Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5, 96,97	Var	1	32

INDEX OF PLANS

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

STATE OF CALIFORNIA

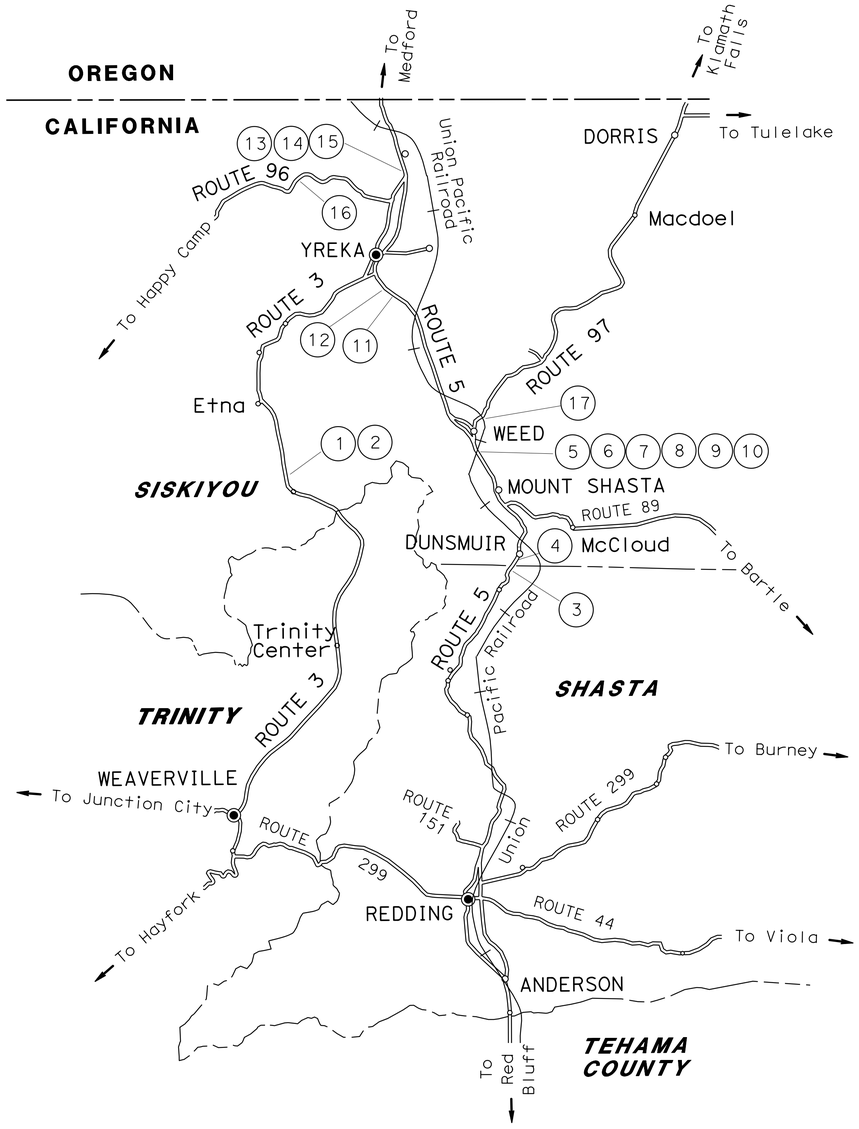
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN SHASTA AND SISKIYOU COUNTIES AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



NO SCALE

LOCATION MAP

LOCATIONS OF CONSTRUCTION

No.	COUNTY	ROUTE	PM	BRIDGE No.	BRIDGE NAME
1	Sis	3	9.75	02-0166	WILDCAT CREEK
2	Sis	3	11.29	02-0167	SUGAR CREEK
3	Sha	5	66.84	06-0095	CRAG VIEW DRIVE UC
4	Sis	5	1.21	02-0066	PANORAMA UC
5	Sis	5	R17.44	02-0162L	SOUTH WEED UC
6	Sis	5	R17.44	02-0162R	SOUTH WEED UC
7	Sis	5	R18.71	02-0163L	SISKIYOU WAY UC
8	Sis	5	R18.71	02-0163R	SISKIYOU WAY UC
9	Sis	5	R19.05	02-0170L	ROUTE 5/97 SEPARATION
10	Sis	5	R19.85	02-0164L	ROUTE 5/265 SEPARATION
11	Sis	5	R40.12	02-0146L	JULIEN CREEK
12	Sis	5	R42.51	02-0153R	KILLGORE HILLS ROAD UC
13	Sis	5	R58.10	02-0133L	KLAMATH RIVER RD UC
14	Sis	5	R58.10	02-0133R	KLAMATH RIVER RD UC
15	Sis	5	R58.18	02-0134R	KLAMATH RIVER Br & Sep
16	Sis	96	88.26	02-0081	BEAVER CREEK
17	Sis	97	0.15	02-0082	WEED OH

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

Roy S Cahill 02-04-13
PROJECT ENGINEER REGISTERED CIVIL ENGINEER — DATE

REGISTERED PROFESSIONAL ENGINEER — ROY CAHILL — No. C48876 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

Februaruy 4, 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.

CONTRACT No.	02-4E5404
PROJECT ID	0200020319

LAST REVISION 02-04-13 | DATE PLOTTED => 06-FEB-2013 | TIME PLOTTED => 08:56

PROJECT MANAGER: LANCE BROWN
DESIGN ENGINEER: LANCE BROWN

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5, 96,97	Var	2	32

Roy S Cahill 02-04-13
REGISTERED CIVIL ENGINEER DATE

02-04-13
PLANS APPROVAL DATE

ROY S. CAHILL No. C48876 Exp. 9-30-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

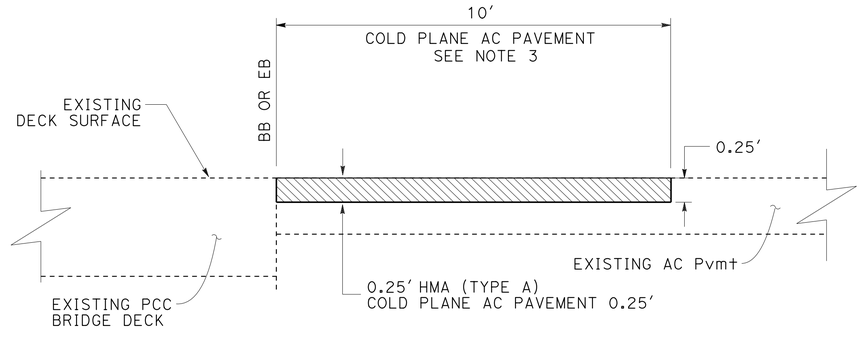
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AND CROSS SLOPE TO MATCH EXISTING OR AS DIRECTED BY THE ENGINEER.
3. COLD PLANE FULL WIDTH OF PAVED ROADWAY.
4. SEE GENERAL PLANS FOR DETAILS NOT SHOWN.
5. EXISTING UTILITY FACILITIES ARE NOT SHOWN ON THESE PLANS.
6. EXISTING BRIDGE JOINTS ARE NOT SHOWN ON THIS PLAN.

LEGEND:

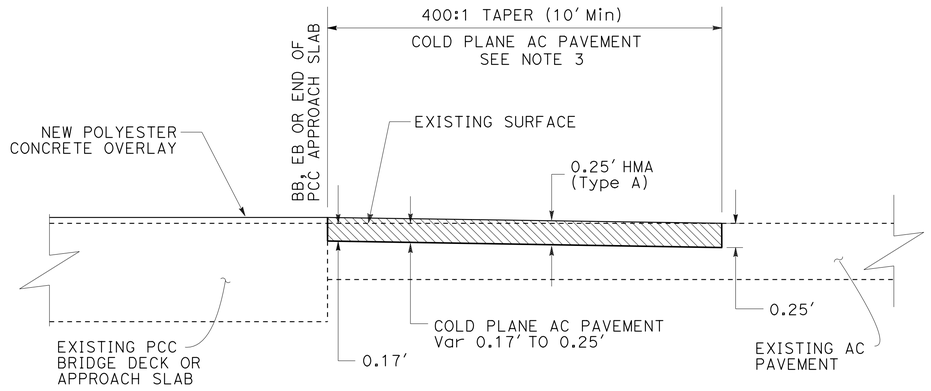
HOT MIX ASPHALT (TYPE A)



PROFILE

HMA CONFORM TYPICAL, BB AND EB

BEAVER CREEK, Br No. 02-0081



PROFILE

HMA CONFORM TYPICAL, BB AND EB

WILDCAT CREEK, Br No. 02-0166
SUGAR CREEK, Br No. 02-0167
PANORAMA UC, Br No. 02-0066
KLAMATH RIVER ROAD UC, Br No. 02-0133R*
KLAMATH RIVER Br & Sep, Br No. 02-0134R*
WEED OH, Br No. 02-0082

*MODIFY PAVEMENT AT BB ONLY.

CONSTRUCTION DETAILS

NO SCALE

C-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: ROY CAHILL
CHECKED BY: MIKE CONNER
FUNCTIONAL SUPERVISOR: LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

LAST REVISION DATE PLOTTED => 06-FEB-2013
TIME PLOTTED => 08:56
02-04-13

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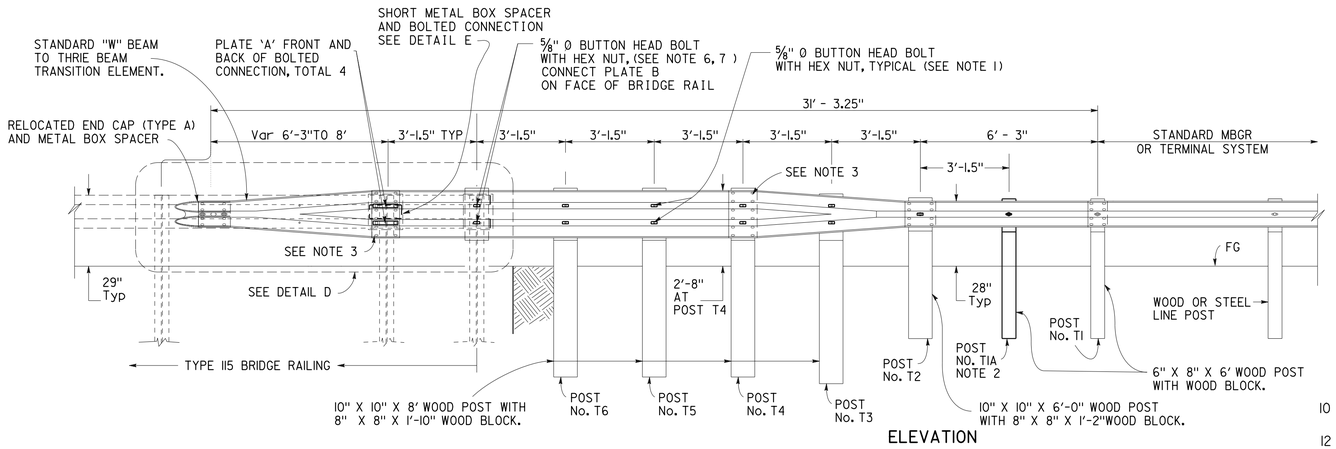
BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 24e540ga001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02000203191

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5, 96,97	Var	3	32

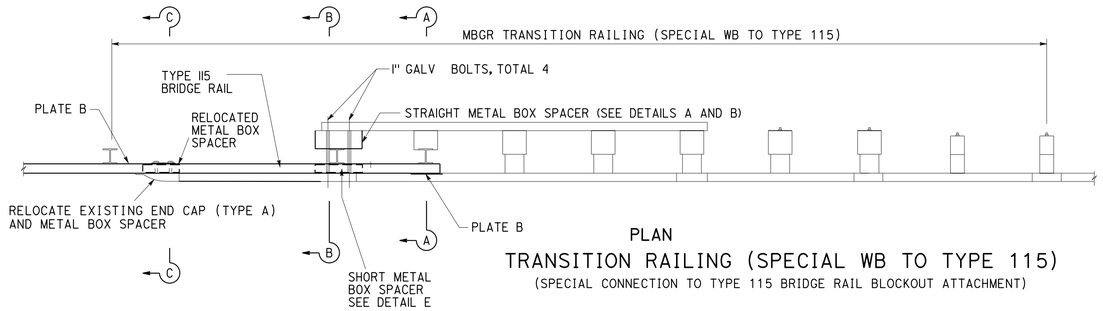
Dwight D Winterlin 02-04-13
REGISTERED CIVIL ENGINEER DATE

02-04-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DWIGHT WINTERLIN — No. C68438 — Exp. 9-30-13 — CIVIL — STATE OF CALIFORNIA



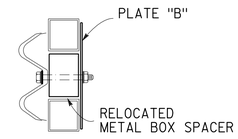
ELEVATION



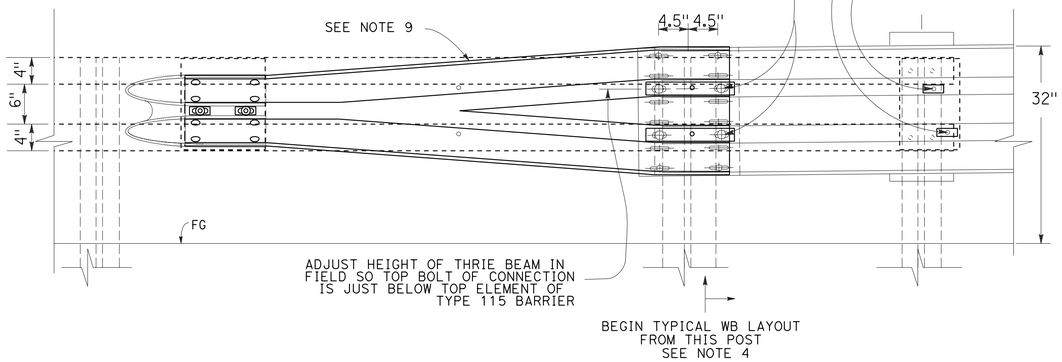
PLAN

TRANSITION RAILING (SPECIAL WB TO TYPE 115)

(SPECIAL CONNECTION TO TYPE 115 BRIDGE RAIL BLOCKOUT ATTACHMENT)

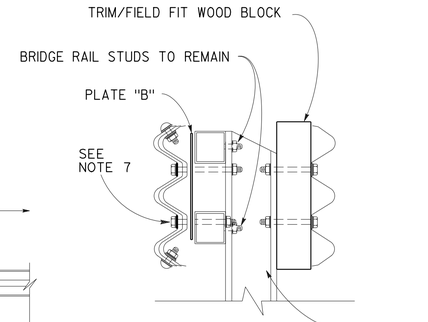


SECTION C-C

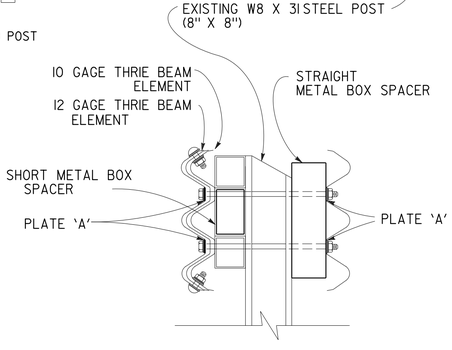


DETAIL D

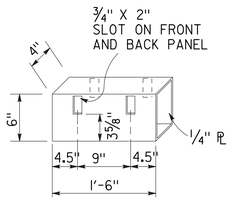
CONNECTION OF THRIE BEAM TO TYPE 115 BRIDGE RAIL



SECTION A-A

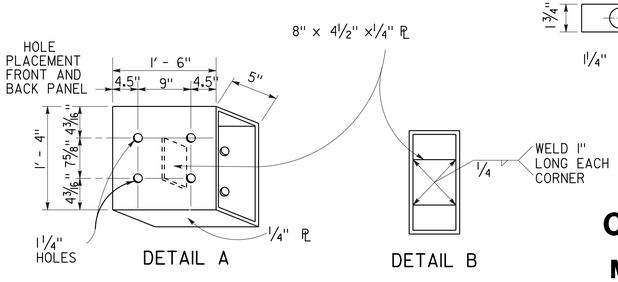


SECTION B-B



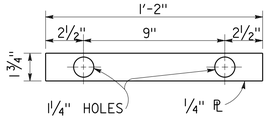
DETAIL E

SHORT METAL BOX SPACER



DETAIL A DETAIL B

STRAIGHT METAL BOX SPACER SPECIAL



DETAIL C

PLATE 'A'

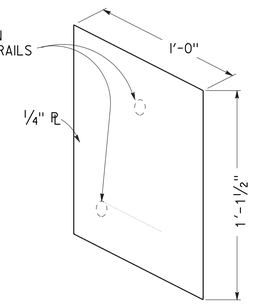


PLATE 'B'

NOTES:

1. USE 5/8" Ø BUTTON HEAD BOLTS AND HEX NUTS FOR CONNECTIONS TO POSTS. PLACE PLATE WASHER ON RAIL FACE FOR BOLTED CONNECTIONS TO 10"X10" WOOD POST.
2. PLACE POST T1A IF APPROACH SPEEDS ARE OVER 45 MPH.
3. EXTERIOR SPLICE BOLT HOLES FOR RAIL SPLICES AT "W" BEAM TO THRIE BEAM CONNECTIONS SHALL BE THE STANDARD 29/32" X 1 1/8" SLOT SIZE. INTERIOR SPLICE BOLT HOLES AT THESE LOCATIONS MAY BE INCREASED UP TO 1¼" Ø. ONLY THE TOP 2 AND THE BOTTOM 2 SPLICE BOLTS WITH WASHERS AND NUTS ARE REQUIRED FOR RAIL SPLICES AT THESE CONNECTIONS
4. PLACE 1" BOLTS ON EACH SIDE OF BRIDGE RAIL POST FLANGE. DO NOT MODIFY BRIDGE RAIL POST.
5. THE TOP ELEVATION OF POST Nos. T2 THROUGH T7 SHALL NOT PROJECT MORE THAN 1" ABOVE THE TOP ELEVATION OF THE RAIL ELEMENT.
6. FIELD DRILL ¾" HOLE THROUGH ℄ B AND POST FLANGE AS NEEDED FOR 5/8" BOLT WITH PLATE WASHER.
7. FIELD DRILL ¾" HOLE THROUGH THRIE BEAM ℄ B AND BRIDGE RAIL EXISTING BRIDGE RAIL STUD TO REMAIN.
8. FOR INFORMATION NOT SHOWN, REFER TO STANDARD PLAN A77J4
9. IF TOP OF BRIDGE RAIL IS 30" OR LESS ABOVE THE TRAVELWAY PLACE THRIE BEAM TO MBGR TRANSISTION WITH TYPE A END CAP. IF TOP OF BRIDGE RAIL IS GREATER THAN 30" ABOVE THE TRAVELWAY PLACE TYPE TC END CAP.
10. EXISTING UTILITY FACILITIES ARE NOT SHOWN ON THESE PLANS.

CONSTRUCTION DETAILS

METAL BEAM GUARD RAILING TRANSITION RAILING (SPECIAL WB TO TYPE 115 BRIDGE RAIL)

NO SCALE

C-2

REVISED BY | DATE REVISED
DWIGHT WINTERLIN | ROY CAHILL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | KRISTI WESTOBY
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | TRAFFIC
Caltrans

LAST REVISION 02-04-13 | DATE PLOTTED => 06-FEB-2013 | TIME PLOTTED => 08:56

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5, 96,97	Var	4	32

Roy S Cahill 02-04-13
REGISTERED CIVIL ENGINEER DATE

02-04-13
PLANS APPROVAL DATE

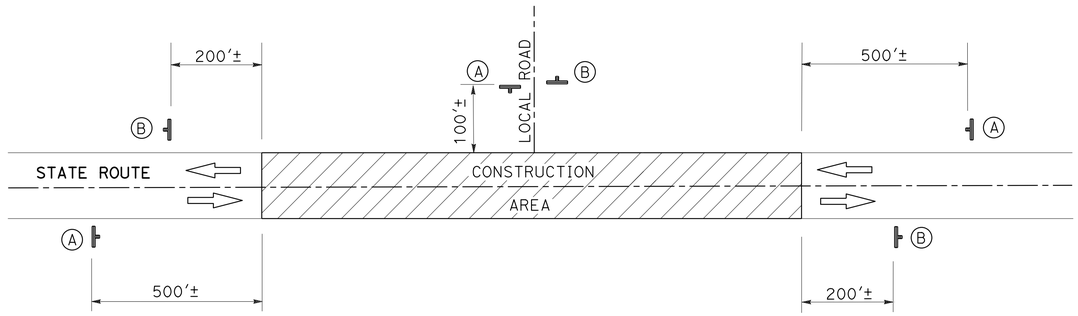
ROY S. CAHILL No. C48876 Exp. 9-30-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

NOTES:

1. EXACT LOCATION OF ALL SIGNS TO BE DETERMINED BY THE ENGINEER.
2. CALIFORNIA CODES ARE DESIGNATED BY (CA), OTHERWISE FEDERAL CODES ARE SHOWN.
3. EXISTING UTILITY FACILITIES ARE NOT SHOWN ON THESE PLANS.
4. NO CONSTRUCTION AREA SIGNS ARE REQUIRED FOR LOCATIONS 3, 5, 6, 7, 9 AND 10.

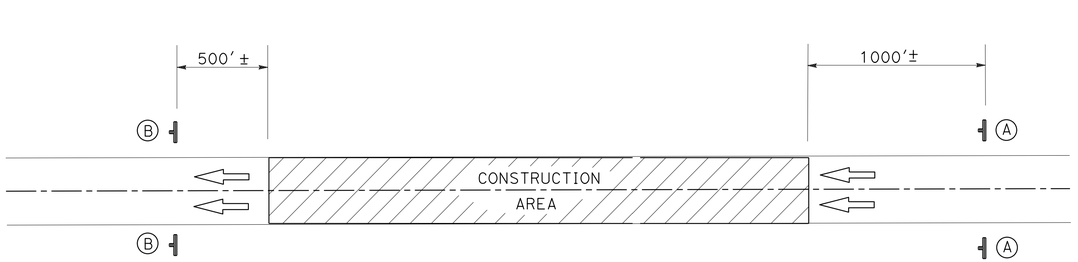
LEGEND:

PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)



CONSTRUCTION AREA SIGNS

WILDCAT CREEK, Br No. 02-0166
SUGAR CREEK, Br No. 02-0167
BEAVER CREEK, Br No. 02-0081
WEED OH, Br No. 02-0082



CONSTRUCTION AREA SIGNS*

PANORAMA UC, Br No. 02-0066
SISKIYOU WAY UC, Br No. 02-0163R
JULIEN CREEK, Br No. 02-0146L
KILLGORE HILLS ROAD UC, Br No. 02-0153R
KLAMATH RIVER ROAD UC, Br No. 02-0133L&R
KLAMATH RIVER Br & Sep, Br No. 02-0134R

* NOTE: ONLY PLACE CONSTRUCTION AREA SIGNS ON THAT SIDE OF THE FREEWAY WHERE CONSTRUCTION ACTIVITIES WILL TAKE PLACE.

