INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION DETAILS AND SUMMARY OF QUANTITIES
3-4	CONSTRUCTION AREA SIGNS
5	PAVEMENT DELINEATION QUANTITIES
6-9	TRAFFIC CONTROL SYSTEM
10-11	REVISED STANDARD PLANS
	STRUCTURE PLANS
12-19	GENERAL PLANS
20-21	JOINT SEAL DETAILS

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

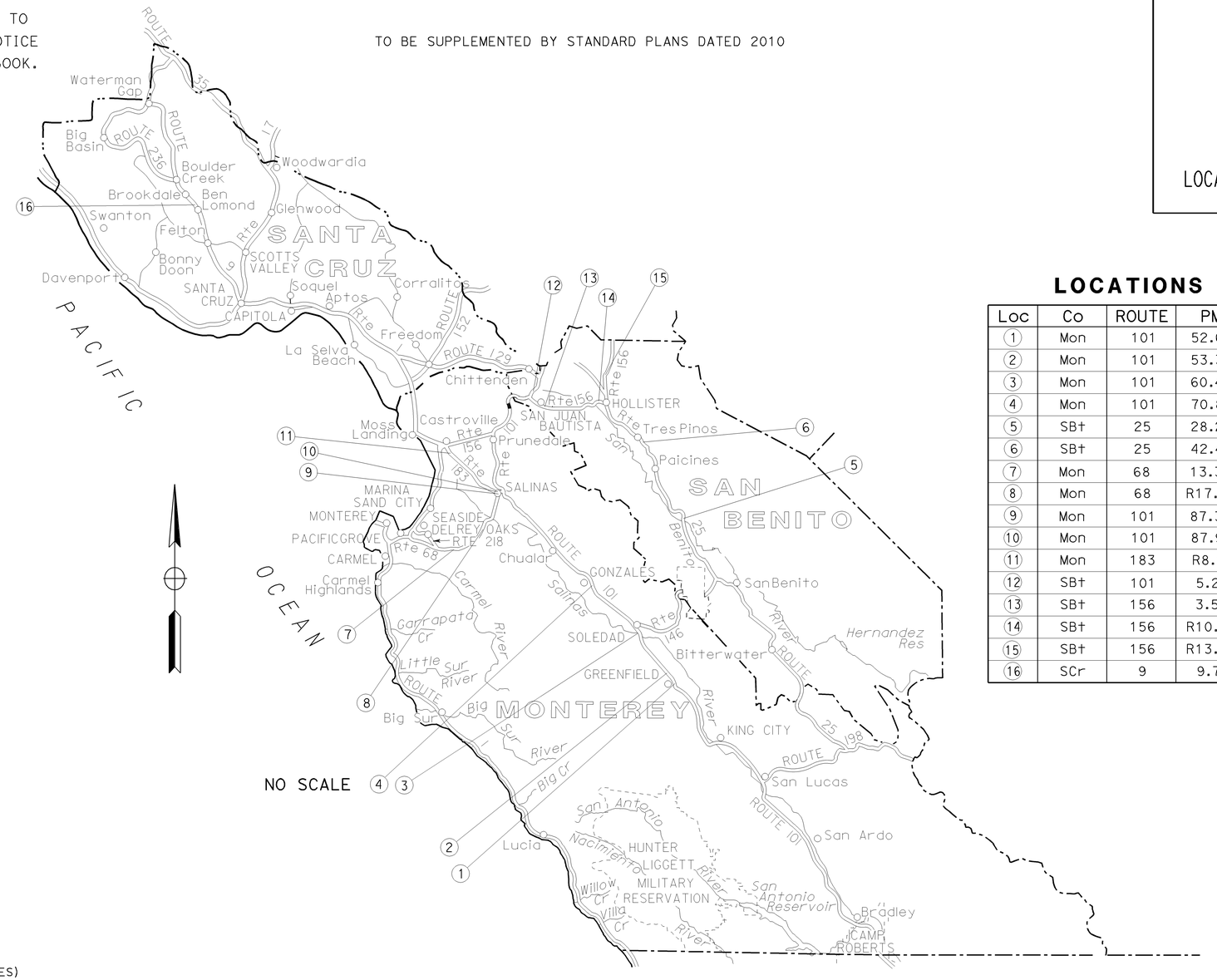
PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN MONTEREY, SAN BENITO AND SANTA CRUZ COUNTIES AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SBt, SCr	9,25,68, 101,156,183	Var	1	21

LOCATION MAP



LOCATIONS OF CONSTRUCTION

Loc	Co	ROUTE	PM	NAME OF BRIDGE	BRIDGE No.
1	Mon	101	52.66	SOUTH GREENFIELD OC	44-0133
2	Mon	101	53.36	OAK Ave OC	44-0134
3	Mon	101	60.40	ARROYO SECO ROAD OC	44-0115
4	Mon	101	70.86	FIFTH St OC	44-0089
5	SBt	25	28.23	WILLOW CREEK	43-0014
6	SBt	25	42.42	TRES PINOS CREEK	43-0017
7	Mon	68	13.30	EL TORO CREEK	44-0264
8	Mon	68	R17.19	RESERVATION ROAD UC	44-0079L
9	Mon	101	87.30	EAST MARKET St UC	44-0093R
10	Mon	101	87.97	SHERWOOD Dr OC	44-0094
11	Mon	183	R8.11	TEMBLADERO SLOUGH	44-0024
12	SBt	101	5.21	SAN BENITO RIVER	43-0004L/R
13	SBt	156	3.56	SAN JUAN CREEK	43-0029
14	SBt	156	R10.47	HUDNER OH	43-0046
15	SBt	156	R13.43	SANTA ANA CREEK	43-0045
16	SCr	9	9.71	SAN LORENZO RIVER	36-0049

PROJECT MANAGER: KELLY J.McCLAIN

DESIGN ENGINEER: KELLY J.McCLAIN

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

11-13-12
PROJECT ENGINEER — DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER — K.L.McKINLEY — No. 49413 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

November 13, 2012
PLANS APPROVAL DATE

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

CONTRACT No.	05-1A8004
PROJECT ID	0512000024

LAST REVISION => 11-13-12
DATE PLOTTED => 11-DEC-2012
TIME PLOTTED => 10:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon SBt SCr	9 25 68 101 156 183	Var	2	21

11-13-12
REGISTERED CIVIL ENGINEER DATE

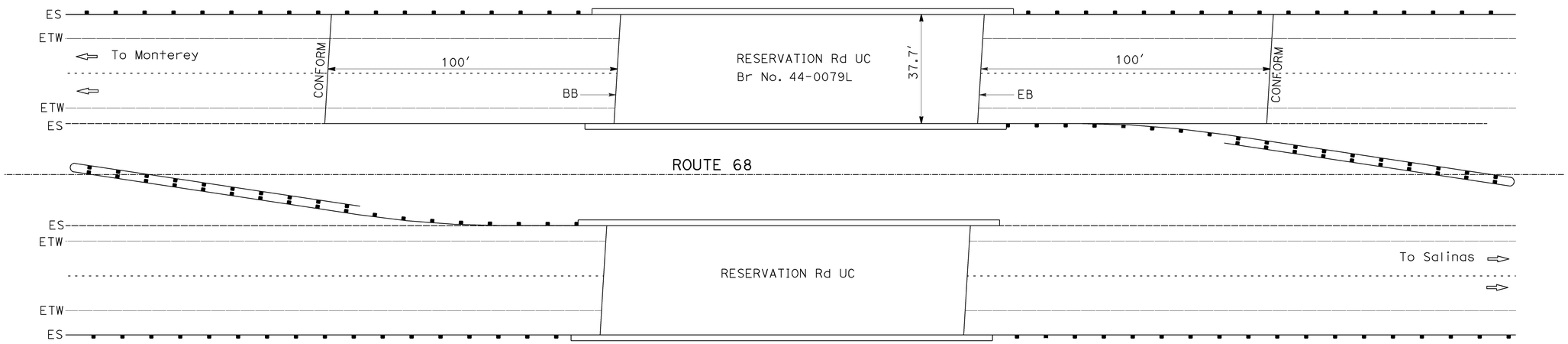
11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
K.L.McKINLEY
No. 49413
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

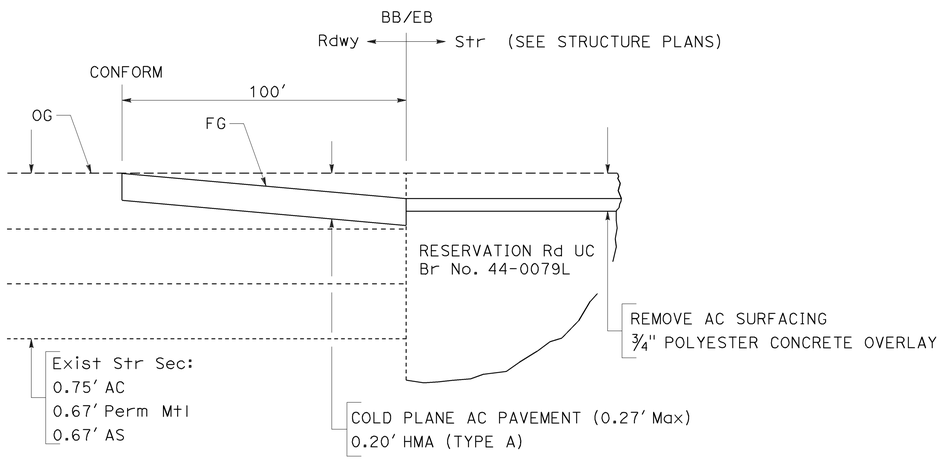
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PAVEMENT STRUCTURE QUANTITIES

COLD PLANE ASPHALT CONCRETE PAVEMENT	HOT MIX ASPHALT (TYPE A)	TACK COAT	COMMENTS
SQYD	TON	TON	
838	113	0.2	PAVEMENT TRANSITION TAPERS



PLAN



ELEVATION

PAVEMENT TRANSITION TAPER DETAIL

RESERVATION ROAD UC Br No. 44-0079L
(LOCATION 8)

CONSTRUCTION DETAILS AND SUMMARY OF QUANTITIES

NO SCALE **C-1**

REVISED BY | DATE REVISED
KELLY L. McKINLEY | KELLY J. McCLAIN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | KELLY J. McCLAIN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

LAST REVISION | DATE PLOTTED => 11-DEC-2012
11-13-12 | TIME PLOTTED => 10:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SB†, SCr	9,25,68, 101,156,183	Var	3	21

REGISTERED CIVIL ENGINEER — 11-13-12 DATE

K.L.McKINLEY No. 49413 Exp. 9-30-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

11-13-12
PLANS APPROVAL DATE

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

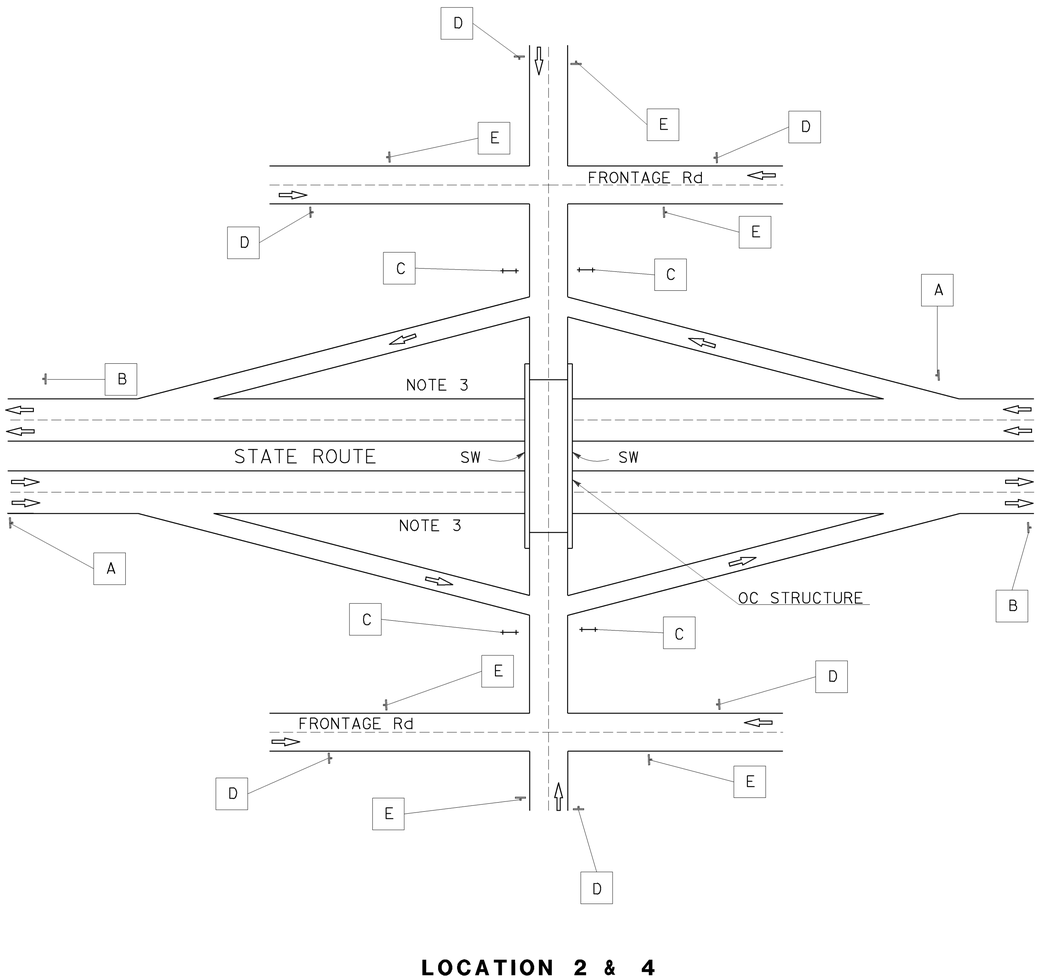
NOTES:

1. EXACT LOCATION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
3. SPECIAL SIGN "C" TO BE USED WHEN EXISTING STRUCTURE HAS SIDEWALKS. ONLY CLOSE ONE SIDEWALK AT A TIME TO PEDESTRIANS

LEGEND:

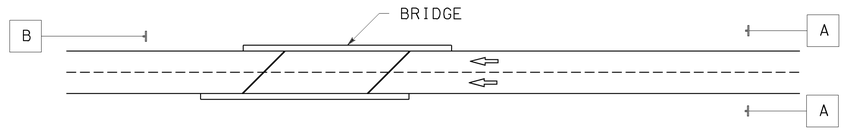
CONSTRUCTION AREA SIGN

TYPE II BARRICADE



LOCATION 2 & 4

Loc	Co	ROUTE	PM	NAME OF BRIDGE	BRIDGE No.	No. OF SIGNS A	B	C	D	E
2	Mon	101	53.36	OAK Ave OC	44-0134	2	2	4	6	6
4	Mon	101	70.86	FIFTH St OC	44-0089	2	2	4	4	4
SUBTOTAL						4	4	8	10	10

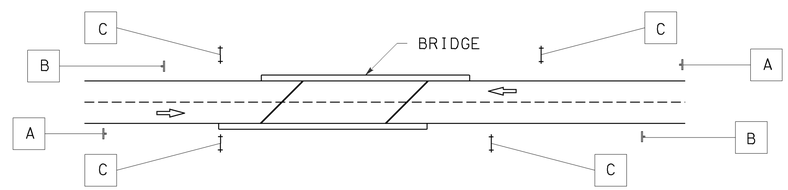


LOCATION 8, 9 & 12

Loc	Co	ROUTE	PM	NAME OF BRIDGE	BRIDGE No.	No. OF SIGNS A	B
8	Mon	68	R17.19	RESERVATION Rd UC	44-0079L	2	1
9	Mon	101	87.30	EAST MARKET St UC	44-0093R	2	1
12	SB†	101	5.21	SAN BENITO RIVER	43-0004R/L	4	2
SUBTOTAL						8	4

CONSTRUCTION AREA SIGNS (SUMMARY)

