Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha Sis,Tri	3,36,299	Var	1	17

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

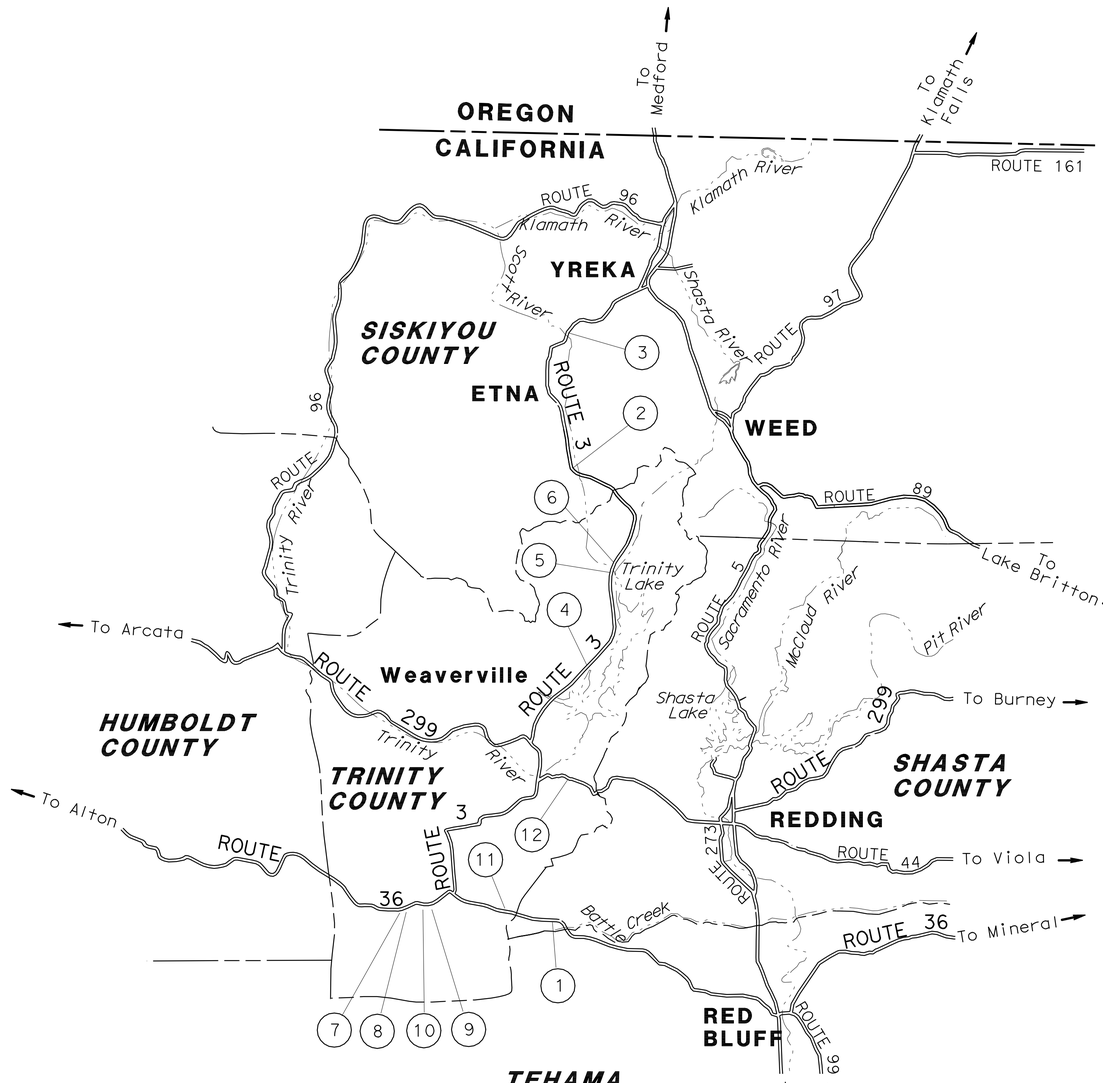
STATE HIGHWAY

IN SHASTA, SISKIYOU, AND TRINITY COUNTIES AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

INDEX OF SHEETS

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



NO SCALE

LOCATION MAP

Loc	COUNTY	ROUTE	POST MILE	BRIDGE No.	BRIDGE NAME
1	Sha	36	7.58	06-0209	MIDDLE FORK COTTONWOOD CREEK
2	Sis	3	8.89	02-0165	SOUTH FORK SCOTT RIVER
3	Sis	3	31.68	02-0057	SCOTT RIVER
4	Tri	3	49.71	05-0078	DIENER MINE SIDEHILL VIADUCT
5	Tri	3	67.70	05-0060	COFFEE CREEK
6	Tri	3	69.63	05-0032	TRINITY RIVER
7	Tri	36	R19.99	05-0074	RATTLESNAKE CREEK
8	Tri	36	R20.05	05-0075	RATTLESNAKE CREEK
9	Tri	36	R21.01	05-0072	LOWER RATTLESNAKE CREEK
10	Tri	36	R20.42	05-0073	UPPER RATTLESNAKE CREEK
11	Tri	36	R38.37	05-0007	HAYFORK CREEK
12	Tri	299	65.45	05-0013	GRASS VALLEY CREEK

Roy S Cahill 10-05-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

ROY S. CAHILL No. C48876 Exp. 9-30-12 CIVIL
REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

January 21, 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."

CONTRACT No.	02-2E3304
PROJECT ID	0200000584

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PROJECT MANAGER: LANCE BROWN
DESIGN ENGINEER: LANCE BROWN

LAST REVISION 01-19-11 DATE PLOTTED => 31-JAN-2011 TIME PLOTTED => 12:34

BORDER LAST REVISED 7/2/2010 | CALTRANS WEB SITE IS: HTTP//WWW.DOT.CA.GOV/ | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s115152 DGN FILE => 22e330ab001.dgn | UNIT 0156 | PROJECT NUMBER & PHASE 02000005841

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha Sis,Tri	3,36, 299	Var	2	17

Roy S Cahill 10-05-10
REGISTERED CIVIL ENGINEER DATE

ROY S. CAHILL No. 48876 Exp. 9-30-12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

01-21-11
PLANS APPROVAL DATE

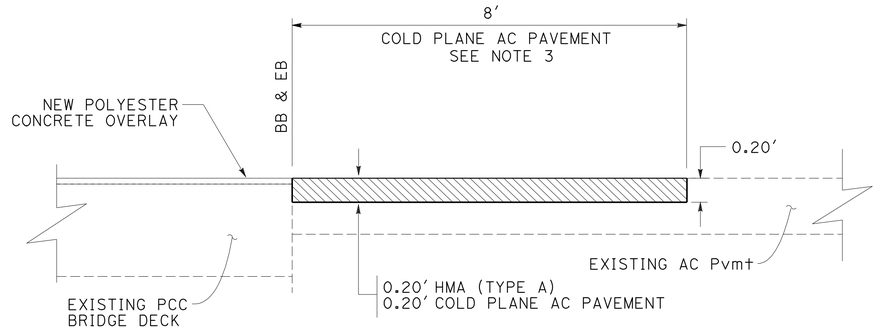
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. 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)