LOCAL ROAD CONNECTIONS

LOCATION	Co-Rte-PM	CONNECTION NAME
2	Sis-3-11.12 Sis-3-11.35 Sis-3-11.41	DIRT Rd (Lt) DIRT Rd (Rt) SUGAR CREEK Rd (Lt)
16	Sis-96-88.19 Sis-96-88.25 Sis-96-88.34	DRIVEWAY (Rt) BEAVER CREEK Rd (Lt) DIRT Rd (Lt)
17	Sis-97-0.12 Sis-97-0.23	PARK STREET (Rt) DRIVEWAY (Lt)

C23B(CA) SIGN PANEL DETAIL

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

SIGN No.	TYPE	PANEL SIZE INCHES	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
Ⓐ	W20-1 C23B(CA)	48" x 48" 42" x 24"	ROAD WORK AHEAD BRIDGE MAINTENANCE	1 - 6" x 6"	32
Ⓑ	G20-2	48" x 24"	END ROAD WORK	1 - 4" x 4"	32

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

CALCULATED- DESIGNED BY	ROY CAHILL	REVISED BY	
CHECKED BY	MIKE CONNER	DATE REVISED	
FUNCTIONAL SUPERVISOR	LANCE BROWN		
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	MAINTENANCE		

Caltrans®

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LAST REVISION 02-04-13 | DATE PLOTTED => 06-FEB-2013 | TIME PLOTTED => 08:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5, 96,97	Var	5	32

Roy S Cahill 02-04-13
REGISTERED CIVIL ENGINEER DATE

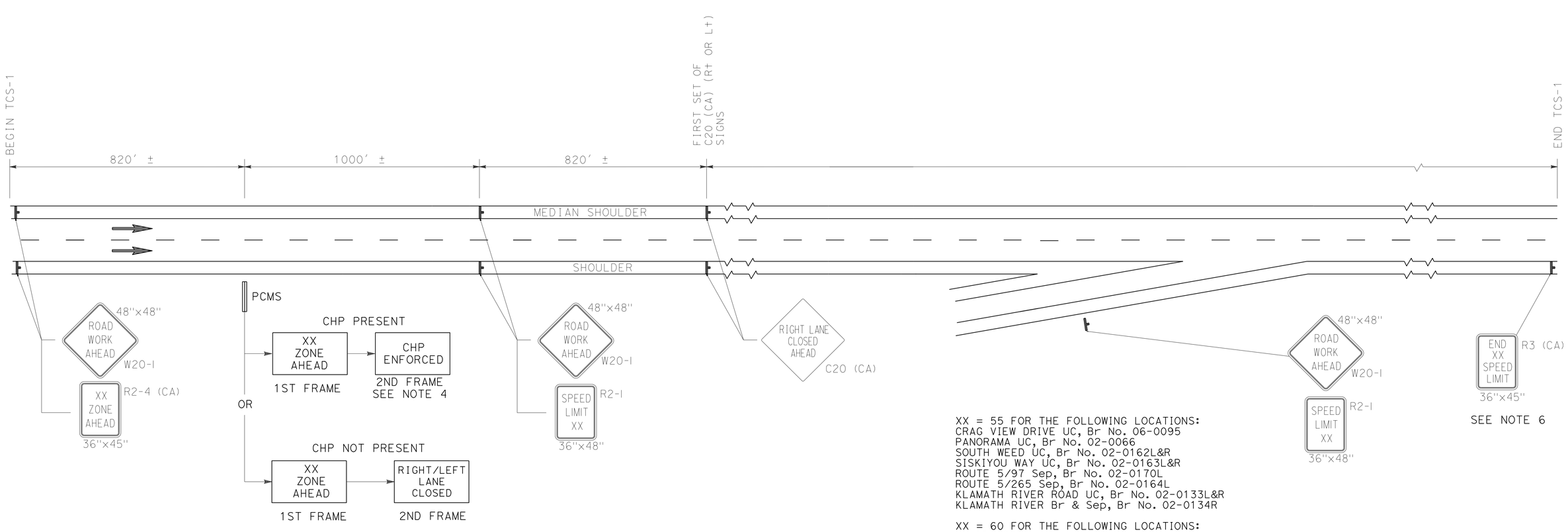
02-04-13
PLANS APPROVAL DATE

ROY S. CAHILL No. C48876 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:

1. EXACT SIGN AND PCMS LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. SEE TRAFFIC CONTROL SYSTEM PLANS FOR LANE CLOSURE.
3. USE THE "CHP ENFORCED" SIGN FRAMES ONLY WHEN COZEEP OFFICERS ARE PRESENT.
4. COVER EXISTING SPEED LIMIT SIGNS WITHIN THE REDUCED SPEED ZONE.
5. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
6. IF THERE IS NO SPEED LIMIT SIGN (R2-1) WITHIN 1 MILE BEYOND THE END OF SPEED LIMIT SIGN (R3) (CA), INSTALL A TEMPORARY APPLICABLE SPEED LIMIT SIGN (R2-1) WITHIN 500 FT +/- OF THE END OF SPEED LIMIT SIGN (R3) (CA).



XX = 55 FOR THE FOLLOWING LOCATIONS:
CRAG VIEW DRIVE UC, Br No. 06-0095
PANORAMA UC, Br No. 02-0066
SOUTH WEED UC, Br No. 02-0162L&R
SISKIYOU WAY UC, Br No. 02-0163L&R
ROUTE 5/97 Sep, Br No. 02-0170L
ROUTE 5/265 Sep, Br No. 02-0164L
KLAMATH RIVER ROAD UC, Br No. 02-0133L&R
KLAMATH RIVER Br & Sep, Br No. 02-0134R

XX = 60 FOR THE FOLLOWING LOCATIONS:
JULIEN CREEK, Br No. 02-0146L
KILLGORE HILLS ROAD UC, Br No. 02-0153R

TYPICAL SIGNING FOR REDUCED SPEED ZONE

CONSTRUCTION AREA SIGNS

NO SCALE **CS-2**

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: ROY CAHILL
CHECKED BY: MIKE CONNER
FUNCTIONAL SUPERVISOR: LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

LAST REVISION | DATE PLOTTED => 06-FEB-2013
02-04-13 | TIME PLOTTED => 08:56

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BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 24e5401a002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02000203191

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5, 96,97	Var	6	32

Roy S Cahill 02-04-13
REGISTERED CIVIL ENGINEER DATE

02-04-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ROY S. CAHILL — No. C48876 — 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.

NOTES:

1. PRE-NOTIFICATION PCMS: PLACE NEAR RAMP AND ACTIVATE APPROXIMATELY 12 HOURS PRIOR TO RAMP CLOSURE.

ENTRANCE RAMP WILL BE CLOSED	TODAY (or TONIGHT) XX:XXPM - XX:XXAM
FRAME 1	FRAME 2

2. RAMP CLOSED PCMS: ACTIVATE DURING RAMP CLOSURE.

SOUTH BOUND ENTRANCE RAMP CLOSED	FOLLOW DETOUR
FRAME 1	FRAME 2

3. PLACE 7 DAYS PRIOR TO RAMP CLOSURE.
4. ADD SIGN(S) ONLY IF SPACING BETWEEN INTERCHANGES IS MORE THAN 5 MILES SPACE SIGN(S) EQUALLY BETWEEN INTERCHANGES WITH MAXIMUM SPACING AT 5 MILES.
5. IF AVAILABLE, EXISTING ROUTE SHIELDS AND DIRECTIONS MAY BE USED IN PLACE OF SIGNS SHOWN.
6. EXIT NUMBER SHOWN AS FOLLOWS.

EXIT NAME	EXIT NUMBER
N DUNSMUIR UC	730

7. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
8. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

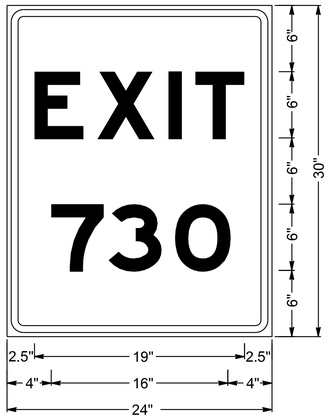
LEGEND:

PORTABLE CHANGEABLE MESSAGE SIGN

CONSTRUCTION AREA SIGN (PORTABLE)

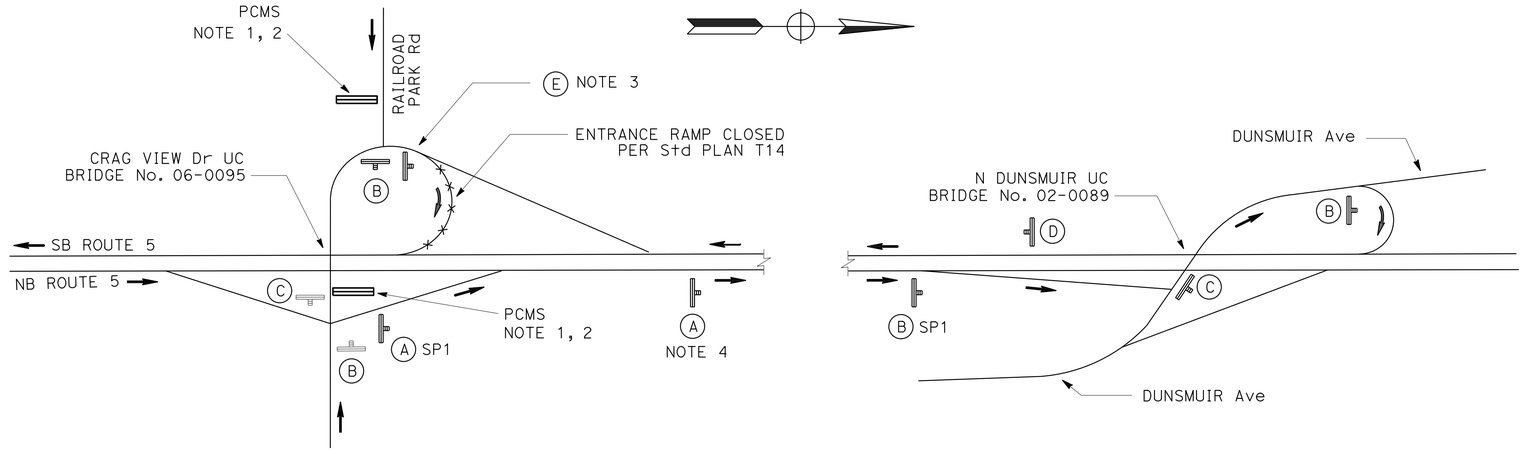
CONSTRUCTION AREA SIGNS (PORTABLE)

SIGN No.	CODE	PANEL SIZE (INCH)	REMARKS
(A)	SC3(CA) G27-2 (5) (CA) M3-3	48 x 18 24 x 24 24 x 12	⬆ "DETOUR" ROUTE SHIELD (5) DIRECTION (SOUTH)
(B)	M4-10 R G27-2 (5) (CA) M3-3	48 x 18 24 x 24 24 x 12	"DETOUR" ➡ ROUTE SHIELD (5) DIRECTION (SOUTH)
(C)	M4-10 L G27-2 (5) (CA) M3-3	48 x 18 24 x 24 24 x 12	⬅ "DETOUR" ROUTE SHIELD (5) DIRECTION (SOUTH)
(D)	M4-8A	24 x 18	"END DETOUR"
(E)	SC6-3(CA)	48 x 48	"RAMP CLOSED" DATE TIME



1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange; [EXIT] E Mod; [642] E Mod;

EXIT NUMBER SIGN (SP1) DETAIL
(SEE NOTE 6)



DETOUR FOR CLOSURE OF SB ROUTE 5 ENTRANCE RAMP FROM CRAG VIEW DRIVE

DETOUR PLAN

NO SCALE

DE-1

ROY CAHILL — CALCULATED-DESIGNED BY
MIKE CONNER — CHECKED BY
LANCE BROWN — FUNCTIONAL SUPERVISOR
REVISED BY — DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE

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LAST REVISION 02-04-13 | DATE PLOTTED => 06-FEB-2013 | TIME PLOTTED => 08:56

BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 24e540mg001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02000203191

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5, 96,97	Var	7	32

Roy S Cahill 02-04-13
REGISTERED CIVIL ENGINEER DATE

02-04-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ROY S. CAHILL — No. C48876 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

NOTES:

1. NEW TRAFFIC STRIPE PATTERN TO MATCH EXISTING TRAFFIC STRIPE PATTERN.
2. REMOVE THERMOPLASTIC TRAFFIC STRIPE APPLIES ONLY TO TRAFFIC STRIPE LOCATED ON THE BRIDGE DECKS.
3. EXISTING UTILITY FACILITIES ARE NOT SHOWN ON THESE PLANS.
4. NEW RUMBLE STRIP TO BE INSTALLED IN SAME LOCATIONS AS EXISTING WHICH WAS REMOVED TO ACCOMMODATE NEW HMA CONFORM TAPERS.
5. STRIPING QUANTITIES INCLUDE THE LENGTH OF EACH BRIDGE, THE LENGTH OF HMA CONFORMS AND APPROXIMATELY 50' BEYOND THE END OF EACH HMA CONFORM.
6. NO RECESSED PAVEMENT MARKERS SHALL BE PLACED ON THE BRIDGE DECKS.

ROADWAY QUANTITIES SUMMARY

Loc	Co	Rte	PM	BRIDGE NUMBER	BRIDGE NAME	BRIDGE APPROACH AND DEPARTURE PAVEMENT			THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)								PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)			REMOVE THERMOPLASTIC TRAFFIC STRIPE	SHOULDER RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)	THERMOPLASTIC PAVEMENT MARKING
						COLD PLANE AC PAVEMENT	HMA (TYPE A)	TACK COAT	DETAIL 12	DETAIL 21	DETAIL 22	DETAIL 25	DETAIL 27B	DETAIL 27C	DETAIL 29	DETAIL 38	TYPE D	TYPE G	TYPE H			
						SQYD	TON	TON	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	LF	Sta	SQFT
1	Sis	3	9.75	02-0166	WILDCAT CREEK	237	42	0.12		231			461							256		
2	Sis	3	11.29	02-0167	SUGAR CREEK	167	30	0.09		214			428									
3	Sha	5	66.84	06-0095	CRAG VIEW DRIVE UC																	
4	Sis	5	1.21	02-0066	PANORAMA UC	608	107	0.31	677			677	677					8	8	773	1.3	
5	Sis	5	R17.44	02-0162L	SOUTH WEED UC																	
6	Sis	5	R17.44	02-0162R	SOUTH WEED UC																	
7	Sis	5	R18.71	02-0163L	SISKIYOU WAY UC																	
8	Sis	5	R18.71	02-0163R	SISKIYOU WAY UC				251			251	251					4	4			
9	Sis	5	R19.05	02-0170L	ROUTE 5/97 Sep																	
10	Sis	5	R19.85	02-0164L	ROUTE 5/265 Sep																	
11	Sis	5	R40.12	02-0146L	JULIEN CREEK				198			198	198					4	4			
12	Sis	5	R42.51	02-0153R	KILLGORE HILLS ROAD UC				192			192	192					4	4			
13	Sis	5	R58.10	02-0133L	KLAMATH RIVER ROAD UC				204			204	204					4	4			
14	Sis	5	R58.10	02-0133R	KLAMATH RIVER ROAD UC	44	8	0.02	214			214	214					4	4		0.2	
15	Sis	5	R58.18	02-0134R	KLAMATH RIVER Br & Sep	44	8	0.02	1152			1152	1152					4	4		0.2	
16	Sis	96	88.26	02-0081	BEAVER CREEK	55	10	0.03		270			500	40								
17	Sis	97	0.15	02-0082	WEED OH	385	68	0.20			162		724	60	230	120	16	6		1353		46*
					SUBTOTAL				2888	715	162	2888	5001	100	230	120	16	38	32			
					TOTAL	1540	273	0.79	12,104								86			2382	1.7	46

* TYPE IV (L) ARROW AND "AHEAD"

CALCULATED-DESIGNED BY: ROY CAHILL
CHECKED BY: MIKE CONNER
REVISED BY / DATE REVISED:
FUNCTIONAL SUPERVISOR: LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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LAST REVISION 02-04-13 | DATE PLOTTED => 07-FEB-2013 | TIME PLOTTED => 13:23

SUMMARY OF QUANTITIES
Q-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5, 96,97	Var	8	32

Dwight D Winterlin 02-04-13
REGISTERED CIVIL ENGINEER DATE

02-04-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DWIGHT WINTERLIN
No. C68438
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

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

NOTES:

1. EXISTING UTILITY FACILITIES ARE NOT SHOWN ON THESE PLANS.
2. IF SPACING OF BRIDGE RAIL POST DO NOT MATCH APPROACH MBGR POST SPACING, LAP WITHIN RECONSTRUCT MBGR AREA.
3. (N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.
4. EXACT LOCATIONS OF MBGR WORK TO BE DETERMINED BY THE ENGINEER.

MBGR QUANTITIES

Loc	Co	Rte	PM	BRIDGE No.	BRIDGE NAME	BRIDGE QUADRANT		REMOVE MBGR	RECONSTRUCT MBGR (WOOD POST)	MBGR (WOOD POST)	TRANSITION RAILING (TYPE WB)	TERMINAL SYSTEM TYPE (N) **	TREATED WOOD WASTE
								LF	LF	LF	EA	EA	LB
1	Sis	3	9.75	02-0166	WILDCAT CREEK	BB	L†	12	50		1	SRT	4034
							R†	25	75		1	SRT	
						EB	L†		62		1	SRT	
							R†		62		1	SRT	
2	Sis	3	11.29	02-0167	SUGAR CREEK	BB	L†		62	12.5	1*	SRT	3684
							R†		62	12.5	1*	SRT	
						EB	L†		62	12.5	1*	SRT	
							R†		75		1*	ET	
7	Sis	5	R18.71	02-0163R	SISKIYOU WAY UC	BB	L†						614
							R†		38	50		SRT	
						EB	L†						
							R†						
17	Sis	97	0.15	02-0082	WEED OH	BB	L†						702
							R†						
						EB	L†	25	25		1		
							R†						
							TOTAL	62	573	87.5	9		9034

* SEE DETAILS ON C-2.
** EXISTING, INCLUDED IN RECONSTRUCT MBGR

DESIGNED BY DWIGHT WINTERLIN
CALCULATED- BY ROY CAHILL
CHECKED BY KRISTI WESTOBY
FUNCTIONAL SUPERVISOR
REVISED BY
DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC

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LAST REVISION 02-04-13
DATE PLOTTED => 06-FEB-2013
TIME PLOTTED => 08:56

SUMMARY OF QUANTITIES
Q-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5 96,97	Var	9	32

GURINDERPAL BHULLAR — REGISTERED CIVIL ENGINEER — 12-7-12 DATE

02-04-13 PLANS APPROVAL DATE

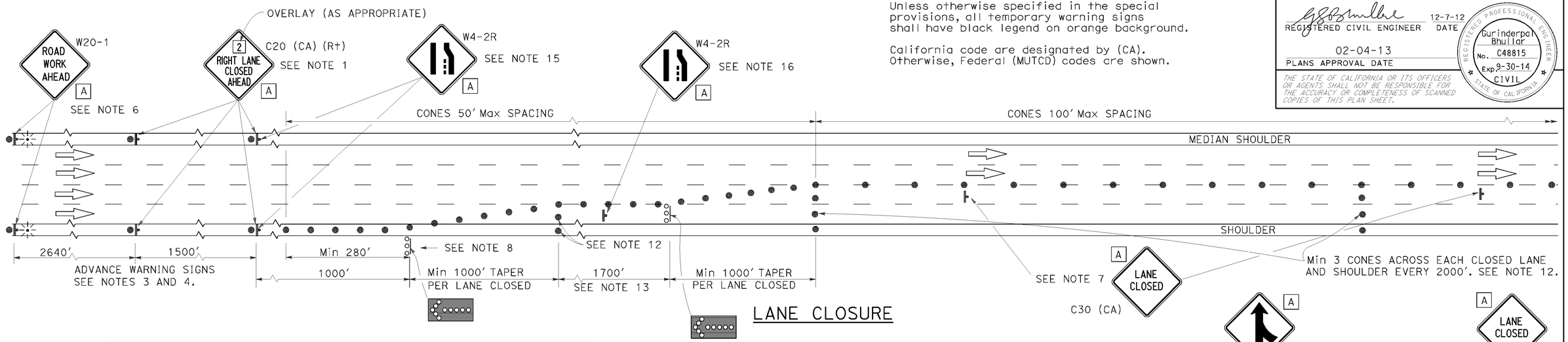
Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

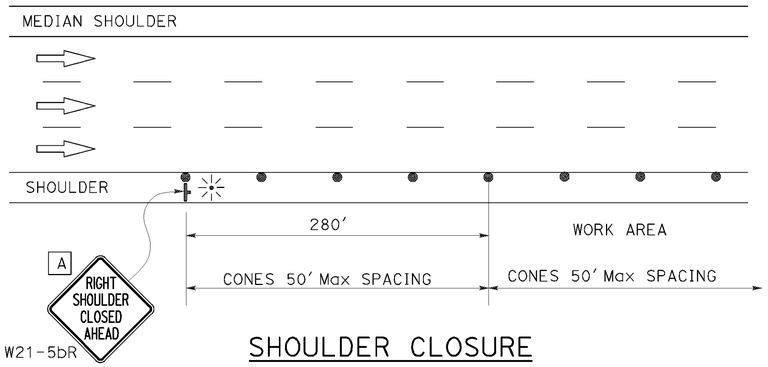
NOTES:

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

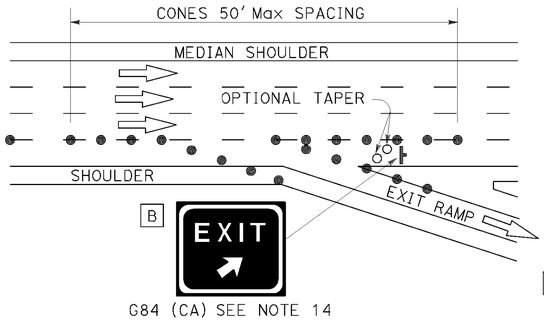
California code are designated by (CA).
Otherwise, Federal (MUTCD) codes are shown.



