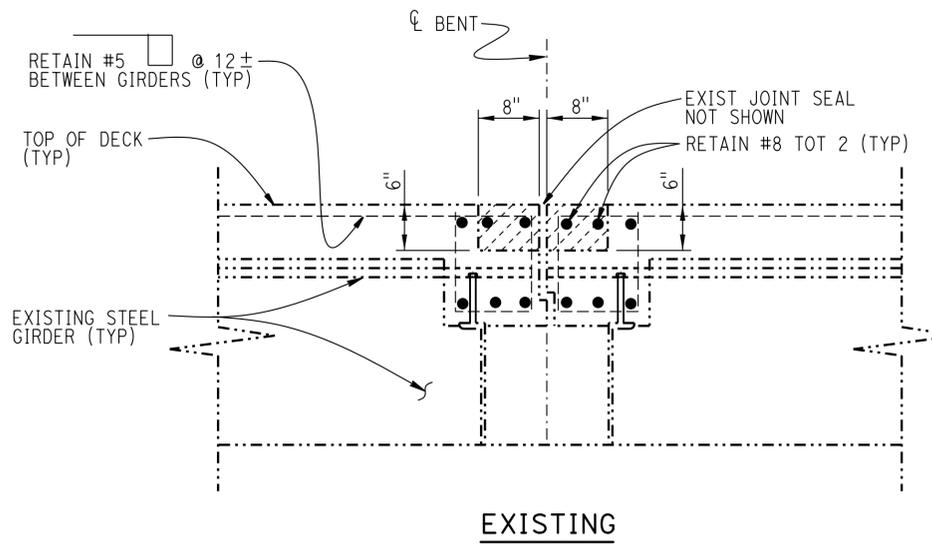
 DESIGN ENGINEER	DESIGN	BY T. CAMPBELL	CHECKED O. VO	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	<b>ROUTE 41 &amp; 101 BRIDGES</b> <b>GENERAL PLAN NO.5</b>
	DETAILS	BY N. KELLEY	CHECKED O. VO	LAYOUT	BY N. KELLEY			CHECKED T. CAMPBELL	
	QUANTITIES	BY T. CAMPBELL	CHECKED O. VO	SPECIFICATIONS	BY J. RAMIREZ	CHECKED J. RAMIREZ	POST MILE	VARIOUS	

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT: 3488 PROJECT NUMBER & PHASE: 0514000141 CONTRACT NO.: 05-1G3201 DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
11-18-14	8-31-15	9-23-15	5-28-15	5	8

FILE => 05\_1g3201\_egp.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SLO	41, 101	Var	22	24
				9-21-15	
REGISTERED CIVIL ENGINEER				DATE	
12-21-15				PLANS APPROVAL DATE	
					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</small>					