SIGN No. X	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	NUMBER OF SIGNS	COMMENTS
A	W20-1		48" x 48"	ROAD WORK AHEAD	1 - 4" x 6"	36	STATIONARY MOUNTED
B	G20-2		48" x 24"	END ROAD WORK	1 - 4" x 6"	31	STATIONARY MOUNTED
C	R9-10		24" x 24"	SIDEWALK CLOSED USE OTHER SIDE	--	12	BARRICADE MOUNTED
D	W20-1		30" x 30"	ROAD WORK AHEAD	1 - 4" x 4"	10	STATIONARY MOUNTED
E	G20-2		48" x 24"	END ROAD WORK	1 - 4" x 4"	10	STATIONARY MOUNTED



LOCATION 5, 6, 7, 10, 11, 13, 14 15 & 16

Loc	Co	ROUTE	PM	NAME OF BRIDGE	BRIDGE No.	No. OF SIGNS A	B	C
5	SB†	25	28.23	WILLOW CREEK	43-0014	2	2	
6	SB†	25	42.42	TRES PINOS CREEK	43-0017	2	2	
7	Mon	68	13.30	EL TORO CREEK	44-0264	2	2	
10	Mon	101	87.97	SHERWOOD Dr OC	44-0094	2	2	4
11	Mon	183	R8.11	TEMBLADERO SLOUGH	44-0024	2	2	
13	SB†	156	3.56	SAN JUAN CREEK	43-0029	2	2	
14	SB†	156	R10.47	HUDNER OC	43-0046	2	2	
15	SB†	156	R13.43	SANTA ANA CREEK	43-0045	2	2	
16	SCr	9	9.71	SAN LORENZO RIVER	36-0049	2	2	
SUBTOTAL						18	18	4

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

NO SCALE

CONSTRUCTION AREA SIGNS
CS-1

REVISED BY | DATE REVISED

KELLY L.McKINLEY | KELLY J.McCLAIN

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: KELLY J.McCLAIN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

LAST REVISION => DATE PLOTTED => 11-DEC-2012
11-13-12 TIME PLOTTED => 10:13

BORDER LAST REVISED 7/2/2010 | USERNAME => s109144 | DGN FILE => 05120000241a001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1251 | PROJECT NUMBER & PHASE | 05120000241

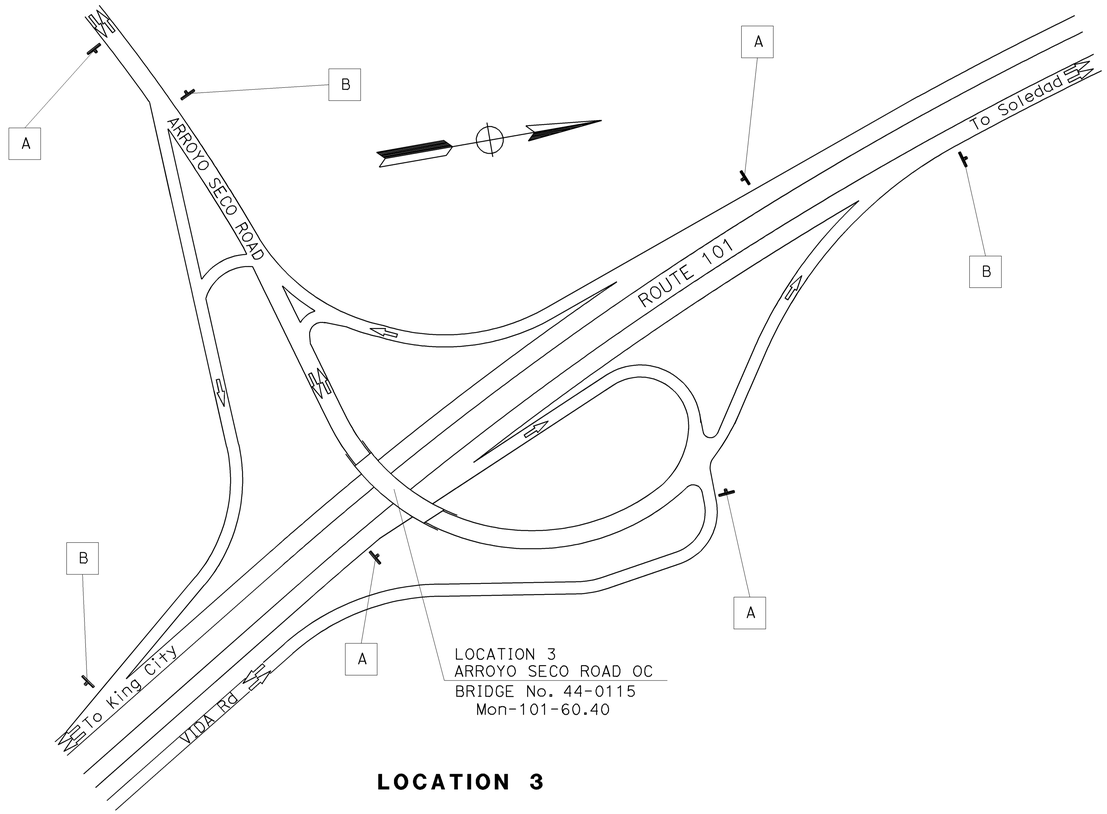
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SBt, SCr	9,25,68, 101,156,183	Var	4	21

11-13-12
REGISTERED CIVIL ENGINEER DATE

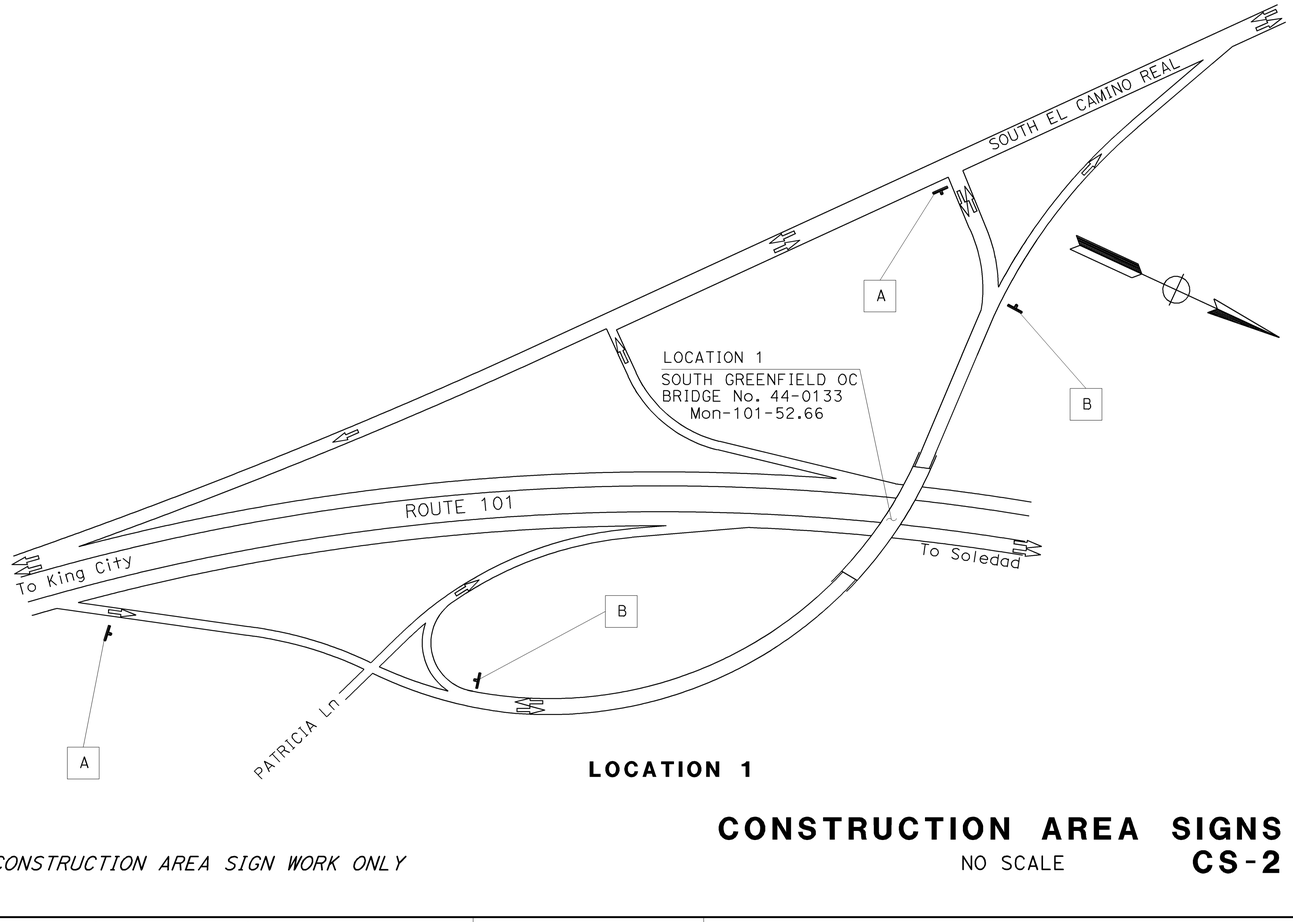
11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
K.L.McKINLEY
No. 49413
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.



LOCATION 3



LOCATION 1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE **CS-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

CALCULATED-DESIGNED BY: KELLY L.McKINLEY
CHECKED BY: KELLY J.McCLAIN
FUNCTIONAL SUPERVISOR: KELLY J.McCLAIN
REVISED BY / DATE REVISED

LAST REVISION DATE PLOTTED => 11-DEC-2012
11-13-12 TIME PLOTTED => 10:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SBt, SCr	9,25,68, 101,156,183	Var	5	21

REGISTERED CIVIL ENGINEER — 11-13-12 DATE

11-13-12
PLANS APPROVAL DATE

K.L.McKINLEY No. 49413 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.

REMOVE PAVEMENT DELINEATION

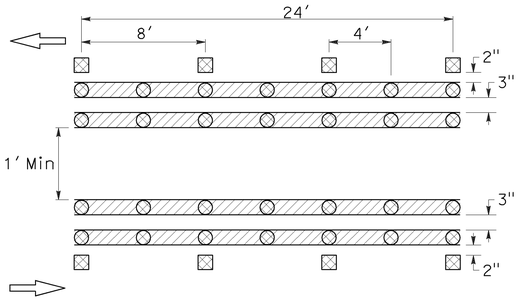
Loc	Co ROUTE PM	NAME OF BRIDGE	BRIDGE No.	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE PAVEMENT MARKER (N)	REMOVE THERMOPLASTIC PAVEMENT MARKING
				LF	LF	EA	SQFT
①	Mon-101-52.66	SOUTH GREENFIELD OC	44-0133	484	484	22	
②	Mon-101-53.36	OAK Ave OC	44-0134	386			
③	Mon-101-60.40	ARROYO SECO Rd OC	44-0115	460	430	20	
④	Mon-101-R75.74	FIFTH St OC	44-0089	382	646		176
⑤	SBt-25-28.23	WILLOW CREEK	43-0014	134	201**	8	
⑥	SBT-25-42.42	TRES PINOS CREEK	43-0017	328	508	23	
⑦*	Mon-68-13.30	EL TORO CREEK	44-0264				
⑧	Mon-68-R17.19	RESERVATION Rd UC	44-0079L	126	158	20	
⑨	Mon-101-87.30	EAST MARKET St UC	44-0093R	182	228	25	
⑩	Mon-101-87.97	SHERWOOD Dr OC	44-0094	1,096	604	92	
⑪	Mon-183-R8.11	TEMBLADERO SLOUGH	44-0024	25	200	4	
⑫	SBt-101-5.21	SAN BENITO RIVER	43-0004L	710	888	106	
⑫	SBt-101-5.21	SAN BENITO RIVER	43-0004R	722	903	107	
⑬	SBt-156-3.56	SAN JUAN CREEK	43-0029	150	150	70	
⑭	Mon-183-R8.11	HUDNER OH	43-0046	320	480**	148	
⑮	SBt-156-R13.43	SANTA ANA CREEK	43-0045	632	316	148	
⑯	SCr-9-9.71	SAN LORENZO RIVER	36-0049	346	519**	16	
TOTAL				6,483	6,715		176

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
* - NO DELINEATION WORK AT THIS LOCATION
** - INCLUDES BLACK STRIPE REMOVAL

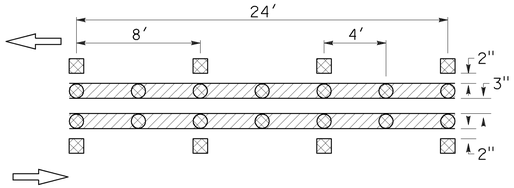
LEGEND:

- TYPE AY YELLOW NON-REFLECTIVE PAVEMENT MARKER
- TYPE D TWO-WAY YELLOW RETROFLECTIVE PAVEMENT MARKER
- 4" YELLOW THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)

SWP SYMBOL WITH PERSON



DETAIL 29 MODIFIED



DETAIL 23 MODIFIED

PAVEMENT DELINEATION DETAILS

NO SCALE

PAVEMENT DELINEATION

Loc	Co ROUTE PM	NAME OF BRIDGE	BRIDGE No.	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW DETAIL 6	16	21	22	23mod	24	25	29	29mod	WHITE DETAIL 9	11	27B	38A	TRAFFIC STRIPE (MARKERS ONLY) (N) DETAIL 13	PAVEMENT MARKER (NON-REFLECTIVE) DETAILS 13,23mod,29mod TYPE A	TYPE AY	(RETROREFLECTIVE) DETAILS 6,9,13,16,22,25 TYPE D	TYPE G	TYPE H	THERMOPLASTIC PAVEMENT MARKING ARROWS TYPE IV (L)	BIKE LANE ARROW	SWP	WORDS & CROSSWALKS STOP	LIMIT LINE
				LF													LF	EA					SQFT					
①	Mon-101-52.66	SOUTH GREENFIELD OC	44-0133				242								484					22								
②	Mon-101-53.36	OAK Ave OC	44-0134			193																					
③	Mon-101-60.40	ARROYO SECO Rd OC	44-0115				215								430					20							
④	Mon-101-R75.74	FIFTH St OC	44-0089			191									382	132							60	14	14	88	48
⑤	SBt-25-28.23	WILLOW CREEK	43-0014				67								134					8							
⑥	SBT-25-42.42	TRES PINOS CREEK	43-0017		254										508					6		17					
⑦*	Mon-68-13.30	EL TORO CREEK	44-0264																								
⑧	Mon-68-R17.19	RESERVATION Rd UC	44-0079L							326				326	326		326	28			8	8					
⑨	Mon-101-87.30	EAST MARKET St UC	44-0093R							182				182	182		182	16			5	9					
⑩	Mon-101-87.97	SHERWOOD Dr OC	44-0094						80		468		468		468					22	12						
⑪	Mon-183-R8.11	TEMBLADERO SLOUGH	44-0024	100											200					4							
⑫	SBt-101-5.21	SAN BENITO RIVER	43-0004L							710				710	710		710	60			16	31					
⑫	SBt-101-5.21	SAN BENITO RIVER	43-0004R							722				722	722		722	60			16	31					
⑬	SBt-156-3.56	SAN JUAN CREEK	43-0029					75							150				38	20							
⑭	Mon-183-R8.11	HUDNER OH	43-0046					160							320				82	42							
⑮	SBt-156-R13.43	SANTA ANA CREEK	43-0045									316			316				162	42							
⑯	SCr-9-9.71	SAN LORENZO RIVER	36-0049				173								346					16							
SUBTOTAL				100	254	384	697	235	80	1,940	468	316	468	1,940	5,678	132		164	282	202	57	96	60	14	14	88	48
TOTAL				12,692														446		355			224				

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
* - NO DELINEATION WORK AT THIS LOCATION

PAVEMENT DELINEATION QUANTITIES AND DETAILS PDQ-1

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

REVISED BY: KELLY L.McKINLEY
DATE REVISED:
CALCULATED-DESIGNED BY: KELLY J.McCLAIN
CHECKED BY:
FUNCTIONAL SUPERVISOR: KELLY J.McCLAIN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

LAST REVISION: DATE PLOTTED => 11-DEC-2012
11-13-12 TIME PLOTTED => 10:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SBt, SCr	9,25,68 101,156,183	Var	6	21

