

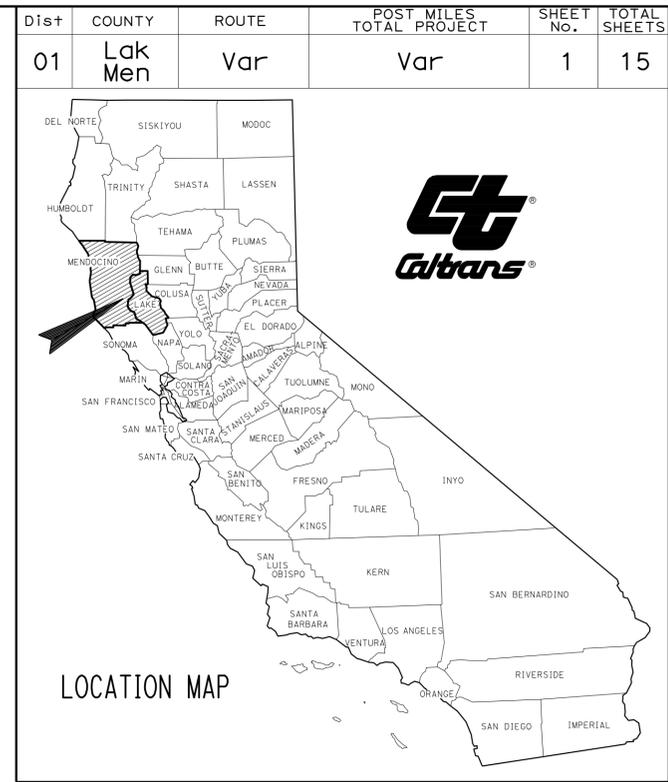
INDEX OF PLANS	
SHEET No	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION DETAILS AND SUMMARY OF QUANTITIES
3-6	CONSTRUCTION AREA SIGNS
7-10	NEW OR REVISED STANDARD PLANS

STRUCTURE PLANS	
11-14	GENERAL PLAN
15	MISCELLANEOUS DETAILS

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY
IN LAKE AND MENDOCINO COUNTIES
AT VARIOUS LOCATIONS

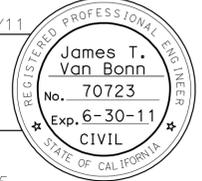
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION					
LOCATION No.	COUNTY	ROUTE	PM	NAME OF BRIDGE	BRIDGE No.
1	Men	1	56.73	JUG HANDLE CREEK	10-0154
2	Men	20	33.31	NORTH CALPELLA OC	10-0206
3	Men	20	33.32	NORTH CALPELLA OC	10-0208
4	Men	20	33.63	RUSSIAN RIVER BOH	10-0182
5	Men	101	20.48	RUSSIAN RIVER BR & OH	10-0273
6	Men	101	R26.16	NORTH STATE STREET UC	10-0196L
7	Men	101	26.39	ORRS SPRINGS ROAD OC	10-0198
8	Men	101	27.41	LAKE MENDOCINO DRIVE UC	10-0201L
9	Men	101	28.26	YORK CREEK	10-0203L
10	Men	101	28.26	YORK CREEK	10-0203R
11	Men	101	28.58	POMO LANE UC	10-0105R
12	Lak	20	8.89	CLOVER CREEK	14-0003
13	Lak	29	52.11	SCOTTS CREEK	14-0050

PROJECT MANAGER
Royal B. McCarthy
 DESIGN ENGINEER
Royal B. McCarthy

PROJECT ENGINEER DATE 1/31/11
 REGISTERED CIVIL ENGINEER
 January 31, 2011
 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.



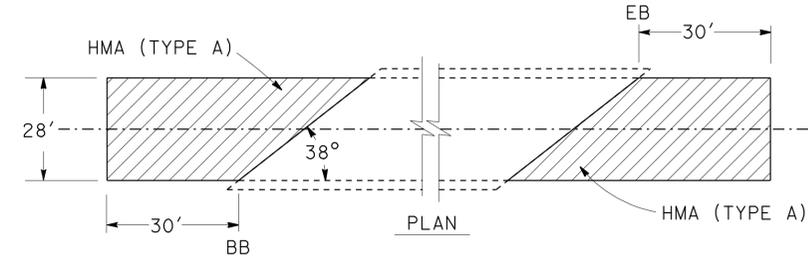
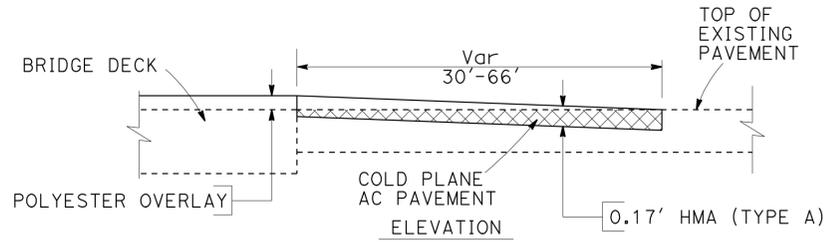
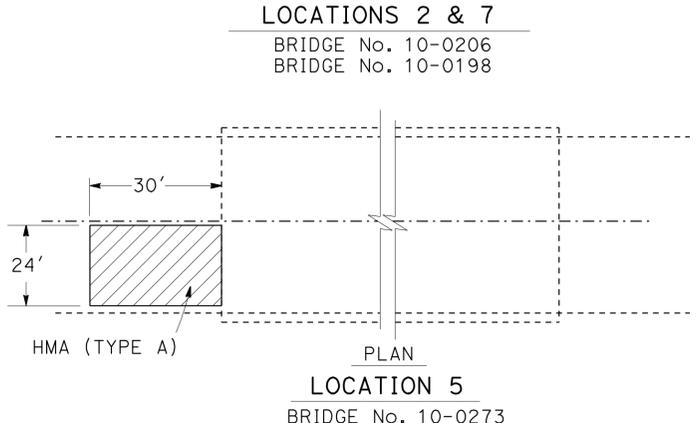
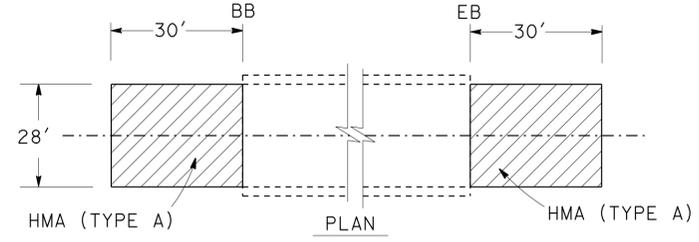
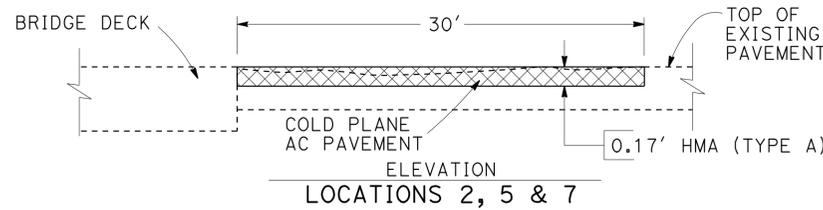
THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Lak Men	Var	Var	2	15

James T. Van Bonn 1/31/11
 REGISTERED CIVIL ENGINEER DATE
 No. 70723
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

January 31, 2011
 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.



LOCATION 3
BRIDGE No. 10-0208

ROADWAY QUANTITIES				
LOCATION		COLD PLANE AC PAVEMENT	HMA (TYPE A)	
No.	BRIDGE #	SQYD	TON	
2	10 0206	Abut 1	94	10.5
		Abut 5	94	10.5
3	10 0208	Abut 1	149	16.8
		Abut 4	149	16.8
5	10 0273	Abut 1	80	9.0
7	10 0198	Abut 1	94	10.5
		Abut 5	94	10.5
TOTAL			754	84.6

TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES

No.	BRIDGE #	ROUTE / PM	R+/L+ CL	DETAIL No.	DETAIL LENGTH	REMOVE THERMOPLASTIC TRAFFIC STRIPE				THERMOPLASTIC TRAFFIC STRIPE				PAVEMENT MARKER			
						4" YELLOW (SOLID)	4" YELLOW (BROKEN 36-12)	4" WHITE (SOLID)	4" WHITE (BROKEN 36-12)	4" YELLOW (SOLID)	4" YELLOW (BROKEN 36-12)	4" WHITE (SOLID)	4" WHITE (BROKEN 36-12)	(NON-REFLECTIVE)		(RETROREFLECTIVE)	
														TYPE A	TYPE D YELLOW (TWO-WAY)	TYPE G CLEAR (ONE WAY)	
						LF				EA							
2	NORTH CAPELLA OC 10 0206	20 / 33.31	R+/L+ CL	27B 21	438 219	318		318		438		438					
3	NORTH CAPELLA OC 10 0208	20 / 33.32	R+/L+ CL	27B 21	546 272	354		354		546		546					
4	RUSSIAN RIVER BOH 10 0182	20 / 33.63	R+/L+ CL	27B 22	882 441	882		882					40				
5	RUSSIAN RIVER BOH 10 0273	101 / R0.48	R+/L+	27B	1436			1406				1406					
			R+/L+ R+/L+	11/13 22	1436 1436		352			2812			1406	240			62
7	ORRS SPRINGS ROAD OC 10 0198	101 / R26.39	R+/L+	27B	120												
			CL	21	60					120			120				
12	CLOVER CREEK 14 0003	20 / 8.89	R+/L+	27B	120												
			R+/L+	32	60	120	30			120	120				8		
13	SCOTTS CREEK 14 0050	29 / 52.11	R+/L+	27B	674												
			CL	21	337	674				674			674			30	
SUBTOTAL						5160	30	3754	352	4710	120	3184	1406	240	78	62	
TOTAL						5190		4106		9420		240		140			

CONSTRUCTION DETAILS AND SUMMARY OF QUANTITIES
C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 James T. Van Bonn
 Curtis Coburn
 Royal B. McCarthy
 MAINTENANCE DESIGN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Lak Men	Var	Var	3	15

James T. Van Bonn 1/31/11
 REGISTERED CIVIL ENGINEER DATE
 January 31, 2011
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