**EXISTING**

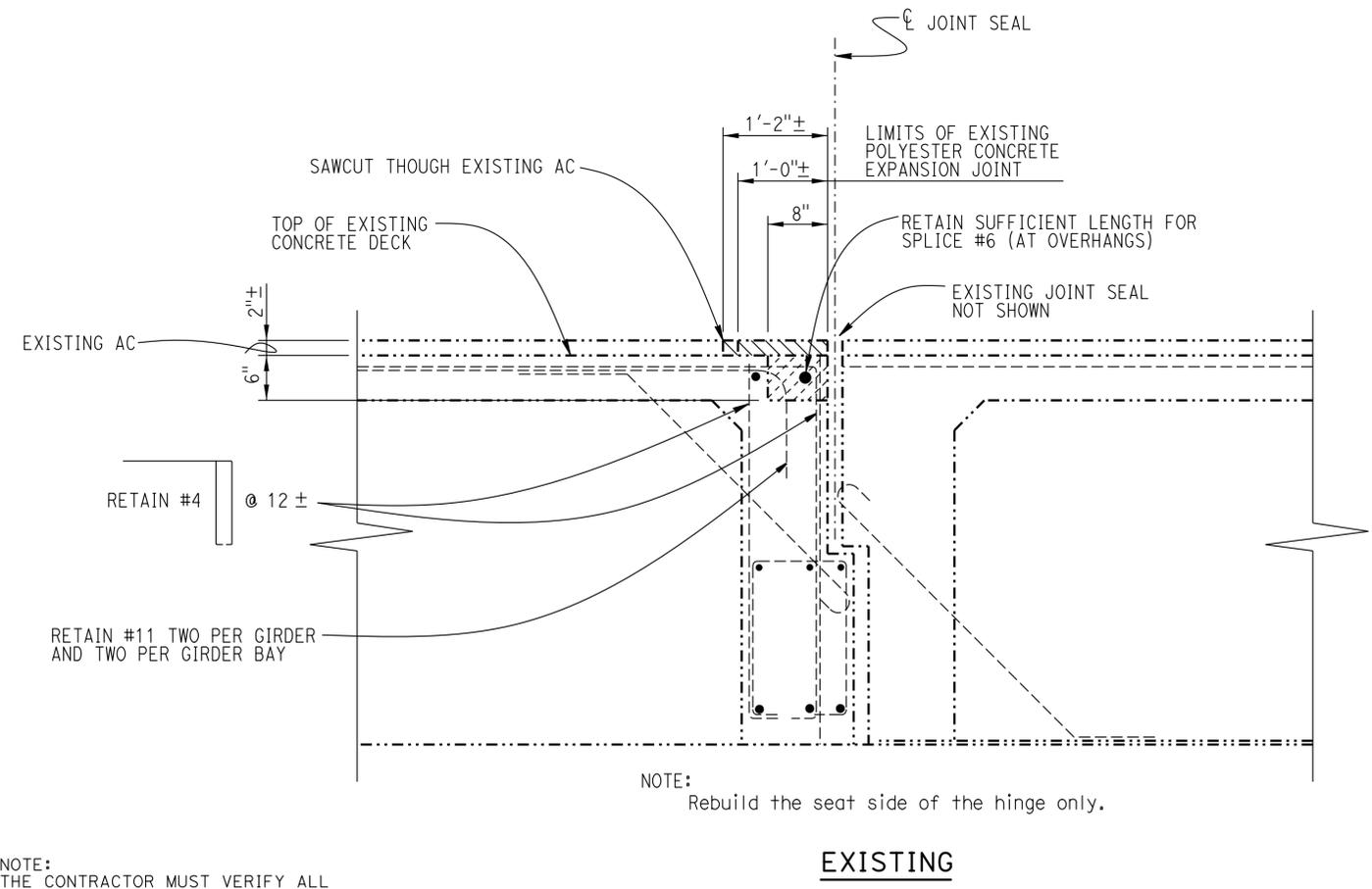
**RECONSTRUCTION**

**SECTION B-B**

1" = 1'-0"  
(Br. No. 49-0161)

NOTE:  
For limits of "SECTION B-B" see  
"TYPICAL JOINT REBUILD AT BARRIER RAIL DETAIL 2"  
on "JOINT SEAL DETAILS NO. 2" sheet.