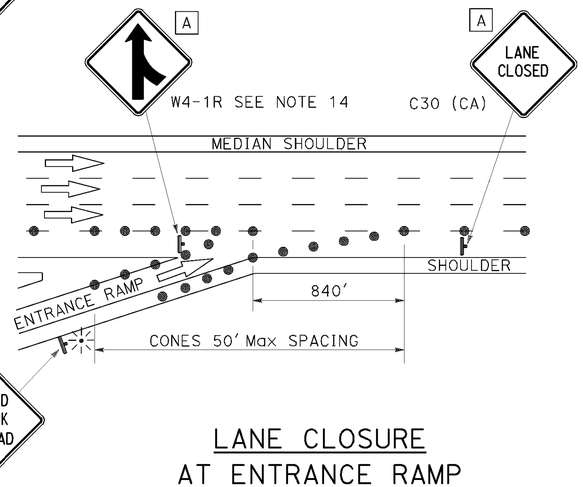
LANE CLOSURE



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" x 48"
B	54" x 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

CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
GURINDERPAL BHULLAR
ROY CAHILL
FUNCTIONAL SUPERVISOR
LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

P:\proj1\02\4E540_plans\pse\24e540uj001.dgn

DATE PLOTTED => 06-FEB-2013
TIME PLOTTED => 08:56

LAST REVISION

BORDER LAST REVISED 7/2/2010
USERNAME => s115152
DGN FILE =>
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0156
PROJECT NUMBER & PHASE 02000203191

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5 96,97	Var	10	32

REGISTERED CIVIL ENGINEER — 12-7-12 DATE

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

02-04-13
PLANS APPROVAL DATE

TYPICAL LANE CLOSURE

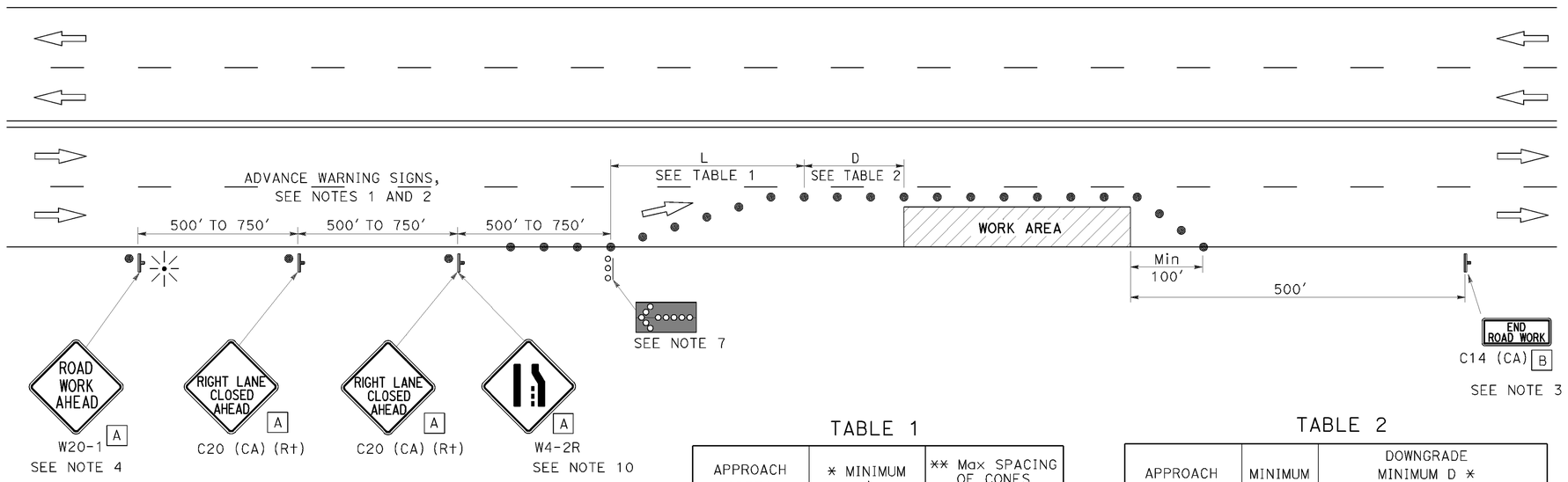


TABLE 1

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" x 36"

B 36" x 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

REVISED BY | DATE REVISED
GURINDERPAL BHULLAR | ROY CAHILL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

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DATE PLOTTED => 06-FEB-2013
TIME PLOTTED => 08:56

LAST REVISION

BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 DGN FILE => | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02000203191

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5 96,97	Var	11	32

REGISTERED CIVIL ENGINEER — 12-7-12 DATE

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

02-04-13
PLANS APPROVAL DATE

LEGEND

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

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 11	

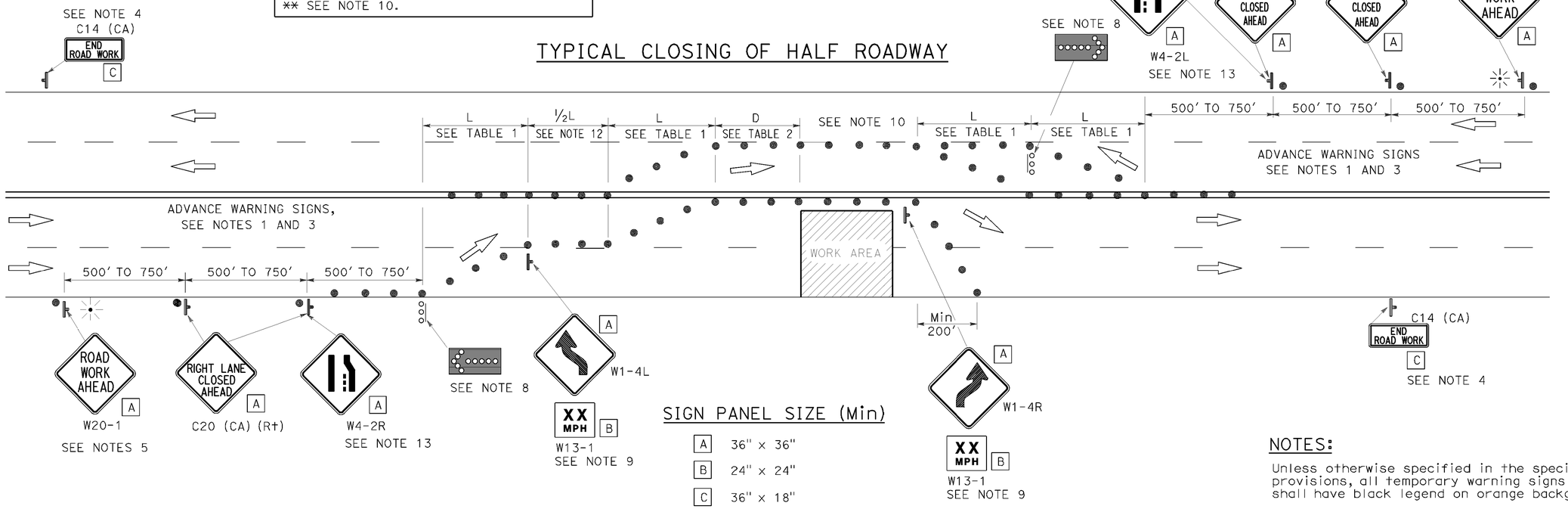
* USE L FOR LANE WIDTHS LESS THAN OR EQUAL TO 12'.
** SEE NOTE 10.

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 11			

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

TYPICAL CLOSING OF HALF ROADWAY



SIGN PANEL SIZE (Min)

- A — 36" x 36"
- B — 24" x 24"
- C — 36" x 18"

NOTES:

1. Where Approach speeds are low, advance warning signs may be placed at 300' spacing and placed closer in urban areas.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.
3. 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.
4. 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.
5. 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.
6. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
7. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
8. Flashing arrow signs shall be either Type I or Type II.
9. Advisory speed will be determined by the Engineer. The W13-1 Sign will not be required when advisory speed is more than the posted or maximum speed limit.
10. The maximum spacing between cones along a tangent shall be 50' and along a taper shall be approximately as shown in Table 1.
11. 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.
12. Unless otherwise specified in the special provisions, the (½ L) shown between the two (L) lane closure tapers shall be used.
13. When specified in the special provisions, a W4-2 "Lane Ends" symbol sign is to be used in place of the C20 (CA) "RIGHT (LEFT) LANE CLOSED AHEAD" sign.

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.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

TCS-3

REVISED BY | DATE REVISED
GURINDERPAL BHULLAR | ROY CAHILL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

DATE PLOTTED => 06-FEB-2013
TIME PLOTTED => 08:57
10-DEC-2012 09:45
LAST REVISION

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BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02000203191

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5 96,97	Var	12	32

REGISTERED CIVIL ENGINEER — 12-7-12 DATE

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

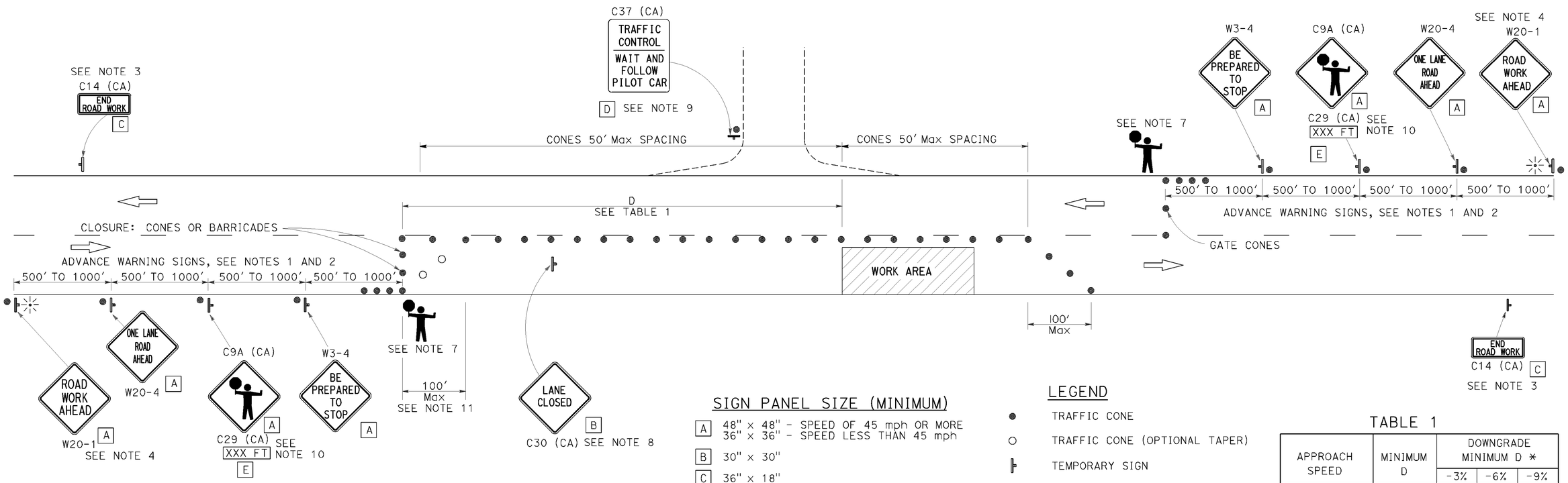
02-04-13
PLANS APPROVAL DATE

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-4

REVISED BY | DATE REVISED
GURINDERPAL BHULLAR | ROY CAHILL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

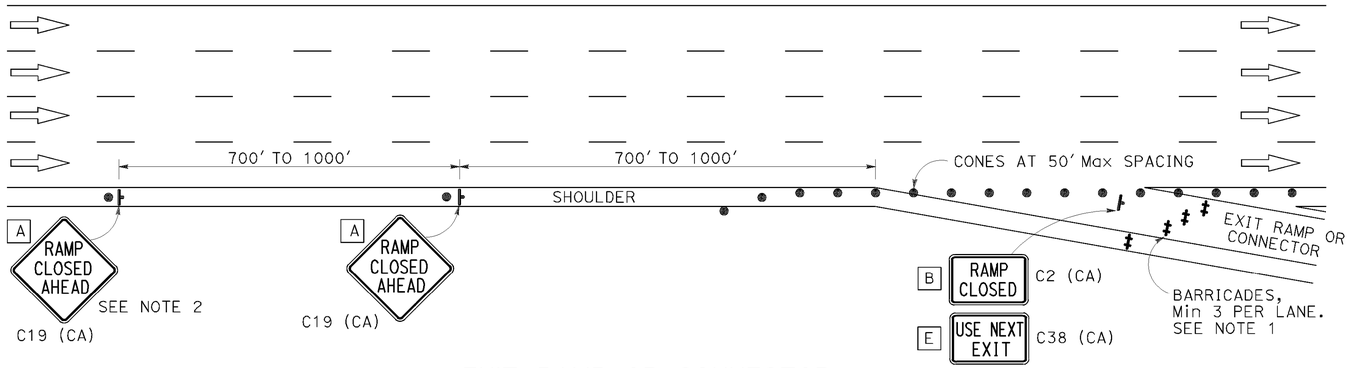
P:\proj1\02\4E540_plans\pse\24e540uj004.dgn

DATE PLOTTED => 06-FEB-2013
TIME PLOTTED => 08:57

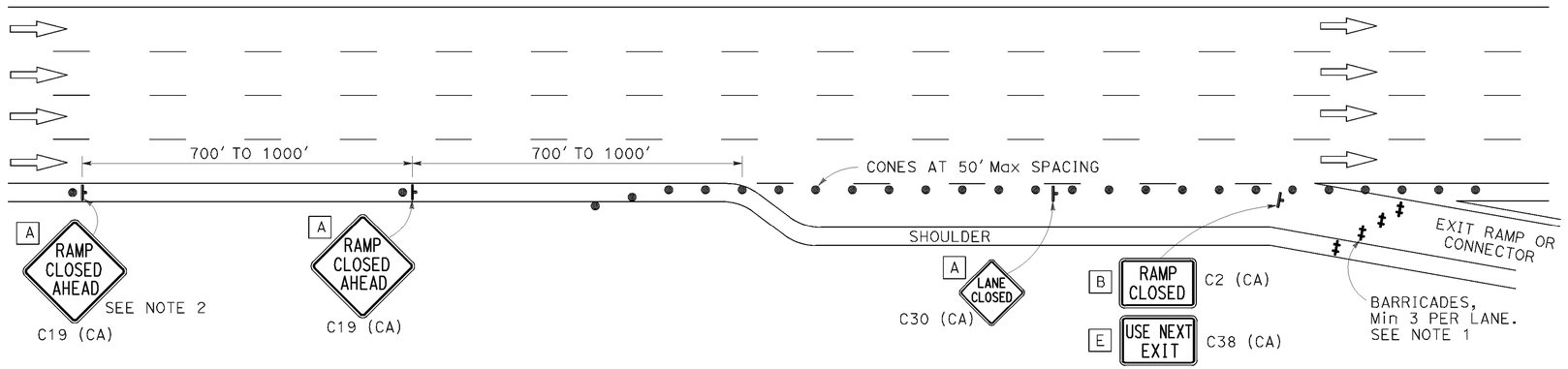
LAST REVISION

BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02000203191

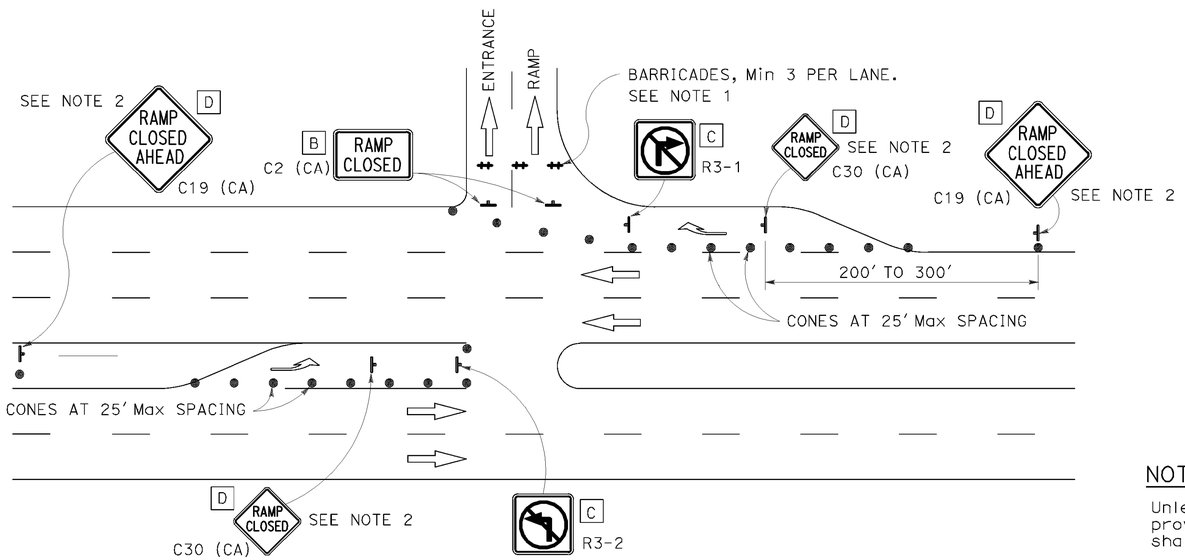
TYPICAL RAMP CLOSURES



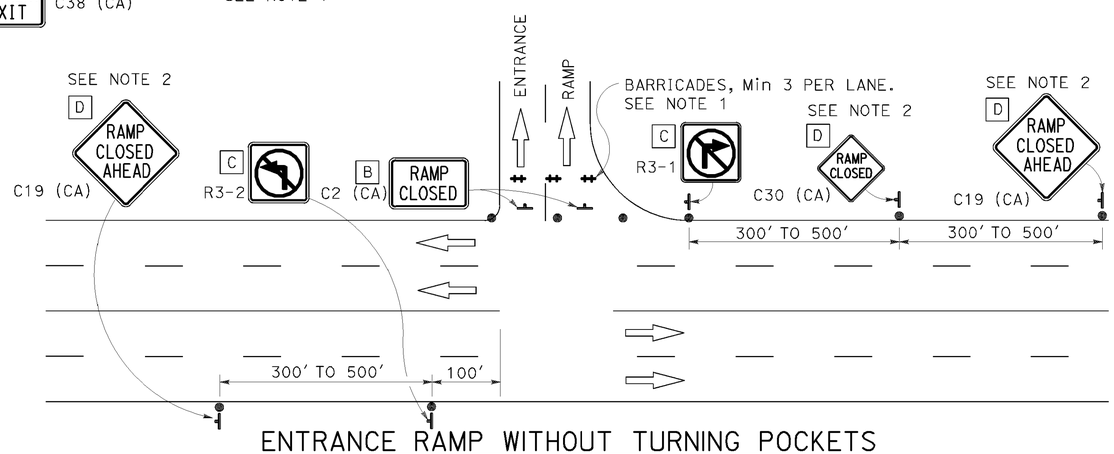
EXIT RAMP OR CONNECTOR



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
02	Sha,Sis	3,5 96,97	Var	13	32

12-7-12
REGISTERED CIVIL ENGINEER — DATE

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

02-04-13
PLANS APPROVAL DATE

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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURE

NO SCALE

TCS-5

REVISED BY | DATE REVISED
GURINDERPAL BHULLAR | ROY CAHILL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN
P:\proj\02\4e540_plans\pse\24e540uj005.dgn
DATE PLOTTED => 06-FEB-2013
TIME PLOTTED => 08:57
LAST REVISION

BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 DGN FILE => | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02000203191

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	3,5 96,97	R48.3/53.1	14	32

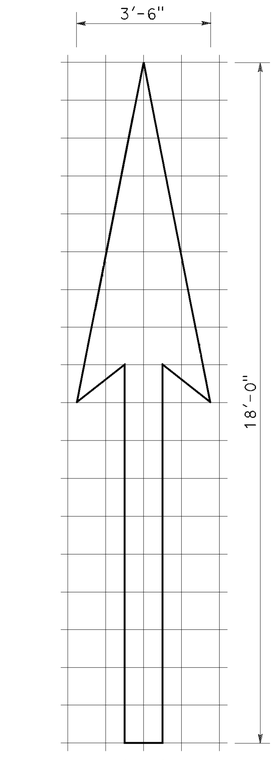
Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

April 20, 2012
PLANS APPROVAL DATE

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

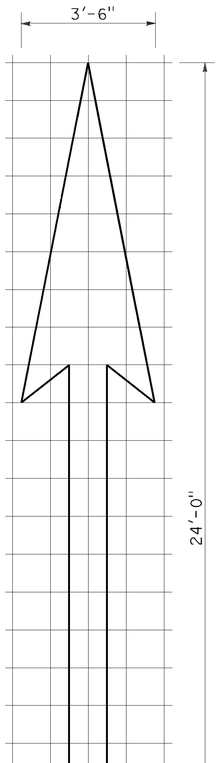
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 02-04-13



A=25 ft²

TYPE I 18'-0" ARROW



A=31 ft²

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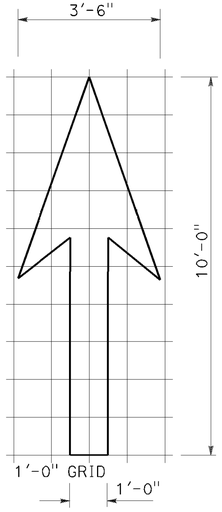
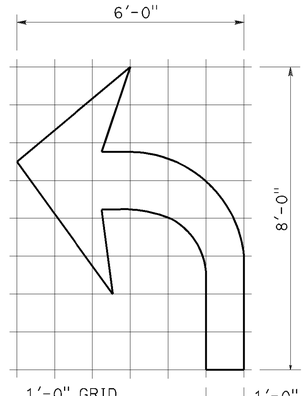


A=14 ft²

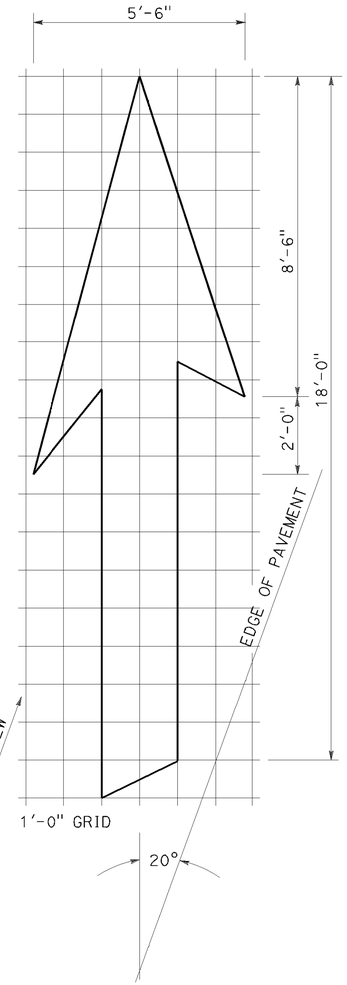
TYPE I 10'-0" ARROW



A=15 ft²

TYPE IV (L) ARROW

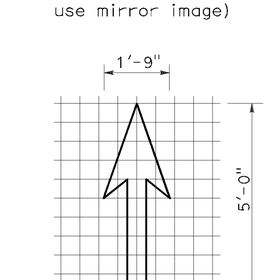
(For Type IV (R) arrow, use mirror image)