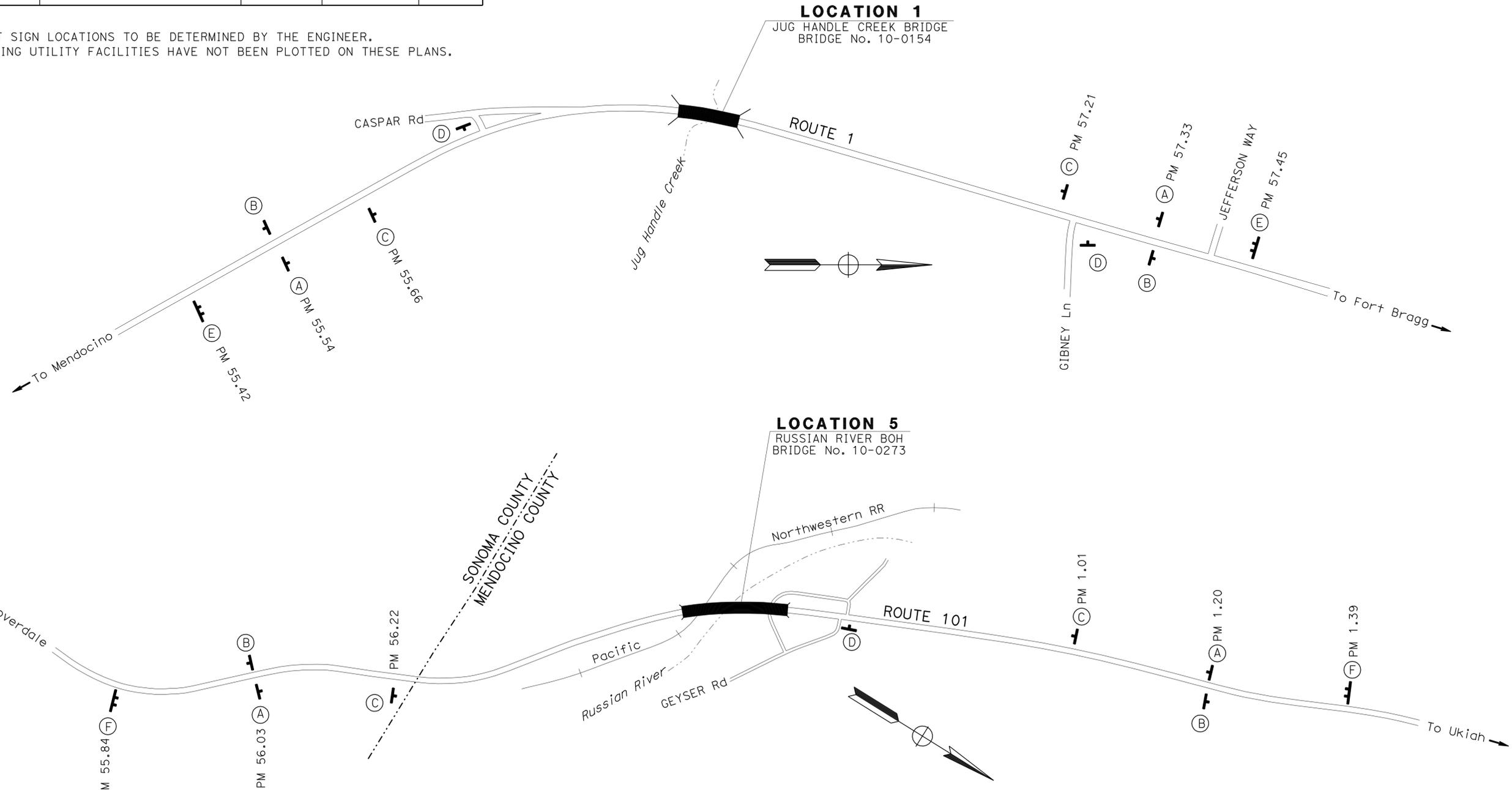
REGISTERED PROFESSIONAL ENGINEER
 James T. Van Bonn
 No. 70723
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS					
SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE	NO OF POSTS AND SIZE	NO. OF SIGNS
A	G20-1	ROAD WORK NEXT 10 MILES	60"x36"	1-6"x6"	12
	SP1	BRIDGE REPAIR	54"x12"		
B	G20-2	END ROAD WORK	36"x18"	1-4"x4"	12
C	W11-1	BICYCLE SYMBOL	36"x36"	1-6"x6"	11
	W16-1	SHARE THE ROAD	24"x30"		
D	W20-1	ROAD WORK AHEAD	36"x36"	1-4"x6"	15
E	C40 (CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	108"x42"	2-6"x6"	8
F	C40 (CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	144"x60"	2-6"x6"	4

SP1
 54"x12"
 4" CAPS
 BLACK/ORANGE

BRIDGE REPAIR

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: Royal B. McCarthy
 CALCULATED/DESIGNED BY: James T. Van Bonn
 CHECKED BY: Curtis Coburn
 REVISOR: James T. Van Bonn
 DATE: 1/31/11

CONSTRUCTION AREA SIGNS CS-1

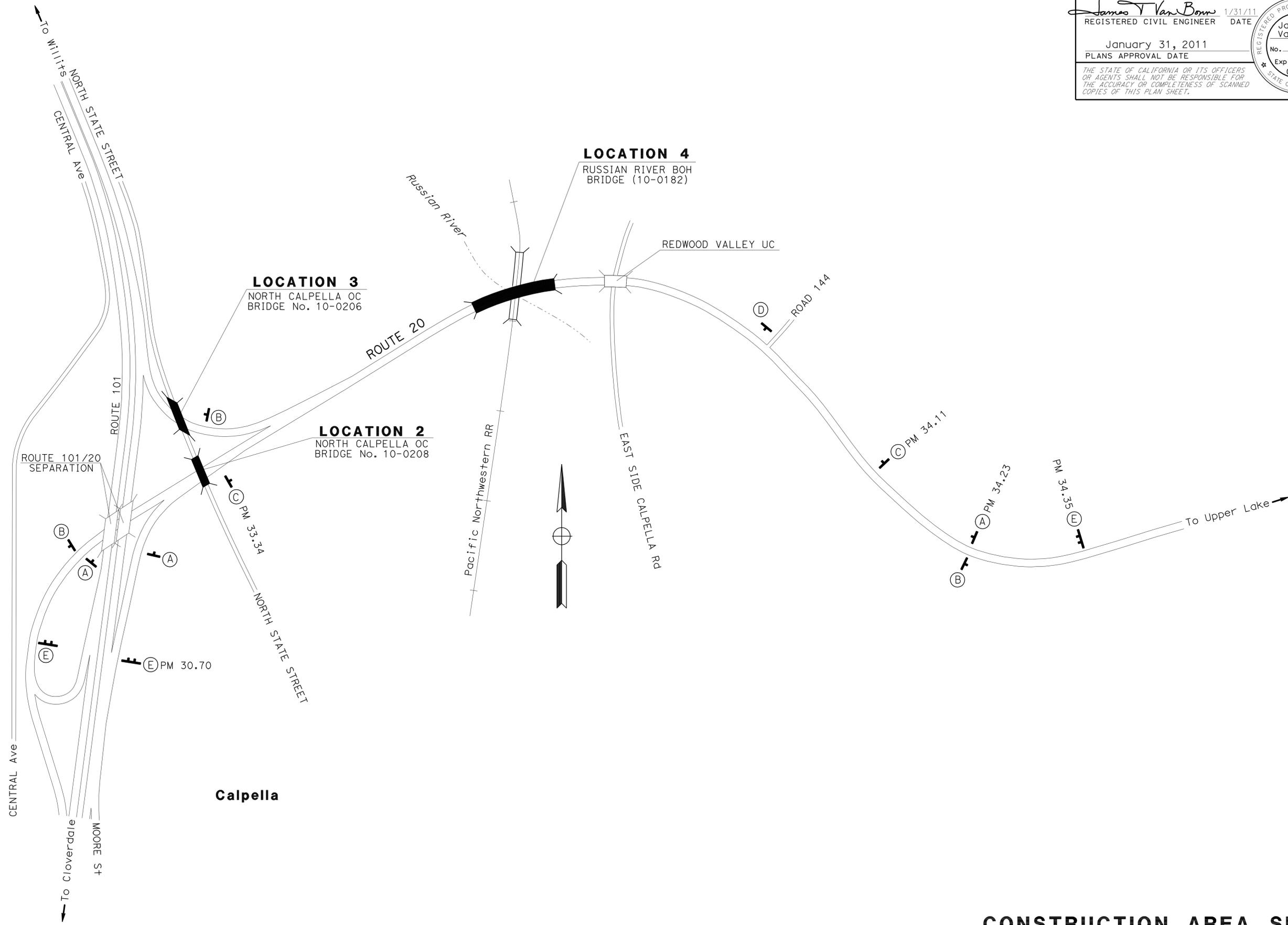
NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Lak Men	Var	Var	4	15

<i>James T. Van Bonn</i> 1/31/11	
REGISTERED CIVIL ENGINEER	DATE
January 31, 2011	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
James T. Van Bonn
No. 70723
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans MAINTENANCE DESIGN	Royal B. McCarthy	CHECKED BY	DATE
		James T. Van Bonn	1/31/11
		Curtis Coburn	

CONSTRUCTION AREA SIGNS

CS-2

NO SCALE

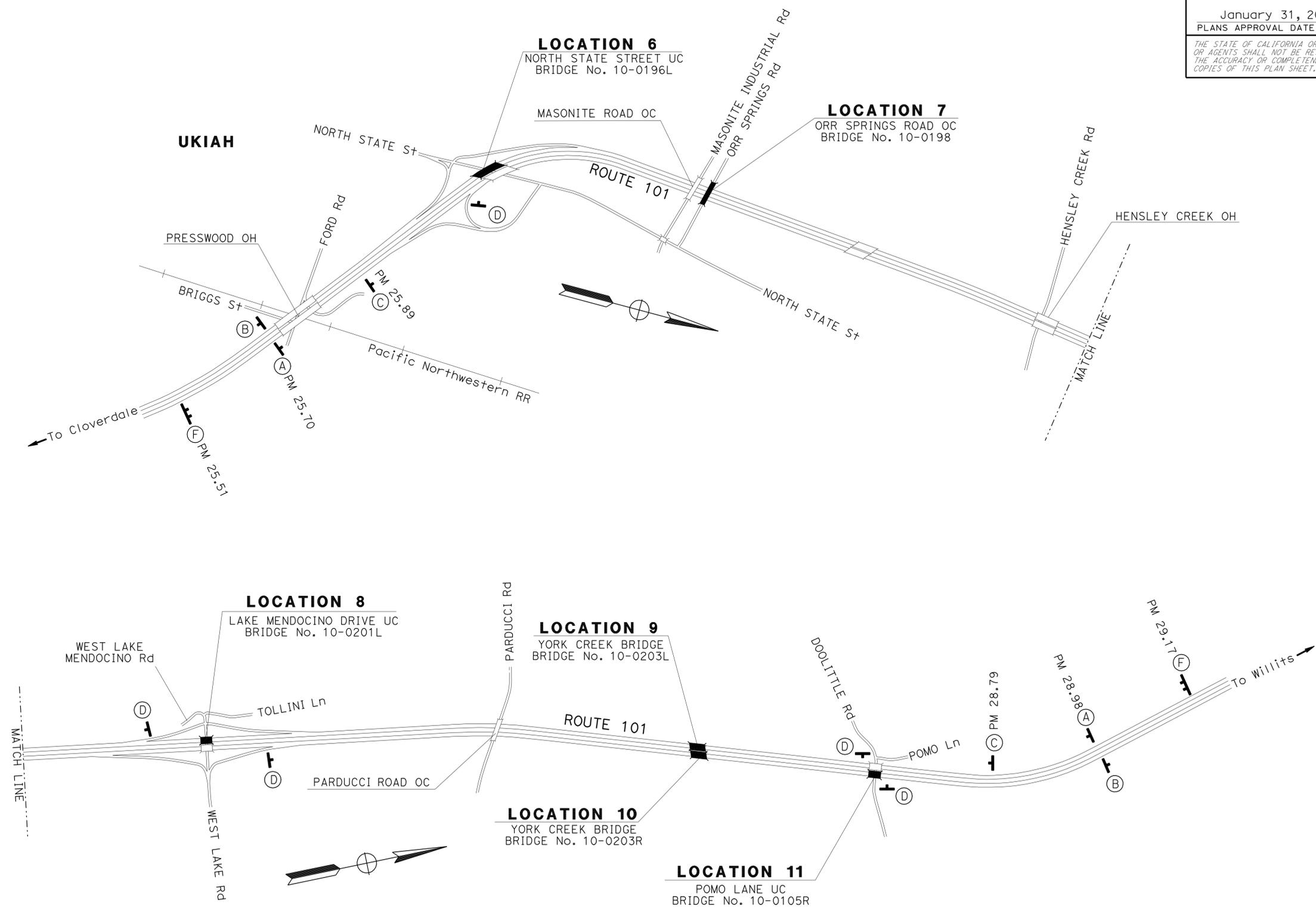


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Lak Men	Var	Var	5	15

James T. Van Bonn 1/31/11
 REGISTERED CIVIL ENGINEER DATE
 January 31, 2011
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 James T. Van Bonn
 No. 70723
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