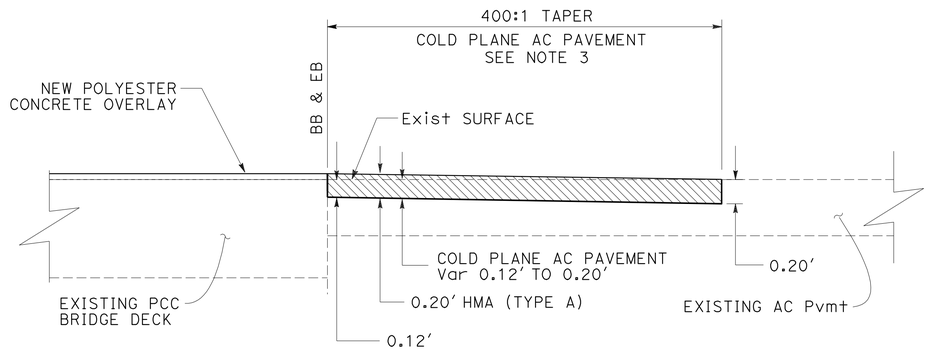


PROFILE

MODIFY PAVEMENT TYPICAL

(11) HAYFORK CREEK, Br No. 05-0007

(6) TRINITY RIVER, Br No. 05-0032

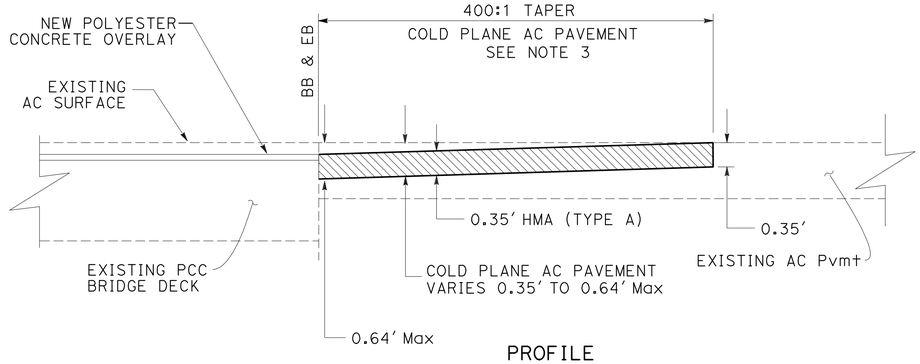


PROFILE

MODIFY PAVEMENT TYPICAL

(12) GRASS VALLEY CREEK, Br No. 05-0013

(4) DIENER MINE SIDEHILL VIADUCT, Br No. 05-0078



PROFILE

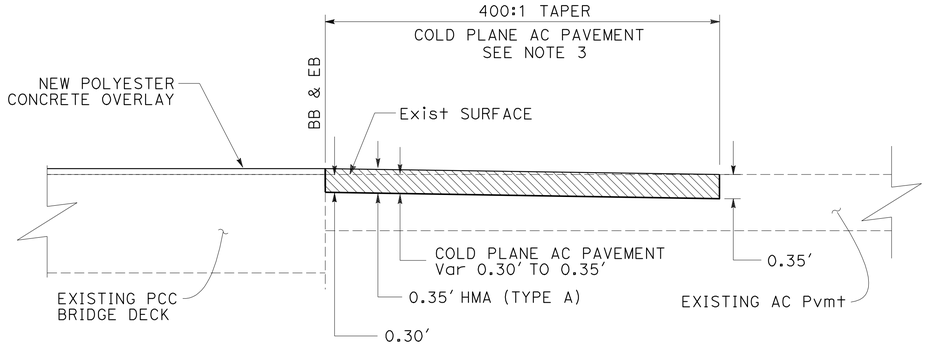
MODIFY PAVEMENT TYPICAL

(5) COFFEE CREEK, Br No. 05-0060

(9) LOWER RATTLESNAKE CREEK, Br No. 05-0072

(10) UPPER RATTLESNAKE CREEK, Br No. 05-0073

(8) RATTLESNAKE CREEK, Br No. 05-0075



PROFILE

MODIFY PAVEMENT TYPICAL

(7) RATTLESNAKE CREEK, Br No. 05-0074

NOTE: CONSTRUCT ONE CONTINUOUS TAPER BETWEEN THE EB OF 05-0074 AND THE BB OF 05-0075.

CONSTRUCTION DETAILS

NO SCALE

C-1

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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LAST REVISION | DATE PLOTTED => 01-FEB-2011
10-04-10 | TIME PLOTTED => 10:09

BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 22e330ga001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02000005841

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha Sis,Tri	3,36, 299	Var	3	17

Roy S Cahill 10-05-10
REGISTERED CIVIL ENGINEER DATE

01-21-11
PLANS APPROVAL DATE

ROY S. CAHILL No. 48876 Exp. 9-30-12 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 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 HAVE NOT BEEN PLOTTED ON THESE PLANS.
4. ALL SIGNS SHALL BE BLACK ON ORANGE.
5. NO CONSTRUCTION AREA SIGNS ARE REQUIRED FOR LOCATIONS 1, 2 AND 3.

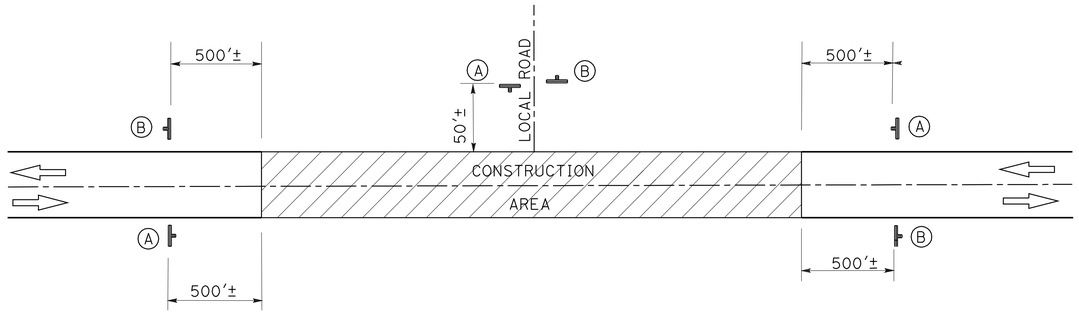
LEGEND:

ONE POST STATIONARY MOUNTED SIGN

DIRECTION OF TRAFFIC

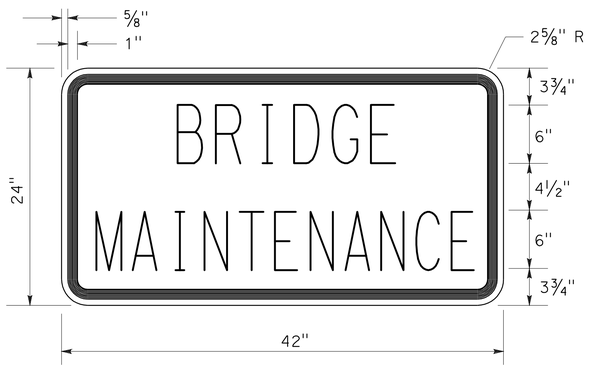
CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

SIGN No.	TYPE	PANEL SIZE INCHES	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
(A)	W20-1 C23B(CA)	48" x 48" 36" x 18"	ROAD WORK AHEAD BRIDGE MAINTENANCE	1 - 4" x 6"	29
(B)	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	29



CONSTRUCTION AREA SIGNS

DIENER MINE SIDEHILL VIADUCT, Br No. 05-0078
COFFEE CREEK, Br No. 05-0060
TRINITY RIVER, Br No. 05-0032
RATTLESNAKE CREEK, Br No. 05-0074
RATTLESNAKE CREEK, Br No. 05-0075
LOWER RATTLESNAKE CREEK, Br No. 05-0072
UPPER RATTLESNAKE CREEK, Br No. 05-0073
HAYFORK CREEK, Br No. 05-0007
GRASS VALLEY CREEK, Br No. 05-0013