REGISTERED CIVIL ENGINEER — 12-7-12 DATE

11-13-12
PLANS APPROVAL DATE

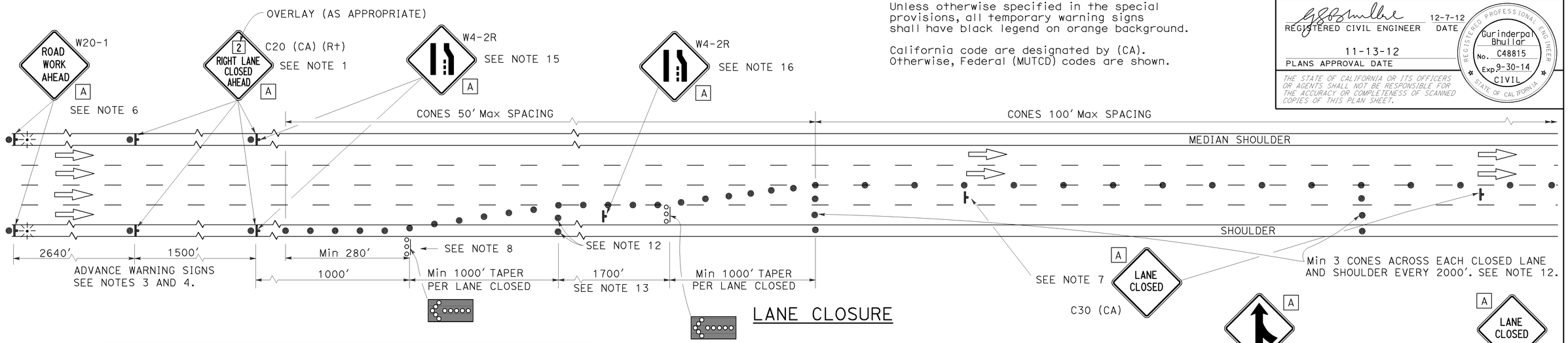
Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

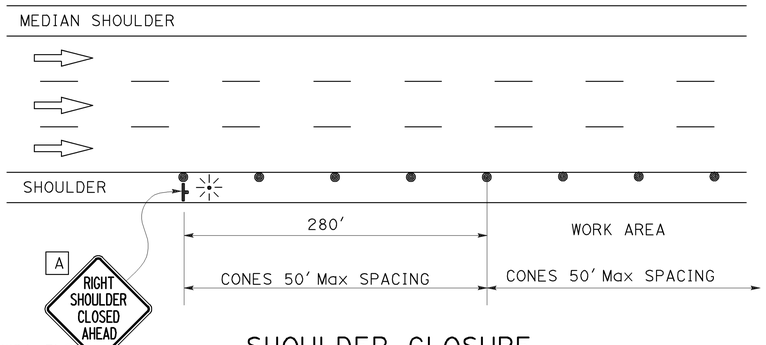
NOTES:

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

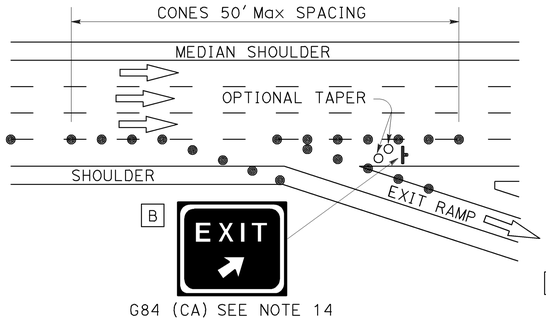
California code are designated by (CA).
Otherwise, Federal (MUTCD) codes are shown.



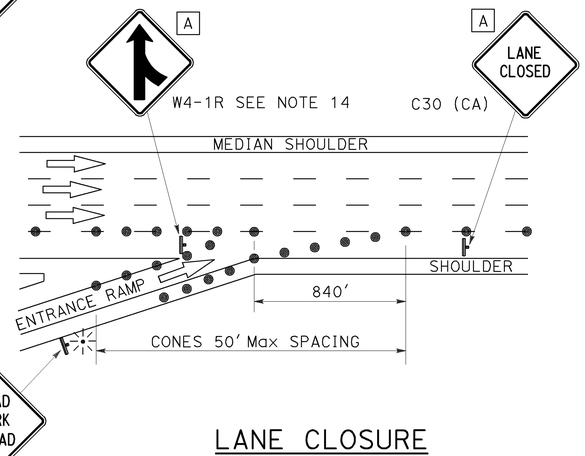
LANE CLOSURE



SHOULDER CLOSURE



LANE CLOSURE AT EXIT RAMP



LANE CLOSURE AT ENTRANCE RAMP

NOTES:

1. Median lane closures shall conform to the details for outside lane closures except that C20 (CA) (Lt) 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 C14 (CA) "END ROAD WORK" sign, 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.
6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "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 first flashing arrow sign shall be Type I. All others may be either Type I or Type II.
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 1700' tangent shown along lane lines shall be used between the 1000' tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the G84 (CA) and W4-1 signs shall be used as shown.
15. When specified in the special provisions, a W4-2 "LANE ENDS" symbol sign is to be used in place of the C20 (CA) "RIGHT LANE CLOSED AHEAD" sign.
16. The W4-2 "LANE ENDS" symbol sign shown at this location is to be used where the W4-2 sign is used as advance warning as described in Note 15.

SIGN PANEL SIZE (Min)

A	48" × 48"
B	54" × 48"

LEGEND

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

TCS-1

REVISED BY — KELLY L.McKINLEY
DATE REVISED
CALCULATED-DESIGNED BY — KELLY J.McCLAIN
CHECKED BY
FUNCTIONAL SUPERVISOR — KELLY J.McCLAIN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

LAST REVISION — DATE PLOTTED => 10-DEC-2012
12-11-12 — TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SBt, SCr	9,25,68 101,156,183	Var	7	21

REGISTERED CIVIL ENGINEER — 12-7-12 DATE

11-13-12
PLANS APPROVAL DATE

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

TYPICAL LANE CLOSURE

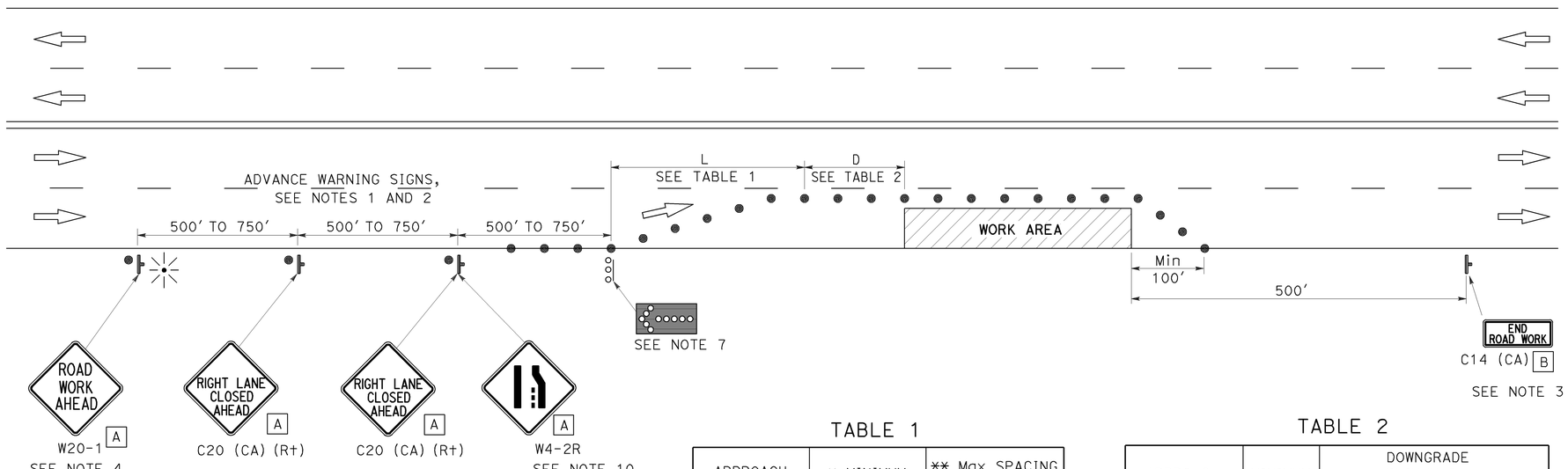


TABLE 1

APPROACH SPEED	* MINIMUM L	** Max SPACING OF CONES ALONG TAPER
mph	ft	ft
20 AND BELOW	80	20
25	125	25
30	180	30
35	245	35
40	320	40
45	540	45
50	600	50
Over 50	SEE NOTE 9	

* USE L FOR LANE WIDTHS LESS THAN OR EQUAL TO 12′.
** SEE NOTE 8.

TABLE 2

APPROACH SPEED	MINIMUM D	DOWNGRADE MINIMUM D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 AND BELOW	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
OVER 50	SEE NOTE 9			

* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

NOTES:

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

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

LEGEND

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

SIGN PANEL SIZE (Min)

- A 36" × 36"
- B 36" × 18"

NOTES:

1. Where approach speeds are low, advance warning signs may be placed at 300′ spacing and placed closer in urban areas.
2. Each advance warning 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. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A C14 (CA) "END ROAD WORK" sign, 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.
4. If the W20-1 sign would follow within 2000′ of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____ MILES", use a C20 (CA) sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Flashing arrow sign shall be either Type I or Type II.
8. The maximum spacing between cones along a tangent shall be 50′ and along a taper shall be approximately as shown in Table 1.
9. For approach speeds over 50 mph, use the "Traffic Control System for Lane Closure On Freeways And Expressways" plan for lane closure details and requirements.
10. When specified in the special provisions, a W4-2 "LANE ENDS" symbol sign is to be used in place of the C20 (CA) "RIGHT LANE CLOSED AHEAD" sign.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

TCS-2

DATE PLOTTED => 10-DEC-2012
TIME PLOTTED => 09:45
LAST REVISION 12-11-12

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SBt, SCr	9,25,68 101,156,183	Var	8	21

REGISTERED CIVIL ENGINEER — 12-7-12 DATE

11-13-12
PLANS APPROVAL DATE

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

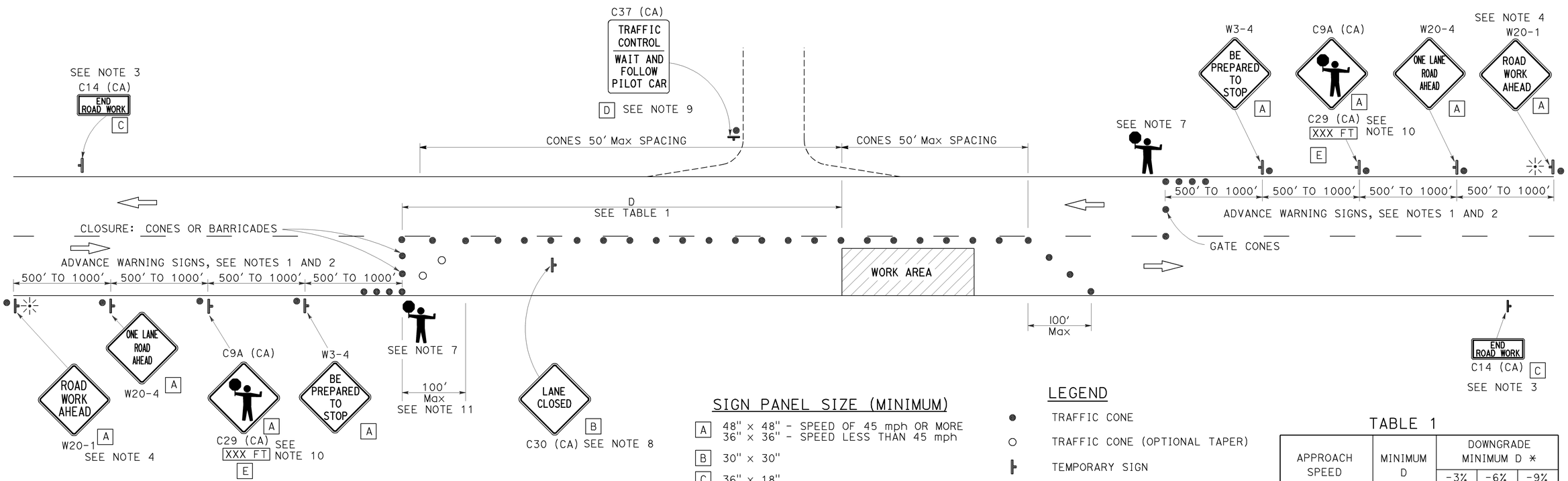
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

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

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

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



SIGN PANEL SIZE (MINIMUM)

- A — 48" x 48" - SPEED OF 45 mph OR MORE; 36" x 36" - SPEED LESS THAN 45 mph
- B — 30" x 30"
- C — 36" x 18"
- D — 36" x 42"
- E — 36" x 9"

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY SIGN
- PORTABLE FLASHING BEACON
- FLAGGER

TABLE 1

APPROACH SPEED	MINIMUM D	DOWNGRADE MINIMUM D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 AND BELOW	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

* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

NOTES:

1. Where approach speeds are low, advance warning signs may be placed at 300' spacing, and closer in urban areas.
2. 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.
3. A C14 (CA) "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.
4. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____MILES", use a W20-4 sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. 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.
8. 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.
9. When a pilot car is used, place a C37 (CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign at all intersections within traffic control area. Signs shall be clean and visible at all times.
10. An optional C29 (CA) sign may be placed below the C9A (CA) sign.
11. Traffic cones or barricades may be placed on the optional taper as shown, barricades shall be Type I, II, or III.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

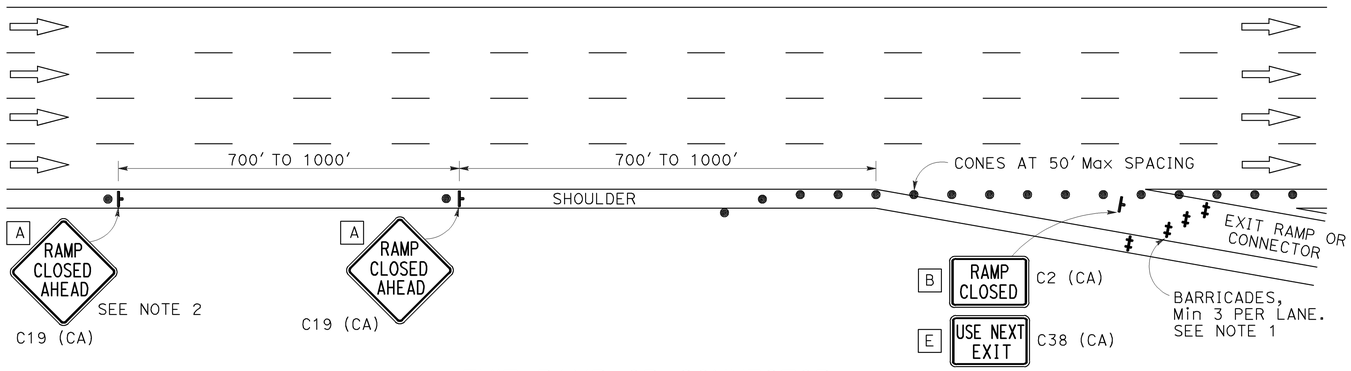
TCS-3

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

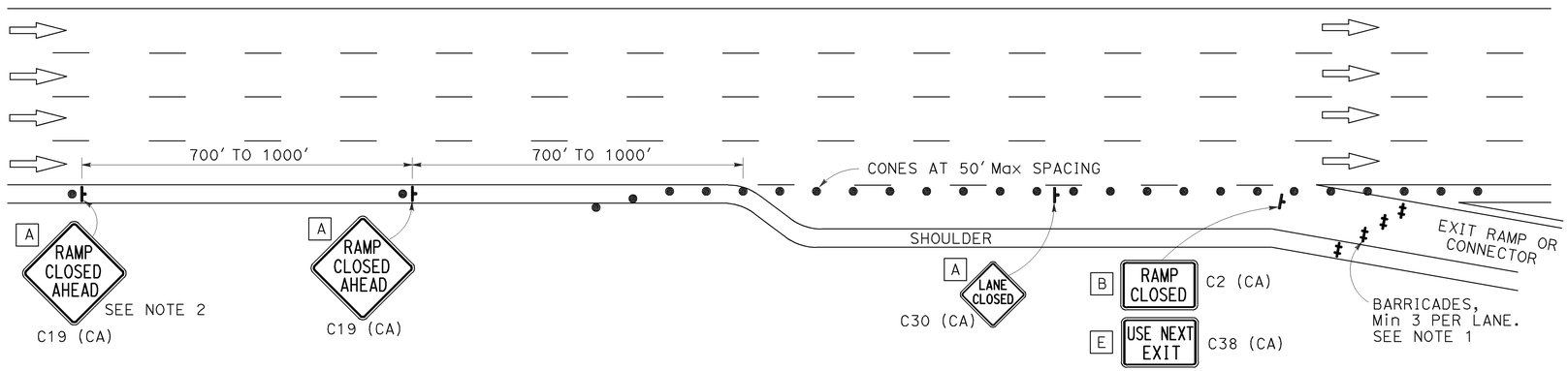
LAST REVISION: DATE PLOTTED => 10-DEC-2012
12-11-12 TIME PLOTTED => 09:45

BORDER LAST REVISED 7/2/2010
USERNAME => s114640
DGN FILE => 0512000024uj003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1251
PROJECT NUMBER & PHASE 05120000241