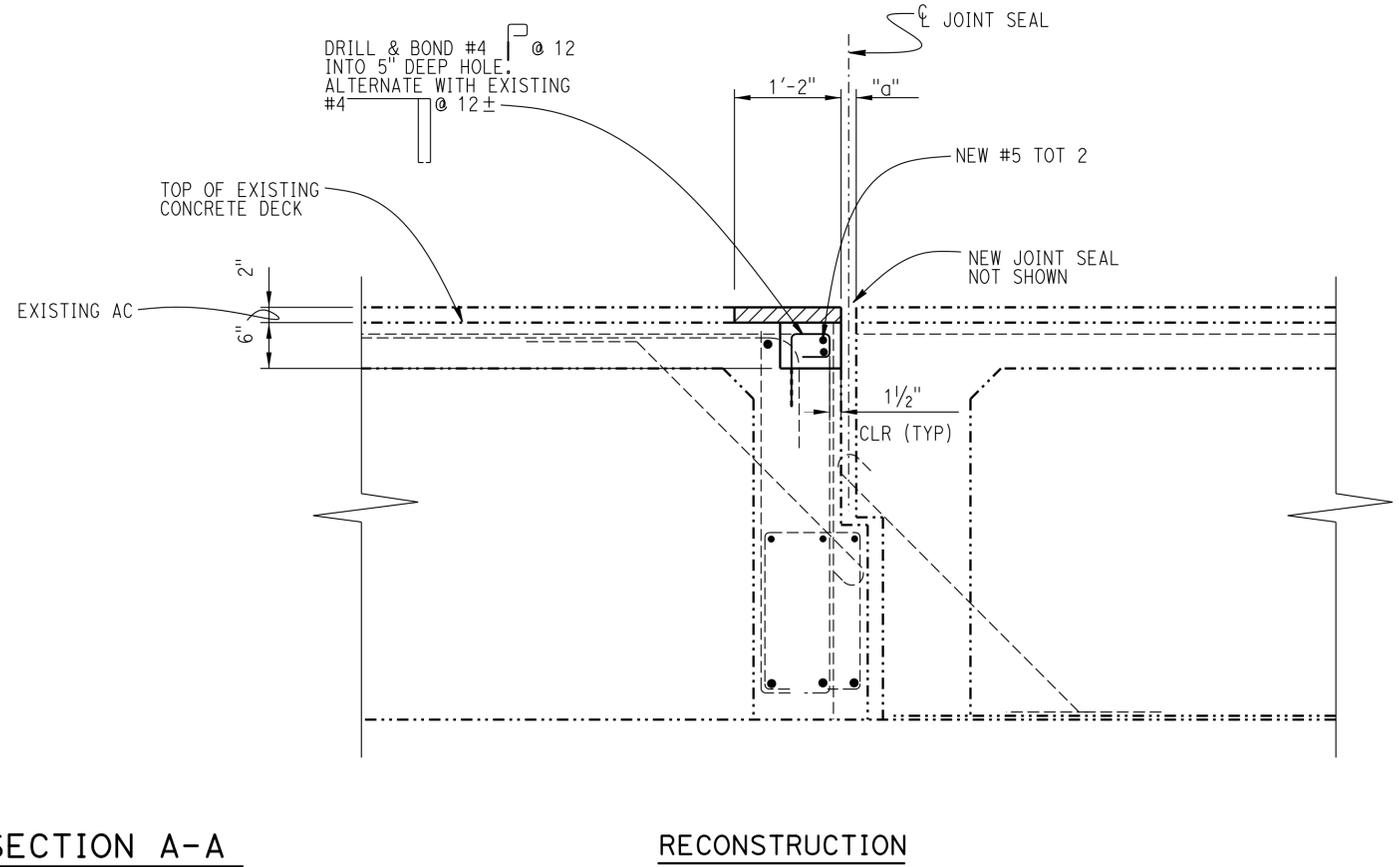
- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates existing.
  -  Indicates limits of existing AC and polyester concrete expansion dam removal.
  -  Indicates limits of bridge removal (portion) and place structural concrete, bridge, retain existing reinforcing steel as noted.
  -  Indicates limits of new polyester concrete expansion dam.
- "a" Reconstructed gap width as determined by the engineer.



**EXISTING**

NOTE:  
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

NOTE:  
Rebuild the seat side of the hinge only.



**SECTION A-A**

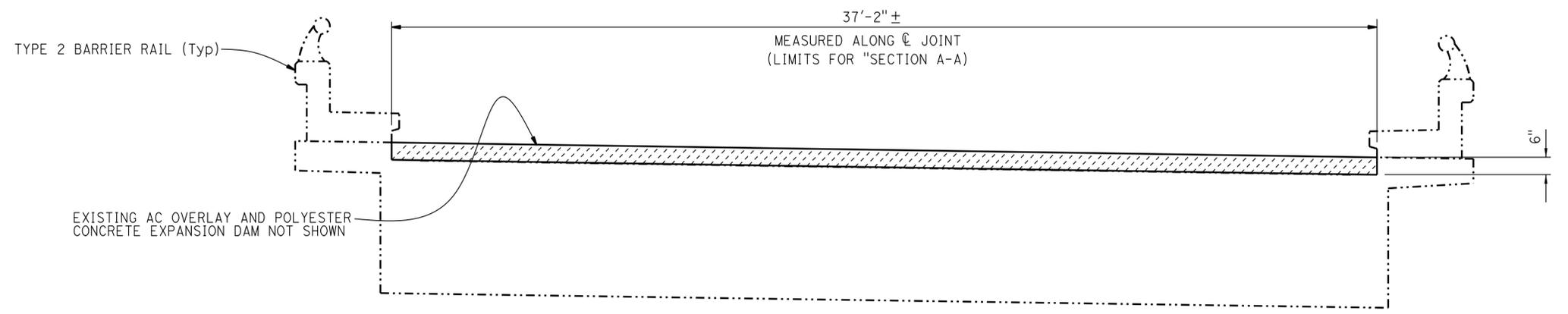
1" = 1'-0"  
(Br. No. 44-0139R)