C23B(CA) SIGN PANEL DETAIL

LOCAL ROAD CONNECTIONS

LOCATION (PM)	CONNECTION NAME
Tri-3-67.70	GROVES Rd
Tri-3-67.89	COFFEE Cr Rd, Lt & Rt
Tri-3-69.57	ROAD, Lt & Rt
Tri-3-69.79	ROAD, Lt & Rt
Tri-36-19.16	FLUME GULCH Rd, Lt & Rt
Tri-36-20.05	OLD Hwy 36 (LOWER RATTLESNAKE Rd)
Tri-36-20.40	FOREST SERVICE Rd

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: DATE PLOTTED => 31-JAN-2011 TIME PLOTTED => 12:35

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

BORDER LAST REVISED 7/2/2010
USERNAME => s115152
DGN FILE => 22e330la001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0156
PROJECT NUMBER & PHASE 02000005841

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha Sis,Tri	3,36, 299	Var	4	17

Roy S Cahill 10-05-10
REGISTERED CIVIL ENGINEER DATE

01-21-11
PLANS APPROVAL DATE

ROY S. CAHILL No. 48876 Exp. 9-30-12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

NOTES:

1. NEW TRAFFIC STRIPE TO MATCH EXISTING TRAFFIC STRIPE PATTERN.
2. NEW PAVEMENT MARKING TO MATCH EXISTING PAVEMENT MARKING PATTERN.
3. REMOVE THERMOPLASTIC TRAFFIC STRIPE APPLIES ONLY TO TRAFFIC STRIPE LOCATED ON THE BRIDGE DECKS.
4. TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES INCLUDE EACH BRIDGE AND APPROXIMATELY 100' EACH SIDE OF EACH BRIDGE.
5. INSTALL PAVEMENT MARKERS ON AC SURFACES ONLY. NO RECESSED PAVEMENT MARKERS ARE TO BE INSTALLED ON THE BRIDGE DECKS.

ROADWAY QUANTITIES SUMMARY

Loc	Co	Rte	PM	BRIDGE No.	BRIDGE NAME	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				PAVEMENT MARKER (RETROREFLECTIVE RECESSED)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	BRIDGE APPROACH AND DEPARTURE PAVEMENT		THERMOPLASTIC PAVEMENT MARKING	PAVEMENT MARKING REMARKS
						DETAIL 21	DETAIL 22	DETAIL 27B	DETAIL 27C	TYPE-D		COLD PLANE AC PAVEMENT	HMA (TYPE A)		
						LF	LF	LF	LF	EA	LF	SQYD	TON	SQFT	
1	Sha	36	7.58	06-0209	MIDDLE FORK COTTONWOOD CREEK	321		642			483				
2	Sis	3	8.89	02-0165	SOUTH FORK SCOTT RIVER										
3	Sis	3	31.68	02-0057	SCOTT RIVER										
4	Tri	3	49.71	05-0078	DIENER MINE SIDEHILL VIADUCT	620		1240			1680	237	33		
5	Tri	3	67.70	05-0060	COFFEE CREEK	422		844				741	182		
6	Tri	3	69.63	05-0032	TRINITY RIVER	518		1036				57	8		
7	Tri	36	R19.99	05-0074	RATTLESNAKE CREEK	411		822				156	38		
8	Tri	36	R20.05	05-0075	RATTLESNAKE CREEK	227		454	100			489	120	57	LIMIT LINE & "STOP"
9	Tri	36	R21.01	05-0072	LOWER RATTLESNAKE CREEK	400		750	50			489	120		
10	Tri	36	R21.42	05-0073	UPPER RATTLESNAKE CREEK	550		1025	75			499	122	57	LIMIT LINE & "STOP"
11	Tri	36	R38.37	05-0007	HAYFORK CREEK	438		876				50	7		
12	Tri	299	65.45	05-0013	GRASS VALLEY CREEK		552	1104		20	1408	237	33		
					SUBTOTAL	3907	552	8793	225						
					TOTAL	13477				20	3571	2955	663	114	

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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SUMMARY OF QUANTITIES
Q-1

LAST REVISION DATE PLOTTED => 01-FEB-2011
TIME PLOTTED => 10:10

BORDER LAST REVISED 7/2/2010
USERNAME => s115152
DGN FILE => 22e330pa001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0156
PROJECT NUMBER & PHASE 02000005841

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sha Sis,Tri	3,36, 299	Var	5	17

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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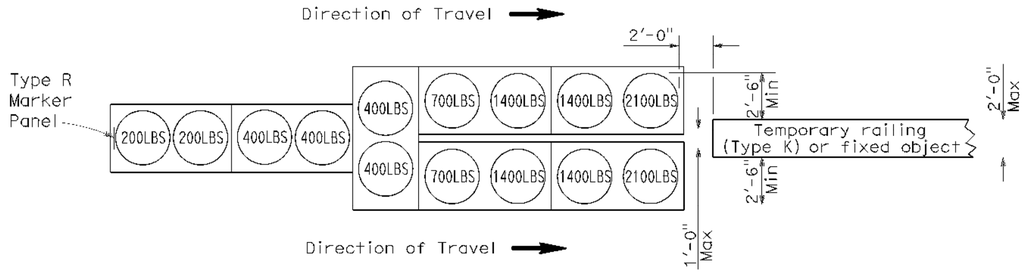
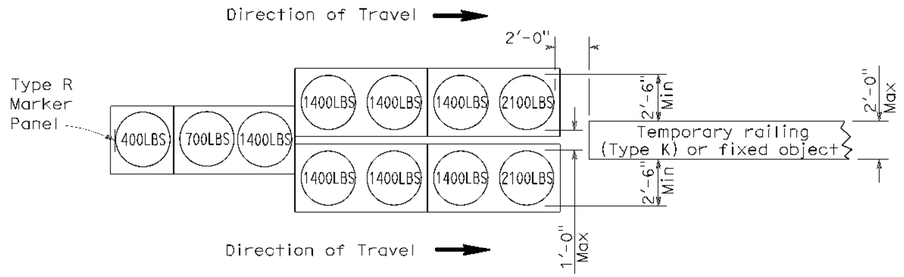
To accompany plans dated 01-21-11

2006 REVISED STANDARD PLAN RSP T1A



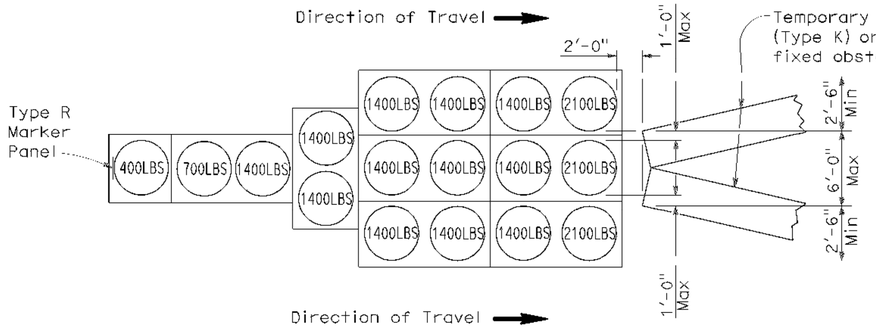
ARRAY 'TU14'