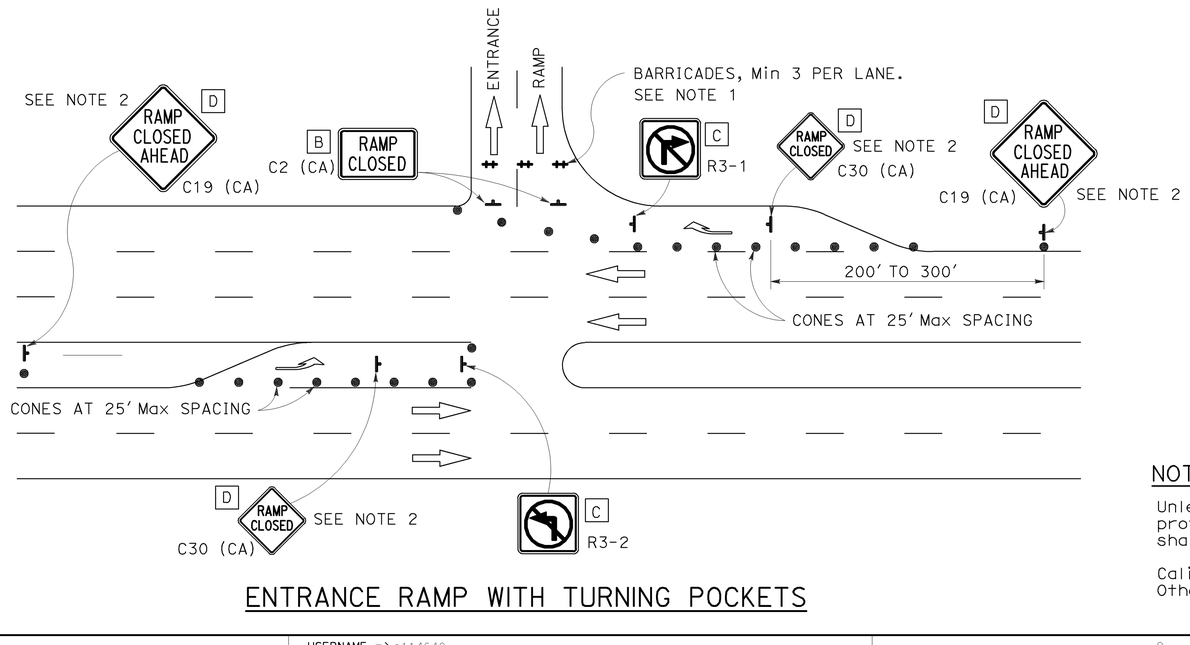
TYPICAL RAMP CLOSURES



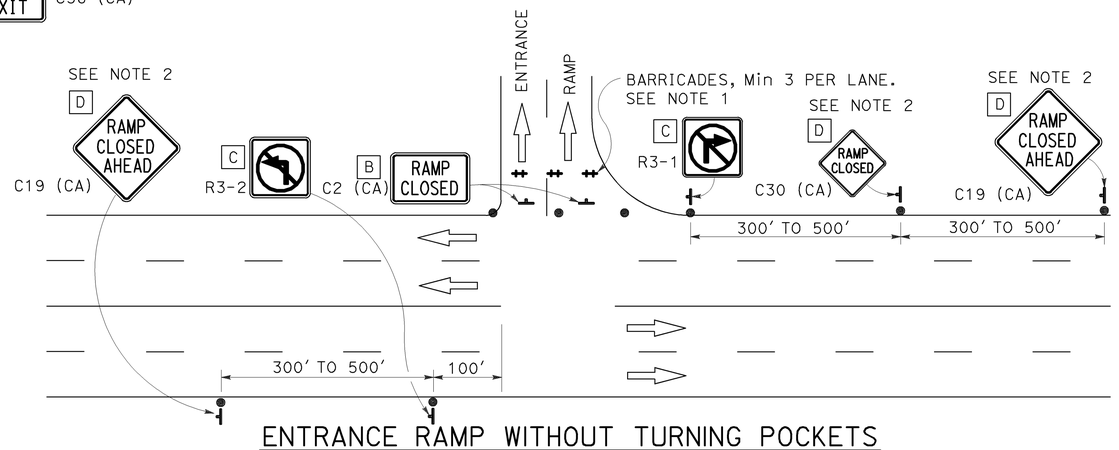
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 30"
- C 30" x 30"
- D 48" x 48" - SPEED OF 50 mph OR MORE
  36" x 36" - SPEED LESS THAN 50 mph
- E 48" x 36"

LEGEND

- TRAFFIC CONE
- TEMPORARY SIGN
- BARRICADES

NOTES:

1. 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.
2. 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.
3. 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.
4. All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
5. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
6. At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
7. The existing "EXIT" sign in the gore area shall be covered during ramp closures.

NOTES:

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

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SBt, SCr	9,25,68 101,156,183	Var	9	21

REGISTERED CIVIL ENGINEER — 12-7-12 DATE

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

11-13-12
PLANS APPROVAL DATE

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURE

NO SCALE

TCS-4

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: KELLY L.McKINLEY
CHECKED BY: KELLY J.McCLAIN
FUNCTIONAL SUPERVISOR: KELLY J.McCLAIN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

LAST REVISION — DATE PLOTTED => 10-DEC-2012 — TIME PLOTTED => 09:45
12-11-12

BORDER LAST REVISED 7/2/2010 | USERNAME => s114640 | DGN FILE =>0512000024uj004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1251 | PROJECT NUMBER & PHASE 05120000241

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SBt, SCr	9,25,68 101,156,183	Var	10	21

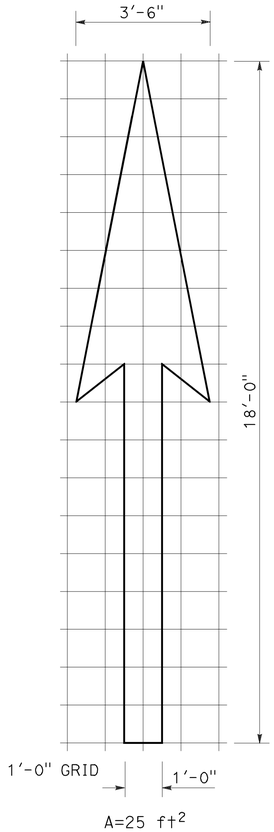
REGISTERED CIVIL ENGINEER

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

April 20, 2012
PLANS APPROVAL DATE

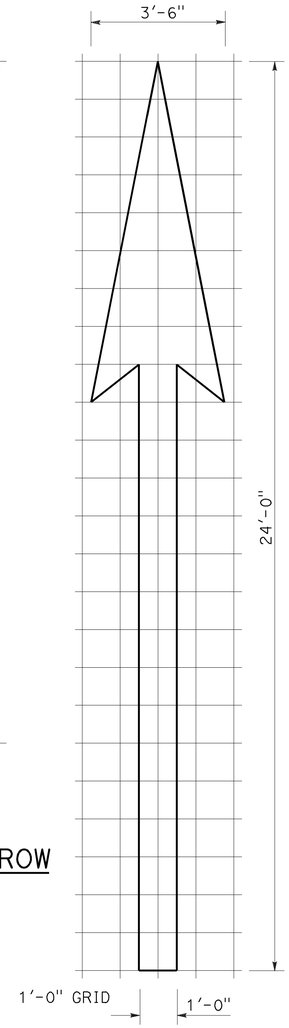
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 11-13-12



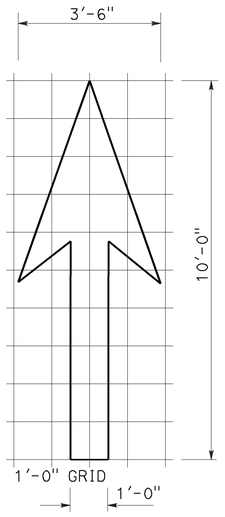
A=25 ft²

TYPE I 18'-0" ARROW



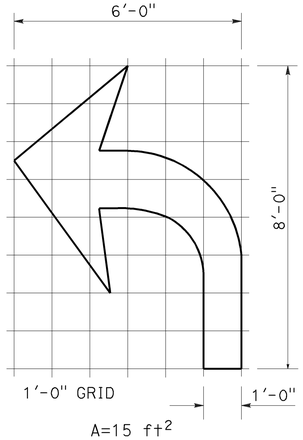
A=31 ft²

TYPE I 24'-0" ARROW



A=14 ft²

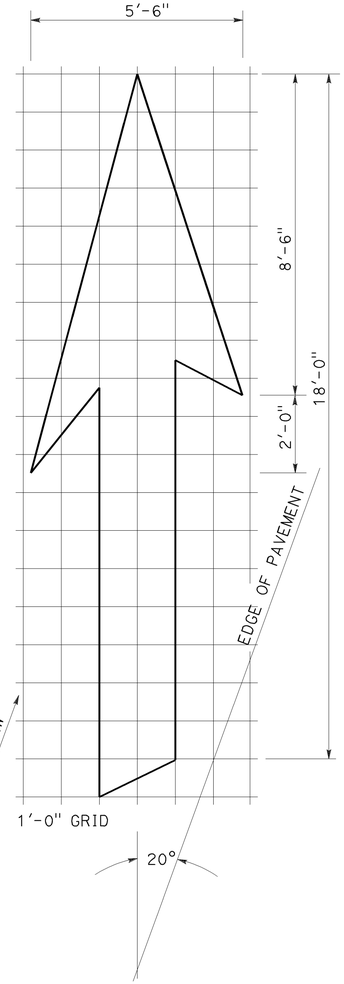
TYPE I 10'-0" ARROW



A=15 ft²

TYPE IV (L) ARROW

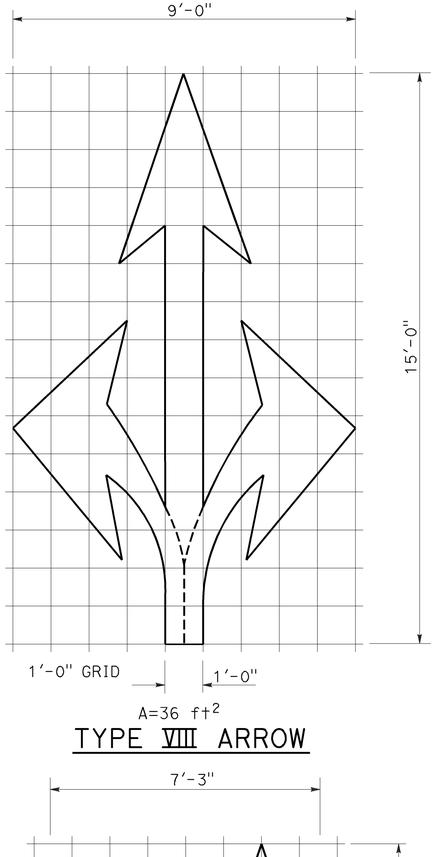
(For Type IV (R) arrow, use mirror image)



A=42 ft²

TYPE VI ARROW

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

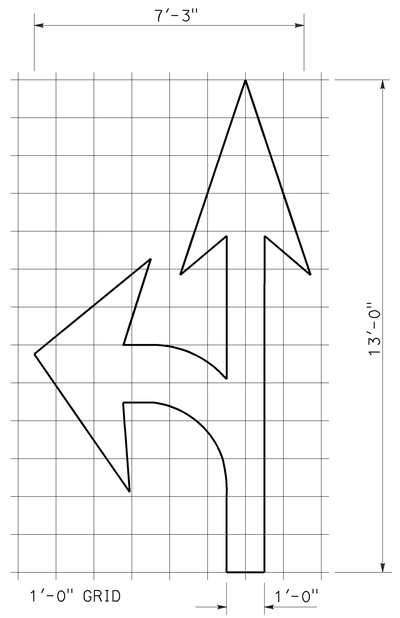


A=36 ft²

TYPE VIII ARROW

A=3.5 ft²

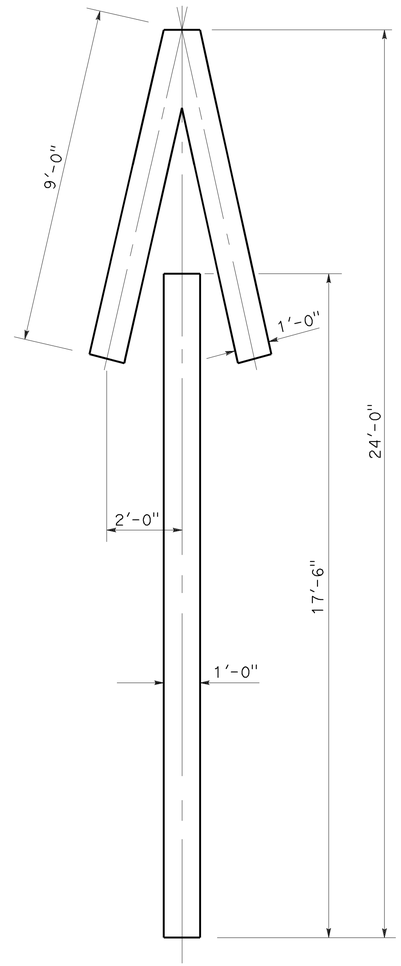
BIKE LANE ARROW



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

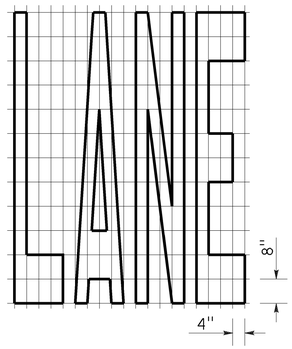
NO SCALE

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

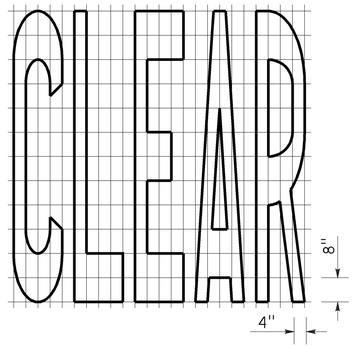
REVISED STANDARD PLAN RSP A24A

2010 REVISED STANDARD PLAN RSP A24A

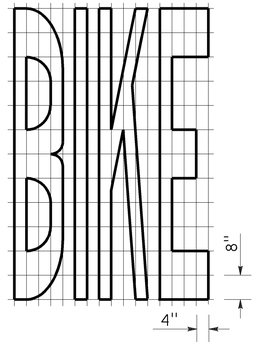
3-14-12



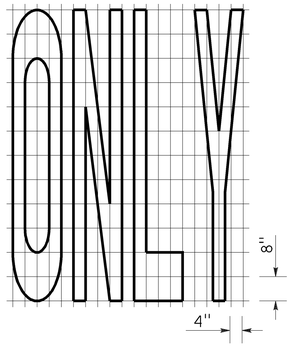
A=24 ft²



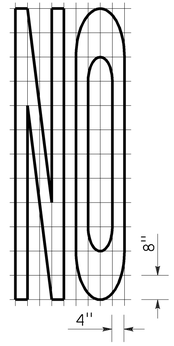
A=27 ft²



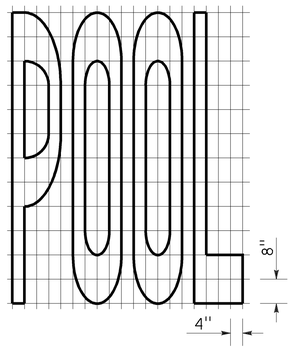
A=21 ft²



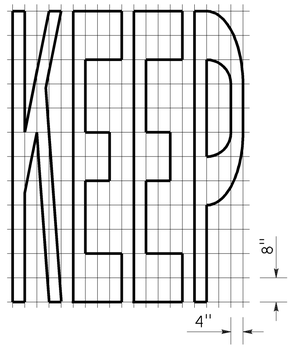
A=22 ft²



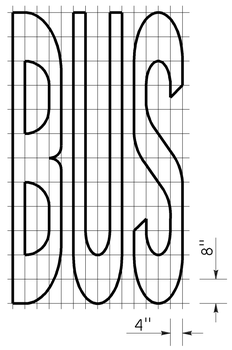
A=14 ft²



A=23 ft²



A=24 ft²



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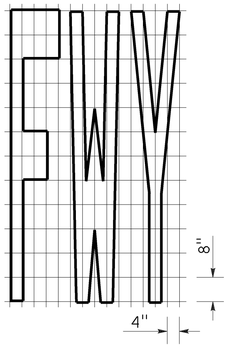
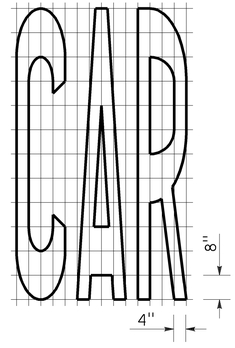