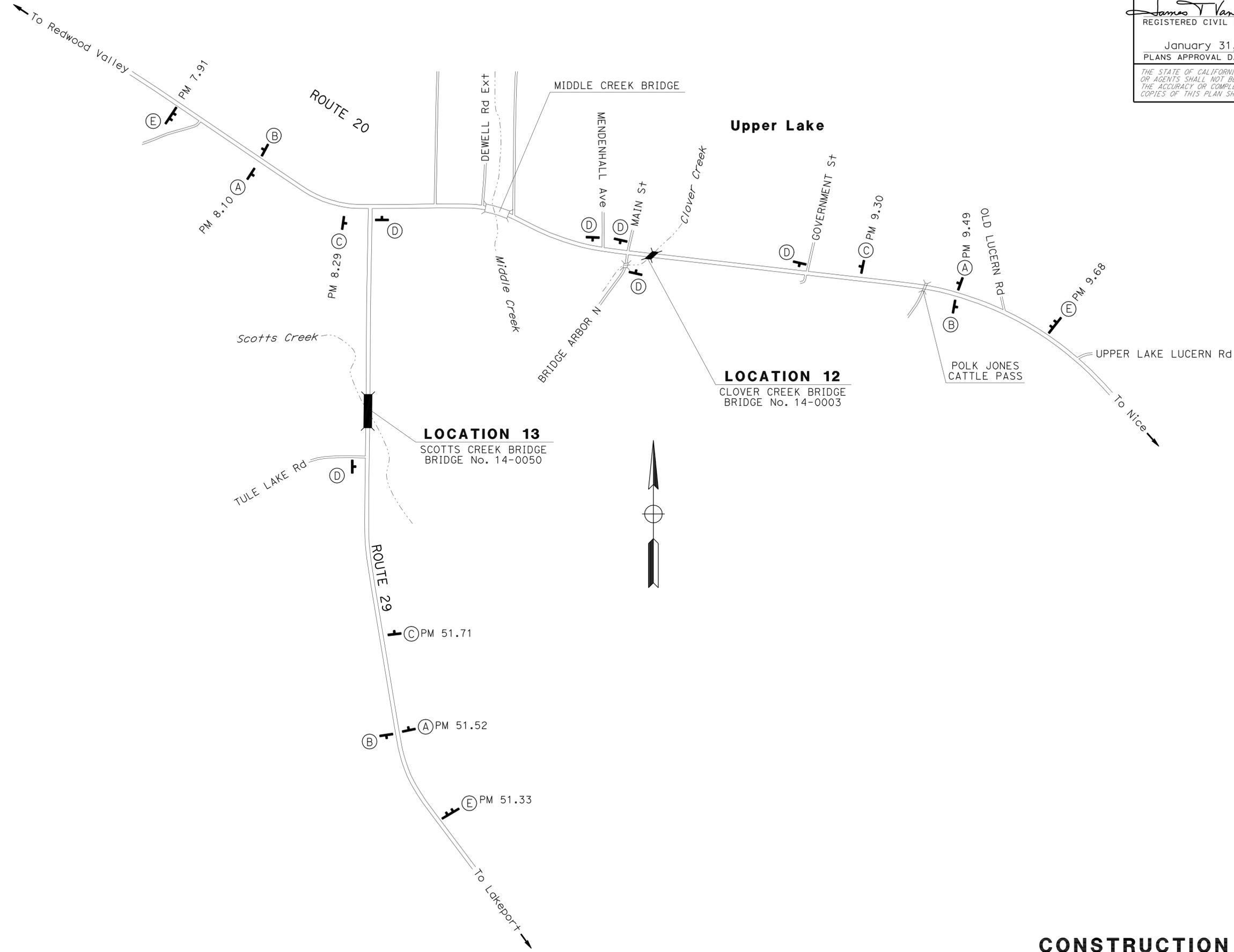
REVISOR	REVISION
James T. Van Bonn	
Curtis Coburn	
ROYAL B. MCCARTHY	
DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	
Royal B. McCarthy	
CALCULATED/DESIGNED BY	CHECKED BY
REVISOR	REVISION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Lak Men	Var	Var	6	15

James T. Van Bonn 1/31/11
 REGISTERED CIVIL ENGINEER DATE
 January 31, 2011
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 James T. Van Bonn
 No. 70723
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

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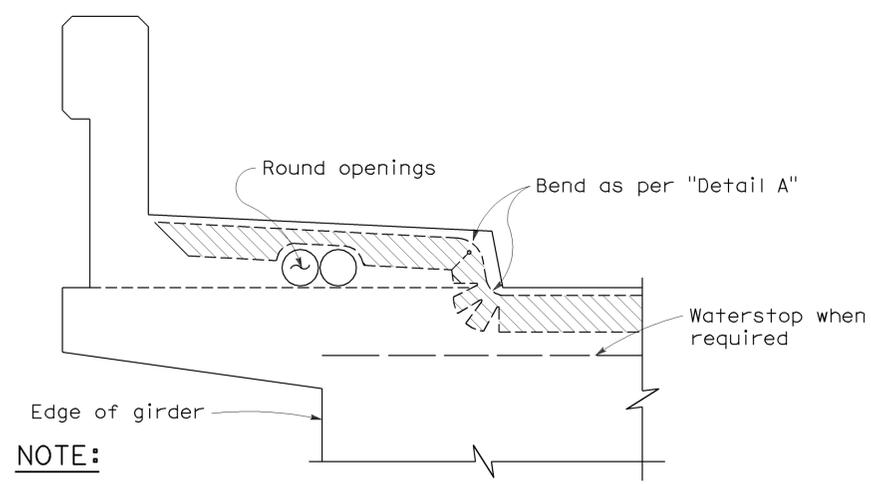


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans MAINTENANCE DESIGN	Royal B. McCarthy	CHECKED BY	DATE
		James T. Van Bonn	1/31/11
		Curtis Coburn	

CONSTRUCTION AREA SIGNS
CS-4

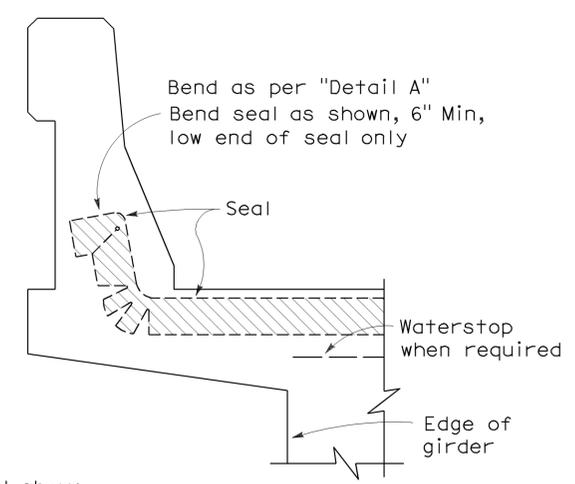
NO SCALE



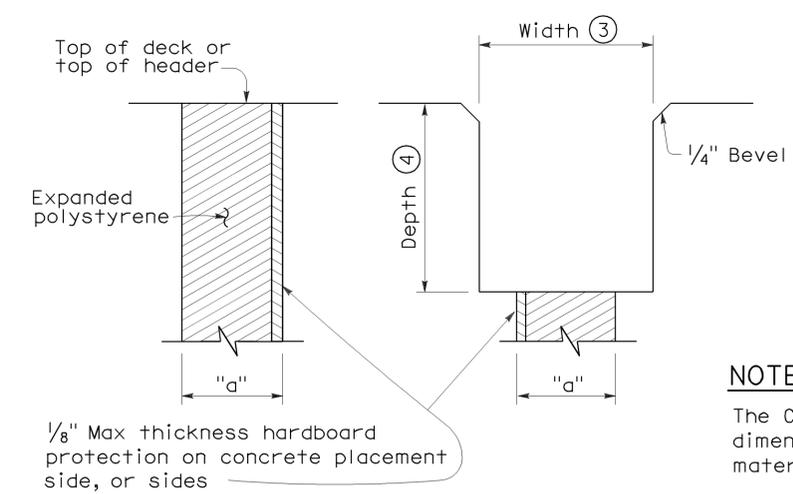


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



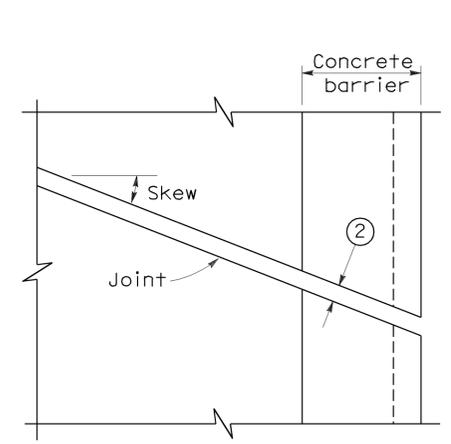
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

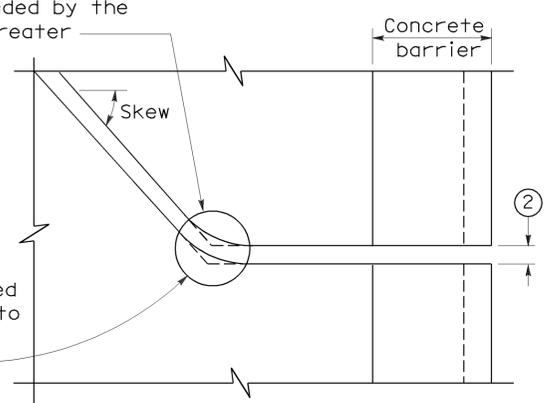
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



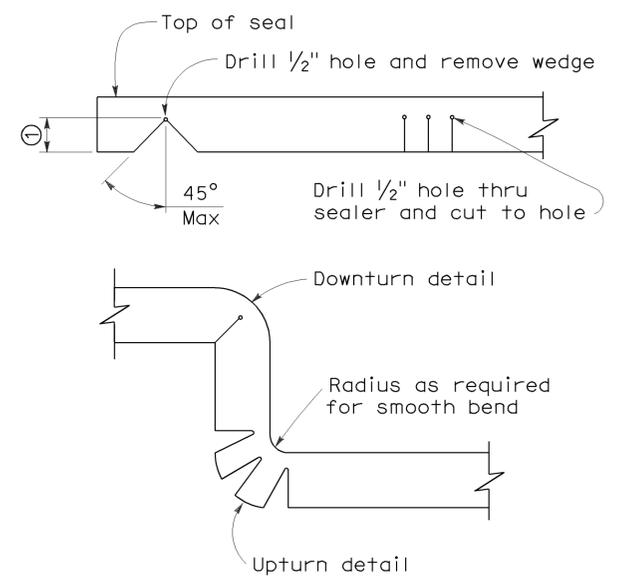
PLAN OF JOINT (SKEW ≤ 20°)

Min ϕ radius to be 4 times uncompressed width of seal or as recommended by the manufacturer, whichever is greater



PLAN OF JOINT (SKEW > 20°)

In lieu of saw cutting, this area may be blocked out and reconstructed to match saw cutting on both sides.



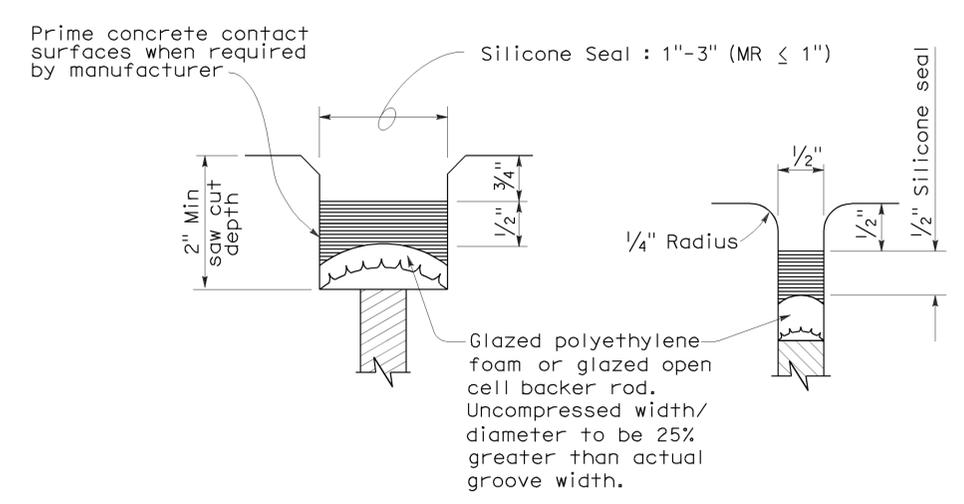
DETAIL A

- NOTES:**
- Make smooth cuts from the bottom of seal to 1 1/2" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
 - Opening in barrier to match width of sawn deck joint.
 - Sawcut groove widths shall be as ordered by the Engineer.
 - Depth of sawcut: Type A - Depth to be 2" minimum.
 Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (W₂) plus dimensions shown.
 - MR (movement rating) as shown on other plan sheets.
 - Other depths must be approved by the Engineer.