Approach speed 45 mph or more



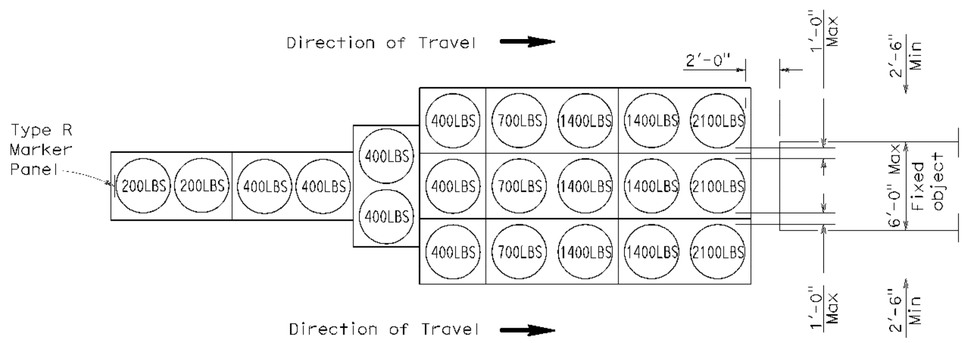
ARRAY 'TU11'

Approach speed less than 45 mph



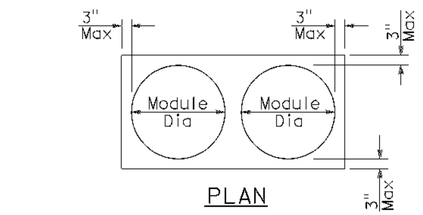
ARRAY 'TU17'

Approach speed less than 45 mph

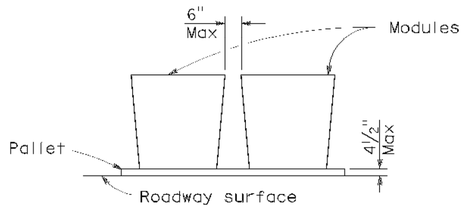


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

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 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.

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

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5 15 08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sha Sis,Tri	3,36, 299	Var	6	17

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Randell D. Hiatt — No. C50200 — Exp. 6-30-09 CIVIL — STATE OF CALIFORNIA

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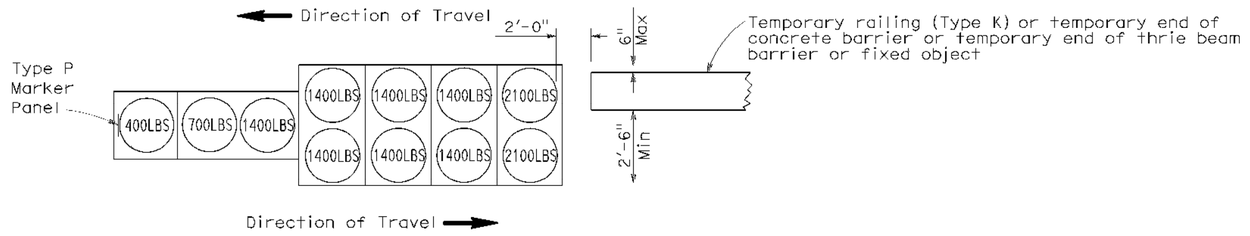
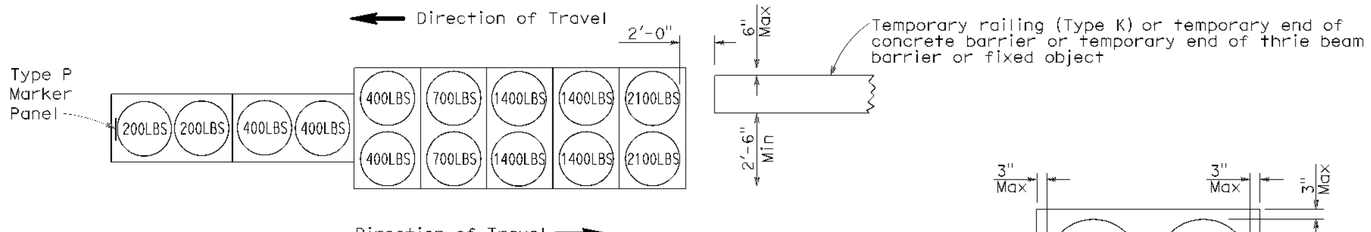
To accompany plans dated 01-21-11



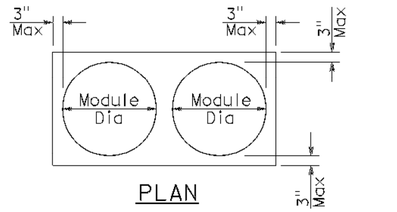
ARRAY 'TB11'

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

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5 15 08

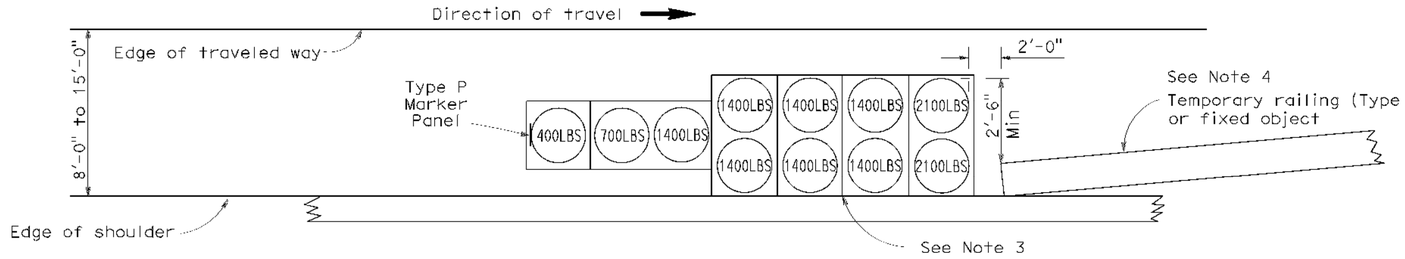
DIST	COUNTY	ROUTE	POST MILLS TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sha Sis,Tri	3,36, 299	Var	7	17

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

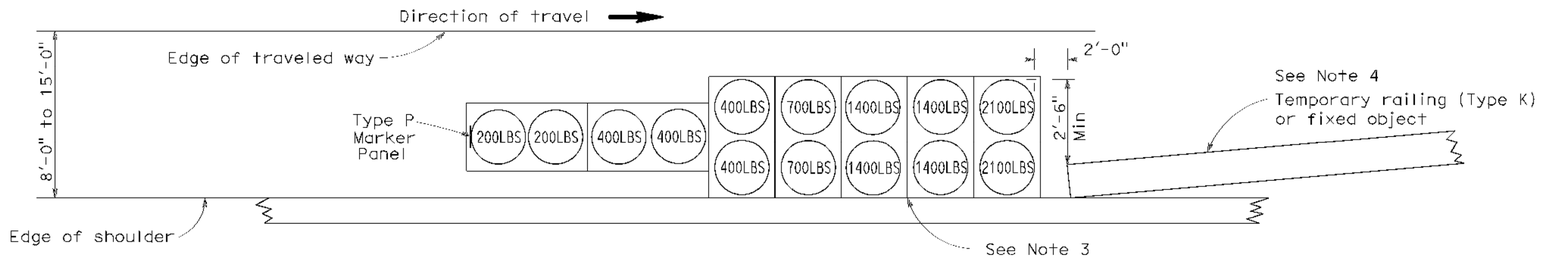
REGISTERED PROFESSIONAL ENGINEER — Randell D. Hiatt — No. C50200 — Exp. 6-30-09 — CIVIL — STATE OF CALIFORNIA

To accompany plans dated 01-21-11



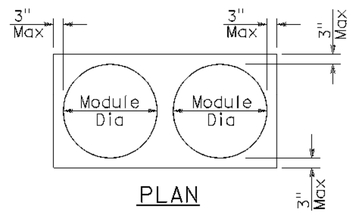
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

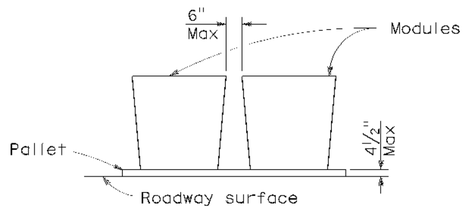


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

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.