A=16 ft²



A=17 ft²

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon,SBt, SCr	9,25,68 101,156,183	Var	11	21

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

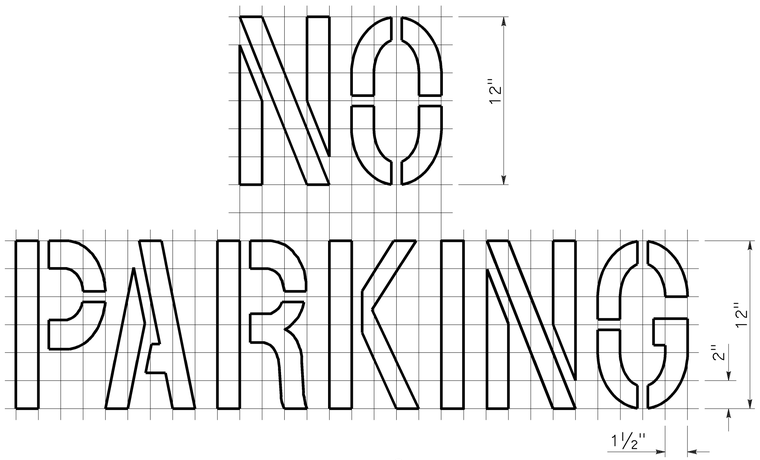
July 20, 2012
PLANS APPROVAL DATE

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

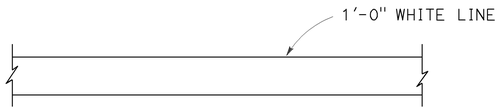
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 11-13-12

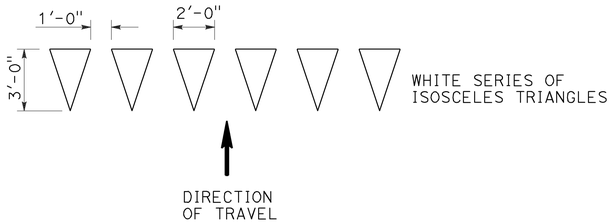
WORD MARKINGS			
ITEM	ft²	ITEM	ft²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



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
05	Scr,SBt,Mon	9,25,68, 101,156,183	Var	12	21

8-16-12
REGISTERED CIVIL ENGINEER — DATE

DIOSDADO ACOBA
No. 52003
Exp. 12-31-12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

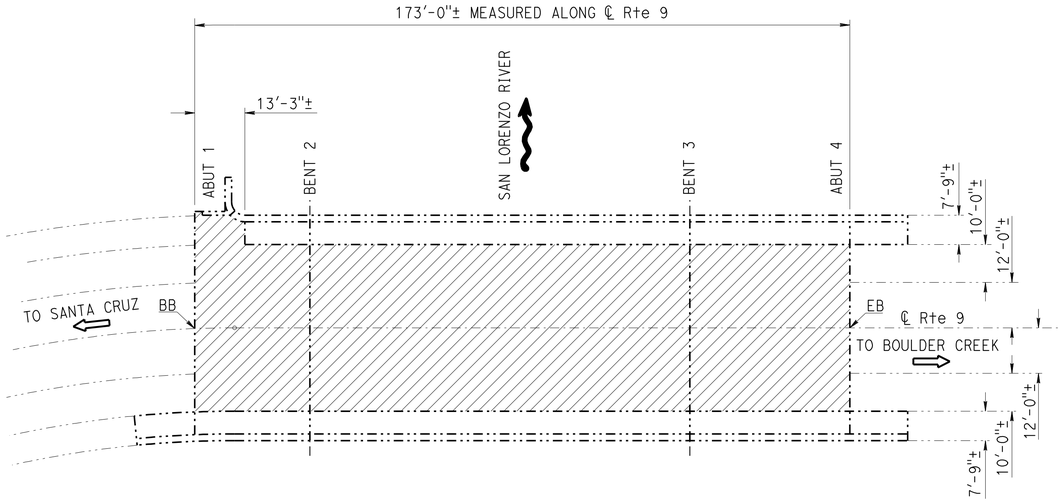
11-13-12
PLANS APPROVAL DATE

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

NOTE: (APPLY TO ALL SHEETS)
····—···— Indicates existing.

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate or epoxy resin and core (2" Dia x 5" deep) treated bridge deck (2 cores per span with a maximum 8 cores).



SAN LORENZO RIVER

Br. No. 36-0049, ROUTE 9, SCr, PM 9.71
1" = 20'

SAN LORENZO RIVER — BRIDGE NO. 36-0049

QUANTITIES

CORE TREATED BRIDGE DECK	6 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	7,620 SQFT
TREAT BRIDGE DECK	7,620 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	85 GAL
PUBLIC SAFETY PLAN	LUMP SUM

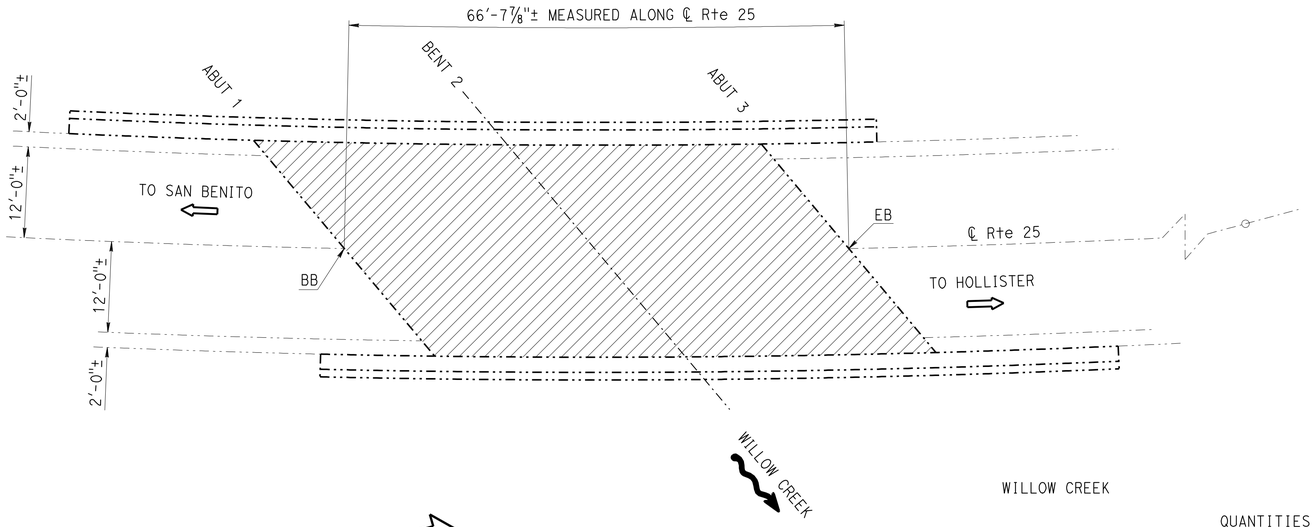
INDEX TO PLANS

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	GENERAL PLAN NO. 6
7	GENERAL PLAN NO. 7
8	GENERAL PLAN NO. 8
9	JOINT SEAL DETAILS NO. 1
10	JOINT SEAL DETAILS NO. 2

STANDARD PLANS DATED 2010

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

STANDARD PLAN SHEET NO.
DETAIL NO.



WILLOW CREEK

Br. No. 43-0014, ROUTE 25, SBt, PM 28.23
1" = 10'

WILLOW CREEK — BRIDGE NO. 43-0014

QUANTITIES

CORE TREATED BRIDGE DECK	4 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	1,867 SQFT
TREAT BRIDGE DECK	1,867 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	21 GAL

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

8-9-12
DESIGN ENGINEER

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	M. Hashimoto	Ali Nojoumi			
DETAILS	Dale Kubochi	Ali Nojoumi	LAYOUT	Dale Kubochi	M. Hashimoto
QUANTITIES	M. Hashimoto	Ali Nojoumi	SPECIFICATIONS	Adam Menke	PLANS AND SPECS COMPARED: Adam Menke

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 9, 25, 68, 101, 156 & 183 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: 3488
PROJECT NUMBER & PHASE: 0512000024
CONTRACT NO.: 05-1A8001

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
11-7-11	5-23-12	9-6-12		1	10

FILE => 05-1a8001-a-gp01.dgn

USERNAME => s1244128 DATE PLOTTED => 10-DEC-2012 TIME PLOTTED => 03:51

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Scr,SBt,Mon	9,25,68, 101,156,183	Var	13	21

REGISTERED CIVIL ENGINEER — 8-16-12 DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA — No. 52003 — Exp. 12-31-12 — CIVIL — STATE OF CALIFORNIA

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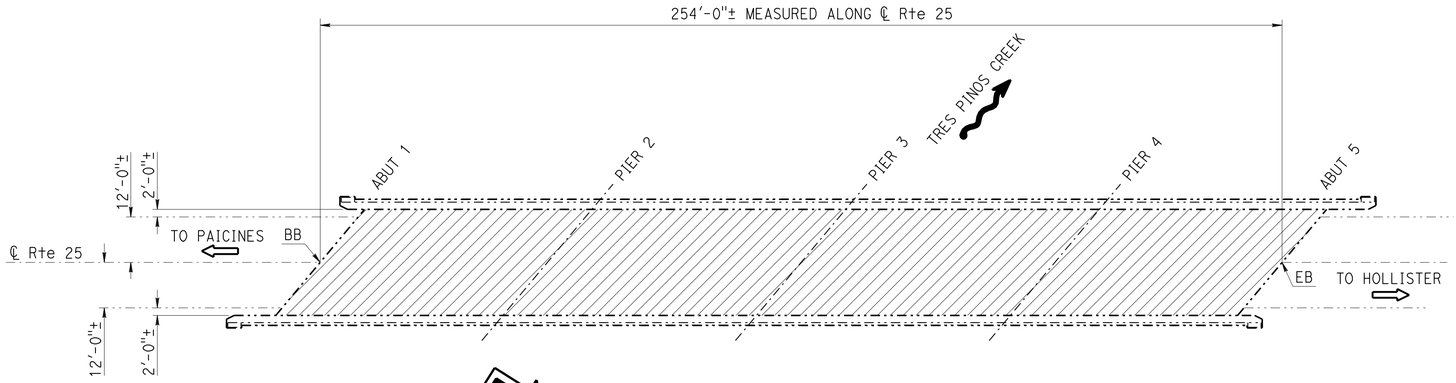


TRES PINOS CREEK

Br. No. 43-0017, ROUTE 25, SBt, PM 42.42
1" = 20'

TRES PINOS CREEK — BRIDGE NO. 43-0017

QUANTITIES

CORE TREATED BRIDGE DECK	8 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	7,112 SQFT
TREAT BRIDGE DECK	7,112 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	79 GAL

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of remove existing 2"± AC overlay.

Indicates limits of prepare concrete bridge deck surface, furnish and place new ¾" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete as shown on the "Deck Repair Detail - Overlay" on "JOINT SEAL DETAILS NO. 2" sheet.

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate or epoxy resin and core (2" Dia x 5" deep) treated bridge deck (2 cores per span with a maximum 8 cores).

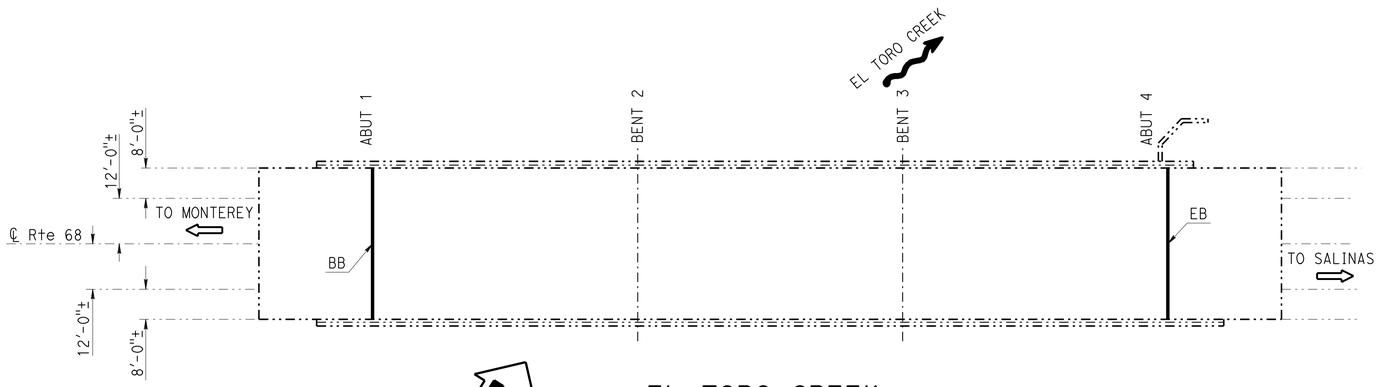
Indicates location of existing joint seal removal and placement of new joint seal.