DIMENSIONS "a" OF JOINT REQUIRED

Movement Rating (MR) (5)	Bridge Type	"a" Dimension		
		Deck Concrete Placed		
		Winter	Fall-Spring	Summer
2"	All except CIP/PS	1 1/2"	1 1/4"	3/4"
	CIP/PS	1 1/4"	1"	1/2"
1 1/2"	All except CIP/PS	1 1/4"	1"	1/2"
	CIP/PS	1"	3/4"	1/2"
1"	All except CIP/PS	1"	3/4"	1/2"
	CIP/PS	3/4"	1/2"	1/2"
1/2"	All except CIP/PS	3/4"	3/4"	1/2"
	CIP/PS	1/2"	1/2"	1/2"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
JOINT SEALS
(MAXIMUM MOVEMENT RATING = 2")
 NO SCALE

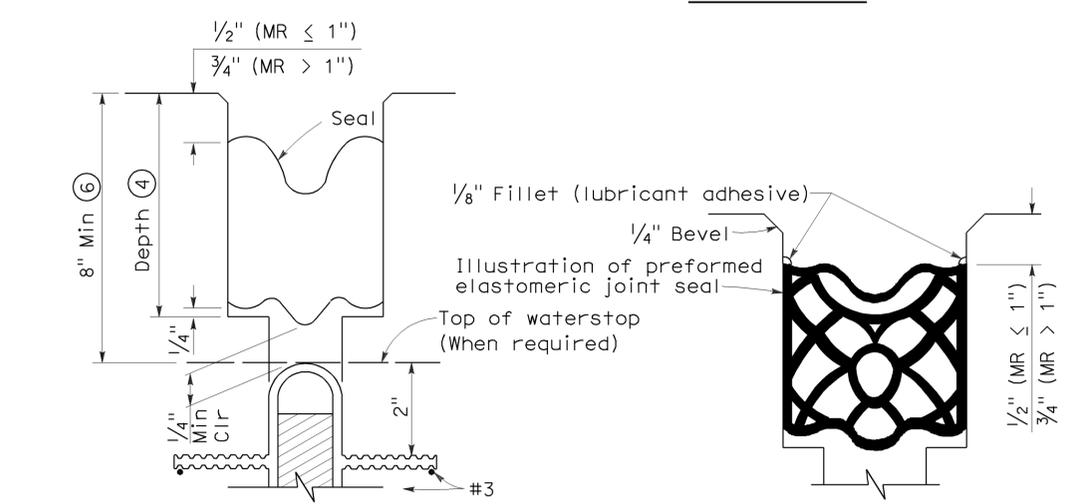


TYPE A SEAL

Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W₂)

TYPE B SEAL

Movement Rating ≤ 2"

RSP B6-21 DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN B6-21 DATED MAY 1, 2006 - PAGE 258 OF THE STANDARD PLANS BOOK DATED MAY 2006.

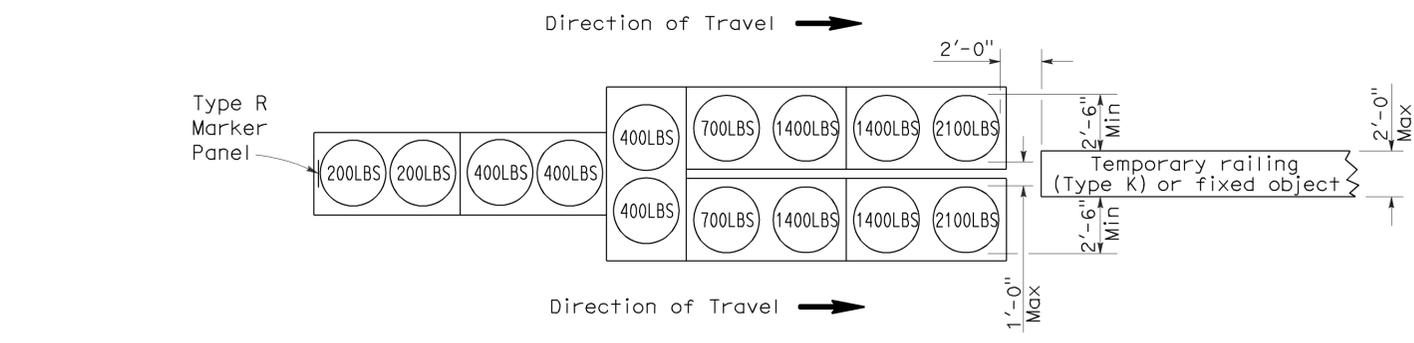
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Lak Men	Var	Var	8	15

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

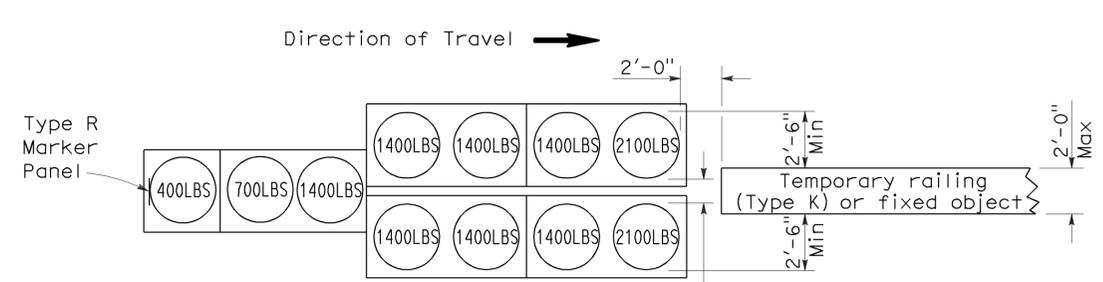
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To accompany plans dated January 31, 2011



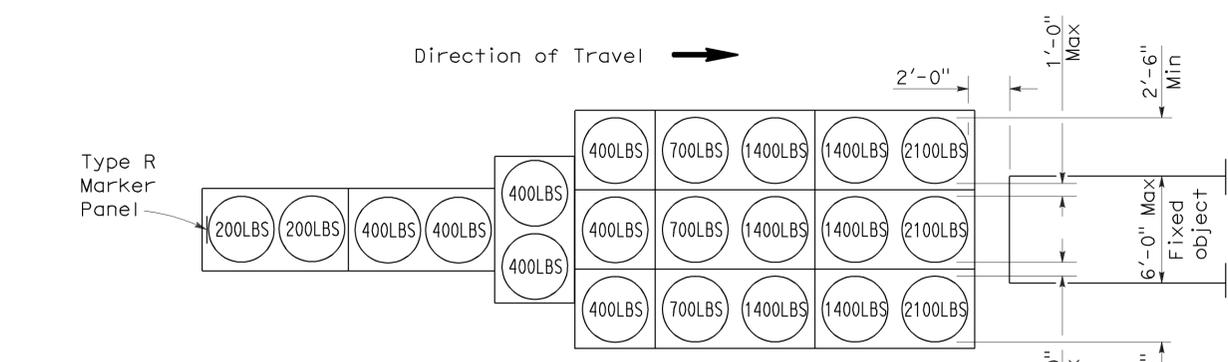
ARRAY 'TU14'

Approach speed 45 mph or more



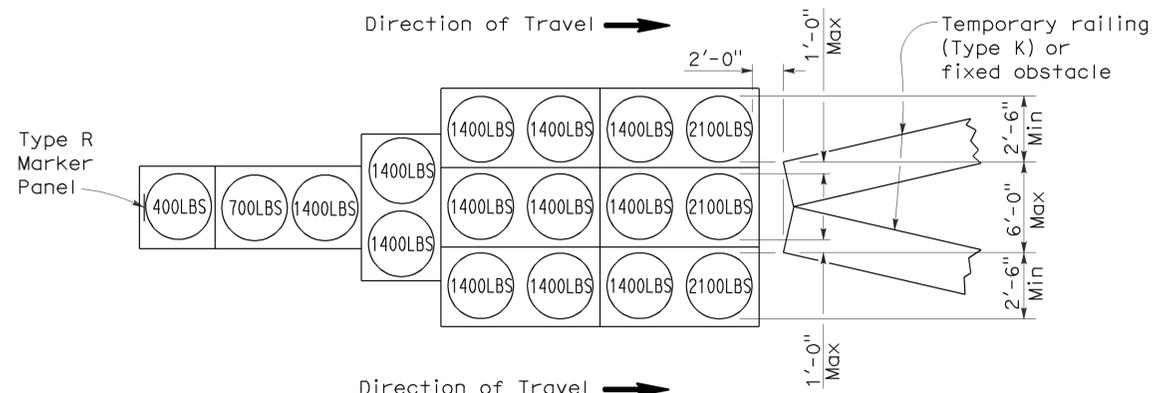
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more

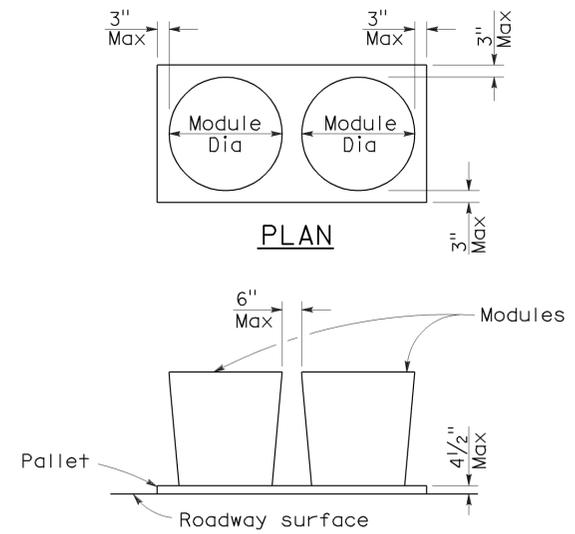


ARRAY 'TU17'

Approach speed less than 45 mph

NOTES:

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



CRASH CUSHION PALLET DETAIL
See Note 7

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Lak Men	Var	Var	9	15

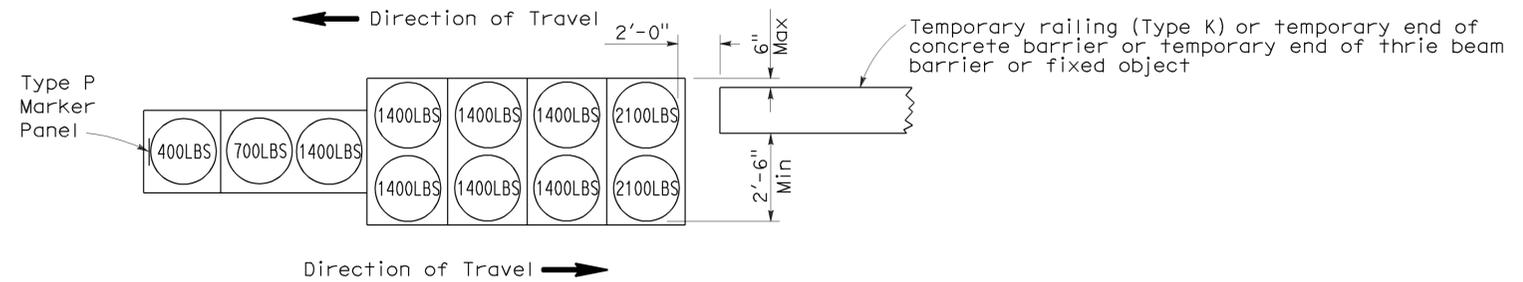
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