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

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5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sha Sis,Tri	3,36, 299	Var	8	17

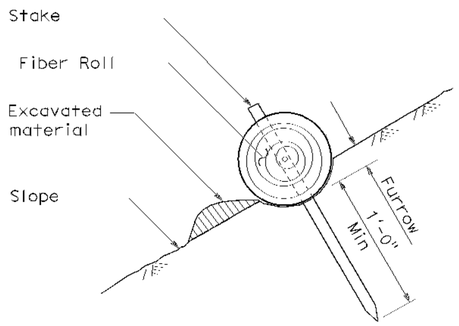
Robert B Schott
LICENSED LANDSCAPE ARCHITECT

April 3, 2009
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Robert B. Schott 3035 — Registration Expires 11-30-10 — Renewal Date 2-25-09 — Date — STATE OF CALIFORNIA

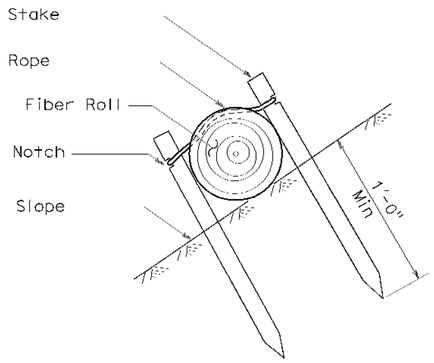
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 01-21-11

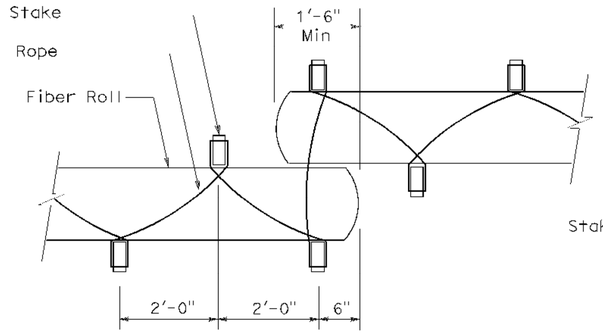


SECTION

TEMPORARY FIBER ROLL (TYPE 1)

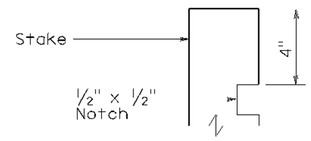


SECTION



PLAN

TEMPORARY FIBER ROLL (TYPE 2)

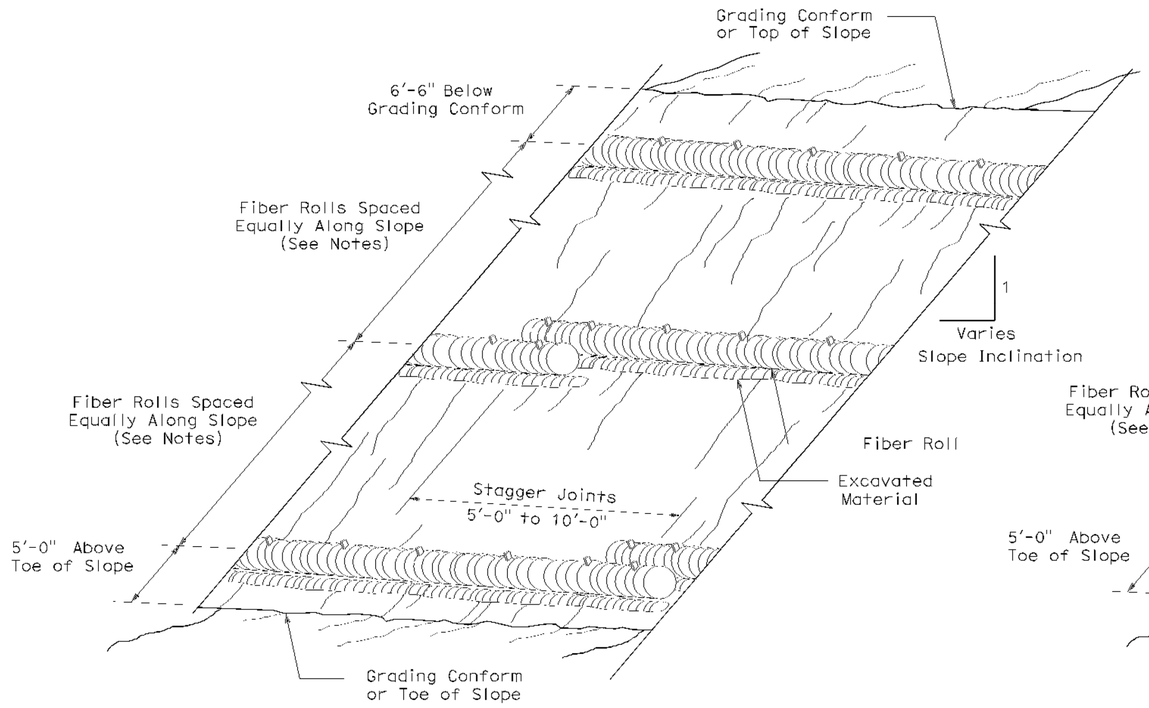


ELEVATION

STAKE NOTCH DETAIL

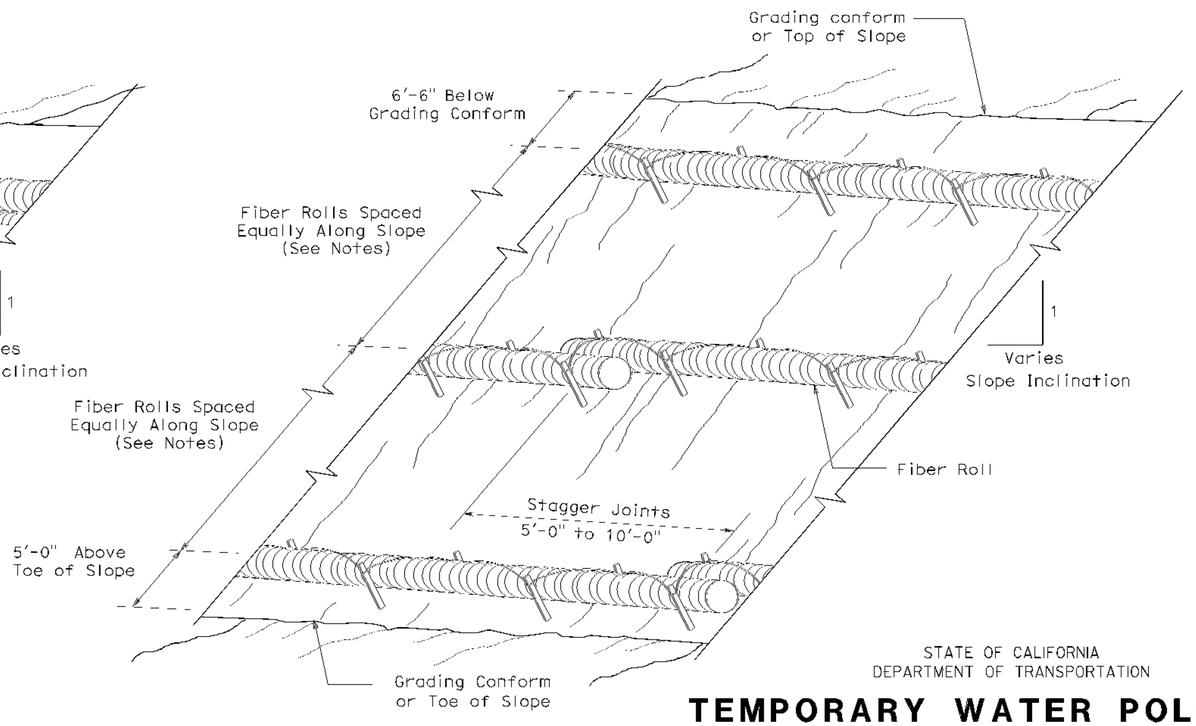
NOTES:

1. Temporary fiber roll spacing varies depending upon slope inclination.
2. Installations shown in the perspectives are for slope inclination of 10:1 and steeper.