① - Grind existing roadway to match bridge, see "Road Plans"

EL TORO CREEK — BRIDGE NO. 44-0264

QUANTITIES

CLEAN EXPANSION JOINT	82 LF
JOINT SEAL (MR 1")	82 LF



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

EL TORO CREEK

Br. No. 44-0264, ROUTE 68, Mon, PM 13.30
1" = 20'

RESERVATION ROAD UNDERCROSSING — BRIDGE NO. 44-0079L

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	4,732 SQFT
REMOVE UNSOUND CONCRETE	12 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	4,732 SQFT
RAPID SETTING CONCRETE PATCH	12 CF
FURNISH POLYESTER CONCRETE OVERLAY	355 CF
PLACE POLYESTER CONCRETE OVERLAY	4,732 SQFT

RESERVATION ROAD UNDERCROSSING

Br. No. 44-0079L, ROUTE 68, Mon, PM R17.19
1" = 20'

Matthew W. Lee 8-9-12 DESIGN ENGINEER	DESIGN	BY M. Hashimoto	CHECKED Ali Nojoumi	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
	DETAILS	BY Dale Kubochi	CHECKED Ali Nojoumi	LAYOUT	BY Dale Kubochi	CHECKED M. Hashimoto	
	QUANTITIES	BY M. Hashimoto	CHECKED Ali Nojoumi	SPECIFICATIONS	BY Adam Menke	PLANS AND SPECS COMPARED Adam Menke	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 9, 25, 68, 101, 156 & 183 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: 3488
PROJECT NUMBER & PHASE: 0512000024
CONTRACT NO.: 05-1A8001

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES			SHEET	OF
11-1-11	9-6-12	1-11-12	2	10

FILE => 05-1a8001-a-gp02.dgn

USERNAME => s1244428 DATE PLOTTED => 10-DEC-2012 TIME PLOTTED => 09:51

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Scr,SBt,Mon	9,25,68, 101,156,183	Var	14	21

8-16-12
REGISTERED CIVIL ENGINEER — DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DIOSDADO ACOBA
No. 52003
Exp. 12-31-12
CIVIL
STATE OF CALIFORNIA

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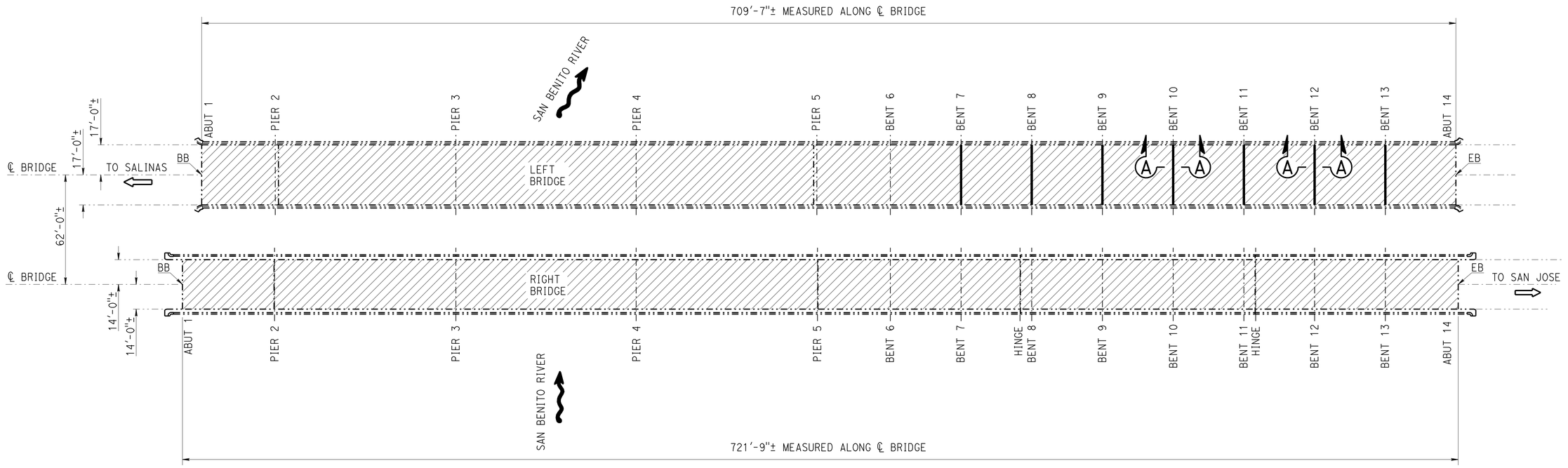
NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate or epoxy resin and core (2" Dia x 5" deep) treated bridge deck (2 cores per span with a maximum 8 cores).

Indicates location of existing joint seal removal and placement of new joint seal.

- For "Section A-A", see "JOINT SEAL DETAILS NO. 1" sheet.



SAN BENITO RIVER

Br. No. 43-0004L/R, ROUTE 101, SBt, PM 5.21
1" = 30'

SAN BENITO RIVER — BRIDGE NO. 43-0004L/R

QUANTITIES

CORE TREATED BRIDGE DECK	16 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	44,337 SQFT
BRIDGE REMOVAL (PORTION)	LUMP SUM
STRUCTURAL CONCRETE, BRIDGE	1.5 CY
CLEAN EXPANSION JOINT	245 LF
JOINT SEAL (MR 1/2")	245 LF
BAR REINFORCING STEEL (BRIDGE)	145 LB
TREAT BRIDGE DECK	44,337 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	493 GAL
MISCELLANEOUS METAL (BRIDGE)	335 LB

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

Matthew W. Lee 8-9-12
DESIGN ENGINEER

		BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN		M. Hashimoto	Ali Nojoumi			
DETAILS	BY Dale Kubochi	CHECKED Ali Nojoumi	LAYOUT	BY Dale Kubochi	CHECKED M. Hashimoto	
QUANTITIES	BY M. Hashimoto	CHECKED Ali Nojoumi	SPECIFICATIONS	BY Adam Menke	PLANS AND SPECS COMPARED Adam Menke	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 9, 25, 68, 101, 156 & 183 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: 3488
PROJECT NUMBER & PHASE: 0512000024
CONTRACT NO.: 05-1A8001

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
11-1-11	5-22-12	9-5-12	9-11-12	3	10

FILE => 05-1a8001-a-gp03.dgn

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Scr,SBt,Mon	9,25,68, 101,156,183	Var	15	21

REGISTERED CIVIL ENGINEER — 8-16-12 DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA — No. 52003 — Exp. 12-31-12 — CIVIL — STATE OF CALIFORNIA

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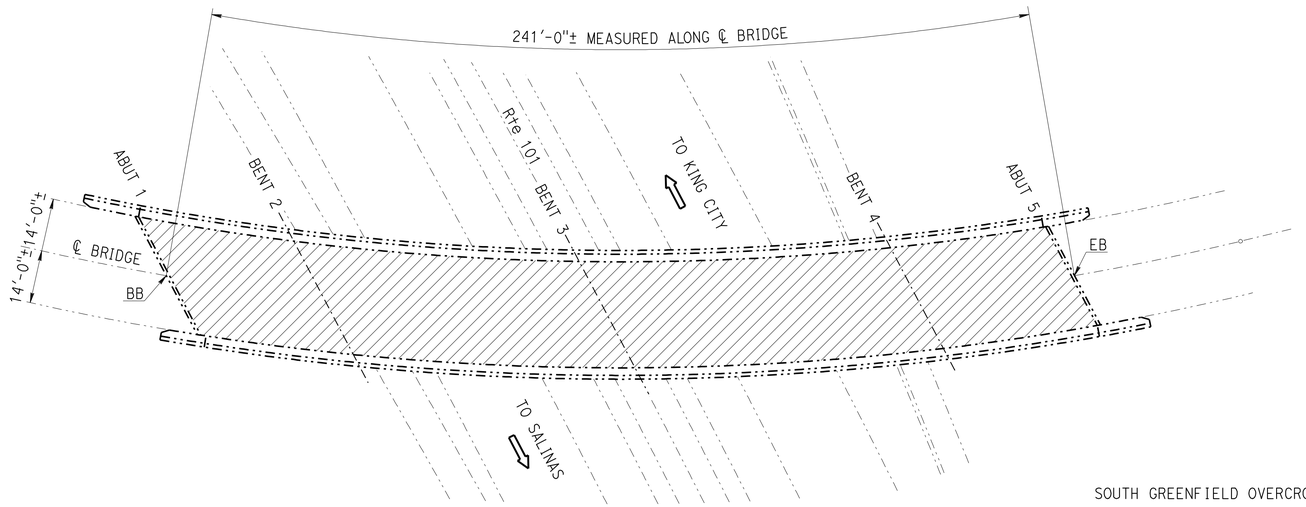


SOUTH GREENFIELD OVERCROSSING

Br. No. 44-0133, ROUTE 101, Mon, PM 52.66
1" = 20'

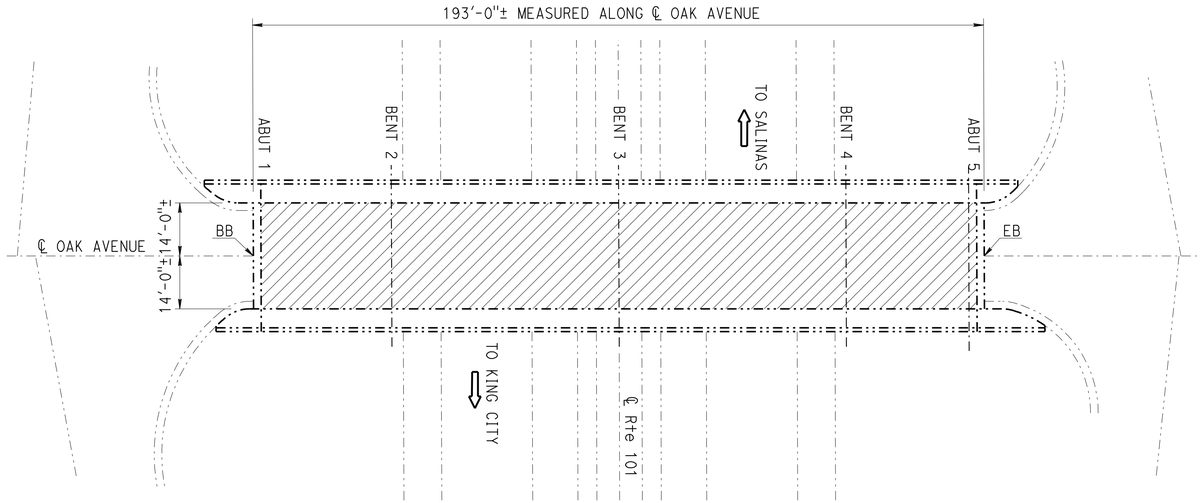
SOUTH GREENFIELD OVERCROSSING — BRIDGE NO. 44-0133

QUANTITIES

CORE TREATED BRIDGE DECK	8 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	6,820 SQFT
TREAT BRIDGE DECK	6,820 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	76 GAL
PUBLIC SAFETY PLAN	LUMP SUM

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate or epoxy resin and core (2" Dia x 5" deep) treated bridge deck (2 cores per span with a maximum 8 cores).



OAK AVENUE OVERCROSSING

Br. No. 44-0134, ROUTE 101, Mon, PM 53.36
1" = 20'

OAK AVENUE OVERCROSSING — BRIDGE NO. 44-0134

QUANTITIES

CORE TREATED BRIDGE DECK	8 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	5,404 SQFT
TREAT BRIDGE DECK	5,404 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	60 GAL
PUBLIC SAFETY PLAN	LUMP SUM

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

DESIGN ENGINEER — 8-9-12

DESIGN	BY M. Hashimoto	CHECKED Ali Nojoumi	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD			
DETAILS	BY Dale Kubochi	CHECKED Ali Nojoumi	LAYOUT	BY Dale Kubochi	CHECKED M. Hashimoto		
QUANTITIES	BY M. Hashimoto	CHECKED Ali Nojoumi	SPECIFICATIONS	BY Adam Menke	PLANS AND SPECS COMPARED Adam Menke		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 9, 25, 68, 101, 156 & 183 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: 3488
PROJECT NUMBER & PHASE: 0512000024
CONTRACT NO.: 05-1A8001

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 11-1-11 | 5-23-12 | 9-6-12

SHEET 4 OF 10

FILE => 05-1a8001-a-gp04.dgn

USERNAME => s124428 DATE PLOTTED => 10-DEC-2012 TIME PLOTTED => 09:51

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Scr,SBt,Mon	9,25,68, 101,156,183	Var	16	21

8-16-12
REGISTERED CIVIL ENGINEER DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DIOSDADO ACOBA
No. 52003
Exp. 12-31-12
CIVIL
STATE OF CALIFORNIA

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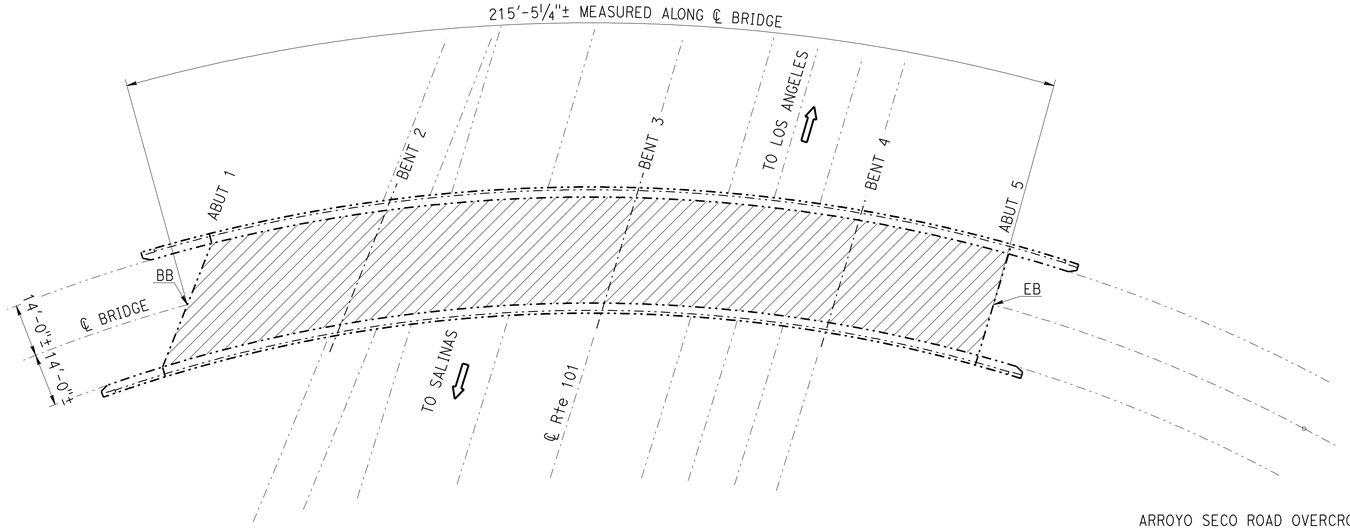


ARROYO SECO ROAD OVERCROSSING

Br. No. 44-0115, ROUTE 101, Mon, PM 60.40
1" = 20'

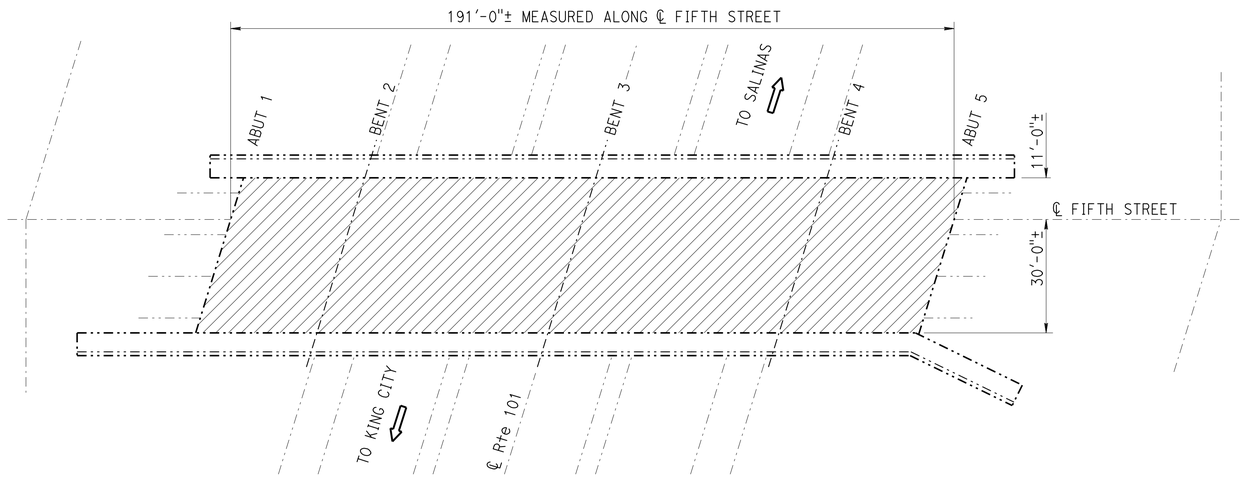
ARROYO SECO ROAD OVERCROSSING BRIDGE NO. 44-0115

QUANTITIES

CORE TREATED BRIDGE DECK	8 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	6,032 SQFT
TREAT BRIDGE DECK	6,032 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	67 GAL

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate or epoxy resin and core (2" Dia x 5" deep) treated bridge deck (2 cores per span with a maximum 8 cores).