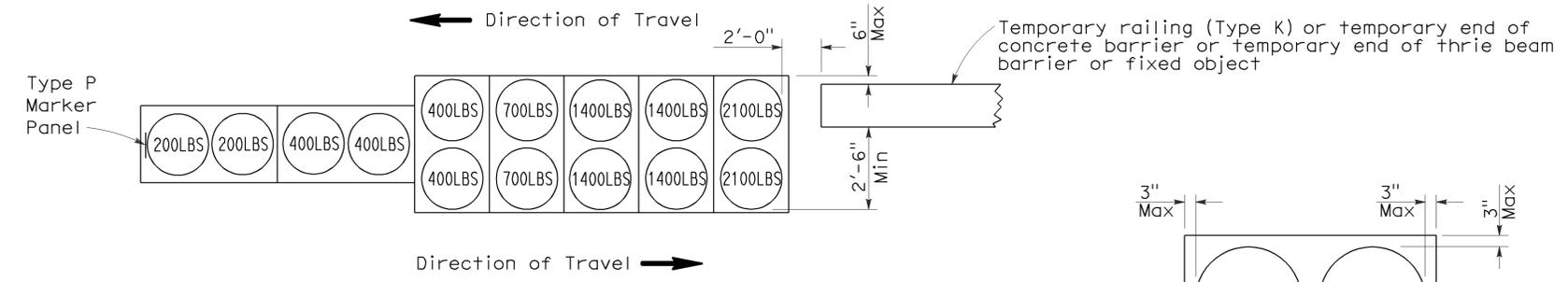
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REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

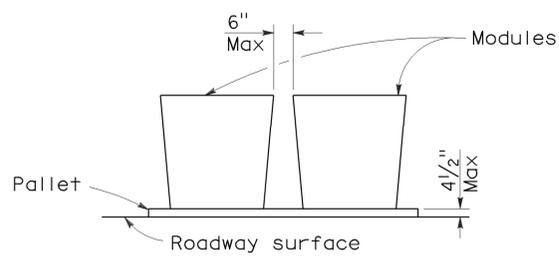
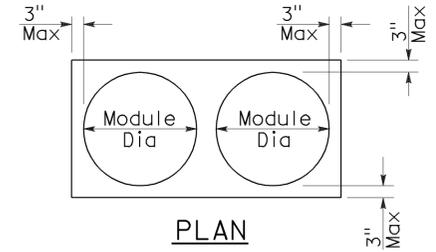
To accompany plans dated January 31, 2011



ARRAY 'TB11'
Approach speed less than 45 mph



ARRAY 'TB14'
Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL
See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

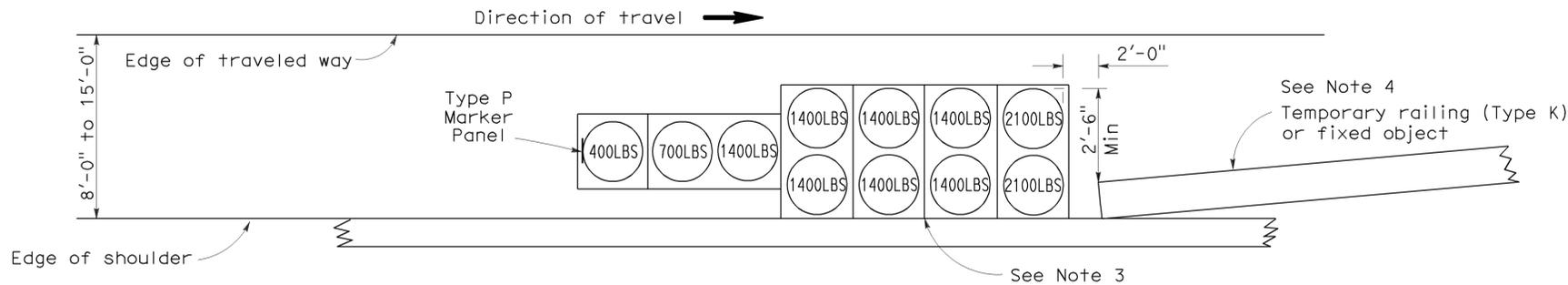
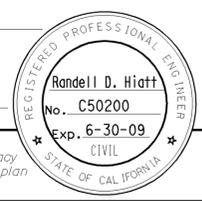
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Lak Men	Var	Var	10	15

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

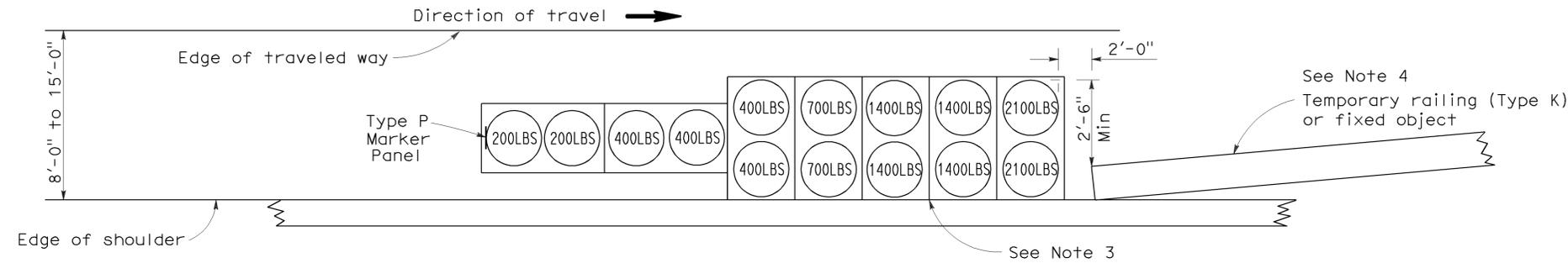
June 6, 2008
PLANS APPROVAL DATE

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To accompany plans dated January 31, 2011



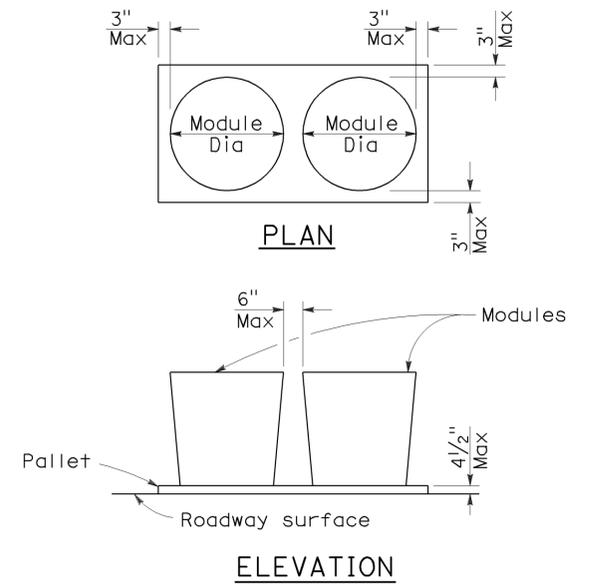
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



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

NOTES:

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



CRASH CUSHION PALLET DETAIL
See Note 11

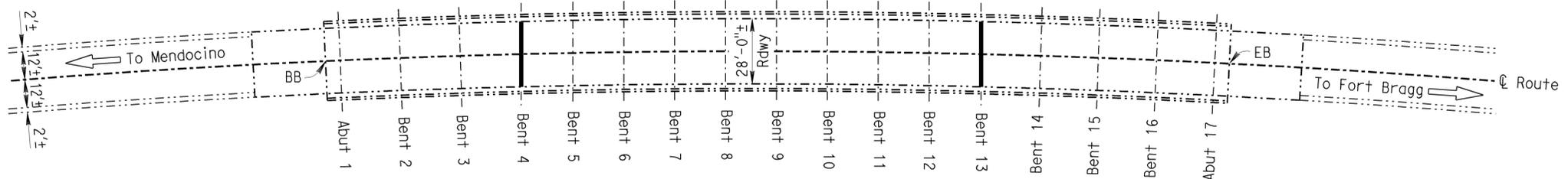
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**
NO SCALE

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

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

JUG HANDLE CREEK BR. NO. 10-0154
 QUANTITIES
 CLEAN EXPANSION JOINT 58 LF
 JOINT SEAL (MR 2") 58 LF

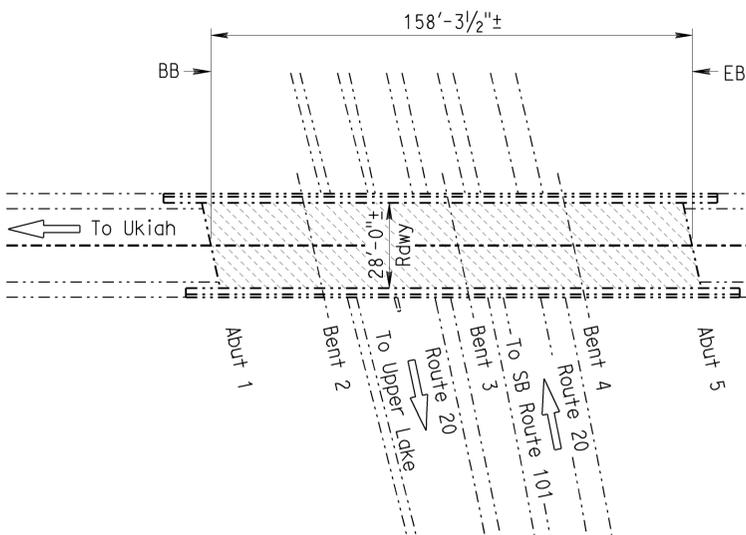


JUG HANDLE CREEK

BR NO. 10-0154, Men, ROUTE 1, PM 56.73
 1" = 30'

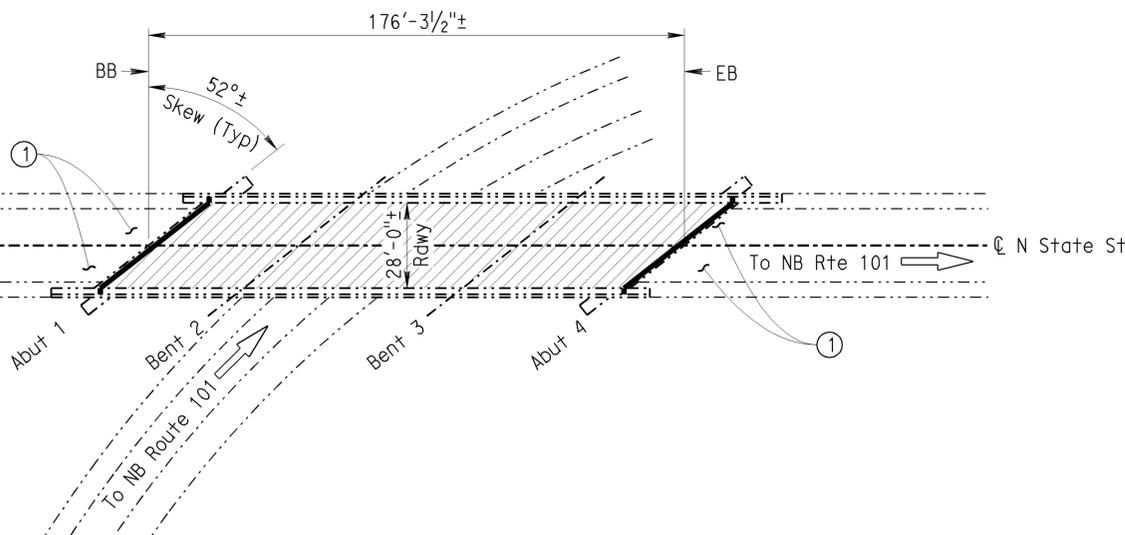
NORTH CALPELLA OC BR. NO. 10-0206
 QUANTITIES
 REMOVE UNSOUND CONCRETE 111 CF
 CLEAN BRIDGE DECK 4,431 SQFT
 RAPID SETTING CONCRETE (PATCH) 111 CF
 TREAT BRIDGE DECK 4,431 SQFT
 FURNISH BRIDGE DECK TREATMENT MATERIAL 49 GAL

NORTH CALPELLA OC BR. NO. 10-0208
 QUANTITIES
 REMOVE UNSOUND CONCRETE 25 CF
 PREPARE CONCRETE BRIDGE DECK SURFACE 4,935 SQFT
 CLEAN EXPANSION JOINT 112 LF
 RAPID SETTING CONCRETE (PATCH) 25 CF
 FURNISH POLYESTER CONCRETE OVERLAY 370 CF
 PLACE POLYESTER CONCRETE OVERLAY 4,935 SQFT
 JOINT SEAL (MR 1") 112 LF



NORTH CALPELLA OVERCROSSING

BR NO. 10-0206, Men, ROUTE 20, PM 33.30
 1" = 30'



NORTH CALPELLA OVERCROSSING

BR NO. 10-0208, Men, ROUTE 20, PM 33.32
 1" = 30'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men, Lak	1, 20, 29, 101	Var	11	15

REGISTERED CIVIL ENGINEER DATE 2-1-11
 1-31-11
 PLANS APPROVAL DATE

BRIAN P. NGUYEN
 No. C 68270
 Exp. 9-30-11
 CIVIL

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 ALL SHEETS)
- Indicates existing.
 - THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 - STANDARD PLAN SHEET NUMBER
 - DETAIL NUMBER
- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of clean and treat existing concrete bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch deck. See MISCELLANEOUS DETAILS sheet.
 - Indicates limits of prepare existing concrete deck and furnish and place new 3/4" ± depth polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete and patch deck. See MISCELLANEOUS DETAILS sheet.
 - Indicates location of remove existing joint seal and place new joint seal. See MISCELLANEOUS DETAILS sheet.
 - Conform roadway approaches to new polyester concrete overlay. See Road Plans.