A=42 ft²

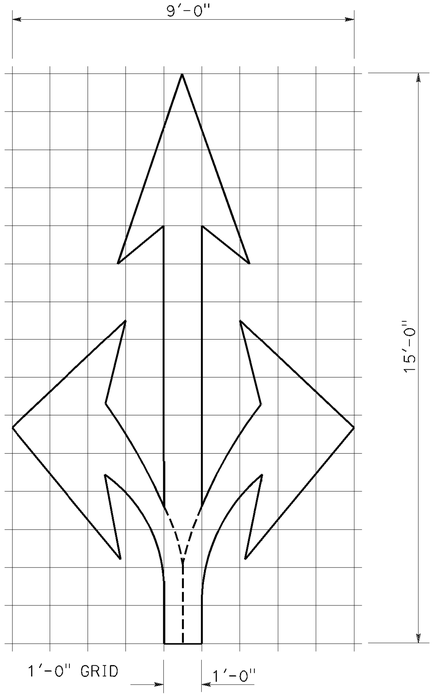
TYPE VI ARROW

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



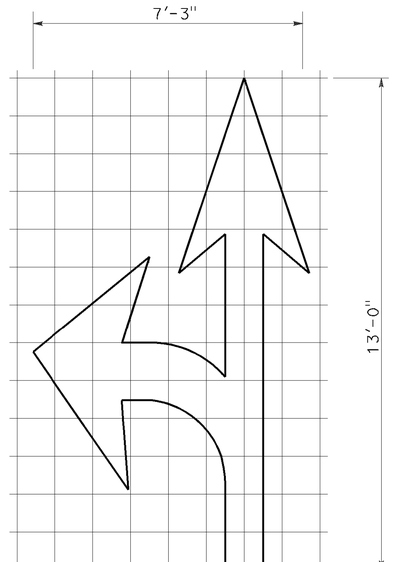
A=3.5 ft²

BIKE LANE ARROW



A=36 ft²

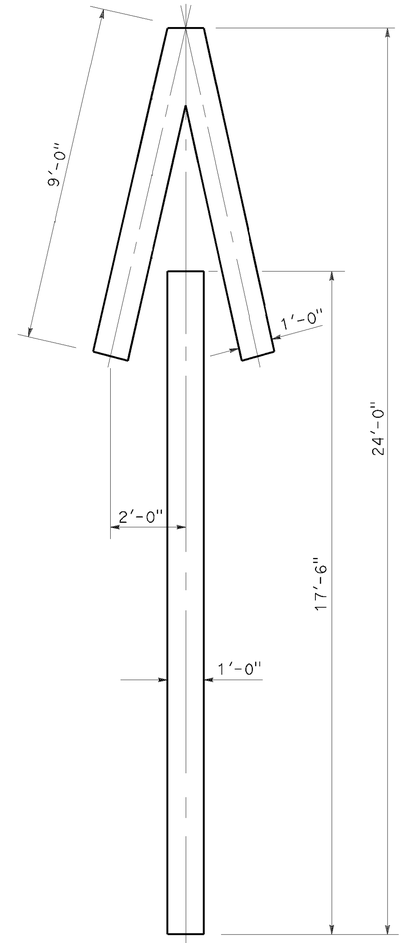
TYPE VIII ARROW



A=27 ft²

TYPE VII (L) ARROW

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



A=33 ft²

TYPE V ARROW

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS ARROWS

NO SCALE

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

REVISED STANDARD PLAN RSP A24A

2010 REVISED STANDARD PLAN RSP A24A

P:\proj1\02\4E540_plans\pse\24e540va001.dgn

USERNAME => s115152
DGN FILE => 24e540va001.dgn

DATE PLOTTED => 06-FEB-2013
TIME PLOTTED => 08:57

3-14-12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis, Sha	3, 5, 96 & 97	Var	15	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIM CAMPBELL
No. 63268
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

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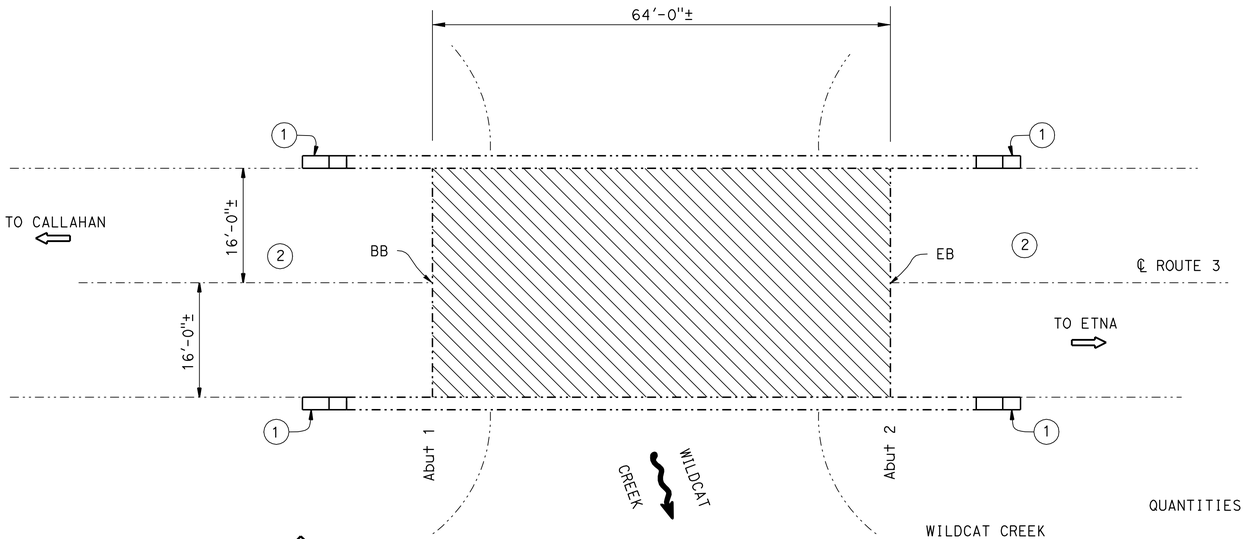
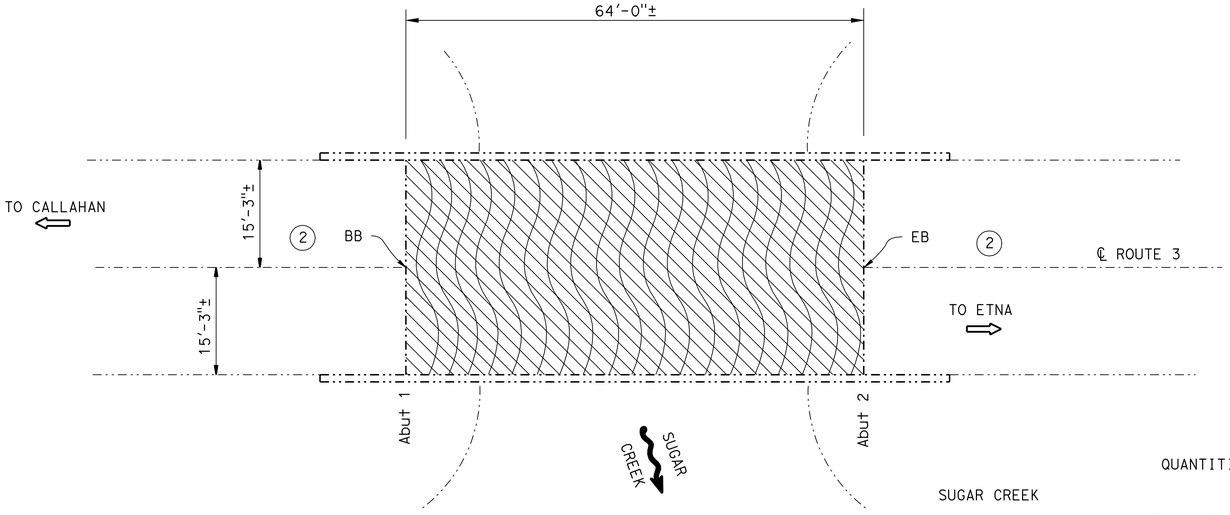


WILDCAT CREEK

Br No. 02-0166, Sis, ROUTE 3, PM 9.75
1"=10'

QUANTITIES

WILDCAT CREEK	BRIDGE NO. 02-0166	
RAPID SETTING CONCRETE (PATCH)	5	CF
REMOVE UNSOUND CONCRETE	5	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	2,048	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	205	CF
PLACE POLYESTER CONCRETE OVERLAY	2,048	SQFT
GALVANIC ANODE	10	EA
CONCRETE BARRIER (TRANSITION ANCHOR BLOCK)	25	LF



SUGAR CREEK

Br No. 02-0167, Sis, ROUTE 3, PM 11.29
1"=10'

QUANTITIES

SUGAR CREEK	BRIDGE NO. 02-0167	
RAPID SETTING CONCRETE (PATCH)	49	CF
REMOVE EPOXY CHIP SEAL	1,952	SQFT
REMOVE UNSOUND CONCRETE	49	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	1,952	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	196	CF
PLACE POLYESTER CONCRETE OVERLAY	1,952	SQFT
GALVANIC ANODE	97	EA

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of prepare concrete bridge deck surface. Furnish and place new 1" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete, place galvanic anode(s) and patch with rapid setting concrete, as shown on "JOINT AND DECK REPAIR DETAIL" on "JOINT SEAL DETAILS NO. 5" sheet.

Indicates limits of remove existing ½"± thick epoxy chip seal.

(1) For "CONCRETE BARRIER (TRANSITION ANCHOR BLOCK) DETAILS" see "THRIE BEAM CONNECTION-TYPE 25 NO.1" sheet.

(2) For approach roadway taper see "ROAD PLANS"

NOTES: (APPLY TO ALL SHEETS)

-·-·-·- Indicates existing.

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

STANDARD PLANS DATED MAY 2010

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

INDEX TO PLANS

Matthew Lee 12-19-12
DESIGN ENGINEER

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD			
DETAILS	BY DAVID KISH	CHECKED DON ACOBA	LAYOUT	BY DAVID KISH	CHECKED TIM CAMPBELL		
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA	SPECIFICATIONS	BY TINA CHEN	PLANS AND SPECS COMPARED TINA CHEN		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 3, 5, 96 & 97 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: 0200020319
CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
11-08-12	6-26-12	10-08-12	10-11-12	1	18

FILE => 02-4e5401_01gp.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis, Sha	3, 5, 96 & 97	Var	16	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — TIM CAMPBELL No. 63268 Exp. 06-30-14 CIVIL — STATE OF CALIFORNIA

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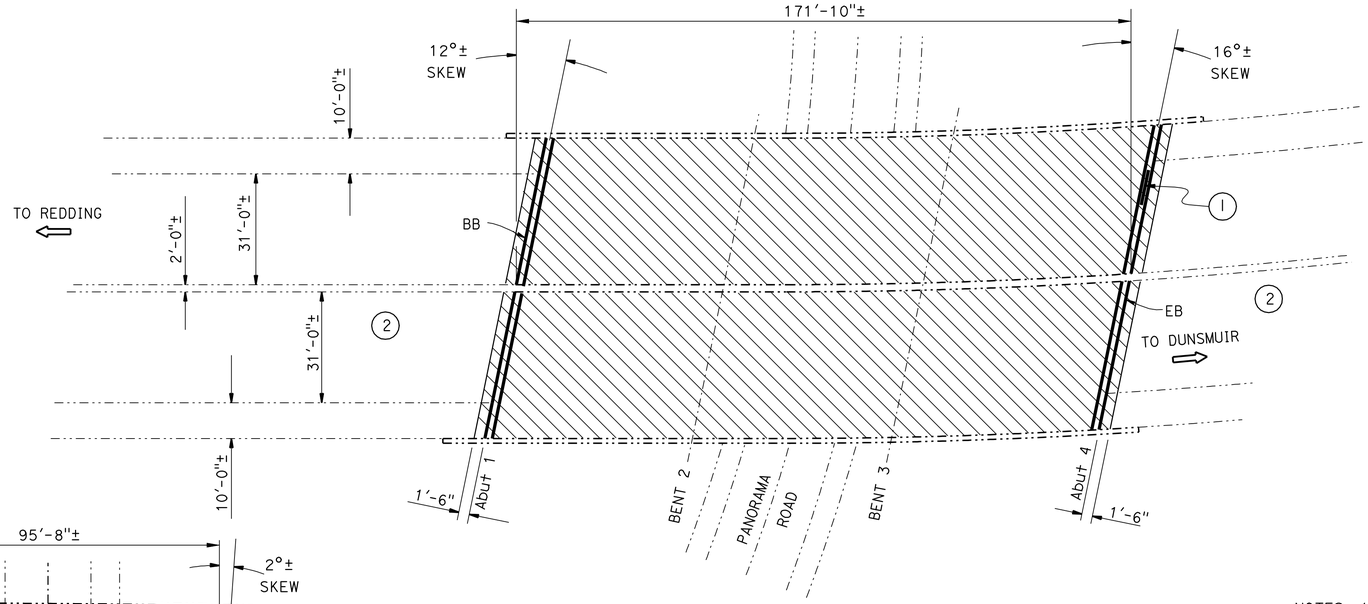

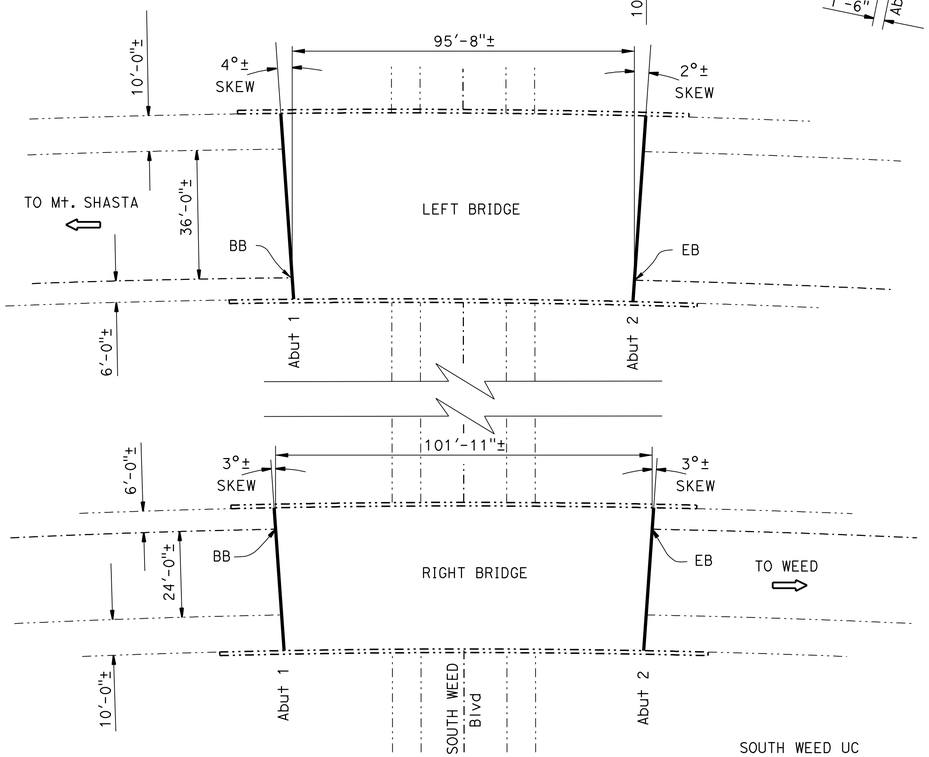

PANORAMA UNDERCROSSING

Br No. 02-0066, Sis, ROUTE 5, PM 1.21
1"=20'

QUANTITIES

PANORAMA UC	BRIDGE NO. 02-0066	
RAPID SETTING CONCRETE (PATCH)	43	CF
REMOVE UNSOUND CONCRETE	43	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	14,344	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	1,435	CF
PLACE POLYESTER CONCRETE OVERLAY	14,344	SQFT
CLEAN EXPANSION JOINT	340	LF
JOINT SEAL (MR 1")	170	LF
JOINT SEAL (MR 1 1/2")	170	LF
GALVANIC ANODE	72	EA

SOUTH WEED UNDERCROSSING

Br No. 02-0162R/L, Sis, ROUTE 5, PM R17.44
1"=20'

QUANTITIES

SOUTH WEED UC	BRIDGE NO. 02-0162L/R	
CLEAN EXPANSION JOINT	187	LF
JOINT SEAL (MR 1")	53	LF
JOINT SEAL (MR 1 1/2")	134	LF

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of prepare concrete bridge deck surface. Furnish and place new 1" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete, place galvanic anode(s) and patch with rapid setting concrete, as shown on "JOINT AND DECK REPAIR DETAIL" on "JOINT SEAL DETAILS NO. 5" sheet.

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

(1) Location of remove unsound concrete and patch 1'-6" x 9" x 6" deep spall with rapid setting concrete, as shown on "JOINT AND DECK REPAIR DETAIL" on "JOINT SEAL DETAILS NO. 5" sheet.

(2) For approach roadway taper see "ROAD PLANS"

Matthew Lee 12-19-12
DESIGN ENGINEER

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	BY DAVID KISH	CHECKED DON ACOBA	LAYOUT	BY DAVID KISH	CHECKED TIM CAMPBELL
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA	SPECIFICATIONS	BY TINA CHEN	PLANS AND SPECS COMPARED TINA CHEN

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.
VARIOUS
POST MILE
VARIES

ROUTE 3, 5, 96 & 97 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: 0200020319
CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
11-08-12	6-26-12	10-08-12	10-17-12	2	18

FILE => 02-4e5401_02gp.dgn

USERNAME => s1096t8 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis, Sha	3,5,96 & 97	Var	17	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — TIM CAMPBELL — No. 63268 — Exp. 06-30-14 — CIVIL — STATE OF CALIFORNIA

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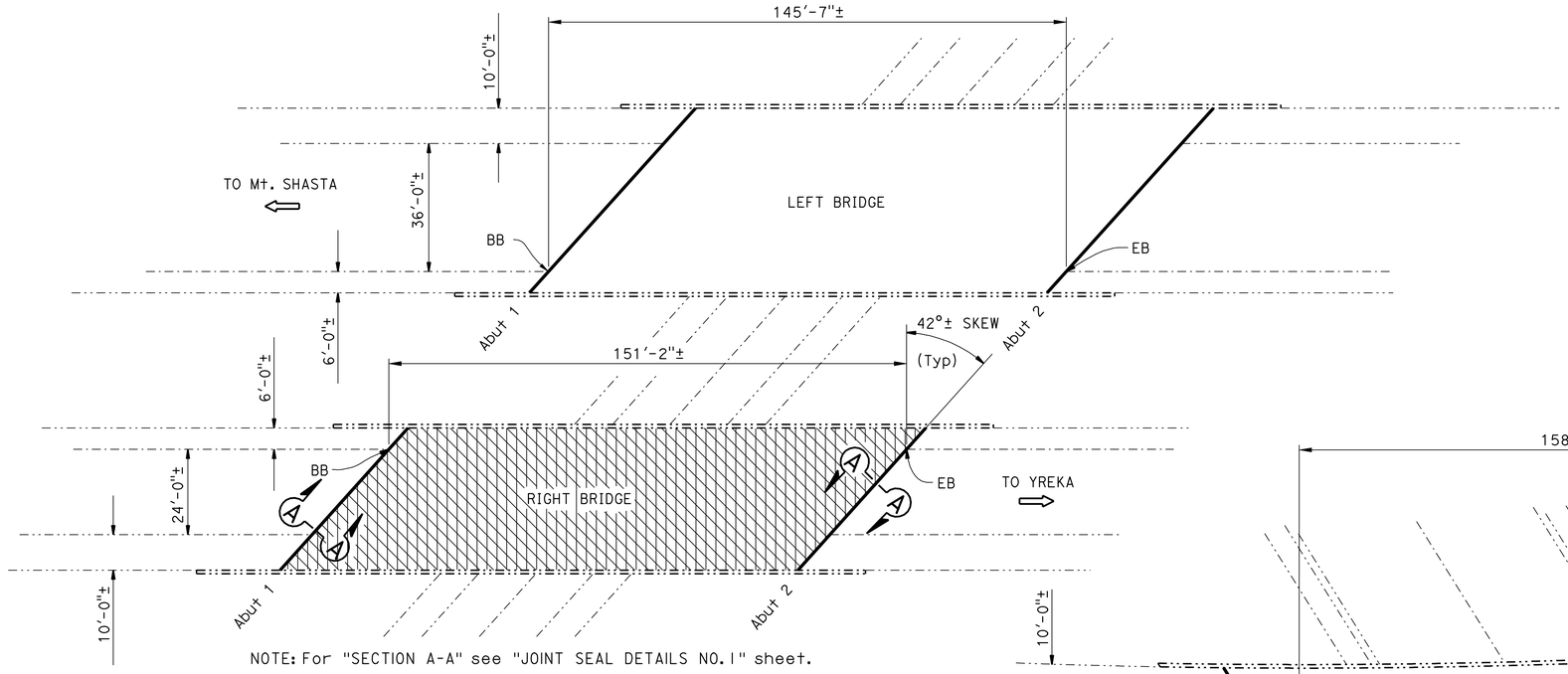


NOTE: For "SECTION A-A" see "JOINT SEAL DETAILS NO.1" sheet.