FIFTH STREET OVERCROSSING

Br. No. 44-0089, ROUTE 101, Mon, PM 70.86
1" = 20'

FIFTH STREET OVERCROSSING BRIDGE NO. 44-0089

QUANTITIES

CORE TREATED BRIDGE DECK	8 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	7,831 SQFT
TREAT BRIDGE DECK	7,831 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	87 GAL

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

8-9-12
DESIGN ENGINEER

DESIGN	BY M. Hashimoto	CHECKED Ali Nojoumi	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD			
DETAILS	BY Dale Kubochi	CHECKED Ali Nojoumi	LAYOUT	BY Dale Kubochi	CHECKED M. Hashimoto		
QUANTITIES	BY M. Hashimoto	CHECKED Ali Nojoumi	SPECIFICATIONS	BY Adam Menke	PLANS AND SPECS COMPARED Adam Menke		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	ROUTE 9, 25, 68, 101, 156 & 183 BRIDGES
VARIOUS	GENERAL PLAN NO. 5
POST MILE	
VARIES	

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: 0512000024 CONTRACT NO.: 05-1A8001

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
11-7-11	5-23-12	9-6-12		5	10

FILE => 05-1a8001-a-gp05.dgn

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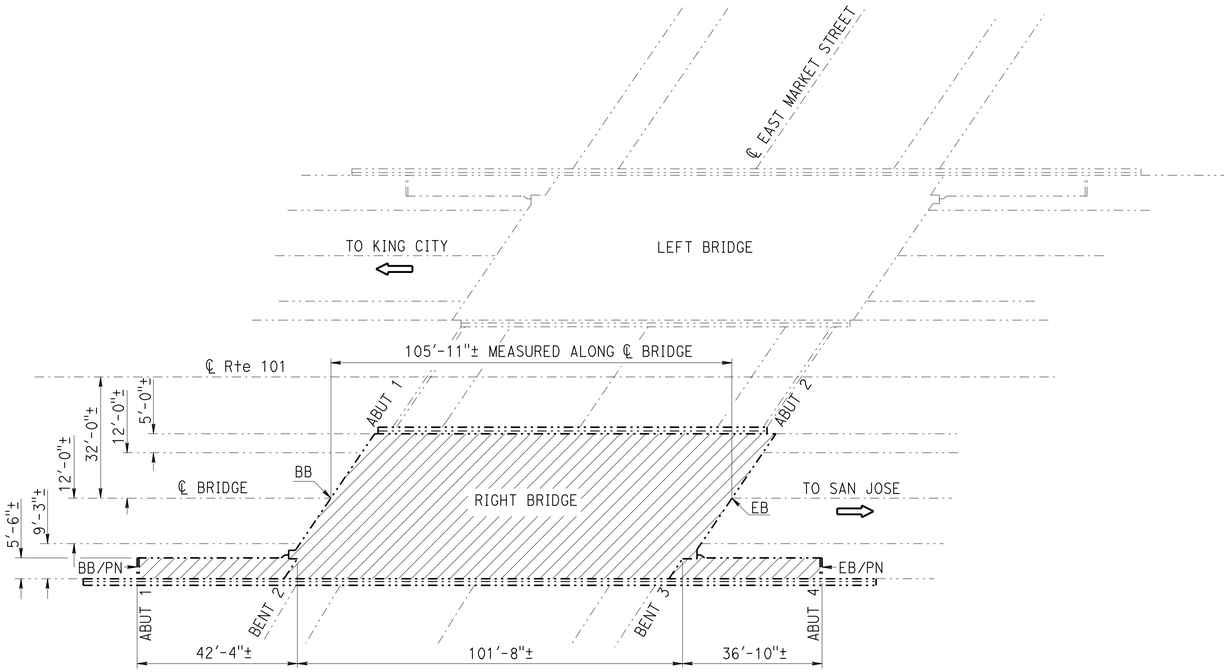

EAST MARKET STREET UNDERCROSSING

Br. No. 44-0093R, ROUTE 101, Mon, PM 87.30
1" = 20′

EAST MARKET STREET UNDERCROSSING BRIDGE NO. 44-0093R

QUANTITIES

CORE TREATED BRIDGE DECK	2 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	5,550 SQFT
TREAT BRIDGE DECK	5,550 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	62 GAL
PUBLIC SAFETY PLAN	LUMP SUM

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate or epoxy resin and core (2" Dia x 5" deep) treated bridge deck (2 cores per span with a maximum 8 cores).

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Scr,SBt,Mon	9,25,68, 101,156,183	Var	17	21

REGISTERED CIVIL ENGINEER 8-16-12 DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA No. 52003 Exp. 12-31-12 CIVIL — STATE OF CALIFORNIA

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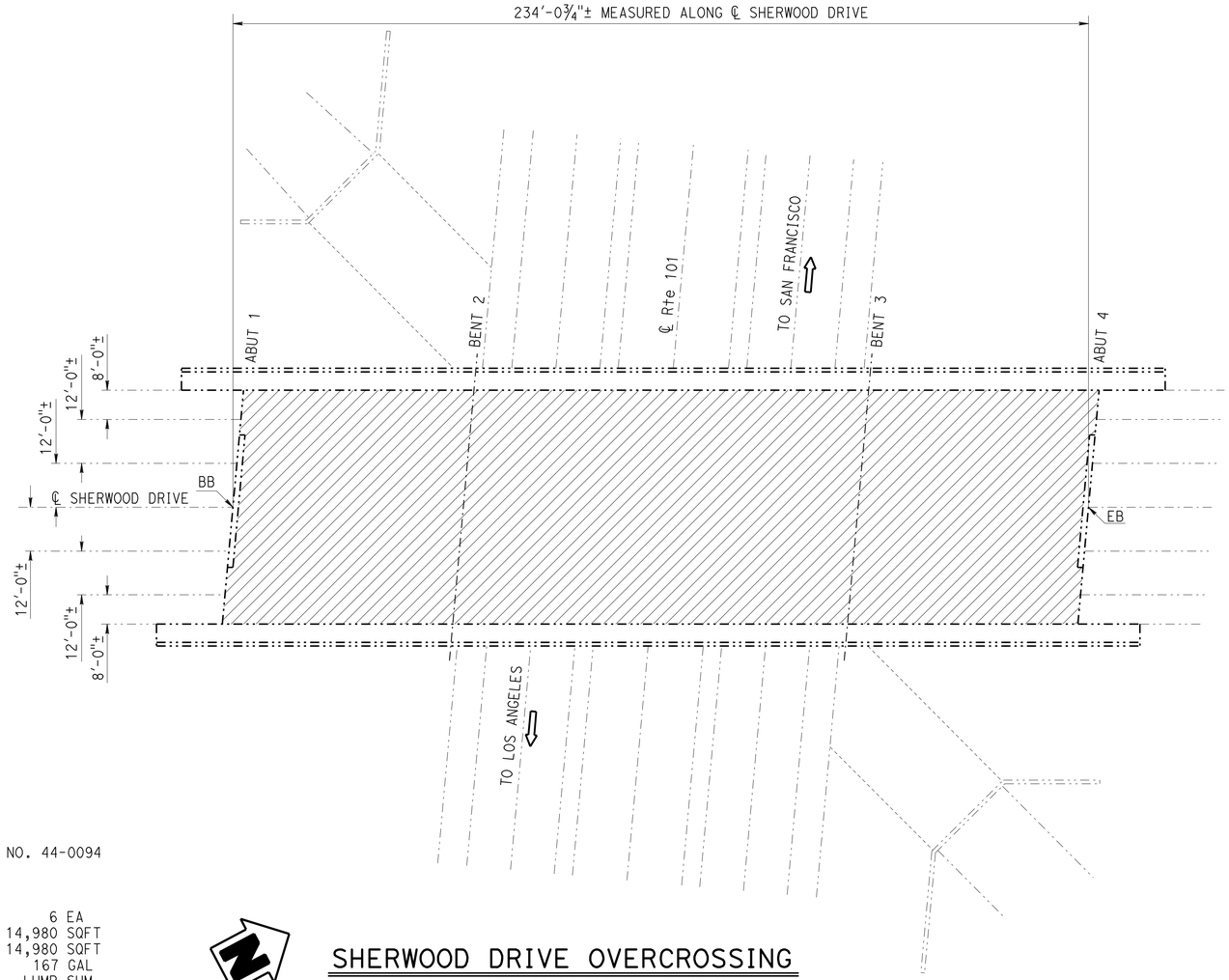

SHERWOOD DRIVE OVERCROSSING BRIDGE NO. 44-0094

QUANTITIES

CORE TREATED BRIDGE DECK	6 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	14,980 SQFT
TREAT BRIDGE DECK	14,980 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	167 GAL
PUBLIC SAFETY PLAN	LUMP SUM

SHERWOOD DRIVE OVERCROSSING

Br. No. 44-0094, ROUTE 101, Mon, PM 87.97
1" = 20′

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

Matthew W. Lee 8-9-12
DESIGN ENGINEER

DESIGN	BY M. Hashimoto	CHECKED Ali Nojoumi	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	BY Dale Kubochi	CHECKED Ali Nojoumi	LAYOUT	BY Dale Kubochi	CHECKED M. Hashimoto
QUANTITIES	BY M. Hashimoto	CHECKED Ali Nojoumi	SPECIFICATIONS	BY Adam Menke	PLANS AND SPECS COMPARED Adam Menke

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 9, 25, 68, 101, 156 & 183 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: 3488
PROJECT NUMBER & PHASE: 0512000024 CONTRACT NO.: 05-1A8001

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
11-1-11	3-29-12	9-6-12		6	10

FILE => 05-1a8001-a-gp06.dgn

USERNAME => s1224428 DATE PLOTTED => 10-DEC-2012 TIME PLOTTED => 09:51

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Scr,SBt,Mon	9,25,68, 101,156,183	Var	18	21

8-16-12
REGISTERED CIVIL ENGINEER — DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA — No. 52003 — Exp. 12-31-12 — CIVIL — STATE OF CALIFORNIA

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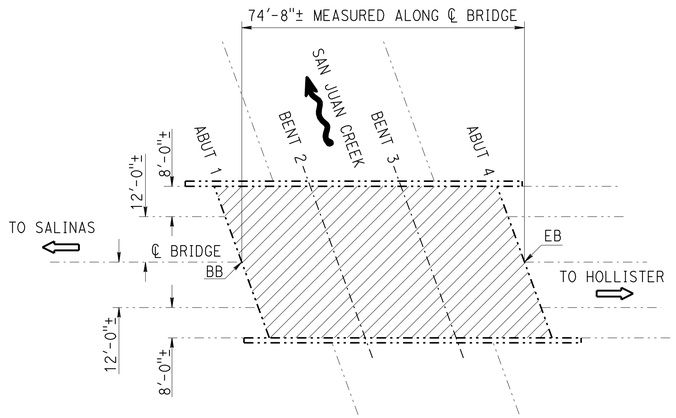


SAN JUAN CREEK

Br. No. 43-0029, ROUTE 156, SBt, PM 3.56
1" = 20'

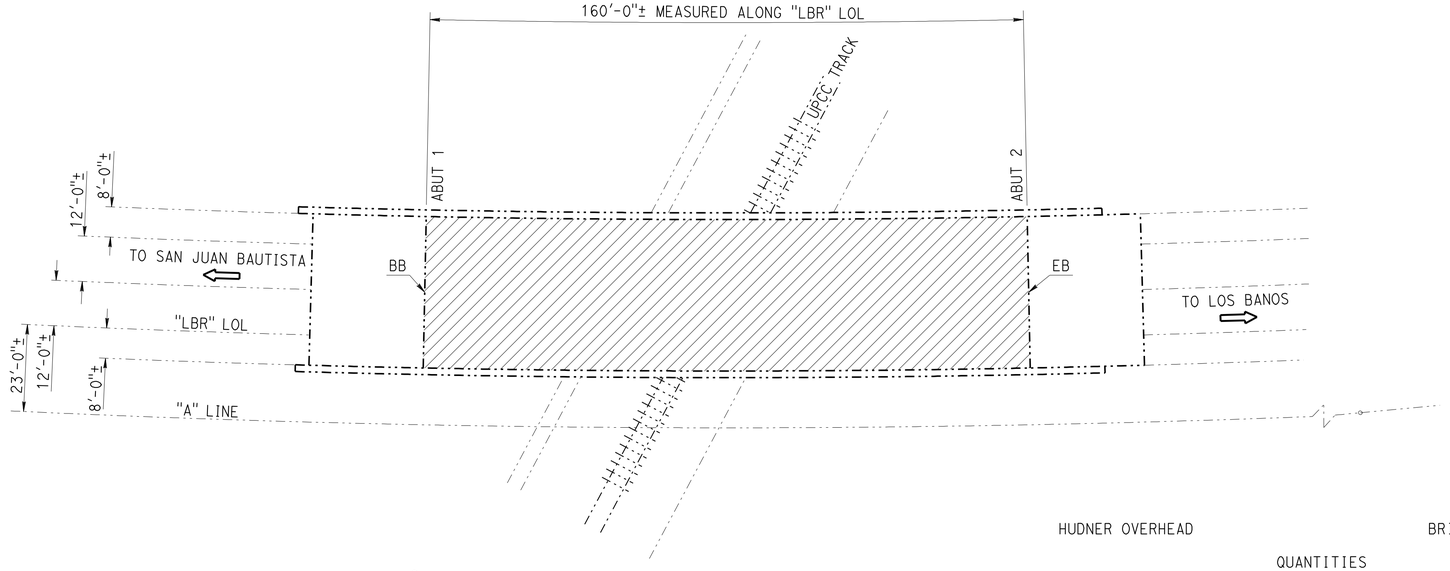
SAN JUAN CREEK — BRIDGE NO. 43-0029

QUANTITIES

CORE TREATED BRIDGE DECK	6 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	2,987 SQFT
TREAT BRIDGE DECK	2,987 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	34 GAL

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate or epoxy resin and core (2" Dia x 5" deep) treated bridge deck (2 cores per span with a maximum 8 cores).