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	GENERAL PLAN NO. 3
4	GENERAL PLAN NO. 4
5	MISCELLANEOUS DETAILS

STANDARD PLANS DATED MAY 2006

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

 DESIGN ENGINEER 2-1-11	DESIGN BY Brian Nguyen	CHECKED Hubert Dang	LAYOUT BY G.F. Bidwell	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTE 1, 20, 29 & 101 BRIDGES GENERAL PLAN NO. 1
	DETAILS BY G.F. Bidwell	CHECKED Hubert Dang	SPECIFICATIONS BY Todd Geerts	PLANS AND SPECIFICATIONS COMPARED Todd Geerts			POST MILE VARIOUS	
	QUANTITIES BY Brian Nguyen	CHECKED Hubert Dang					VARIES	

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

CU 01 EA 496701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

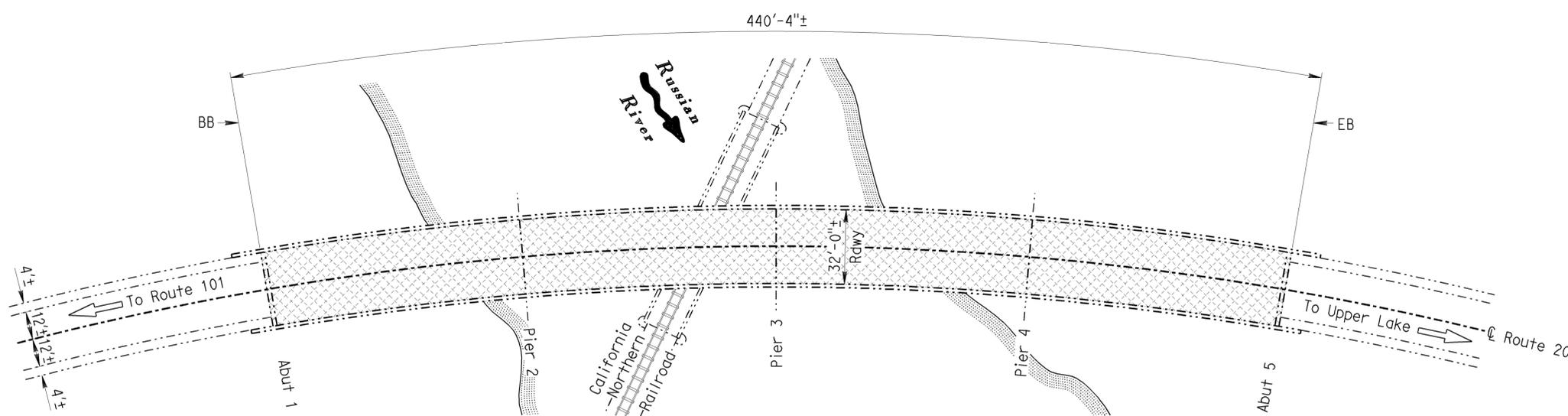
7-28-10	8-30-10	10-13-10	11-30-10	12-7-10	2-1-11
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SHEET 1 OF 5

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men, Lak	1, 20, 29, 101	Var	12	15

2-1-11
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 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.

REGISTERED PROFESSIONAL ENGINEER
 BRIAN P. NGUYEN
 No. C 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA



RUSSIAN RIVER BRIDGE AND OVERHEAD

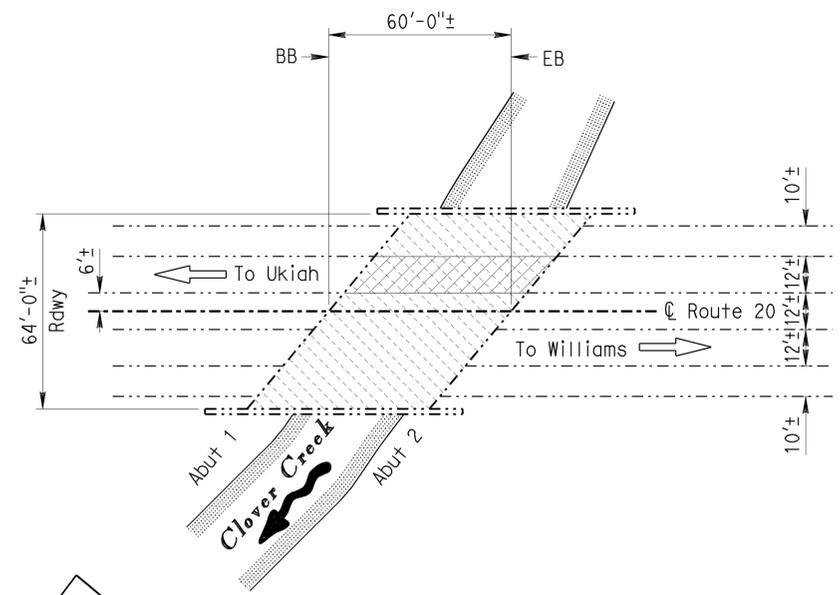
BR NO. 10-0182, Men, ROUTE 20, PM 33.63
1" = 30'

RUSSIAN RIVER BRIDGE & OH QUANTITIES	BR. NO. 10-0182	QUANTITIES
REMOVE UNSOUND CONCRETE	70	CF
CLEAN BRIDGE DECK	14,090	SQFT
REMOVE CHIP SEAL	14,090	SQFT
RAPID SETTING CONCRETE (PATCH)	70	CF
TREAT BRIDGE DECK	14,090	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	157	GAL

CLOVER CREEK QUANTITIES	BR. NO. 14-0003	QUANTITIES
REMOVE UNSOUND CONCRETE	20	CF
CLEAN BRIDGE DECK	3,840	SQFT
REMOVE CHIP SEAL	720	SQFT
RAPID SETTING CONCRETE (PATCH)	20	CF
TREAT BRIDGE DECK	3,840	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	43	GAL

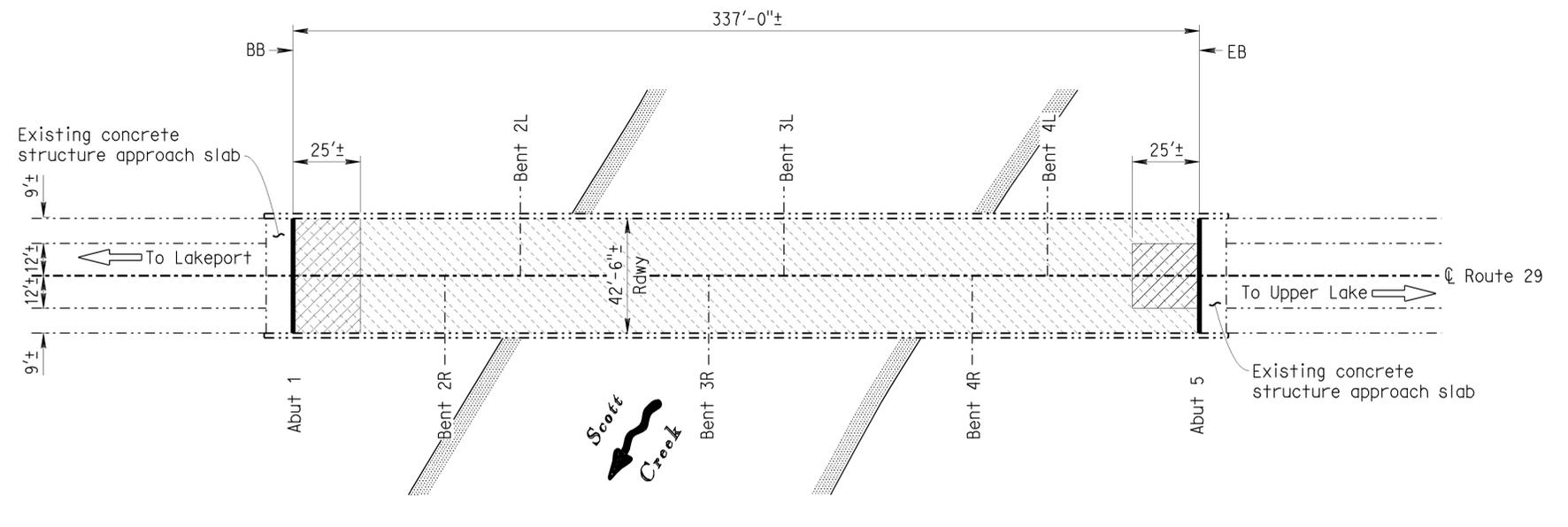
SCOTTS CREEK QUANTITIES	BR. NO. 14-0050	QUANTITIES
REMOVE UNSOUND CONCRETE	72	CF
CLEAN BRIDGE DECK	14,323	SQFT
REMOVE CHIP SEAL	1,663	SQFT
CLEAN EXPANSION JOINT	86	LF
RAPID SETTING CONCRETE (PATCH)	72	CF
JOINT SEAL (MR 2")	86	LF
TREAT BRIDGE DECK	14,323	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	159	GAL

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of remove existing HMA chip seal and clean and treat existing concrete bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch deck. See MISCELLANEOUS DETAILS sheet.
 - Indicates limits of clean and treat existing concrete bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch deck. See MISCELLANEOUS DETAILS sheet.
 - Indicates limits of remove existing AC chip seal prior to clean and treat bridge deck.
 - Indicates location of remove existing joint seal and place new joint seal. See MISCELLANEOUS DETAILS sheet.