SISKIYOU WAY UNDERCROSSING

Br No. 02-0163R/L, Sis, ROUTE 5, PM R18.71
1"=20'

QUANTITIES

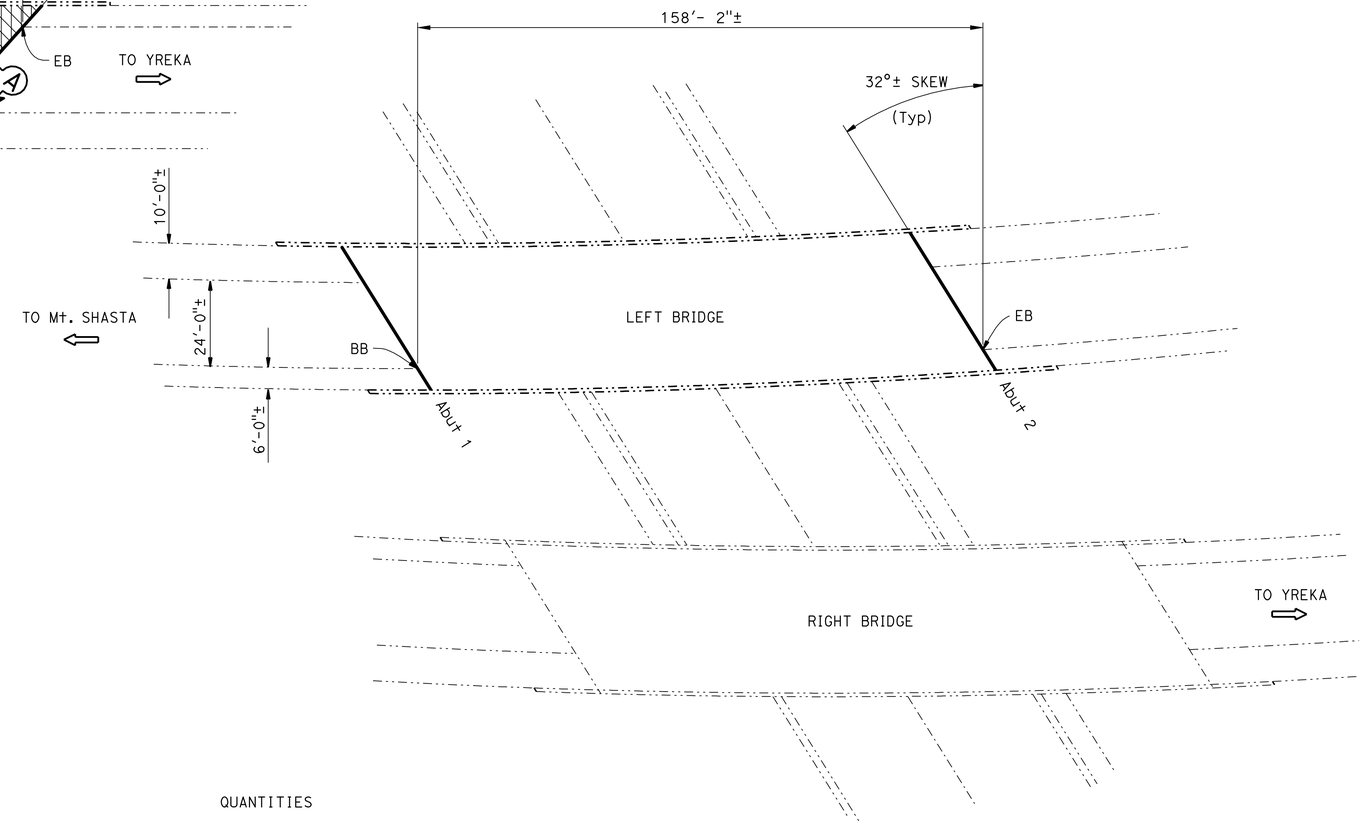
SISKIYOU WAY UC	BRIDGE NO. 02-0163L/R	
RAPID SETTING CONCRETE (PATCH)	15	CF
REMOVE POLYESTER CONCRETE OVERLAY	6,048	SQFT
REMOVE UNSOUND CONCRETE	15	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	6,048	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	605	CF
PLACE POLYESTER CONCRETE OVERLAY	6,048	SQFT
BRIDGE REMOVAL (PORTION), LOCATION A	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE	2	CY
CLEAN EXPANSION JOINT	251	LF
BONDED JOINT SEAL (MR 1")	109	LF
BONDED JOINT SEAL (MR 1 1/2")	142	LF
GALVANIC ANODE	30	EA
BAR REINFORCING STEEL (EPOXY COATED) (BRIDGE)	279	LB

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of remove existing 1"± thick polyester concrete overlay.

Indicates limits of prepare concrete bridge deck surface. Furnish and place new 1" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete, place galvanic anode(s) and patch with rapid setting concrete, as shown on "JOINT AND DECK REPAIR DETAIL" on "JOINT SEAL DETAILS NO. 5" sheet.

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



QUANTITIES

ROUTE 5/97 SEPARATION	BRIDGE NO. 02-0170L	
CLEAN EXPANSION JOINT	96	LF
BONDED JOINT SEAL (MR 1½")	96	LF

ROUTE 5/97 SEPARATION

Br No. 02-0170L, Sis, ROUTE 5, PM R19.05
1"=20'

Matthew W. Lee 12-19-12
DESIGN ENGINEER

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD			
DETAILS	BY DAVID KISH	CHECKED DON ACOBA	LAYOUT	BY DAVID KISH	CHECKED TIM CAMPBELL		
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA	SPECIFICATIONS	BY TINA CHEN	PLANS AND SPECS COMPARED TINA CHEN		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 3, 5, 96 & 97 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: 0200020319
CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES		
12-21-11	6-26-12	10-03-12

SHEET 3 OF 18

FILE => 02-4e5401_03gp.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis, Sha	3,5,96 & 97	Var	18	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIM CAMPBELL
No. 63268
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

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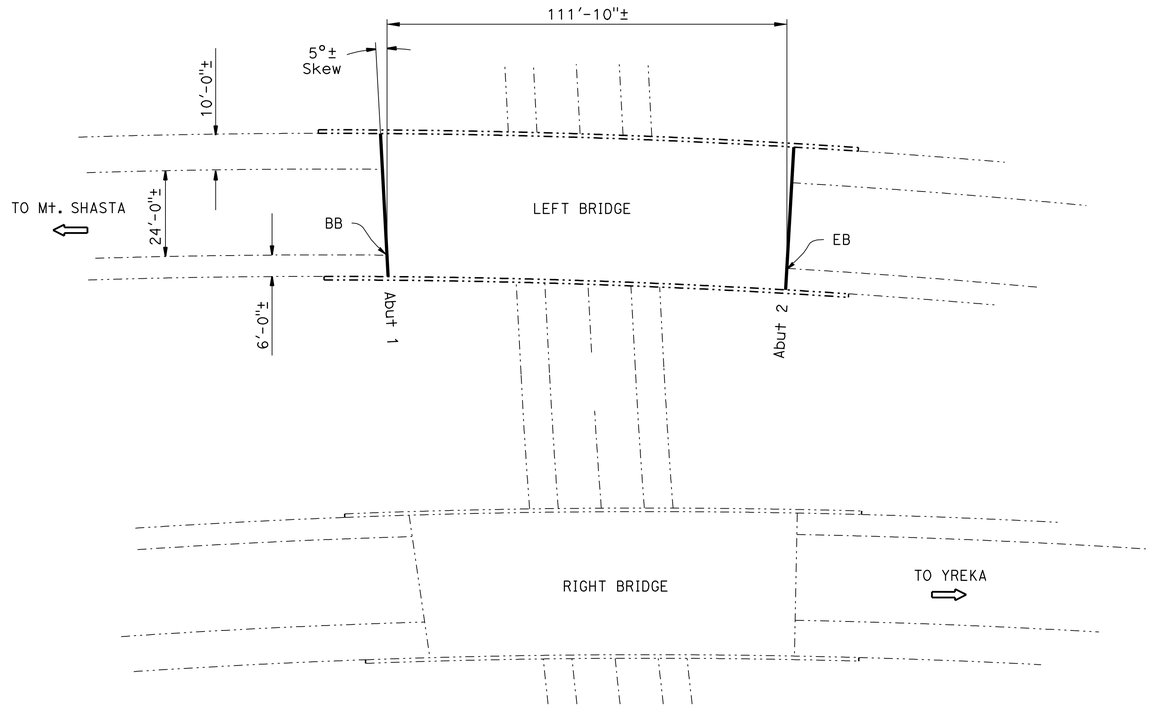
NOTES: (APPLY TO THIS SHEET ONLY)

/ Indicates limits of existing joint seal removal and placement of new joint seal.



ROUTE 5/265 SEPARATION

Br No. 02-0164L, Sis, ROUTE 5, PM R19.85
1"=20'

QUANTITIES

ROUTE 5/265 SEPARATION	BRIDGE NO. 02-0164L
CLEAN EXPANSION JOINT	81 LF
JOINT SEAL (MR 1 1/2")	81 LF

Matthew A. Lee 12-19-12
DESIGN ENGINEER

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD			
DETAILS	BY DAVID KISH	CHECKED DON ACOBA	LAYOUT	BY DAVID KISH	CHECKED TIM CAMPBELL		
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA	SPECIFICATIONS	BY TINA CHEN	PLANS AND SPECS COMPARED TINA CHEN		

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

UNIT: 3488
PROJECT NUMBER & PHASE: 0200020319
CONTRACT NO.: 02-4e5401

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 3, 5, 96 & 97 BRIDGES
GENERAL PLAN NO. 4

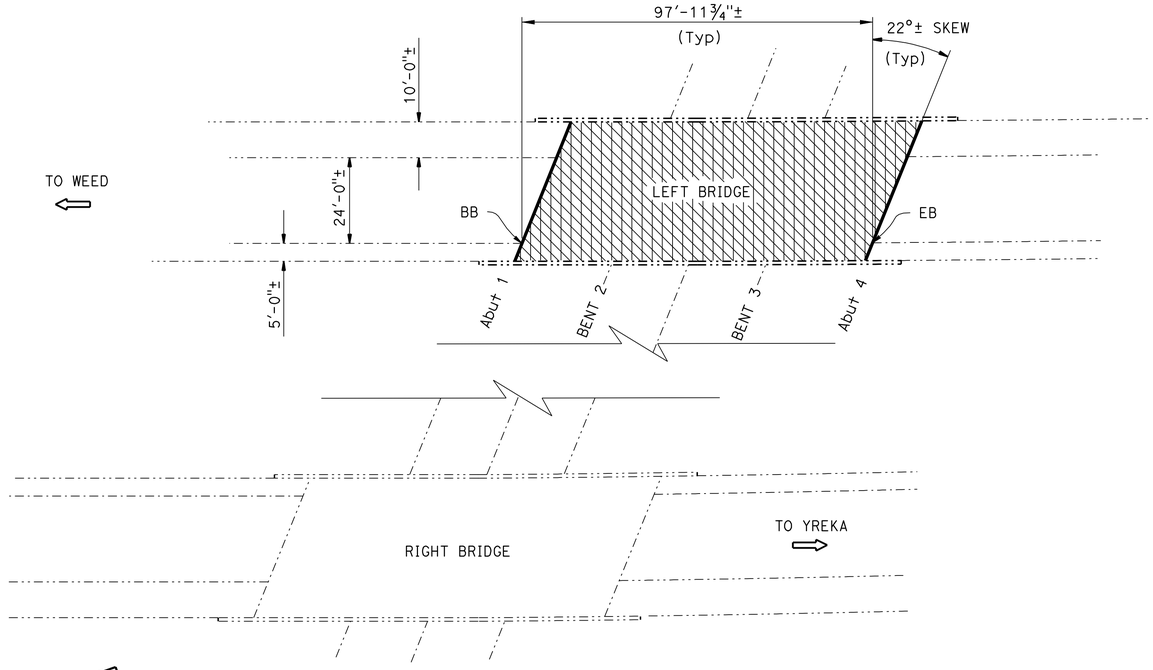
DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES			
12-21-11	6-26-12	8-23-12	

SHEET 4 OF 18

FILE => 02-4e5401_04gp.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27



NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of remove existing ¾"± thick polyester concrete overlay.

Indicates limits of prepare concrete bridge deck surface. Furnish and place new 1" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete, place galvanic anode(s) and patch with rapid setting concrete, as shown on "JOINT AND DECK REPAIR DETAIL" on "JOINT SEAL DETAILS NO. 5" sheet.

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis, Sha	3, 5, 96 & 97	Var	19	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIM CAMPBELL
No. 63268
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

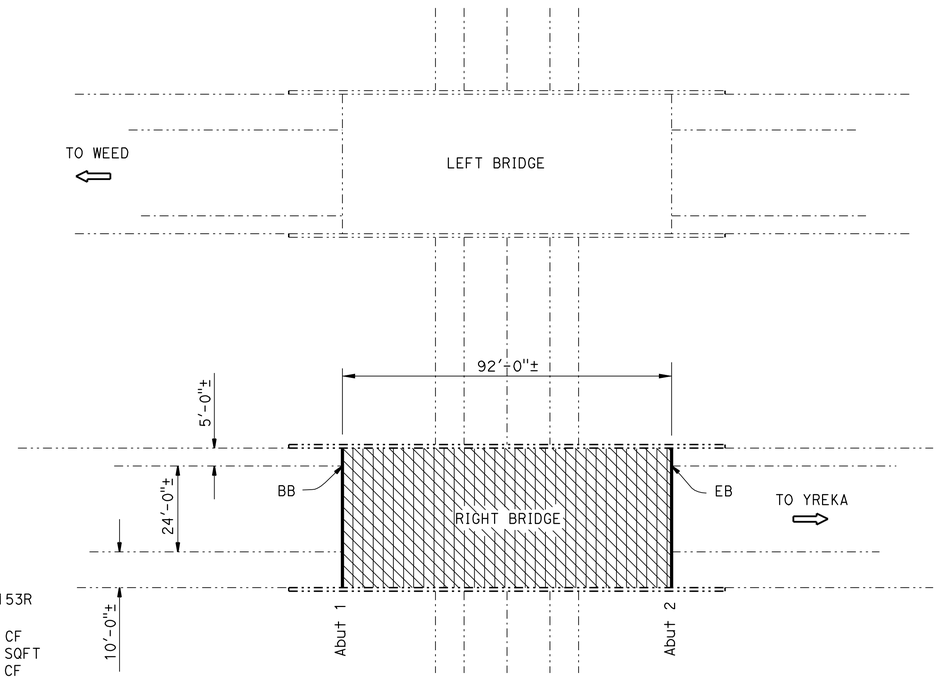
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

JULIEN CREEK

Br No. 02-0146L, Sis, ROUTE 5, PM R40.12
1"=20'

QUANTITIES

JULIEN CREEK	BRIDGE NO. 02-0146L	
RAPID SETTING CONCRETE (PATCH)	10	CF
REMOVE POLYESTER CONCRETE OVERLAY	3,822	SQFT
REMOVE UNSOUND CONCRETE	10	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	3,822	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	383	CF
PLACE POLYESTER CONCRETE OVERLAY	3,822	SQFT
CLEAN EXPANSION JOINT	85	LF
JOINT SEAL (MR 1 1/2")	85	LF
GALVANIC ANODE	19	EA



KILLGORE HILLS ROAD UNDERCROSSING

Br No. 02-0153R, Sis, ROUTE 5, PM R42.51
1"=20'

QUANTITIES

KILLGORE HILLS ROAD UC	BRIDGE NO. 02-0153R	
RAPID SETTING CONCRETE (PATCH)	9	CF
REMOVE POLYESTER CONCRETE OVERLAY	3,588	SQFT
REMOVE UNSOUND CONCRETE	9	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	3,588	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	359	CF
PLACE POLYESTER CONCRETE OVERLAY	3,588	SQFT
CLEAN EXPANSION JOINT	80	LF
JOINT SEAL (MR 1")	40	LF
JOINT SEAL (MR 1½")	40	LF
GALVANIC ANODE	18	EA

Matthew Lee 12-19-12
DESIGN ENGINEER

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	TIM CAMPBELL	DON ACOBA			
DETAILS	DAVID KISH	DON ACOBA	LAYOUT	DAVID KISH	TIM CAMPBELL
QUANTITIES	TIM CAMPBELL	DON ACOBA	SPECIFICATIONS	TINA CHEN	PLANS AND SPECS COMPARED TINA CHEN

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 3, 5, 96 & 97 BRIDGES
GENERAL PLAN NO. 5

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3488
PROJECT NUMBER & PHASE: 0200020319
CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES			SHEET	OF
12-21-11	6-28-12	10-03-12	5	18

FILE => 02-4e5401_05gp.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis, Sha	3, 5, 96 & 97	Var	20	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIM CAMPBELL
No. 63268
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

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

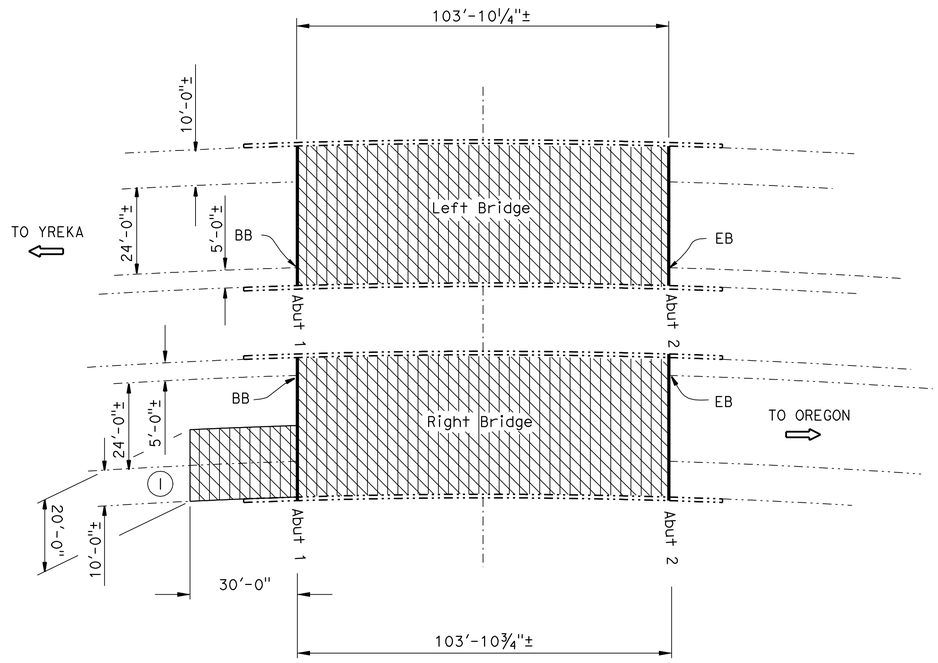
NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of remove existing ¾"± thick polyester concrete overlay.

Indicates limits of prepare concrete bridge deck surface. Furnish and place new 1" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete, place galvanic anode(s) and patch with rapid setting concrete, as shown on "JOINT AND DECK REPAIR DETAIL" on "JOINT SEAL DETAILS NO. 5" sheet.

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

(1) For approach roadway taper see "ROAD PLANS"



KLAMATH RIVER ROAD UNDERCROSSING

Br No. 02-0133R/L, Sis, ROUTE 5, PM R58.1
1"=20′

QUANTITIES

KLAMATH RIVER ROAD UC	BRIDGE NO. 02-0133L/R	
RAPID SETTING CONCRETE (PATCH)	22	CF
REMOVE POLYESTER CONCRETE OVERLAY	8,705	SQFT
REMOVE UNSOUND CONCRETE	22	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	8,705	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	871	CF
PLACE POLYESTER CONCRETE OVERLAY	8,705	SQFT
CLEAN EXPANSION JOINT	158	LF
JOINT SEAL (MR 1 1/2")	158	LF
GALVANIC ANODE	43	EA

Matthew Lee 12-19-12
DESIGN ENGINEER

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD			
DETAILS	BY DAVID KISH	CHECKED DON ACOBA	LAYOUT	BY DAVID KISH	CHECKED TIM CAMPBELL		
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA	SPECIFICATIONS	BY TINA CHEN	PLANS AND SPECS COMPARED TINA CHEN		

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 3, 5, 96 & 97 BRIDGES
GENERAL PLAN NO. 6

UNIT: 3488
PROJECT NUMBER & PHASE: 0200020319 CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
~~12-22-11~~	6-26-12	~~10-08-12~~	10-17-12	6	18

FILE => 02-4e5401_06gp.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis, Sha	3, 5, 96 & 97	Var	21	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIM CAMPBELL
No. 63268
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

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

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of remove existing ¾"± thick polyester concrete overlay.

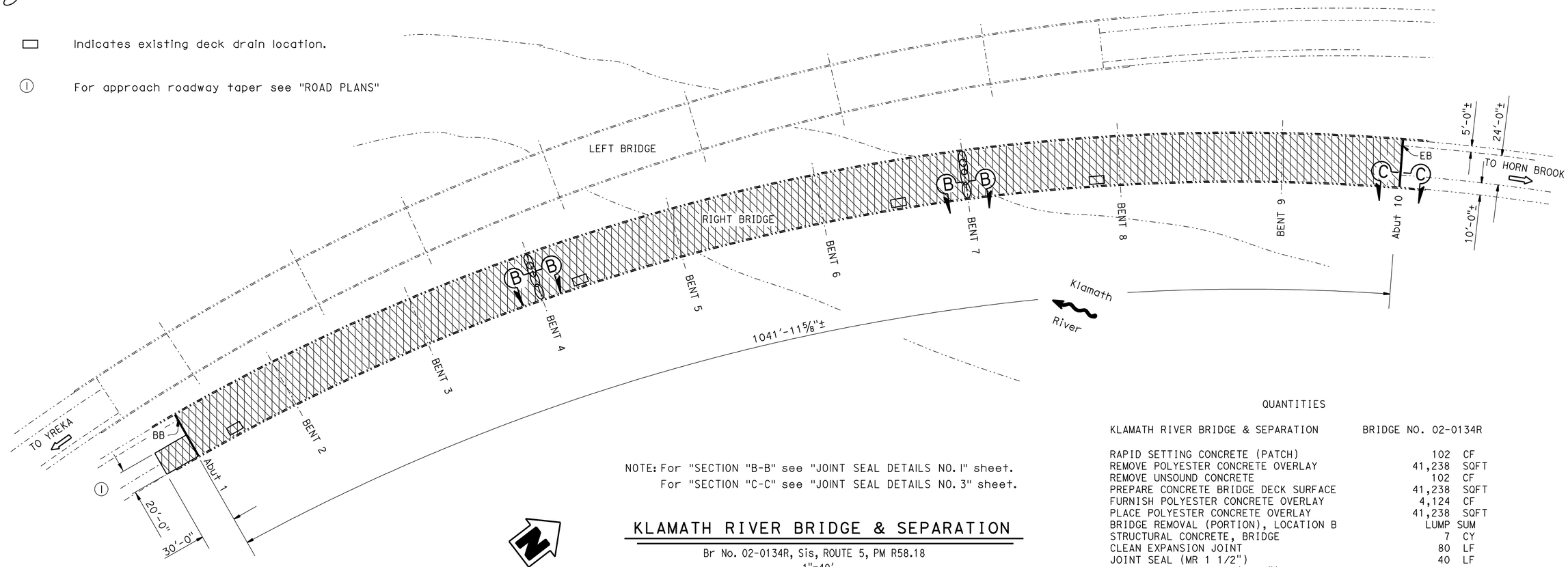
Indicates limits of prepare concrete bridge deck surface. Furnish and place new 1" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete, place galvanic anode(s) and patch with rapid setting concrete, as shown on "JOINT AND DECK REPAIR DETAIL" on "JOINT SEAL DETAILS NO. 5" sheet.

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

Indicates location of remove existing joint seal assembly and place new joint seal assembly.

Indicates existing deck drain location.

(1) For approach roadway taper see "ROAD PLANS"



NOTE: For "SECTION "B-B" see "JOINT SEAL DETAILS NO. 1" sheet.
For "SECTION "C-C" see "JOINT SEAL DETAILS NO. 3" sheet.