NOTE: For limits of "SECTION A-A" see  
"TYPICAL JOINT REBUILD AT BARRIER RAIL DETAIL 1"  
on "JOINT SEAL DETAILS NO. 2" sheet.

**RECONSTRUCTION**

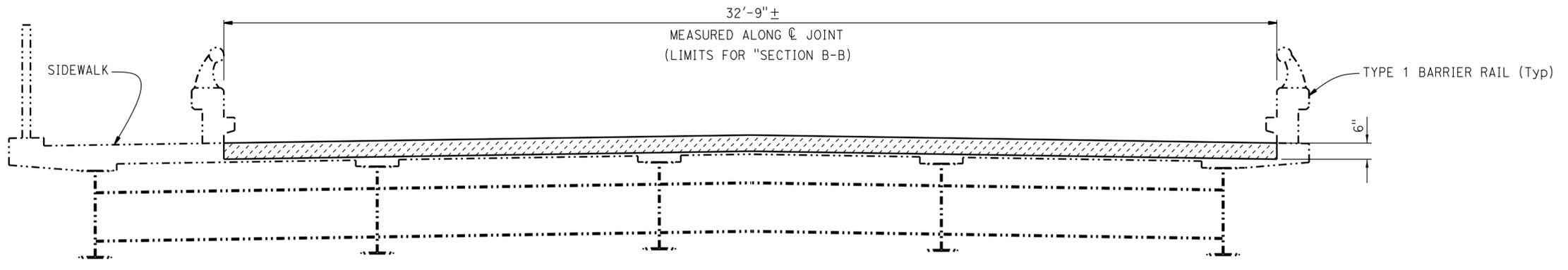
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">DESIGN</td> <td style="width: 30%;">BY T. CAMPBELL</td> <td style="width: 40%;">CHECKED Q. VO</td> </tr> <tr> <td>DETAILS</td> <td>BY N. KELLEY</td> <td>CHECKED Q. VO</td> </tr> <tr> <td>QUANTITIES</td> <td>BY T. CAMPBELL</td> <td>CHECKED Q. VO</td> </tr> </table>	DESIGN	BY T. CAMPBELL	CHECKED Q. VO	DETAILS	BY N. KELLEY	CHECKED Q. VO	QUANTITIES	BY T. CAMPBELL	CHECKED Q. VO	<p><b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION</p>	<p><b>DIVISION OF MAINTENANCE</b> STRUCTURE MAINTENANCE DESIGN</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>BRIDGE NO.</td> <td>VARIES</td> </tr> <tr> <td>POST MILE</td> <td>VARIOUS</td> </tr> </table>	BRIDGE NO.	VARIES	POST MILE	VARIOUS	<p><b>ROUTE 41 &amp; 101 BRIDGES</b> <b>JOINT SEAL DETAILS NO.1</b></p>
DESIGN	BY T. CAMPBELL	CHECKED Q. VO															
DETAILS	BY N. KELLEY	CHECKED Q. VO															
QUANTITIES	BY T. CAMPBELL	CHECKED Q. VO															
BRIDGE NO.	VARIES																
POST MILE	VARIOUS																
STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">0</td> <td style="width: 30%;">1</td> <td style="width: 30%;">2</td> <td style="width: 30%;">3</td> </tr> </table>	0	1	2	3	UNIT: 3488 PROJECT NUMBER & PHASE: 0514000141	CONTRACT NO.: 05-1G3201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">REVISION DATES</td> <td style="width: 20%;">SHEET</td> <td style="width: 20%;">OF</td> </tr> <tr> <td>3-14-15 9-23-15 5-28-15 8-31-15</td> <td style="text-align: center;">6</td> <td style="text-align: center;">8</td> </tr> </table>	REVISION DATES	SHEET	OF	3-14-15 9-23-15 5-28-15 8-31-15	6	8
0	1	2	3														
REVISION DATES	SHEET	OF															
3-14-15 9-23-15 5-28-15 8-31-15	6	8															