PERSPECTIVE

TEMPORARY FIBER ROLL (TYPE 1)



PERSPECTIVE

TEMPORARY FIBER ROLL (TYPE 2)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY FIBER ROLL)

NO SCALE

RSP T56 DATED APRIL 3, 2009 SUPERSEDES STANDARD PLAN T56 DATED MAY 1, 2006 - PAGE 232 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T56

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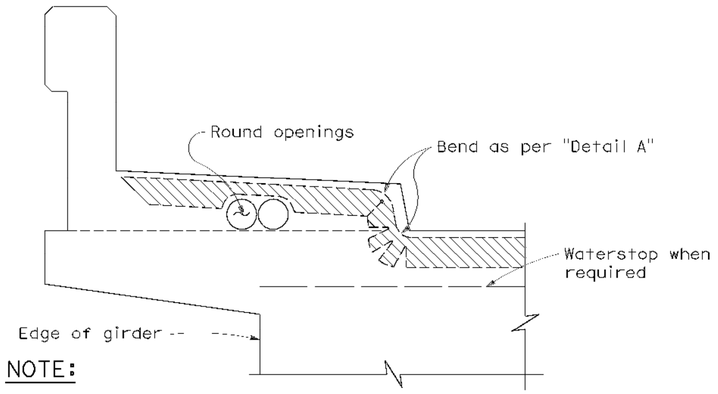
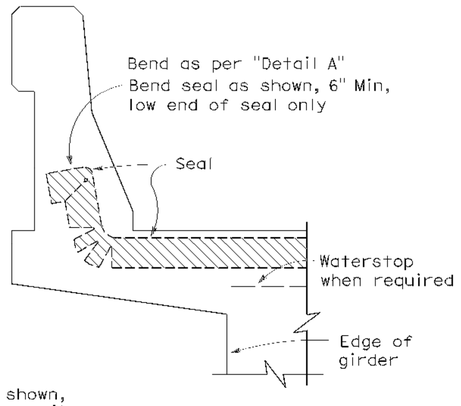
2 23 09



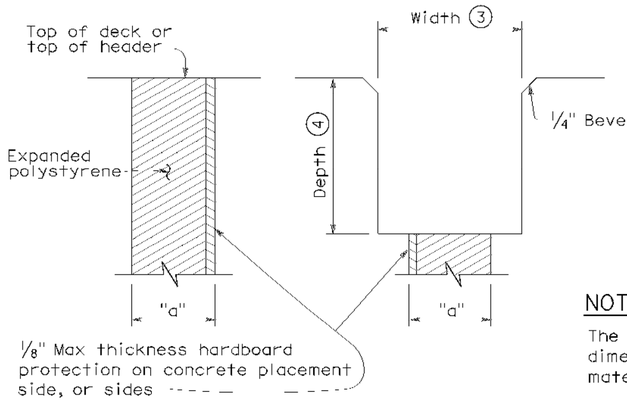
NOTE:

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

CONCRETE BARRIER AND SIDEWALK



CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

DIST	COUNTY	ROUTE	POST MILLS TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sha Sis,Tri	3,36, 299	Var	9	17

REGISTERED CIVIL ENGINEER

Efthymios Delis
No. C51434
Exp. 6-30-08
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

October 5, 2007
PLANS APPROVAL DATE

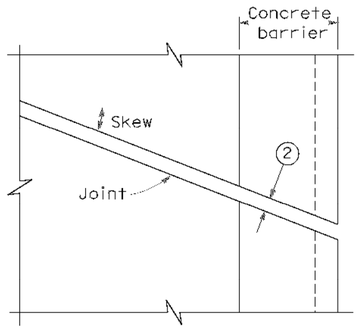
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 01-21-11

NOTE:

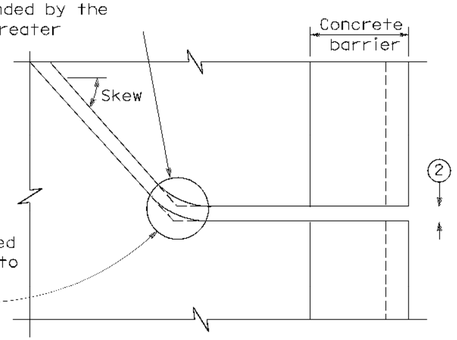
The Contractor shall verify all controlling field dimensions before ordering or fabricatiing any material.

JOINT SEALS DETAILS



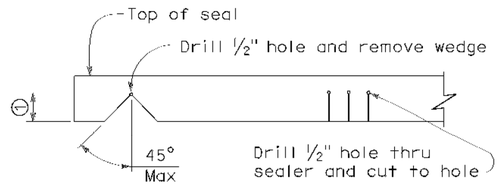
Min ℄ radius to be 4 times uncompressed width of seal or as recommended by the manufacturer, whichever is greater

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



PLAN OF JOINT (SKEW ≤ 20°)

PLAN OF JOINT (SKEW > 20°)



DETAIL A

NOTES:

(1) Make smooth cuts from the bottom of seal to 1½" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.

(2) Opening in barrier to match width of sawn deck joint.

(3) Sawcut groove widths shall be as ordered by the Engineer.

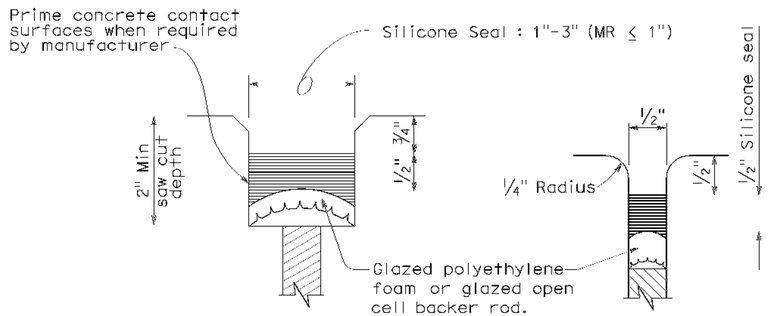
(4) Depth of sawcut: Type A - Depth to be 2" minimum.
Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (W_2) plus dimensions shown.

(5) MR (movement rating) as shown on other plan sheets.

(6) Other depths must be approved by the Engineer.