KLAMATH RIVER BRIDGE & SEPARATION

Br No. 02-0134R, Sis, ROUTE 5, PM R58.18
1"=40'

QUANTITIES

KLAMATH RIVER BRIDGE & SEPARATION	BRIDGE NO. 02-0134R	
RAPID SETTING CONCRETE (PATCH)	102	CF
REMOVE POLYESTER CONCRETE OVERLAY	41,238	SQFT
REMOVE UNSOUND CONCRETE	102	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	41,238	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	4,124	CF
PLACE POLYESTER CONCRETE OVERLAY	41,238	SQFT
BRIDGE REMOVAL (PORTION), LOCATION B	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE	7	CY
CLEAN EXPANSION JOINT	80	LF
JOINT SEAL (MR 1 1/2")	40	LF
JOINT SEAL ASSEMBLY (MR 4")	79	LF
JOINT SEAL (MR 2")	40	LF
GALVANIC ANODE	203	EA
BAR REINFORCING STEEL (EPOXY COATED) (BRIDGE)	461	LB
CONCRETE BARRIER	4	LF

Matthew Lee 12-19-12
DESIGN ENGINEER

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD			
DETAILS	BY DAVID KISH	CHECKED DON ACOBA	LAYOUT	BY DAVID KISH	CHECKED TIM CAMPBELL		
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA	SPECIFICATIONS	BY TINA CHEN	PLANS AND SPECS COMPARED TINA CHEN		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 3, 5, 96 & 97 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: 0200020319 CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
10-17-12	8-24-12	8-27-12	10-04-12	7	18

FILE => 02-4e5401_07gp.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sis, Sha	3,5,96 & 97	Var	22	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

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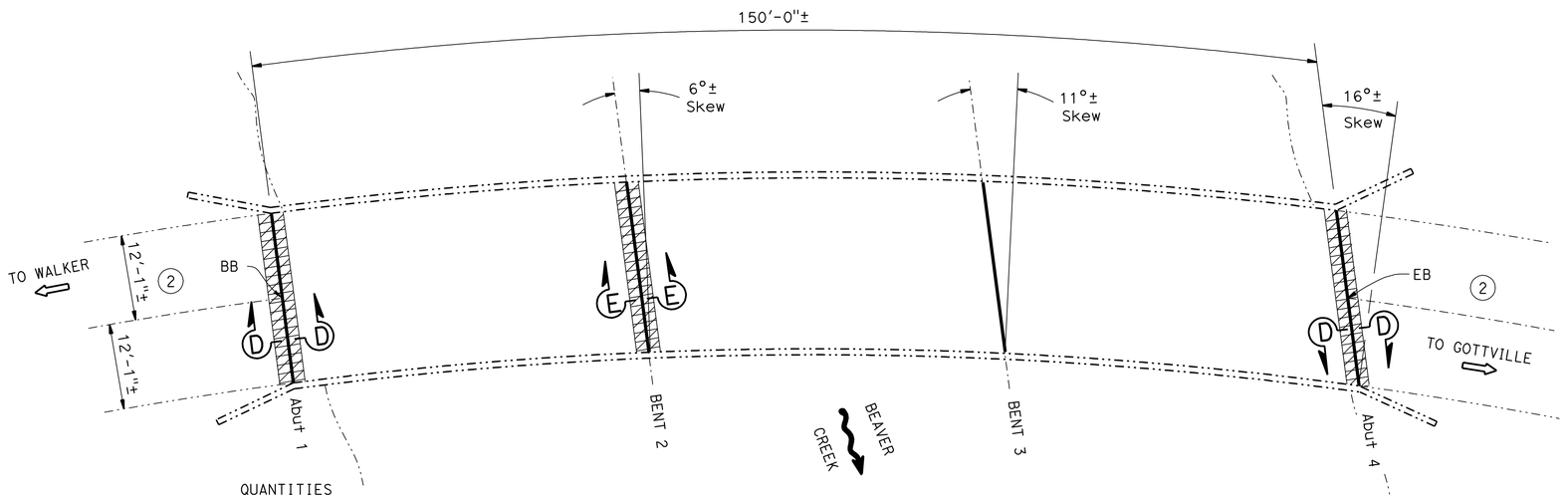
REGISTERED PROFESSIONAL ENGINEER
TIM CAMPBELL
No. 63268
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA



QUANTITIES

BEAVER CREEK	BRIDGE NO. 02-0081	
RECONSTRUCT STEEL BARRIER RAIL POST	6	EA
PREPARE CONCRETE BRIDGE DECK SURFACE	163	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	13	CF
PLACE POLYESTER CONCRETE OVERLAY	163	SQFT
BRIDGE REMOVAL (PORTION), LOCATION C	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE	3	CY
CLEAN EXPANSION JOINT	25	LF
BONDED JOINT SEAL (MR 1")	25	LF
BONDED JOINT SEAL (MR 1 1/2")	75	LF
BAR REINFORCING STEEL (BRIDGE)	374	LB
MISCELLANEOUS METAL (BRIDGE)	1,047	LB

NOTE: For "SECTION D-D" and "SECTION E-E"see "JOINT SEAL DETAILS NO. 4" sheet.

BEAVER CREEK

Br No. 02-0081, Sis, ROUTE 96, PM 88.26
1"=10'

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of prepare concrete bridge deck surface. Furnish and place new 1" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete, place galvanic anode(s) and patch with rapid setting concrete, as shown on "JOINT AND DECK REPAIR DETAIL" on "JOINT SEAL DETAILS NO. 5" sheet.

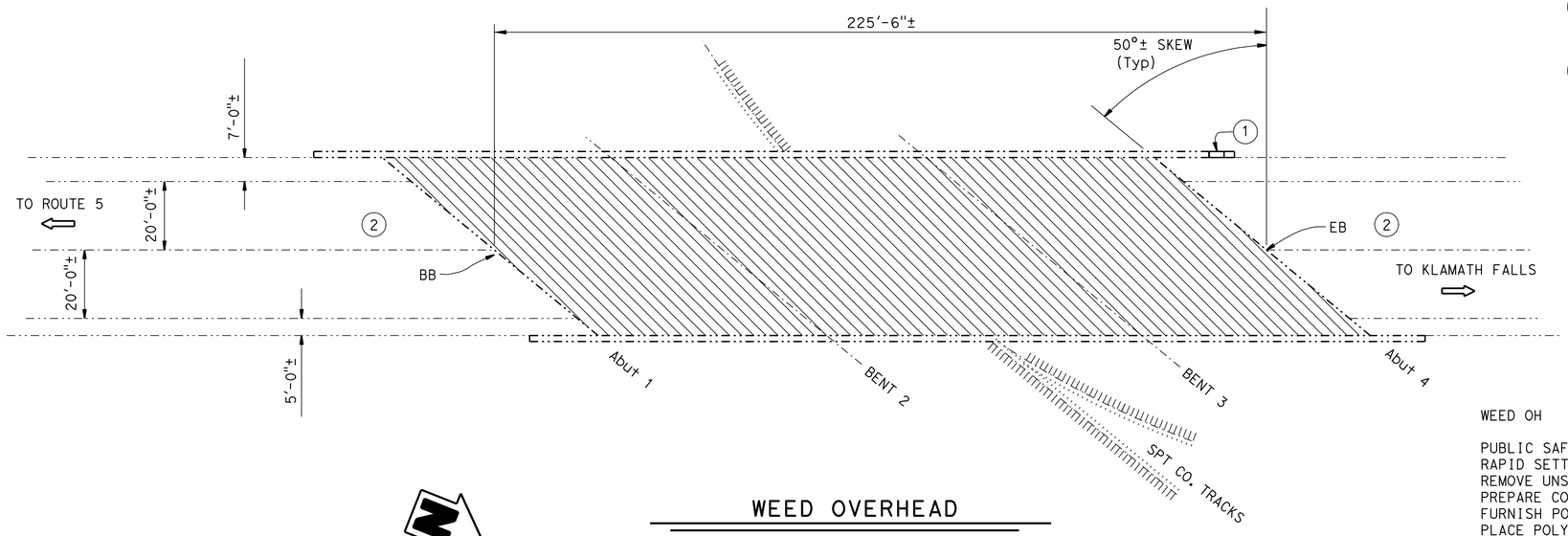
Indicates limits of bridge removal (portion).

Indicates limits of prepare concrete bridge deck surface. Furnish and place new polyester concrete overlay.

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

(1) For "CONCRETE BARRIER (TRANSITION ANCHOR BLOCK) DETAILS" see "THRIE BEAM CONNECTION-TYPE 25 NO. 2" sheet.

(2) For approach roadway taper see "ROAD PLANS"



WEED OVERHEAD

Br No. 02-0082, Sis, ROUTE 97, PM 0.15
1"=20'

QUANTITIES

WEED OH	BRIDGE NO. 06-0082	
PUBLIC SAFETY PLAN	LUMP	SUM
RAPID SETTING CONCRETE (PATCH)	29	CF
REMOVE UNSOUND CONCRETE	29	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	11,726	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	880	CF
PLACE POLYESTER CONCRETE OVERLAY	11,726	SQFT
GALVANIC ANODE	59	EA
CONCRETE BARRIER (TRANSITION ANCHOR BLOCK)	5	LF

Matthew W Lee 12-19-12
DESIGN ENGINEER

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD			
DETAILS	BY DAVID KISH	CHECKED DON ACOBA	LAYOUT	BY DAVID KISH	CHECKED TIM CAMPBELL		
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA	SPECIFICATIONS	BY TINA CHEN	PLANS AND SPECS COMPARED TINA CHEN		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.
VARIOUS
POST MILE
VARIES

ROUTE 3, 5, 96 & 97 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: 0200020319 CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
11-08-12	6-26-12	8-27-12	10-04-12	8	18

FILE => 02-4e5401_08gp.dgn

USERNAME => s1096t8 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis, Sha	3, 5, 96 & 97	Var	23	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIM CAMPBELL
No. 63268
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

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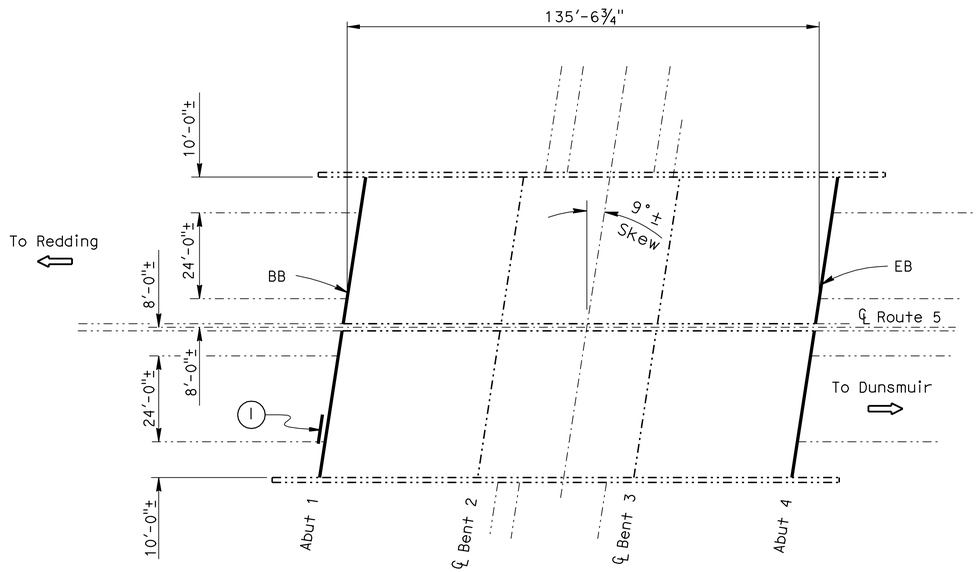


CRAG VIEW DRIVE UNDERCROSSING

Br No. 06-0095, Sha, Route 5, PM 66.84
1"=20'

NOTES: (APPLY TO THIS SHEET ONLY)

(1) Location of remove unsound concrete and patch 1'-6" x 9" x 6" deep spall with rapid setting concrete, as shown on "JOINT AND DECK REPAIR DETAIL" on "JOINT SEAL DETAILS NO. 5" sheet.

/ Indicates limits of existing joint seal removal and placement of new joint seal.

QUANTITIES

CRAG VIEW DRIVE UC	BRIDGE NO. 06-0095
RAPID SETTING CONCRETE (PATCH)	1 CF
REMOVE UNSOUND CONCRETE	1 CF
CLEAN EXPANSION JOINT	168 LF
JOINT SEAL (MR 1 1/2")	168 LF

Matthew Wilkes 12-19-12
DESIGN ENGINEER

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
DETAILS	BY DAVID KISH	CHECKED DON ACOBA	LAYOUT	BY DAVID KISH	CHECKED TIM CAMPBELL		
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA	SPECIFICATIONS	BY TINA CHEN	PLANS AND SPECS COMPARED TINA CHEN		

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 3, 5, 96 & 97 BRIDGES
GENERAL PLAN NO. 9

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

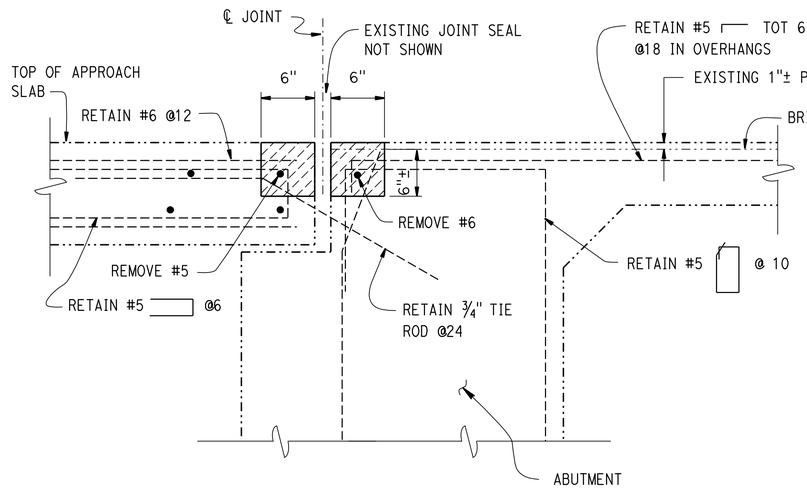
UNIT: 3488
PROJECT NUMBER & PHASE: 0200020319
CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

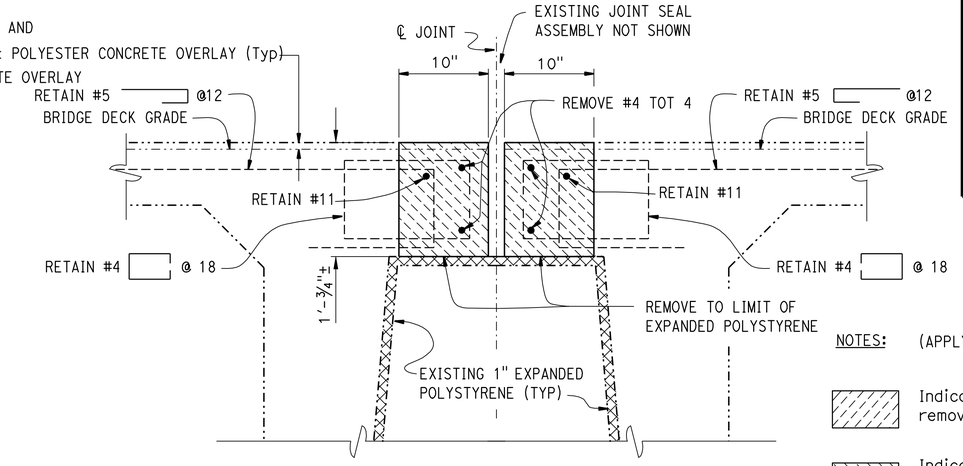
REVISION DATES				SHEET	OF
12-29-11	6-22-12	7-30-12	11-08-12	9	18

FILE => 02-4e5401_09gp.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27



EXISTING



EXISTING

NOTES: (APPLY TO THIS SHEET ONLY)

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

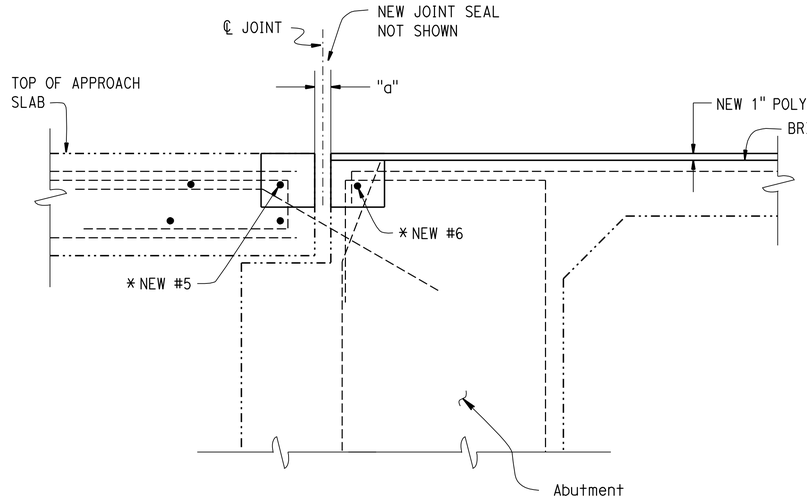
Indicates limits of remove existing concrete and joint seal assembly. Retain existing reinforcing steel as noted.

"a" Reconstructed gap width as determined by Engineer.

"b" Reconstructed gap width see "JOINT SEAL ASSEMBLY DETAILS (MAXIMUM MOVEMENT RATING = 4")" sheet.

* Bar reinforcing steel (Epoxy Coated)

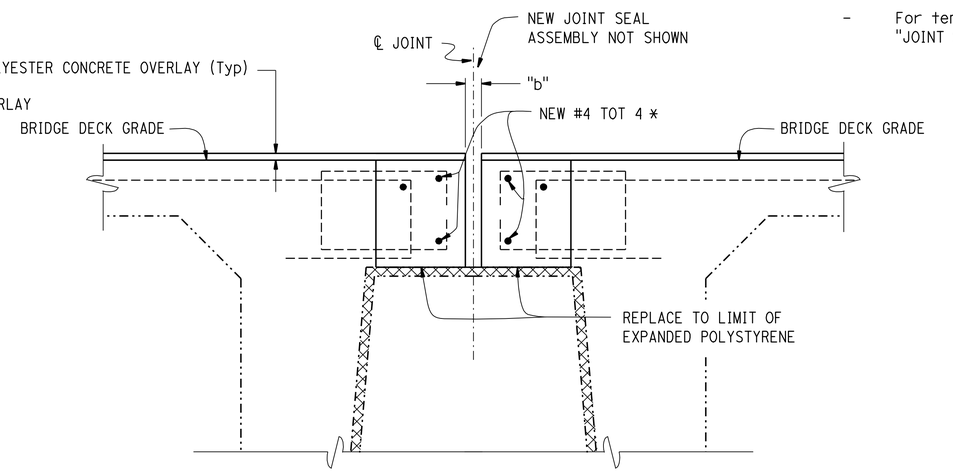
- For temporary deck plate load criteria see "JOINT SEAL DETAILS NO. 3" sheet



RECONSTRUCTION

SECTION A-A

BRIDGE NO. 02-0163R
NO SCALE



RECONSTRUCTION

NOTE: For deck overhang details see "JOINT SEAL DETAILS NO. 2" sheet.

SECTION B-B

BRIDGE NO. 02-0134R
NO SCALE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sis, Sha	3,5,96 & 97	Var	24	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIM CAMPBELL
No. 63268
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

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DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	
DETAILS	BY DAVID KISH	CHECKED DON ACOBA	
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 3, 5, 96 & 97 BRIDGES
JOINT SEAL DETAILS 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: 0200020319 CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
7-03-12	10-04-12	10-17-12		10	18

FILE => 02-4e5401_10-jtseal-det.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of remove existing concrete and joint seal assembly and place new concrete and joint seal assembly. Retain existing reinforcing steel (except where noted)

* Bar reinforcing steel (Epoxy Coated)

☆ Indicates match existing dimension.

① Cut or bend existing longitudinal reinforcement as required to clear new joint seal assembly.