CLOVER CREEK

BR NO. 14-0003, Lak, ROUTE 20, PM 8.89
1" = 30'



SCOTTS CREEK

BR NO. 14-0050, Lak, ROUTE 29, PM 52.11
1" = 30'

2-1-11 DESIGN ENGINEER	DESIGN	BY Brian Nguyen	CHECKED Hubert Dang	LAYOUT	BY G.F. Bidwell	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 1, 20, 29 & 101 BRIDGES GENERAL PLAN NO. 2
	DETAILS	BY G.F. Bidwell	CHECKED Hubert Dang	SPECIFICATIONS	BY Todd Geerts	CHECKED Todd Geerts			POST MILE	
	QUANTITIES	BY Brian Nguyen	CHECKED Hubert Dang					VARIES		

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

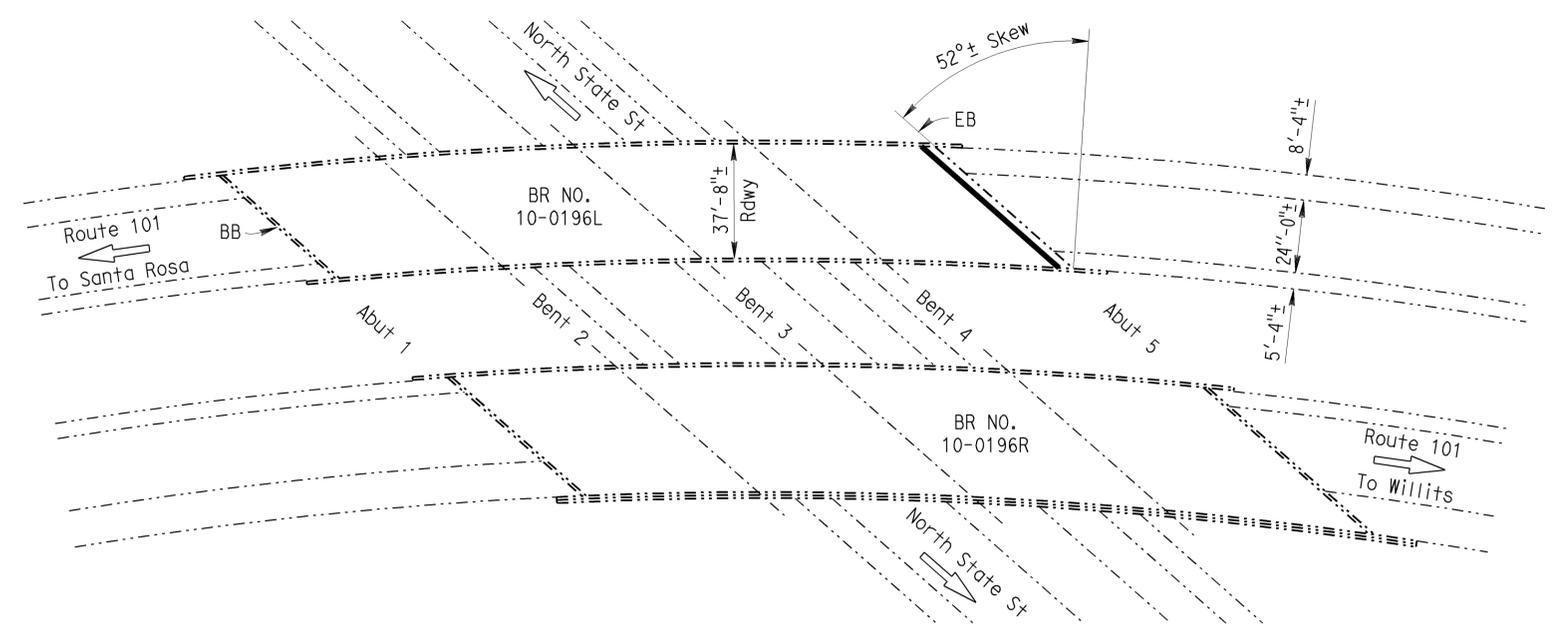
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	CU 01 EA 496701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 2 OF 5
							7-28-10 8-30-10 10-13-10 11-30-10 12-7-10 2-1-11	

FILE => 01-496701_02gp2.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men, Lak	1, 20, 29, 101	Var	13	15

REGISTERED CIVIL ENGINEER *Brian P. Nguyen* DATE 2-1-11
 PLANS APPROVAL DATE 1-31-11
 REGISTERED PROFESSIONAL ENGINEER
 BRIAN P. NGUYEN
 No. C 68270
 Exp. 9-30-11
 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.

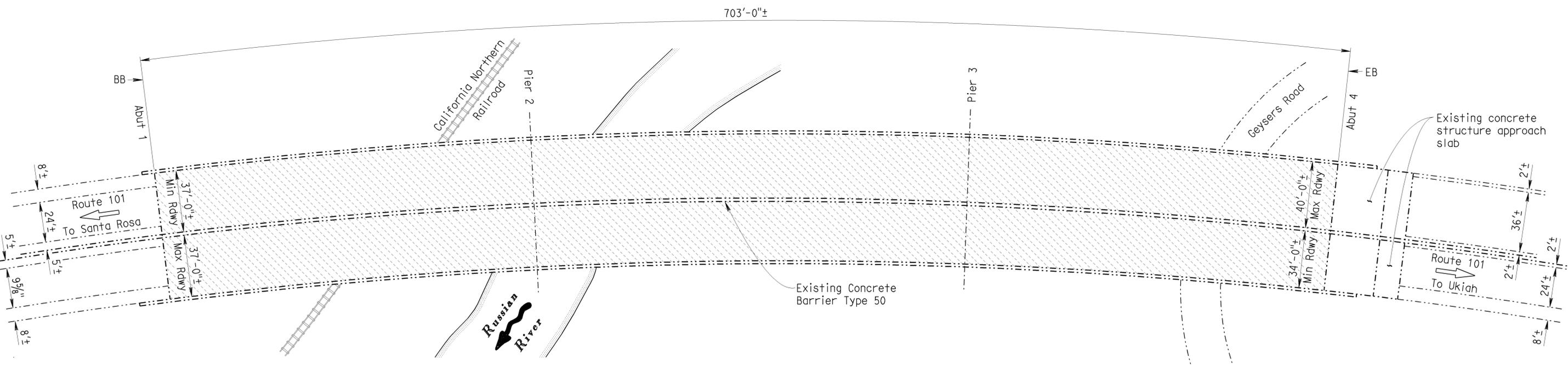


NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat existing concrete bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch deck. See MISCELLANEOUS DETAILS sheet.

Indicates location of remove existing joint seal and place new joint seal. See MISCELLANEOUS DETAILS sheet.

NORTH STATE STREET UNDERCROSSING
 BR NO. 10-0196L, Men, ROUTE 101, PM R26.16
 1" = 30'



RUSSIAN RIVER BRIDGE AND OVERHEAD
 BR NO. 10-0273, Men, ROUTE 101, PM R0.48
 1" = 30'

 DESIGN ENGINEER 2-1-11	DESIGN BY Brian Nguyen	CHECKED Hubert Dang	LAYOUT BY G.F. Bidwell	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTE 1, 20, 29 & 101 BRIDGES GENERAL PLAN NO. 3
	DETAILS BY G.F. Bidwell	CHECKED Hubert Dang	BY Todd Geerts	PLANS AND SPECIFICATIONS COMPARED Todd Geerts			POST MILE VARIOUS	
	QUANTITIES BY Brian Nguyen	CHECKED Hubert Dang					VARIES	

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

CU 01 EA 496701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

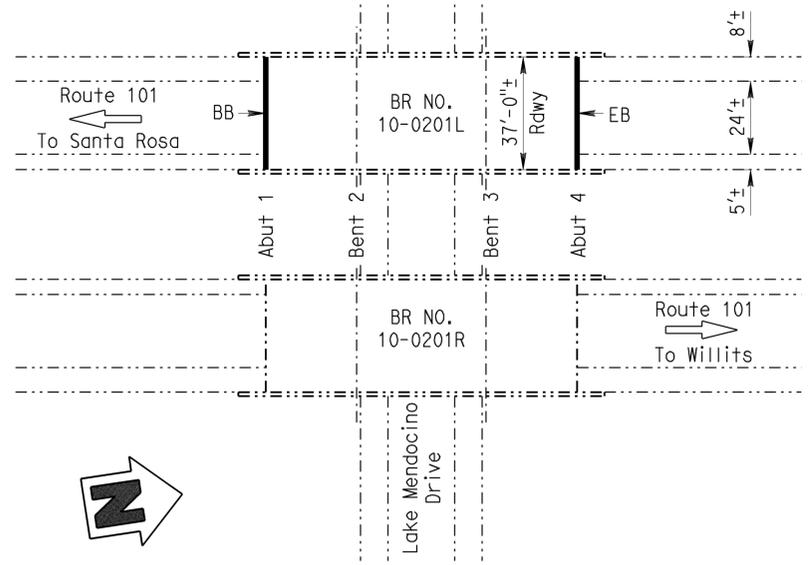
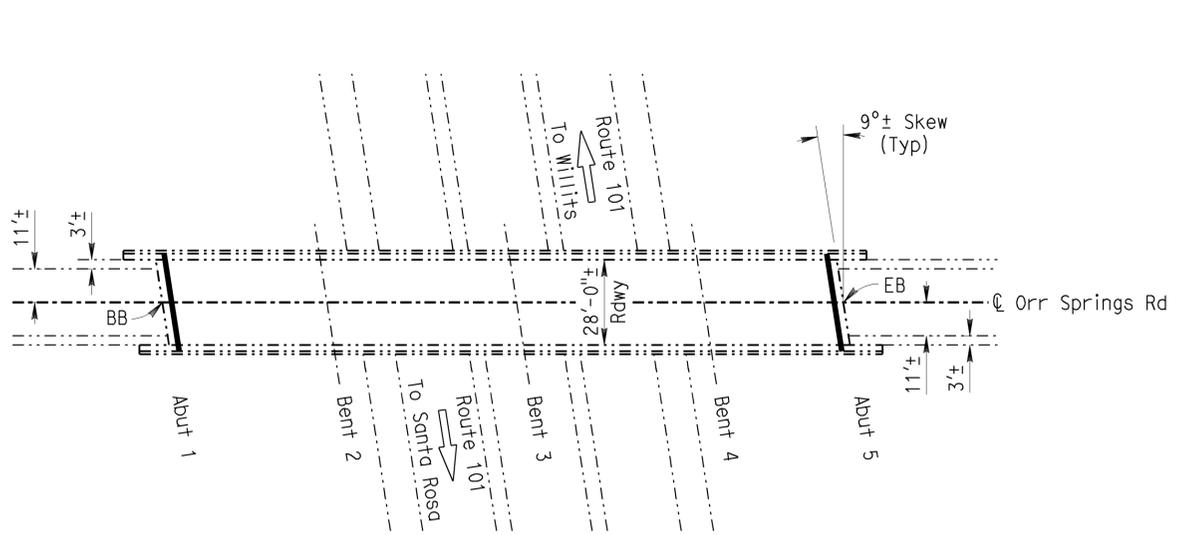
REVISION DATES	SHEET	OF
7-28-10 8-30-10 10-13-10 11-30-10 12-7-10 2-1-11	3	5

FILE => 01-496701_03gp3.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men, Lak	1, 20, 29, 101	Var	14	15

REGISTERED CIVIL ENGINEER DATE 2-1-11
 1-31-11
 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.

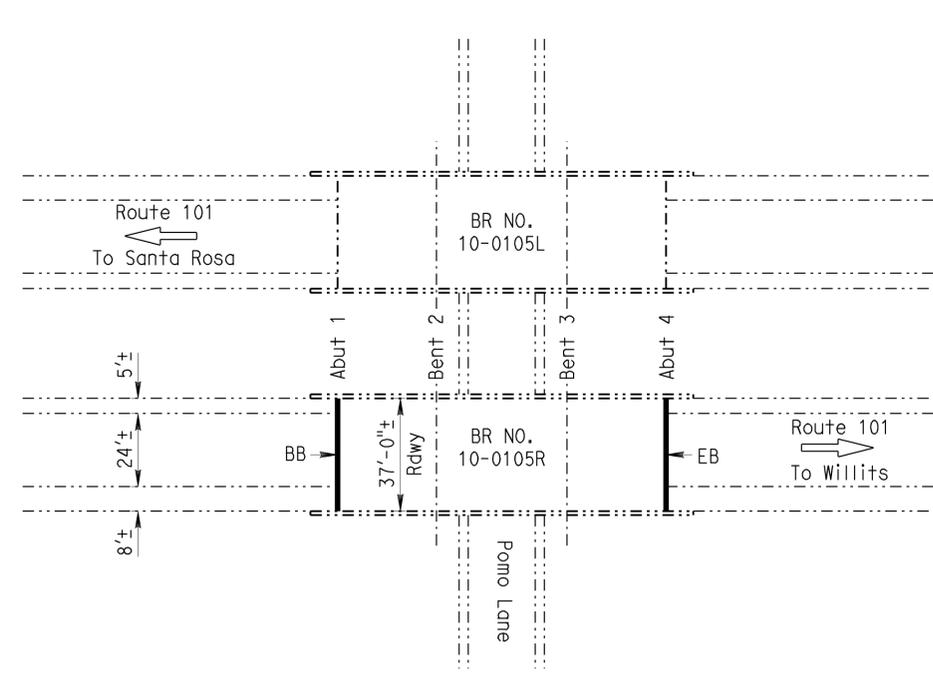
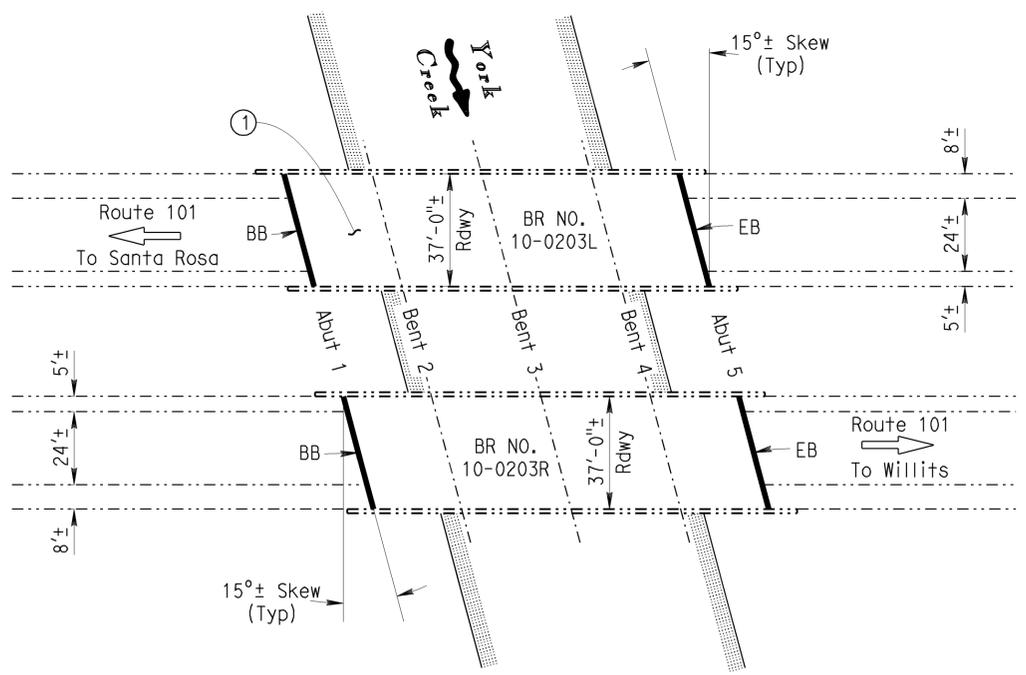
REGISTERED PROFESSIONAL ENGINEER
 BRIAN P. NGUYEN
 No. C 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA



ORRS SPRINGS ROAD OVERCROSSING
 BR NO. 10-0198, Men, ROUTE 101, PM R26.39
 1" = 30'

LAKE MENDOCINO DRIVE UNDERCROSSING
 BR NO. 10-0201L, Men, ROUTE 101, PM 27.41
 1" = 30'

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates location of remove existing joint seal and place new joint seal. See MISCELLANEOUS DETAILS sheet.
 - ① Take two deck core sample at locations as directed by the Engineer.



YORK CREEK
 BR NO. 10-0203L/R, Men, ROUTE 101, PM 28.26
 1" = 30'

POMO LANE UNDERCROSSING
 BR NO. 10-0105R, Men, ROUTE 101, PM R28.58
 1" = 30'

ORRS SPRINGS ROAD OC	BR. NO. 10-0198	QUANTITIES	
CLEAN EXPANSION JOINT			66 LF
JOINT SEAL (MR 1")			66 LF
LAKE MENDOCINO DRIVE UC	BR. NO. 10-0201L	QUANTITIES	
CLEAN EXPANSION JOINT			76 LF
JOINT SEAL (MR 1/2")			76 LF
YORK CREEK	BR. NO. 10-0203L/R	QUANTITIES	
CLEAN EXPANSION JOINT			156 LF
JOINT SEAL (MR 1/2")			156 LF
CORE BRIDGE DECK			2 EA
POMO LANE UC	BR. NO. 10-0105R	QUANTITIES	
CLEAN EXPANSION JOINT			76 LF
JOINT SEAL (MR 1/2")			76 LF

 DESIGN ENGINEER 2-1-11	DESIGN BY Brian Nguyen	CHECKED Hubert Dang	LAYOUT BY G.F. Bidwell	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTE 1, 20, 29 & 101 BRIDGES GENERAL PLAN NO. 4
	DETAILS BY G.F. Bidwell	CHECKED Hubert Dang	BY Todd Geerts	PLANS AND SPECIFICATIONS COMPARED Todd Geerts			POST MILE VARIES	
QUANTITIES BY Brian Nguyen	CHECKED Hubert Dang				CU 01	EA 496701	REVISION DATES	SHEET 4 OF 5

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: 7-28-10, 8-30-10, 10-13-10, 11-30-10, 12-7-10, 2-1-11
 FILE => 01-496701_04gp4.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men, Lak	1, 20, 29, 101	Var	15	15
 REGISTERED CIVIL ENGINEER			2-1-11	DATE	
1-31-11 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.					

The following note applies to JOINT SEAL TYPE A:
 Install Type A joint seal 3" up into curb or rail on the low side of the deck where joint matches curb or rail joint. For details not shown see 

JOINT SEAL TABLE										
BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (inches)	APPROXIMATE LENGTH (feet)	EXISTING WATERSTOP	APPROXIMATE DEPTH TO CLEAN EXPANSION JOINT (inches)	APPROXIMATE DEPTH OF JOINT SPALLS (inches)*	APPROXIMATE WIDTH OF JOINT SPALLS (inches)*	APPROXIMATE LENGTH OF JOINT SPALLS (FEET)*
JUG HANDLE CREEK	10-0154	Bent 4	BJ	2	29.0	No	16.0	3.0	6.0	5.0
		Bent 13	BJ	2	29.0	No	16.0	3.0	6.0	2.0
NORTH CALPELLA OC	10-0208	Abut 1	BW	1	56.0	Yes	8.0	3.0	6.0	2.0
		Abut 4	BW	1	56.0	Yes	8.0	3.0	6.0	2.0
SCOTTS CREEK	14-0050	Abut 1	PN	2	43.0	No	12.0	3.0	6.0	2.0
		Abut 5	PN	2	43.0	No	12.0	3.0	6.0	2.0
NORTH STATE STREET UC	10-0196L	Abut 5	BW	1	62.0	Yes	8.0	3.0	6.0	2.0
ORRS SPRINGS ROAD OC	10-0198	Abut 1	BW	1	33.0	Yes	6.0	3.0	6.0	2.0
		Abut 5	BW	1	33.0	Yes	6.0	3.0	6.0	2.0
LAKE MENDOCINO DRIVE UC	10-0201L	Abut 1	PN	1/2	38.0	No	12.0	3.0	6.0	2.0
		Abut 4	PN	1/2	38.0	No	12.0	3.0	6.0	2.0
YORK CREEK	10-0203L	Abut 1	PN	1/2	39.0	No	12.0	3.0	6.0	2.0
		Abut 4	PN	1/2	39.0	No	12.0	3.0	6.0	2.0
	10-0203R	Abut 1	PN	1/2	39.0	No	12.0	3.0	6.0	2.0
		Abut 4	PN	1/2	39.0	No	12.0	3.0	6.0	2.0
POMO LANE UC	10-0105R	Abut 1	PN	1/2	38.0	No	12.0	3.0	6.0	2.0
		Abut 4	PN	1/2	38.0	No	12.0	3.0	6.0	2.0

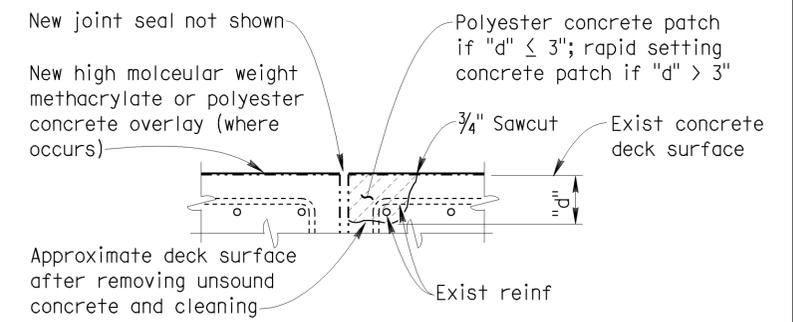
LEGEND:
 BW = Backwall
 PN = Paving Notch
 BJ = Bent Joint
 * = Location to be determined by the Engineer, see "DECK & JOINT REPAIR DETAIL"

CONCRETE SPALL/DECK REPAIR TABLE

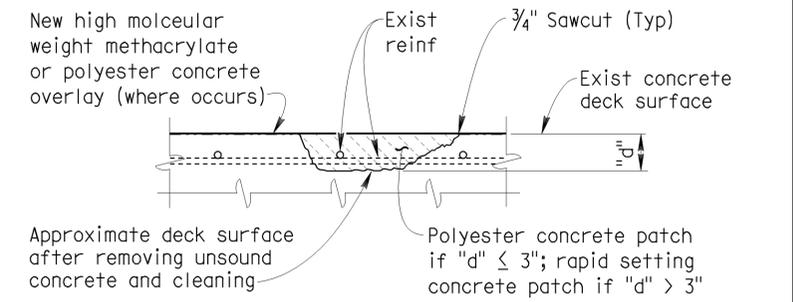
REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE

BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
NORTH CALPELLA OC	10-0206	10	3
NORTH CALPELLA OC	10-0208	2	3
RUSSIAN RIVER BOH	10-0182	2	3
CLOVER CREEK	14-0003	2	3
SCOTTS CREEK	14-0050	2	3
RUSSIAN RIVER BOH	10-0273	2	3

Locations to be determined by the Engineer. For details see "DECK & JOINT REPAIR DETAIL".



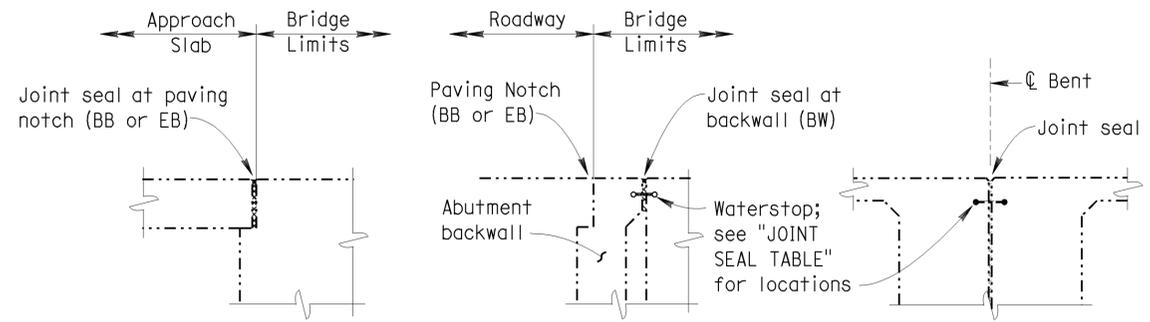
JOINT REPAIR



DECK REPAIR

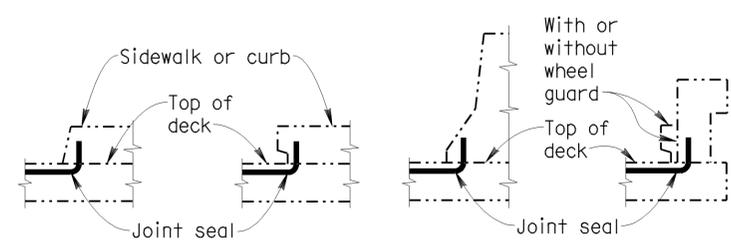
DECK & JOINT REPAIR DETAIL

Reinforcement may be encountered during deck concrete removal and is to remain undamaged. NO SCALE



JOINT SEAL LOCATION

NO SCALE



JOINT SEAL AT LOW SIDE OF DECK

Details shown for illustration purposes only. For use only where deck joint matches the barrier rail joint. NO SCALE

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY Brian Nguyen	CHECKED Hubert Dang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 1, 20, 29 & 101 BRIDGES					
	DETAILS	BY G.F. Bidwell	CHECKED Hubert Dang			POST MILE			VARIES				
	QUANTITIES	BY Brian Nguyen	CHECKED Hubert Dang			REVISION DATES							
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	CU 01 EA 496701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	7-28-10	8-30-10	10-13-10	11-30-10	12-7-10	2-1-11	SHEET 5 OF 5