DIMENSIONS "a" OF JOINT REQUIRED

Movement Rating (MR) (5)	Bridge Type	"a" Dimension, Deck Concrete Placed		
		Winter	Fall-Spring	Summer
2"	All except CIP/PS	1½"	1¼"	¾"
	CIP/PS	1¼"	1"	½"
1½"	All except CIP/PS	1¼"	1"	½"
	CIP/PS	1"	¾"	½"
1"	All except CIP/PS	1"	¾"	½"
	CIP/PS	¾"	½"	½"
½"	All except CIP/PS	¾"	¾"	½"
	CIP/PS	½"	½"	½"

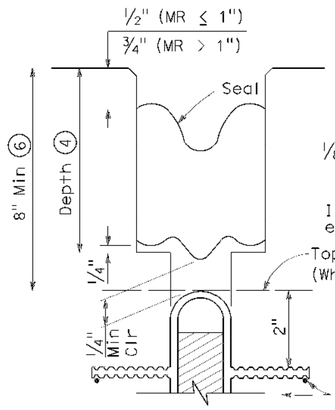


TYPE A SEAL

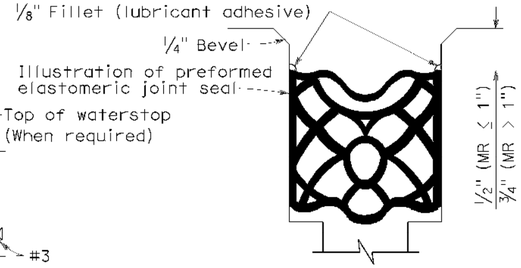
Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W_2)



TYPE B SEAL

Movement Rating ≤ 2"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

NO SCALE

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

REVISED STANDARD PLAN RSP B6-21

2006 REVISED STANDARD PLAN RSP B6-21

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5 8 07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	SHA,SIS, TRI	3,36,299	VAR	10	17

Arlene Frank 1-18-11
REGISTERED CIVIL ENGINEER DATE

January 21, 2011
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 — ARLENE FRANK No. C 55562 Exp. 12-31-12 CIVIL — STATE OF CALIFORNIA

NOTES: (APPLY TO THIS SHEET ONLY)

----------- Indicates existing.

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

Indicates limits of clean concrete bridge deck surface and treat with high molecular weight methacylate deck treatment. Prior to treat bridge deck, remove unsound concrete and patch with rapid setting concrete as shown in "DECK REPAIR DETAIL".

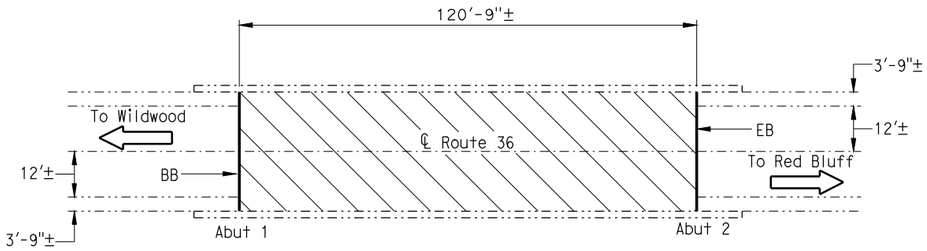
⟨1⟩ Indicates limits of remove existing ¾"± polyester concrete overlay, a ¾" sawcut on the perimeter. Prepare bridge deck and patch with polyester concrete.

◯ See cover sheet

INDEX TO PLANS

STANDARD PLANS DATED MAY 2006

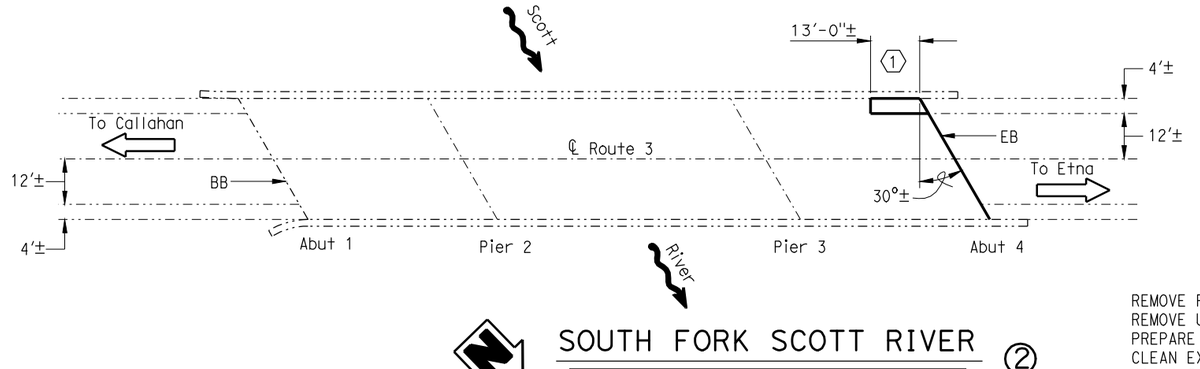
SHEET NO.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
RSP B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")



MIDDLE FORK COTTONWOOD CREEK ①

Br No. 06-0209, SHA, Route 36, PM 7.58
1"=20'

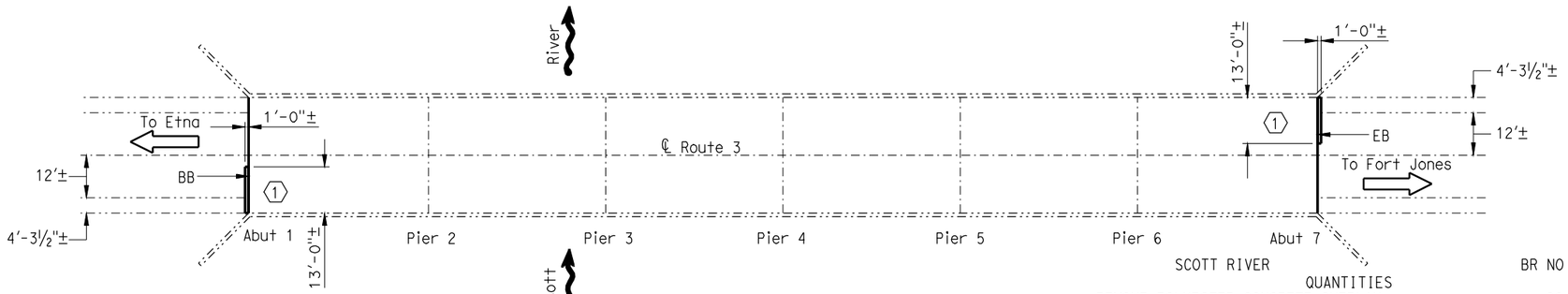
MIDDLE FORK COTTONWOOD CREEK QUANTITIES	BR NO 06-0209	
REMOVE UNSOUND CONCRETE	10	CF
CLEAN BRIDGE DECK	3,800	SQFT
CLEAN EXPANSION JOINT	64	LF
RAPID SETTING CONCRETE (PATCH)	10	CF
JOINT SEAL (MR 1")	64	LF
TREAT BRIDGE DECK	3,800	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	42	GAL



SOUTH FORK SCOTT RIVER ②

Br No. 02-0165, SIS, Route 3, PM 8.89
1"=20'

SOUTH FORK SCOTT RIVER QUANTITIES	BR NO 02-0165	
REMOVE POLYESTER CONCRETE OVERLAY	52	SQFT
REMOVE UNSOUND CONCRETE	7	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	52	SQFT
CLEAN EXPANSION JOINT	38	LF
RAPID SETTING CONCRETE (PATCH)	7	CF
POLYESTER CONCRETE (PATCH)	4	CF
JOINT SEAL (MR 1 1/2")	38	LF



SCOTT RIVER ③

Br No. 02-0057, SIS, Route 3, PM 31.68
1"=20'

SCOTT RIVER QUANTITIES	BR NO 02-0057	
REMOVE POLYESTER CONCRETE OVERLAY	26	SQFT
REMOVE UNSOUND CONCRETE	13	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	26	SQFT
CLEAN EXPANSION JOINT	72	LF
POLYESTER CONCRETE (PATCH)	2	CF
RAPID SETTING CONCRETE (PATCH)	13	CF
JOINT SEAL (MR 1 1/2")	36	LF
JOINT SEAL (MR 2")	36	LF