HUDNER OVERHEAD

Br. No. 43-0046, ROUTE 156, SBt, PM R10.47
1" = 20'

HUDNER OVERHEAD — BRIDGE NO. 43-0046

QUANTITIES

CORE TREATED BRIDGE DECK	2 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	6,400 SQFT
TREAT BRIDGE DECK	6,400 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	71 GAL

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

8-9-12
DESIGN ENGINEER

DESIGN	BY M. Hashimoto	CHECKED Ali Nojoumi	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD			
DETAILS	BY Dale Kubochi	CHECKED Ali Nojoumi	LAYOUT	BY Dale Kubochi	CHECKED M. Hashimoto		
QUANTITIES	BY M. Hashimoto	CHECKED Ali Nojoumi	SPECIFICATIONS	BY Adam Menke	PLANS AND SPECS COMPARED Adam Menke		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 9, 25, 68, 101, 156 & 183 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: 3488
PROJECT NUMBER & PHASE: 0512000024
CONTRACT NO.: 05-1A8001

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
11-7-11	3-23-12	9-6-12		7	10

FILE => 05-1a8001-a-gp07.dgn

USERNAME => s124428 DATE PLOTTED => 10-DEC-2012 TIME PLOTTED => 09:51

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Scr,SBt,Mon	9,25,68, 101,156,183	Var	19	21

8-16-12
REGISTERED CIVIL ENGINEER — DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA — No. 52003 — Exp. 12-31-12 — CIVIL — STATE OF CALIFORNIA

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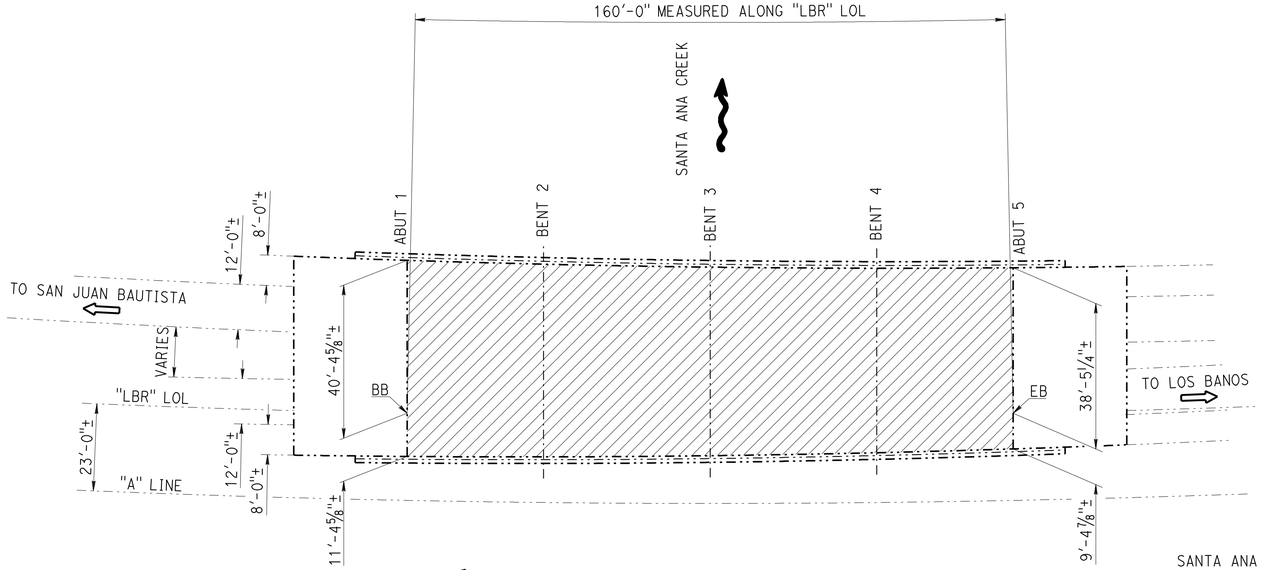


SANTA ANA CREEK

Br. No. 43-0045, ROUTE 156, SBt, PM R13.43
1" = 20'

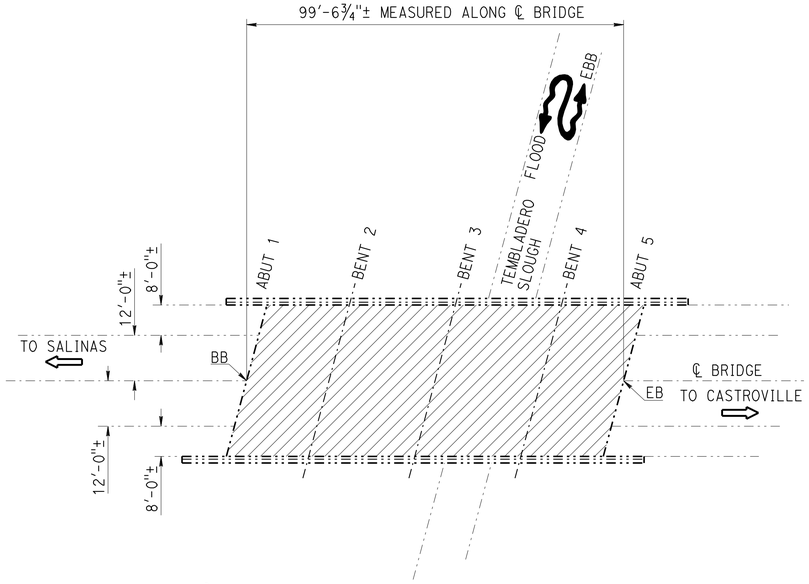
NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate or epoxy resin and core (2" Dia x 5" deep) treated bridge deck (2 cores per span with a maximum 8 cores).

SANTA ANA CREEK — BRIDGE NO. 43-0045

QUANTITIES

CORE TREATED BRIDGE DECK	8 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	7,970 SQFT
TREAT BRIDGE DECK	7,970 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	89 GAL



TEMBLADERO SLOUGH

Br. No. 44-0024, ROUTE 183, Mon, PM R8.11
1" = 20'

TEMBLADERO SLOUGH — BRIDGE NO. 44-0024

QUANTITIES

CORE TREATED BRIDGE DECK	8 EA
PREPARE CONCRETE BRIDGE DECK SURFACE	3,982 SQFT
TREAT BRIDGE DECK	3,982 SQFT
FURNISH BRIDGE DECK RESIN TREATMENT MATERIAL	45 GAL

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

Matthew W. Lee 8-9-12
DESIGN ENGINEER

	BY	CHECKED
DESIGN	M. Hashimoto	Ali Nojoumi
DETAILS	Dale Kubochi	Ali Nojoumi
QUANTITIES	M. Hashimoto	Ali Nojoumi

LOAD FACTOR DESIGN — LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD

	BY	CHECKED
LAYOUT	Dale Kubochi	M. Hashimoto
SPECIFICATIONS	Adam Menke	PLANS AND SPECS COMPARED: Adam Menke

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 9, 25, 68, 101, 156 & 183 BRIDGES
GENERAL PLAN NO. 8

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

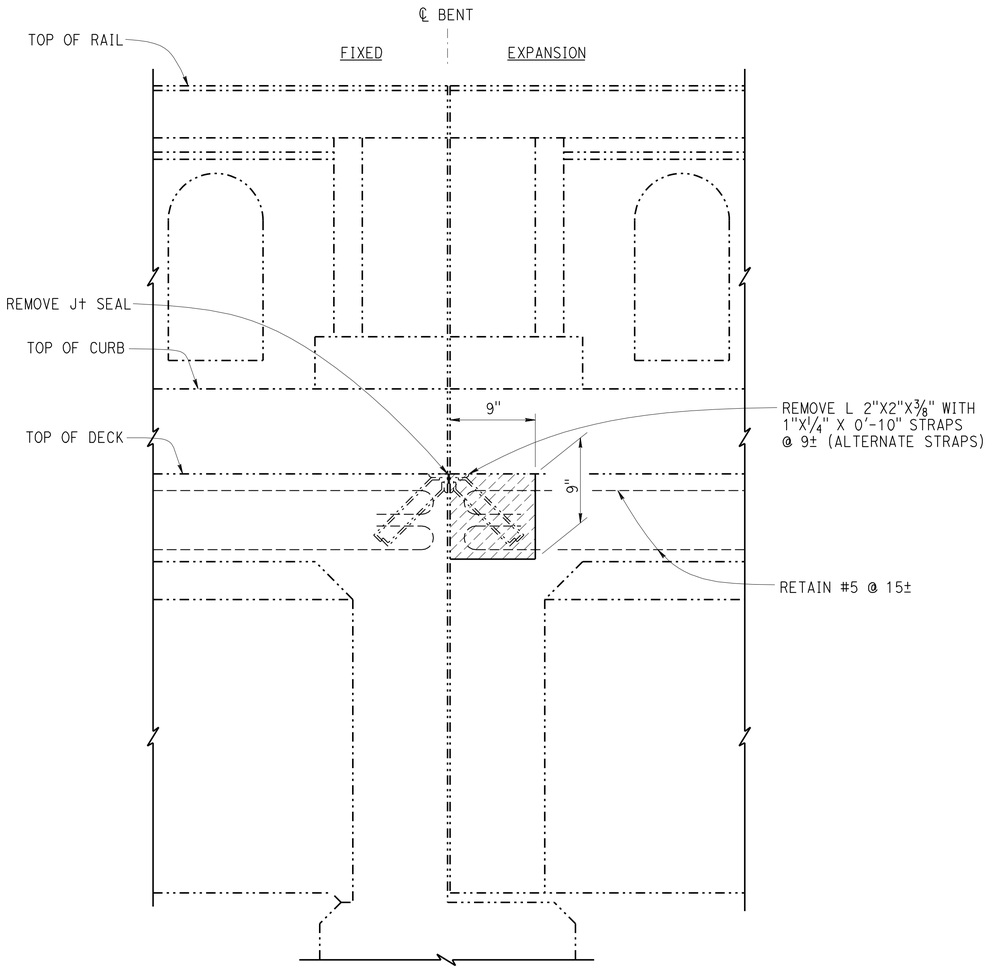
UNIT: 3488
PROJECT NUMBER & PHASE: 0512000024
CONTRACT NO.: 05-1A8001

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

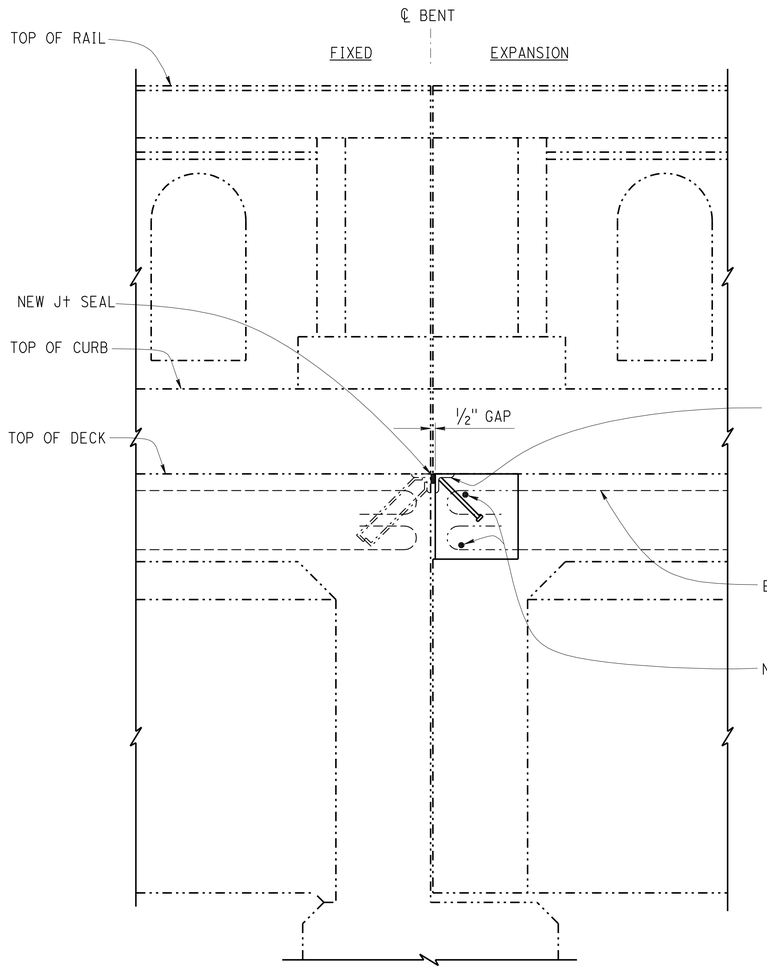
REVISION DATES				SHEET	OF
11-2-11	5-22-12	9-6-12		8	10

FILE => 05-1a8001-a-gp08.dgn

USERNAME => s124428 DATE PLOTTED => 10-DEC-2012 TIME PLOTTED => 03:51



EXISTING



RECONSTRUCTION

SECTION A-A

1½" = 1'-0"

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Scr,SB†,Mon	9,25,68, 101,156,183	Var	20	21

8-16-12
REGISTERED CIVIL ENGINEER — DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA No. 52003 Exp. 12-31-12 CIVIL — STATE OF CALIFORNIA

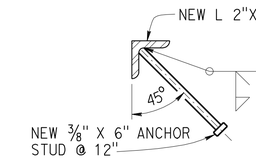
11-13-12
PLANS APPROVAL DATE

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

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of existing concrete removal and placement of new concrete.

- "Section A-A" for Bents 10 and 12 only.



DETAIL A

3" = 1'-0"

GENERAL NOTES
LOAD FACTOR DESIGN

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

DEAD LOAD: Includes 35 psf for future wearing surface.
LIVE LOADING: HS20-44 and alternative and permit design load.

REINFORCED CONCRETE: fy = 60,000 psi
f'c = 4,000 psi
n = 9

TEMPORARY DECK PLATE LOAD CRITERIA		
MOMENT DEMAND/FOOT (kips-ft/ft)	BOLT SHEAR/FOOT (kips/ft)	BOLT TENSION (kips) / bolt
15.6	7.8	10.4

Plate deflection shall not exceed s/12 inches (s = span of plate).
Maximum anchor bolt spacing = 1'-0".

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

	BY	CHECKED
DESIGN	M. Hashimoto	Ali Nojoumi
DETAILS	Dale Kubochi	Ali Nojoumi
QUANTITIES	M. Hashimoto	Ali Nojoumi

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 9, 25, 68, 101, 156 & 183 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: 3488
PROJECT NUMBER & PHASE: 0512000024
CONTRACT NO.: 05-1A8001

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
12-05-11	3-28-12	9-6-12		9	10

FILE => 05-1a8001-j-jts-det01.dgn

USERNAME => s124428 DATE PLOTTED => 10-DEC-2012 TIME PLOTTED => 09:51

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Scr,SBt,Mon	9,25,68, 101,156,183	Var	21	21

8-16-12
REGISTERED CIVIL ENGINEER — DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA — No. 52003 — Exp. 12-31-12 — CIVIL — STATE OF CALIFORNIA

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JOINT SEAL TABLE

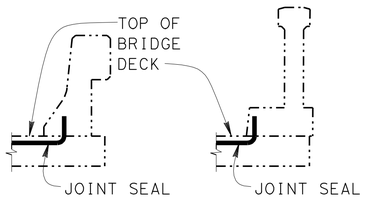
BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)
EL TORO CREEK	44-0264	Abut 1	BB	1"	41.0	NO	6.0
		Abut 2	EB	1"	41.0	NO	6.0
SAN BENITO RIVER	43-0004L	Bent 7	EJ	½"	35.0	NO	44.0
		Bent 8	EJ	½"	35.0	NO	44.0
		Bent 9	EJ	½"	35.0	NO	44.0
		Bent 10	EJ	½"	35.0	NO	44.0
		Bent 11	EJ	½"	35.0	NO	44.0
		Bent 12	EJ	½"	35.0	NO	44.0
		Bent 13	EJ	½"	35.0	NO	44.0

LEGEND:

BB - Beginning of bridge

EB - End of bridge

EJ - Expansion joint



BARRIER RAIL

JOINT SEAL AT LOW SIDE OF DECK

Notes: Details shown for illustration purposes only.

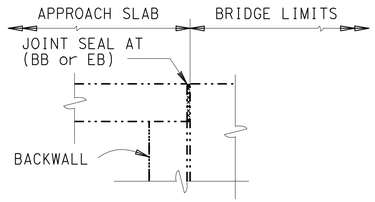
For use only where deck joint matches the sidewalk, curb or barrier rail joint.

The following notes apply to JOINT SEAL TYPE B:

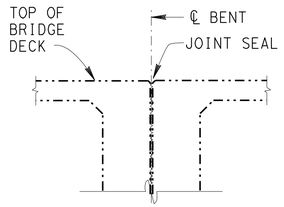
1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.
3) W1 shall be the smaller of the values determined 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 psi.
4) 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.
5) For details not shown, see B6-21

The following notes apply to JOINT SEAL TYPE A:

1) Install Type A joint seal 3" up into rail on the low side of deck where joint matches curb or rail joint.
2) For details not shown, see B6-21



ABUTMENT WITH BACKWALL

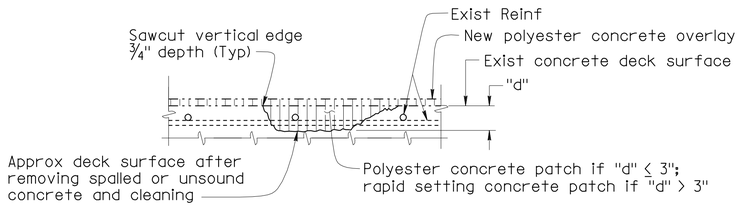


JOINT AT BENT

JOINT SEAL LOCATION

DECK REPAIR TABLE REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)			
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
RESERVATION ROAD UNDERCROSSING	44-0079L	1	3

Locations to be determined by the Engineer.
For details see "Deck Repair Detail - Overlay".



DECK REPAIR DETAIL - OVERLAY

Note: Locations to be determined by the Engineer.
Reinforcement may be encountered during deck concrete removal.

NO SCALE

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

DESIGN	BY M. Hashimoto	CHECKED Ali Nojoumi	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Dale Kubochi	CHECKED Ali Nojoumi	
QUANTITIES	BY M. Hashimoto	CHECKED Ali Nojoumi	

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 9, 25, 68, 101, 156 & 183 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: 3488
PROJECT NUMBER & PHASE: 0512000024
CONTRACT NO.: 05-1A8001

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
11-5-11	9-11-12		9-14-12	10	10

FILE => 05-1a8001-j-jts-det02.dgn

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