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon, SLO	41, 101	Var	23	24
 REGISTERED CIVIL ENGINEER			9-21-15	DATE	
12-21-15 PLANS APPROVAL DATE					
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**TYPICAL JOINT REBUILD AT  
BARRIER RAIL DETAIL 1**

(Br. No. 44-0139R)  
1/2" = 1'-0"



**TYPICAL JOINT REBUILD AT  
BARRIER RAIL DETAIL 2**

(Br. No. 49-0161)  
1/2" = 1'-0"

NOTE:  
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

- NOTES: (APPLY TO THIS SHEET ONLY)
- indicates existing.
  -  indicates limits of bridge removal (portion) and place structural concrete, bridge. retain existing reinforcing steel as noted.

**GENERAL NOTES  
LOAD FACTOR DESIGN**

(BRIDGE NUMBERS: 44-0139R AND 49-0161)

DESIGN: BRIDGE DESIGN SPECIFICATIONS (1996 AASHTO with Interims and Revisions by CALTRANS)

LIVE LOADING: HS20-44 and alternative and permit design load.

REINFORCED CONCRETE:  $f_y = 60,000$  psi  
 $f'_c = 3,600$  psi  
 $n = 8$

TEMPORARY DECK PLATE LOAD CRITERIA		
MOMENT DEMAND/FOOT (KIP-FT/FT)	BOLT SHEAR/FOOT (KIP/FT)	BOLT TENSION (KIP)
6	8	6

Notes:  
Plate thickness shall be  $\geq 7/8$ "  
Plate deflection shall not be greater than  $S/300$  (S = Span in feet)  
Maximum spacing of anchorages is 9"

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY T. CAMPBELL	CHECKED Q. VO	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIES	ROUTE 41 & 101 BRIDGES		
	DETAILS	BY N. KELLEY	CHECKED Q. VO			POST MILE			VARIOUS	JOINT SEAL DETAILS NO.2
	QUANTITIES	BY T. CAMPBELL	CHECKED Q. VO			UNIT: 3488				
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 7 OF 8				

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SLO	41, 101	Var	24	24

9-21-15  
 REGISTERED CIVIL ENGINEER DATE  
 12-21-15  
 PLANS APPROVAL DATE  
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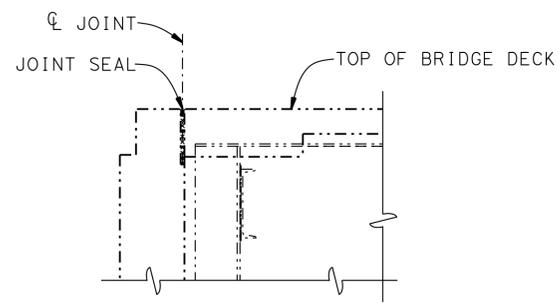
### JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION	MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)
NACIMIENTO RIVER	44-0139R	✕ HINGE SPAN 3	H 1½	44	NO	24
SAN ARDO UNDERCROSSING	44-0193L	ABUT 1	BB ½	40	NO	12
		ABUT 2	EB ½	40	NO	12
CURBARIL AVENUE OVERCROSSING	49-0161	ABUT 1	BW ½	39	NO	18
		BENT 2	EJ ½	39	NO	16
		BENT 3	EJ 1	39	NO	16
		BENT 4	EJ 1	39	NO	16
		ABUT 5	BW ½	39	NO	18