② Limits of remove existing concrete barrier and place new concrete barrier.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis, Sha	3,5,96 & 97	Var	25	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — TIM CAMPBELL — No. 63268 — Exp. 06-30-14 — CIVIL — STATE OF CALIFORNIA

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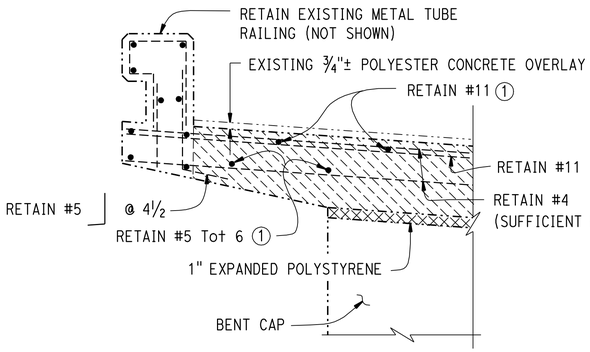

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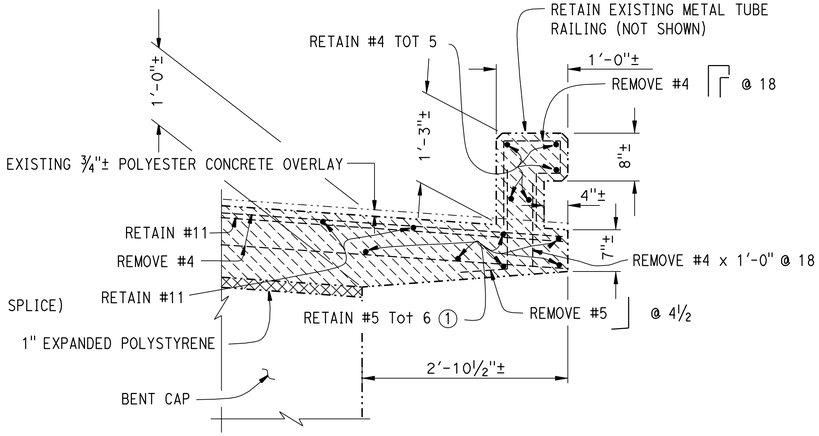

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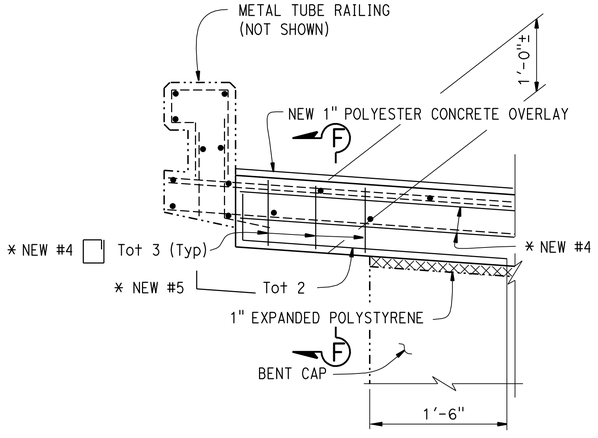
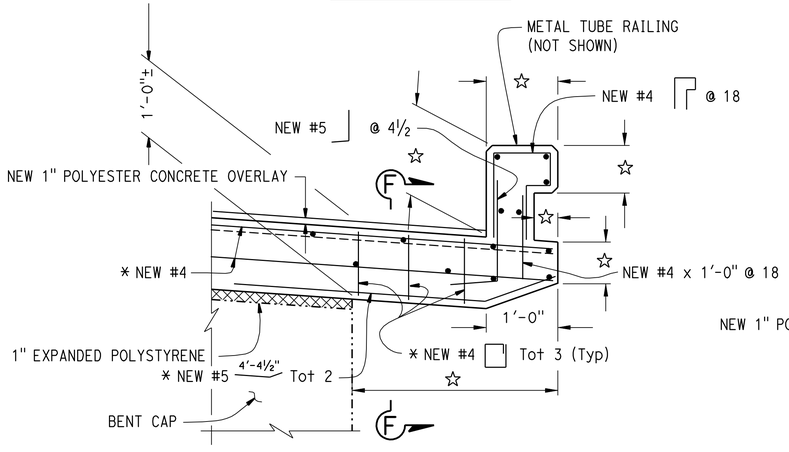


RECONSTRUCTION

DECK OVERHANG DETAILS
HIGH SIDE OF DECK

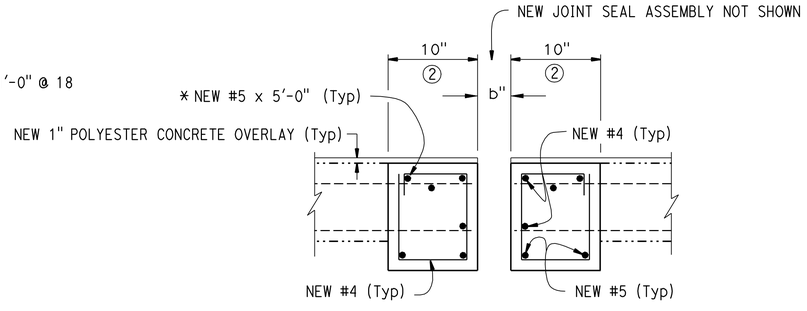
BRIDGE NO. 02-0134R
NO SCALE



RECONSTRUCTION

DECK OVERHANG DETAILS
LOW SIDE OF DECK

BRIDGE NO. 02-0134R
NO SCALE



SECTION F-F

BRIDGE NO. 02-0134R
NO SCALE

DESIGN	BY Tim Campbell	CHECKED DON ACOBA	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS
DETAILS	BY David Kish	CHECKED DON ACOBA			POST MILE VARIES
QUANTITIES	BY Tim Campbell	CHECKED DON ACOBA			

ROUTE 3, 5, 96 & 97 BRIDGES
JOINT SEAL DETAILS 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: 0200020319 CONTRACT NO.: 02-4e5401

FILE => 02-4e5401_11-jtseal-det.dgn

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
11-08-12	7-31-12	8-21-12	10-16-12	11	18

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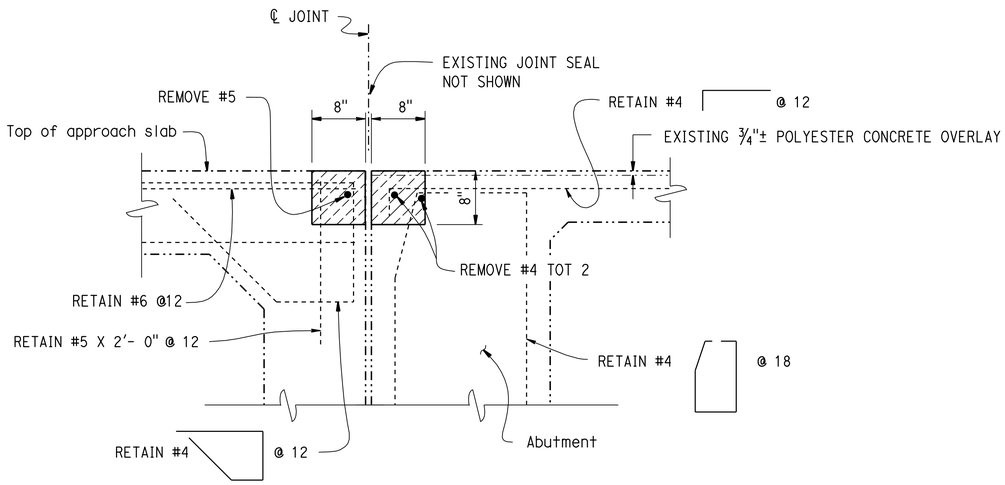

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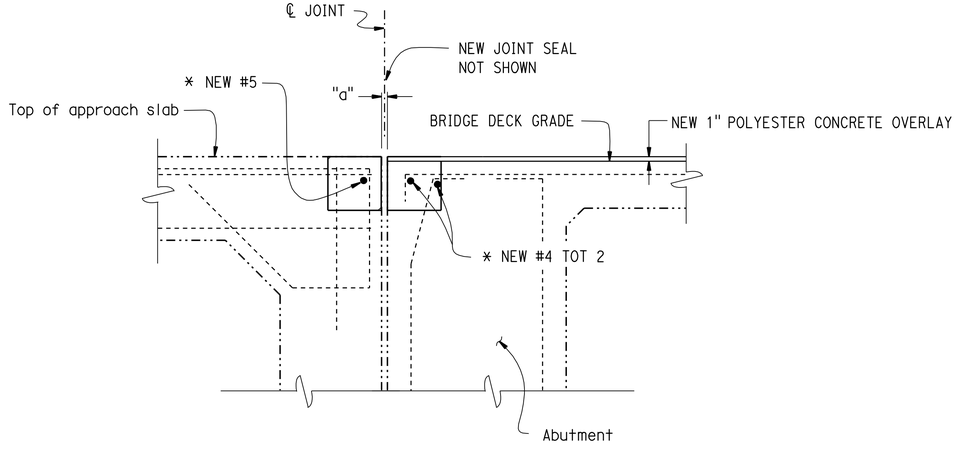

RECONSTRUCTION

SECTION C-C

BRIDGE NO. 02-0134R
NO SCALE

NOTES: (APPLY TO THIS SHEET ONLY)

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

"a" Reconstructed gap width as determined by Engineer.

* Bar reinforcing steel (Epoxy Coated)

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:	f_y = 60,000 psi f'_c = 3,600 psi n = 9

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 ≥ ⅞"

Plate deflection shall not be greater than S/300 (S = Span)

Maximum spacing of anchorages is 9"

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis, Sha	3,5,96 & 97	Var	26	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — TIM CAMPBELL — No. 63268 — Exp. 06-30-14 — CIVIL — STATE OF CALIFORNIA

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DESIGN	BY Tim Campbell	CHECKED	DON ACOBA
DETAILS	BY David Kish	CHECKED	DON ACOBA
QUANTITIES	BY Tim Campbell	CHECKED	DON ACOBA

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 3, 5, 96 & 97 BRIDGES
JOINT SEAL DETAILS NO. 3

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

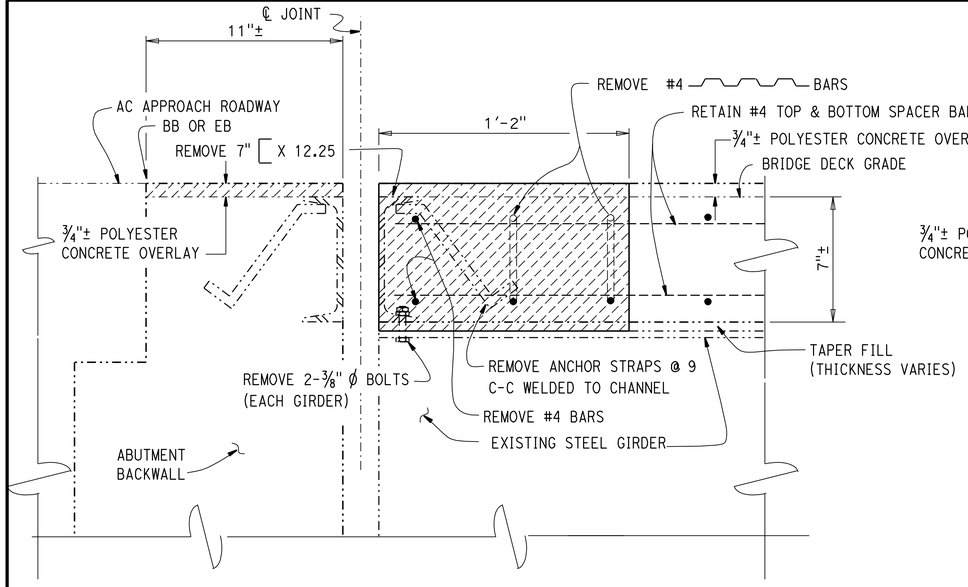
UNIT: 3488
PROJECT NUMBER & PHASE: 0200020319 CONTRACT NO.: 02-4e5401

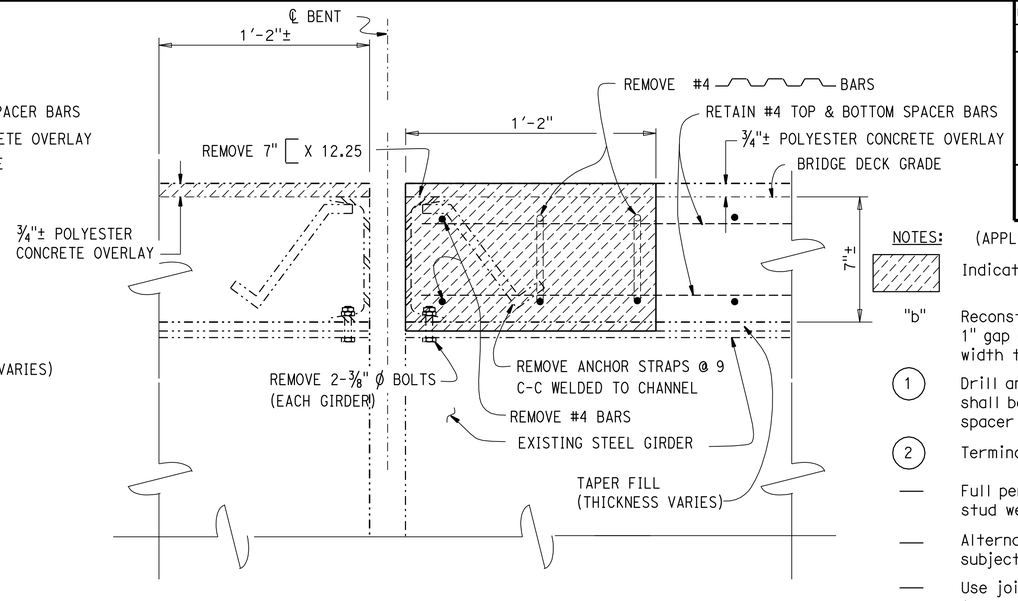
DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
7-03-12				12	18

FILE => 02-4e5401_12-jtseal-det.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27





DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sis, Sha	3, 5, 96 & 97	Var	27	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — TIM CAMPBELL — No. 63268 — Exp. 06-30-14 — CIVIL — STATE OF CALIFORNIA

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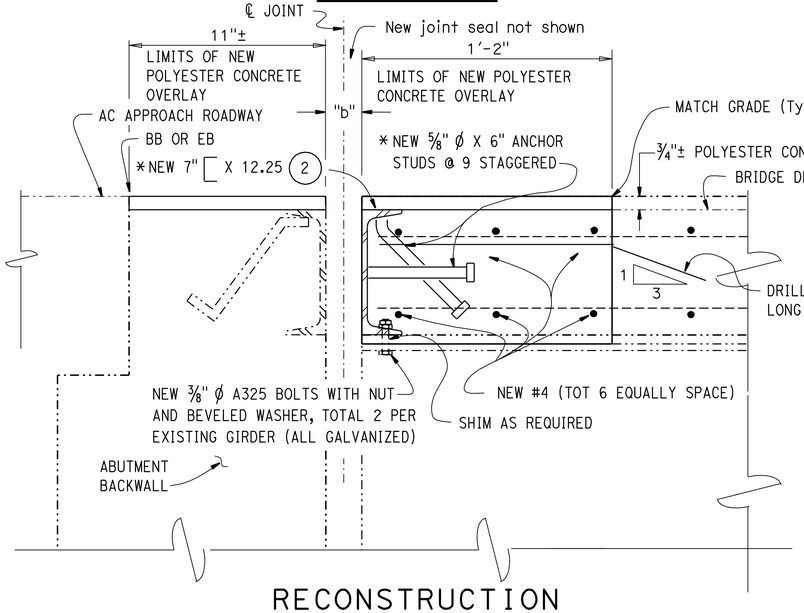
NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates limits of bridge removal (portion)
- "b" Reconstructed gap width to provide 1" gap at maximum temperature, exact width to be determined by engineer.
- (1) Drill and bond two dowels per girder bay. Dowels shall be evenly spaced between the existing top spacer bars.
- (2) Terminate joint armor at face of curbs.
- — Full penetration welds may be substituted for arc stud welds on all anchor studs.
- — Alternate types of anchor studs may be permitted subject to the approval by the Engineer.
- — Use joint at crown of roadway, at any change in traverse slope in deck and at changes in horizontal direction. Place other joints at or near lane line.
- — For temporary deck plate load criteria see "JOINT SEAL DETAILS NO. 3" sheet.
- — For deck over hang details, see "JOINT SEAL DETAILS NO. 5" sheet.
- * Galvanize after fabrication

EXISTING

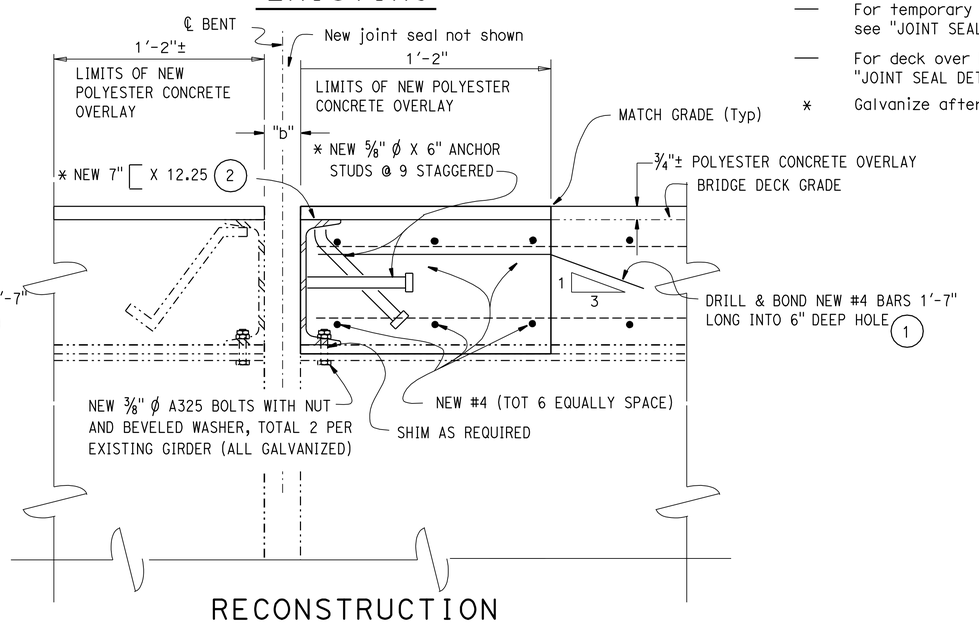


RECONSTRUCTION

SECTION D-D

BRIDGE NO. 02-0081
NO SCALE

EXISTING



RECONSTRUCTION

SECTION E-E

BRIDGE NO. 02-0081
NO SCALE

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS
DETAILS	BY DAVID KISH	CHECKED DON ACOBA			POST MILE VARIES
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA			

ROUTE 3, 5, 96 & 97 BRIDGES
JOINT SEAL DETAILS 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: 0200020319 CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
7-12-12	7-31-12	10-18-12	11-26-12	13	18

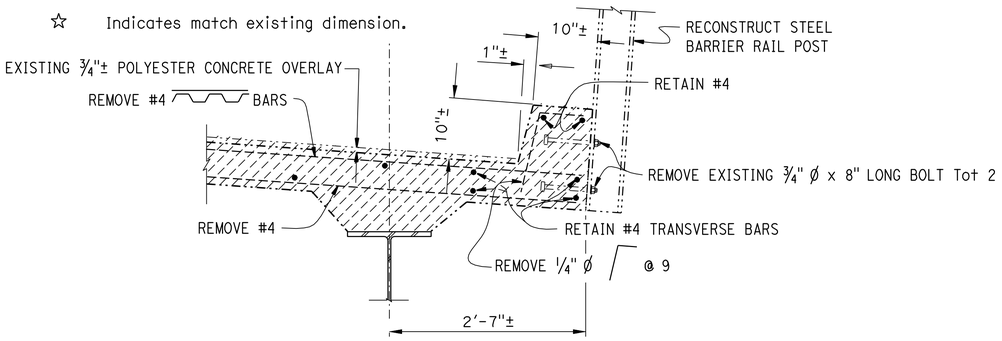
FILE => 02-4e5401_13-jtseal-det.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27

NOTES: (APPLY TO THIS SHEET ONLY)

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

☆ Indicates match existing dimension.



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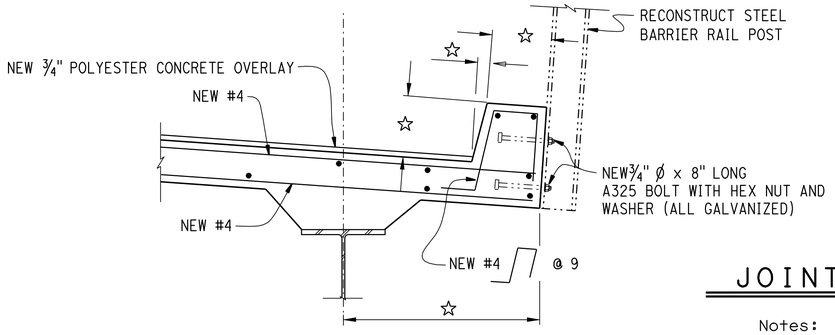


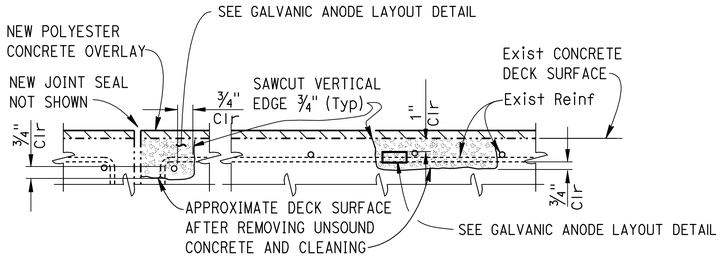
RECONSTRUCTION

NOTE: LOW SIDE SHOWN HIGHSIDE SIMILAR

TYPICAL DECK OVERHANG DETAIL (ABUTMENTS 1, 4 AND BENT 2)

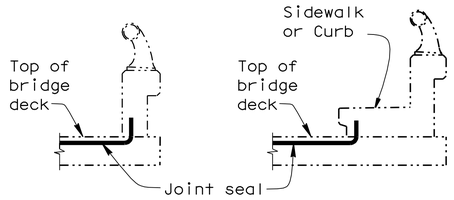
BRIDGE NO. 02-0081
NO SCALE

JOINT SEAL LOCATION



JOINT AND DECK REPAIR DETAIL

LOCATIONS TO BE DETERMINED BY THE ENGINEER.
REINFORCEMENT MAY BE ENCOUNTERED DURING DECK CONCRETE REMOVAL.
NO SCALE



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.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sis, Sha	3,5,96 & 97	Var	28	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — TIM CAMPBELL — No. 63268 — Exp. 06-30-14 — CIVIL — STATE OF CALIFORNIA

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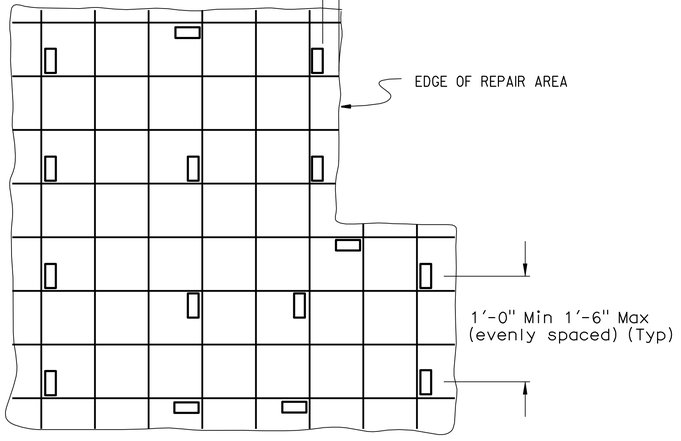
The following notes apply to JOINT SEAL TYPE B:

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



GALVANIC ANODE LAYOUT DETAIL

Note: All galvanic anodes shall be installed with embedding mortar.