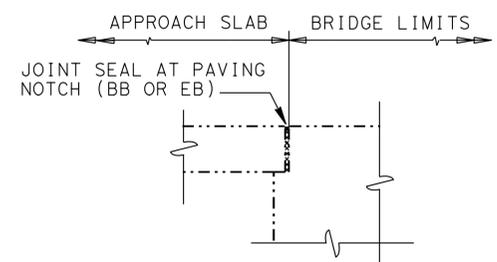
- The following notes apply to JOINT SEAL TYPE B:
- Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
  - Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.
  - W1 shall be the smaller of the values determined as follows:
    - 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
    - The width of the seal on the third successive test cycle of the pressure deflection test, when compressed to an average pressure of 3 psi.
  - Bend Type B joint seal 6" 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 B6-21

**LEGEND:**

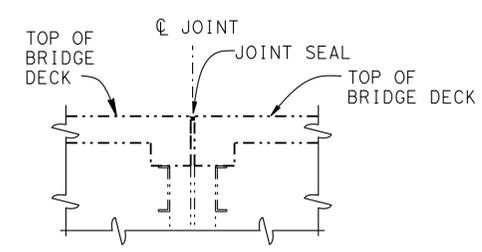
- BW - ABUTMENT BACKWALL JOINT
- BB - PAVING NOTCH AT BEGINNING OF BRIDGE
- EB - PAVING NOTCH AT END OF BRIDGE
- EJ - EXPANSION JOINT AT PIER, BENT
- H - HINGE JOINT
- ✕ - USE BONDED JOINT SEAL.



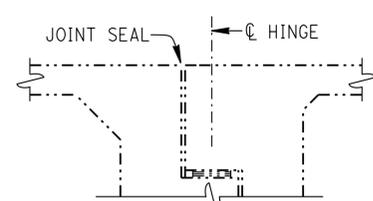
**ABUTMENT WITH BACKWALL**



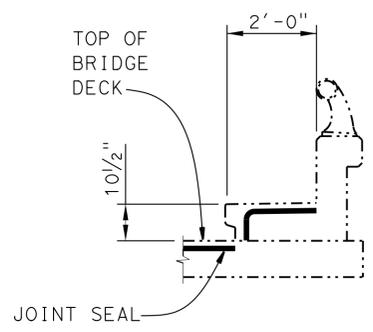
**DIAPHRAGM ABUTMENT**



**BENT OR PIER**

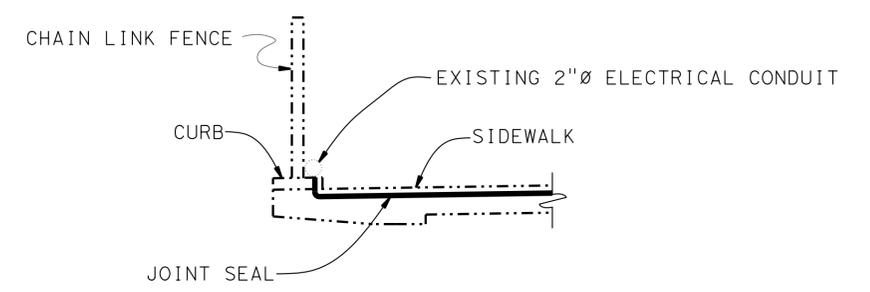


**HINGE**



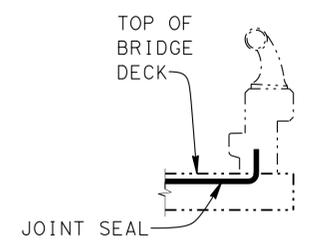
**BARRIER RAIL JOINT SEAL AT SIDEWALK DETAIL 1**

Br. No. 44-0139R



**BARRIER RAIL JOINT SEAL AT SIDEWALK DETAIL 2**

Br. No. 49-0161



**BARRIER RAIL JOINT SEAL AT LOW SIDE OF DECK**

Notes: Details shown for illustration purposes only. For use only where deck joint matches the sidewalk, curb or barrier rail joint.

**JOINT SEAL LOCATION**

NOTE: THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN	BY T. CAMPBELL	CHECKED Q. VO
DETAILS	BY N. KELLEY	CHECKED Q. VO
QUANTITIES	BY T. CAMPBELL	CHECKED Q. VO

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIES
POST MILE	VARIOUS

ROUTE 41 & 101 BRIDGES  
JOINT SEAL DETAILS NO.3