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS
DETAILS	BY DAVID KISH	CHECKED DON ACOBA			POST MILE VARIES
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA			

ROUTE 3, 5, 96 & 97 BRIDGES
JOINT SEAL DETAILS NO. 5

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: 0200020319 CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
11-08-12	1-31-12	10-05-12	10-15-12	14	18

FILE => 02-4e5401_14-jtseal-det.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis,Sha	3,5,96 & 97	Var	29	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIM CAMPBELL
No. 63268
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

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JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (in)	APPROXIMATE LENGTH (Ft)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (in)
PANORAMA UNDERCROSSING	02-0066	Abut 1	BB	1	84	No	12
		Abut 1	BW	1½	84	No	17
		Abut 4	BW	1½	86	No	17
		Abut 4	EB	1	86	No	12
SOUTH WEED UNDERCROSSING	02-0162L	Abut 1	BB	1½	53	No	12
		Abut 2	EB	1	53	No	12
	02-0162R	Abut 1	BB	1½	41	No	12
		Abut 2	EB	1½	41	No	12
SISKIYOU WAY UNDERCROSSING	02-0163L	Abut 1*	BB	1½	71	No	12
		Abut 2*	EB	1½	71	No	12
	02-0163R	Abut 1*	BB	1	55	No	12
		Abut 2*	EB	1	55	No	12
ROUTE 5/97 SEPARATION	02-0170L	Abut 1*	BB	1½	48	No	12
		Abut 2*	EB	1½	48	No	12
ROUTE 5/265 SEPARATION	02-0164L	Abut 1	BB	1½	41	No	12
		Abut 2	EB	1½	41	No	12
JULIEN CREEK	02-0146L	Abut 1	BB	1½	43	No	12
		Abut 4	EB	1½	43	No	12
KILLGORE HILLS ROAD UNDERCROSSING	02-0153R	Abut 1	BB	1½	40	No	12
		Abut 4	EB	1	40	No	12
KLAMATH RIVER ROAD UNDERCROSSING	02-0133L	Abut 1	BB	1½	40	No	12
		Abut 2	EB	1½	40	No	12
	02-0133R	Abut 1	BB	1½	40	No	12
		Abut 2	EB	1½	40	No	12
KLAMATH RIVER BRIDGE & SEPARATION	02-0134R	Abut 1	BB	1½	40	No	12
		Bent 4**	EJ	4	40	No	-
		Bent 7**	EJ	4	40	No	-
		Abut 10	BW	2	40	No	15
BEAVER CREEK	02-0081	Abut 1*	BW	1½	25	No	-
		Bent 2*	EJ	1½	25	No	-
		Bent 3*	EJ	1	25	No	7
		Abut 4*	BW	1½	25	No	-
CRAG VIEW DRIVE UNDERCROSSING	06-0095	Abut 1	BW	1½	84	No	13
		Abut 4	BW	1½	84	No	13

LEGEND:

BB - Paving Notch at beginning of bridge
EB - Paving Notch at end of bridge
EJ - Expansion Joint
BW - Backwall
* - Use bonded joint seal
** - Use joint seal assembly

NOTE: All seals shall be Type B, unless otherwise noted.

DECK REPAIR TABLE

BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)	APPROXIMATE NUMBER OF GALVANIC ANODES
WILDCAT CREEK	02-0166	1	3	10
SUGAR CREEK	02-0167	10	3	97
PANORAMA UNDERCROSSING	02-0066	1	3	72
SISKIYOU WAY UNDERCROSSING	02-0163R	1	3	30
JULIEN CREEK	02-0146L	1	3	19
KILLGORE HILLS ROAD UNDERCROSSING	02-0153R	1	3	18
KLAMATH RIVER ROAD UNDERCROSSING	02-0133L	1	3	20
	02-0133R	1	3	23
KLAMATH RIVER BRIDGE & SEPARATION	02-0134R	1	3	203
WEED OVERHEAD	02-0082	1	3	59

Locations to be determined by the Engineer.

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY DAVID KISH	CHECKED DON ACOBA	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA	BRIDGE NO. VARIOUS; POST MILE VARIES

ROUTE 3, 5, 96 & 97 BRIDGES
JOINT SEAL DETAILS 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: 0200020319 CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES → REVISION DATES: 7-13-12, 7-31-12, 10-05-12

SHEET 15 OF 18

FILE => 02-4e5401_15-jtseal-det.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:27

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis,Sha	3,5,96 & 97	Var	30	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — TIM CAMPBELL — No. 63268 — Exp. 06-30-14 — CIVIL — STATE OF CALIFORNIA

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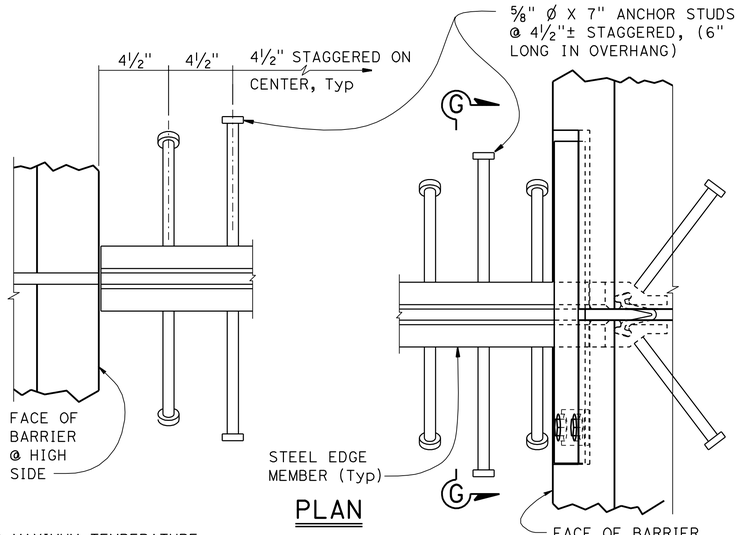
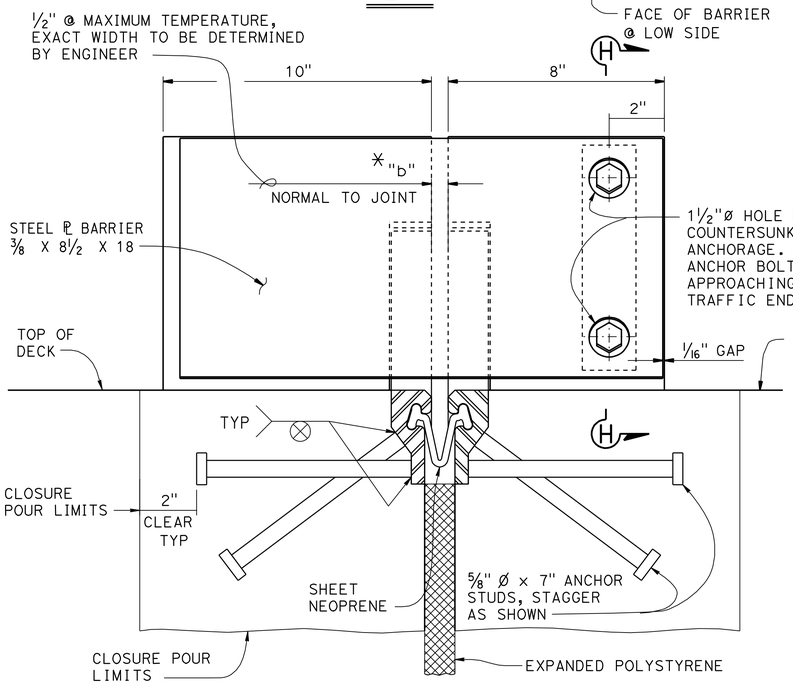


PLAN



SECTION G-G

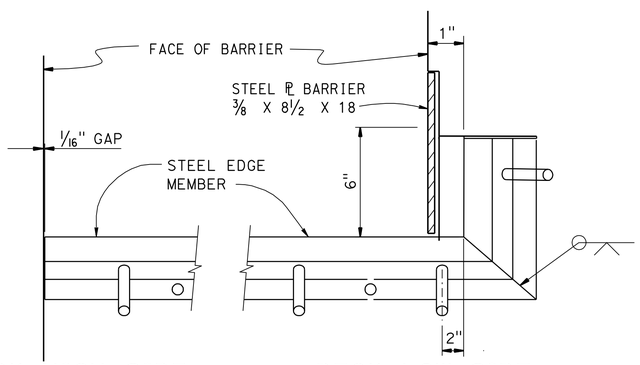
NOTES:

1. Full penetration welds may be substituted for arc stud welds on all anchor studs.
2. Alternate types of anchor studs may be permitted subject to the approval by the Engineer
3. Joint seal assembly to be used in conjunction with closure pour. (See other sheets for limits).
4. Use joint at crown of roadway, at any change in traverse slope in deck and at changes in horizontal direction. Place other joints at or near lane lines. All metal parts to be galvanized after fabrication
5. Sheet Neoprene shall be fabricated in one continuous piece and shall be fabricated to bend around corners. Field splices of the neoprene are not allowed.
6. Insert assembly or expansion anchorage for 5/8" Ø x 1 3/4" bolts. Use installation bolts extended 1/2" minimum past nut and coat with bond breaker, after concrete has cured, remove installation bolts, install A325 bolts and sheet neoprene
7. a_c, is the thermal expansion coefficient for concrete.

JOINT INFORMATION								
BRIDGE NUMBER	LOCATION	MOVEMENT RATING (MR)	SKEW	"b" DIMENSIONS				
				-15°F	16°F	48°F	79°F	110°F
02-0134R	BENT 4	4	0°	4 3/4	3 3/4	2 1/2	1 1/2	1/2
	BENT 7	4	0°	3 3/4	3	2 1/2	1 1/2	1/2

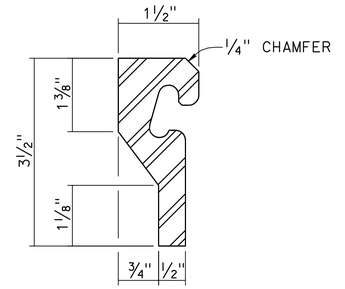
* TO SET JOINT OPENING "b"

"b" = { 1/2"+[(Max Str temperature in F°)-(actual Str temperature in F°)]*(a_c)(12)(contributory L in feet)
{ 1/2" Minimum
{ a_c = 0.0000060

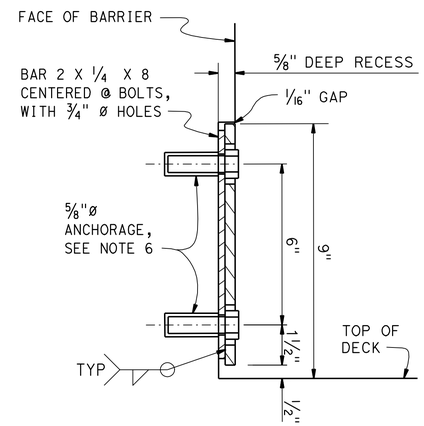


DECK HIGH SIDE DECK LOW SIDE

BARRIER DETAIL



STEEL EDGE MEMBER



SECTION H-H

NO SCALE

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	JOINT SEAL ASSEMBLY DETAILS
DETAILS	BY DAVID KISH	CHECKED DON ACOBA			POST MILE VARIES	ROUTE 3, 5, 96 & 97 BRIDGES
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA				MAXIMUM MOVEMENT RATING = 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: 0200020319 CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
7-19-12	7-31-12	8-28-12	10-18-12	16	18

FILE => 02-4e5401_16-jtseal-det.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:28

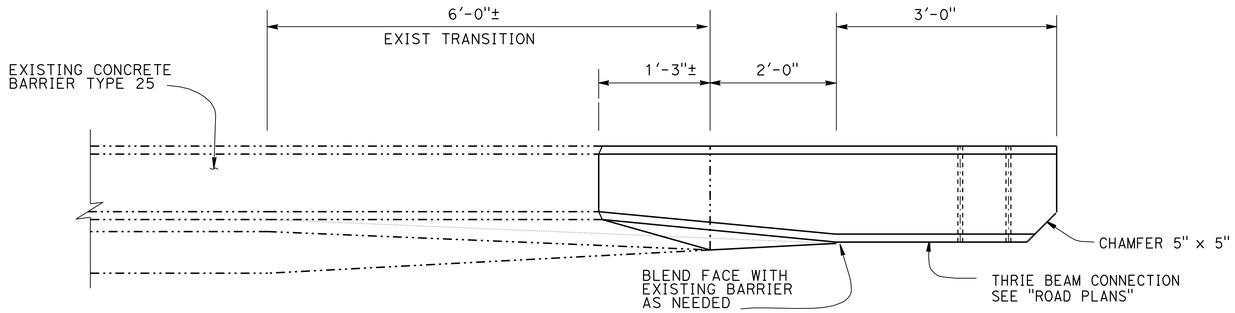
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis, Sha	3,5,96 & 97	Var	31	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
TIM CAMPBELL
No. 63268
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

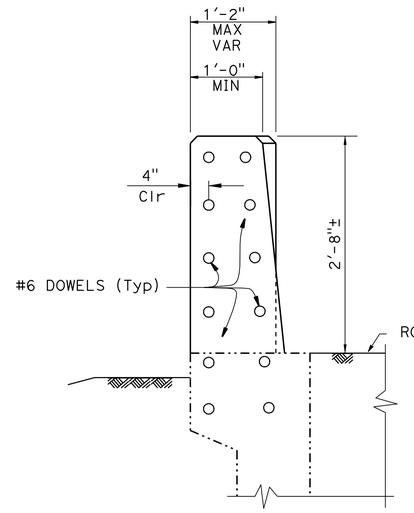
February 4, 2013
PLANS APPROVAL DATE

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.

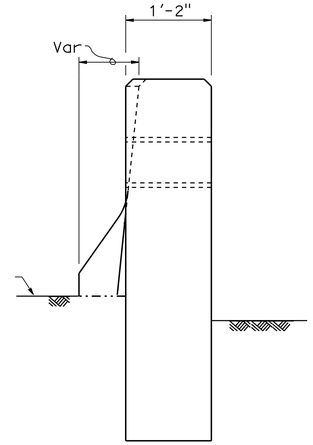


DIRECTION OF TRAFFIC

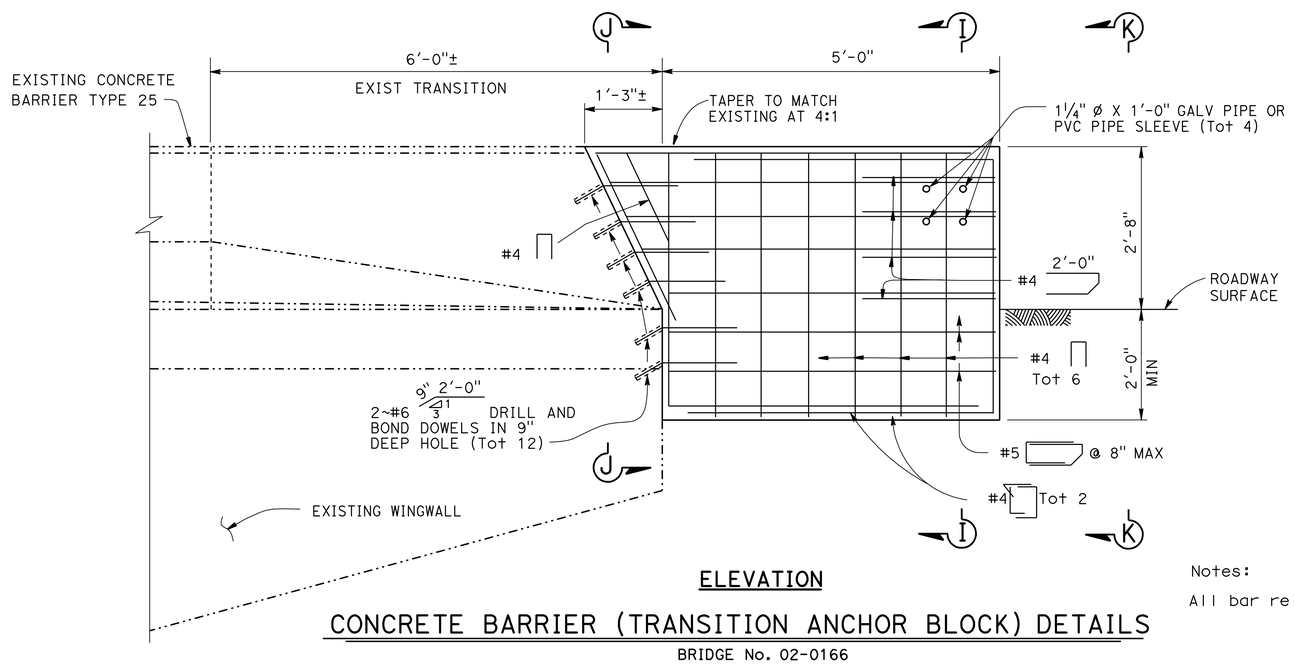
PLAN



SECTION J-J



SECTION K-K



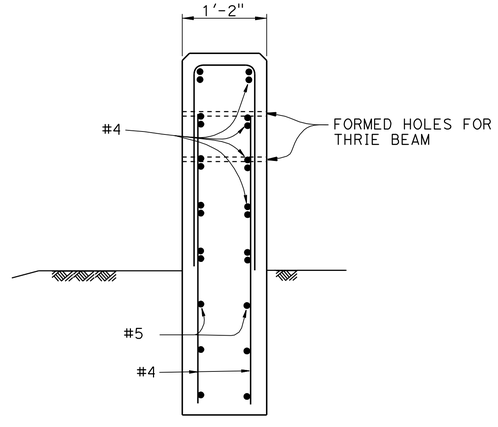
ELEVATION

CONCRETE BARRIER (TRANSITION ANCHOR BLOCK) DETAILS

BRIDGE No. 02-0166
NO SCALE

Notes:

All bar reinforcing steel to be epoxy coated



SECTION I-I

	DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTE 3, 5, 96 & 97 BRIDGES
	DETAILS	BY DAVID KISH	CHECKED DON ACOBA			POST MILE VARIES	THRIE BEAM CONNECTION-TYPE 25 NO. 1
	QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA				

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: 0200020319 CONTRACT NO.: 02-4e5401

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
8-23-12	10-05-12	10-18-12		17	18

FILE => 02-4e5401_17-thrie-beam-det.dgn

USERNAME => s109618 DATE PLOTTED => 05-FEB-2013 TIME PLOTTED => 12:28

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis, Sha	3,5,96 & 97	Var	32	32

Tim Campbell 12-19-12
REGISTERED CIVIL ENGINEER DATE

February 4, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TIM CAMPBELL
No. 63268
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

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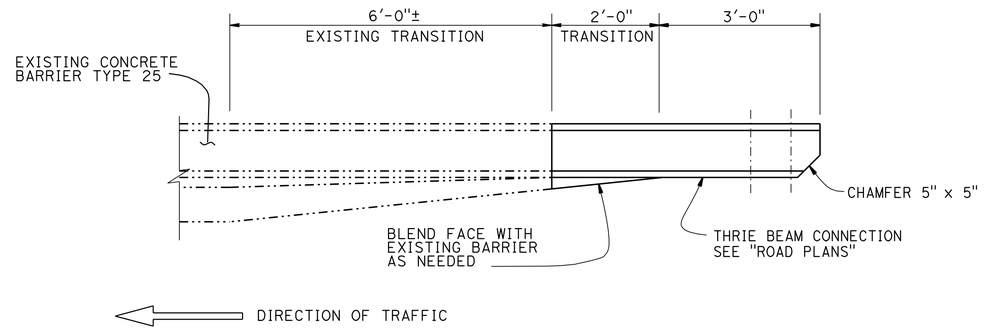
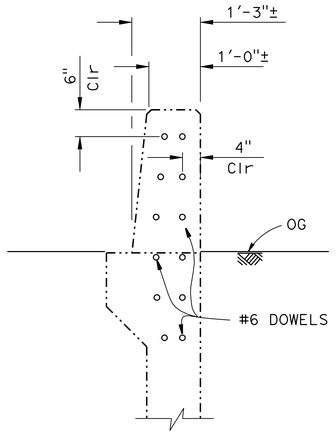
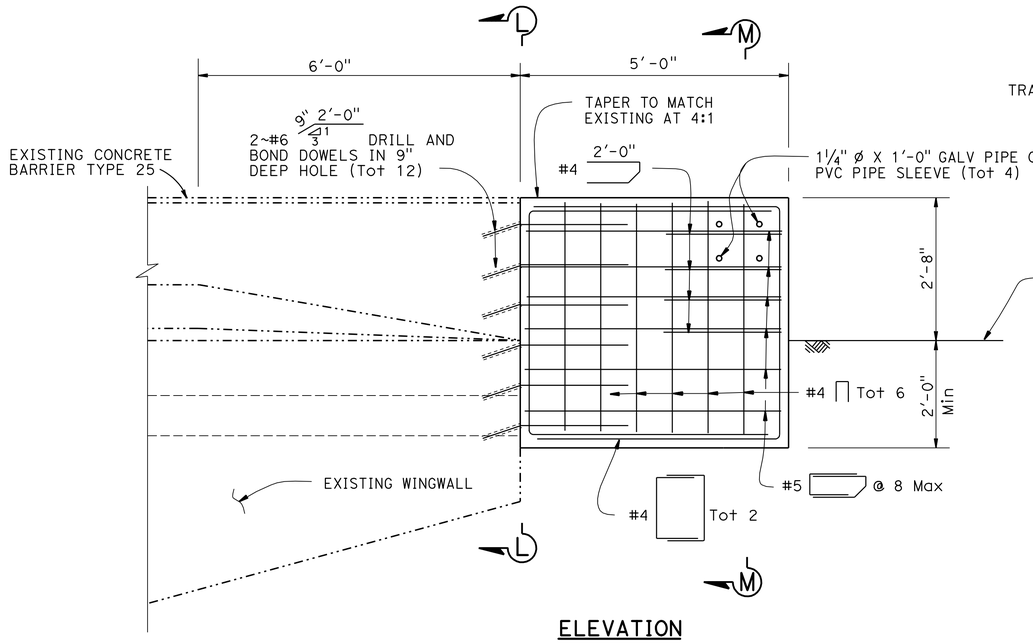


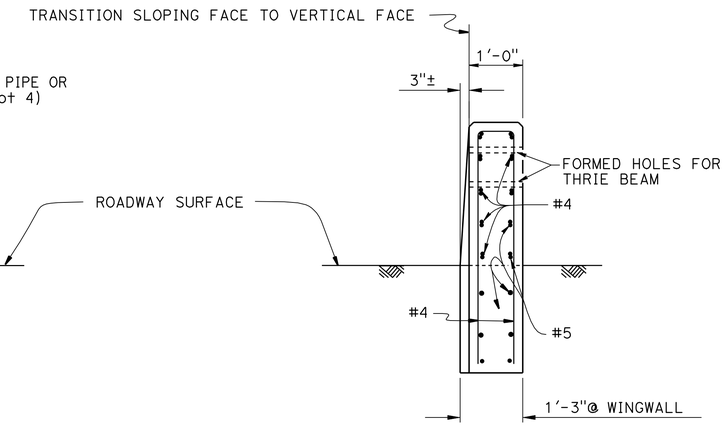
PLAN



SECTION F-F



ELEVATION



NOTE:
Thrie Beam not shown

SECTION M-M

CONCRETE BARRIER (TRANSITION ANCHOR BLOCK) DETAILS

BRIDGE No. 02-0082
NO SCALE

Notes:
All bar reinforcing steel to be epoxy coated

DESIGN	BY TIM CAMPBELL	CHECKED DON ACOBA	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS / POST MILE VARIES
DETAILS	BY DAVID KISH	CHECKED DON ACOBA			
QUANTITIES	BY TIM CAMPBELL	CHECKED DON ACOBA			

ROUTE 3, 5, 96 & 97 BRIDGES
THRIE BEAM CONNECTION-TYPE 25 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: 0200020319 CONTRACT NO.: 02-4e5401
DISREGARD PRINTS BEARING EARLIER REVISION DATES
REVISION DATES 8-29-12 10-05-12 10-18-12
SHEET 18 OF 18
FILE => 02-4e5401_18-thrie-beam-det.dgn

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