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

Matthew Lee 1-18-11
DESIGN ENGINEER

DESIGN	BY A. Frank	CHECKED H.Kuntz	LAYOUT	BY N. Kelley	CHECKED A. Frank
DETAILS	BY N. Kelley	CHECKED H.Kuntz	SPECIFICATIONS	BY Mary Kopsa	PLANS AND SPECIFICATIONS COMPARED Mary Kopsa
QUANTITIES	BY A. Frank	CHECKED H.Kuntz			

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 02
EA 2E3301

BRIDGE NO. Varies
POST MILE Various

ROUTE 3,36 & 299 BRIDGES
GENERAL PLAN NO. 1

DISREGARD PRINTS BEARING EARLIER REVISION DATES →
REVISION DATES: 12-15-10 | 1-11-11 | 1-26-11 | 1-27-11

SHEET 1 OF 8

FILE => 02_2e3301_ggp.dgn

USERNAME => NKelley DATE PLOTTED => 27-JAN-2011 TIME PLOTTED => 14:19

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	SHA,SIS, TRI	3,36,299	VAR	11	17

Arlene Frank 1-18-11
REGISTERED CIVIL ENGINEER DATE

January 21, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ARLENE FRANK — No. C 55562 — Exp. 12-31-12 — CIVIL — STATE OF CALIFORNIA

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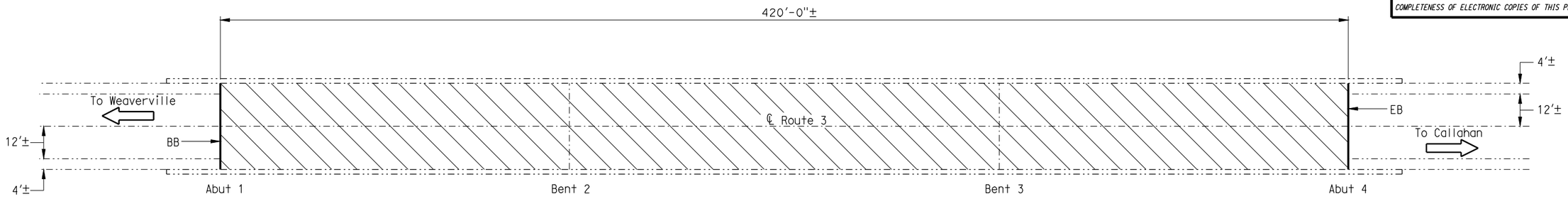


DIENER MINE SIDEHILL VIADUCT ④

Br No. 05-0078, TRI, Route 3, PM 49.71
1"=20'

DIENER MINE SIDEHILL VIADUCT QUANTITIES	BR NO 05-0078
REMOVE UNSOUND CONCRETE	34 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	13,440 SQFT
BRIDGE REMOVAL (PORTION)	LUMP SUM
STRUCTURAL CONCRETE, BRIDGE	5 CY
RAPID SETTING CONCRETE (PATCH)	34 CF
FURNISH POLYESTER CONCRETE OVERLAY	1,344 CF
PLACE POLYESTER CONCRETE OVERLAY	13,440 SQFT
JOINT SEAL (MR 2")	64 LF

NOTES: (APPLY TO THIS SHEET ONLY)

-·-·-·- Indicates existing.

——— Indicates location of existing joint seal removal and placement of new joint seal. For details see "JOINT SEAL DETAILS NO. 2 sheet.

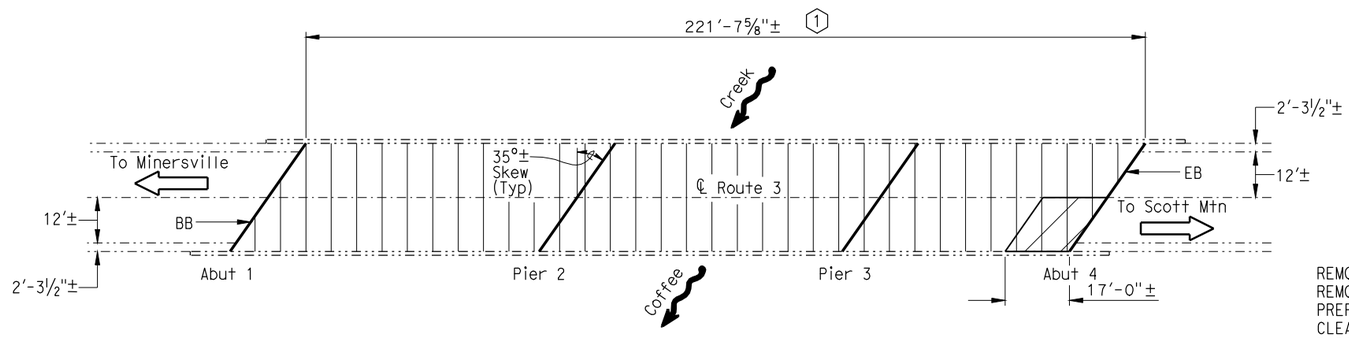
Indicates limits of blast clean exterior and interior steel girders and intermediate diaphragm (graffiti paint} and paint undercoat.

Indicates limits of prepare concrete bridge deck surface, furnish and place new 1" minimum and varying depth polyester concrete overlay. Prior to placing new polyester concrete overlay remove unsound concrete and patch with rapid setting concrete as shown in "DECK REPAIR DETAIL-OVERLAY".

Limits of remove 4½"± minimum depth of AC overlay and waterproof membrane seal. Prepare concrete bridge deck surface, furnish and place new 1" minimum and varying depth polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete as shown in "DECK REPAIR DETAIL-OVERLAY".

(1) Clean and paint existing structural steel. Blast clean surface of all bottom girder flange and all end diaphragms and paint undercoat, except where otherwise noted.

◯ Location, see cover sheet.



COFFEE CREEK ⑤

Br No. 05-0060, TRI, Route 3, PM 67.7
1"=20'

COFFEE CREEK QUANTITIES	BR NO 05-0060
REMOVE ASPHALT CONCRETE SURFACING	6,334 SQFT
REMOVE UNSOUND CONCRETE	48 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	6,334 SQFT
CLEAN EXPANSION JOINT	140 LF
RAPID SETTING CONCRETE (PATCH)	48 CF
FURNISH POLYESTER CONCRETE OVERLAY	633 CF
PLACE POLYESTER CONCRETE OVERLAY	6,334 SQFT
JOINT SEAL (MR 1")	140 LF
CLEAN STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
SPOT BLAST CLEAN AND PAINT UNDERCOAT	3,640 SQFT
WORK AREA MONITORING	LUMP SUM

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

Martha Welch 1-18-11
DESIGN ENGINEER

	BY	CHECKED
DESIGN	A. Frank	H.Kuntz
DETAILS	N. Kelley	H.Kuntz
QUANTITIES	A. Frank	H.Kuntz
LAYOUT	N. Kelley	A. Frank
SPECIFICATIONS	Mary Kopsa	Mary Kopsa

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 02
EA 2E3301

BRIDGE NO. Varies
POST MILE Various

ROUTE 3,36 & 299 BRIDGES
GENERAL PLAN NO. 2

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 → REVISION DATES: 12-15-10 | 1-11-11 | 1-20-11

SHEET 2 OF 8

FILE => 02_2e3301_bgp.dgn

USERNAME => NKelley DATE PLOTTED => 27-JAN-2011 TIME PLOTTED => 14:19

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	SHA,SIS, TRI	3,36,299	VAR	12	17

Arlene Frank — 1-18-11
REGISTERED CIVIL ENGINEER — DATE

January 21, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ARLENE FRANK — No. C 55562 — Exp. 12-31-12 — CIVIL — STATE OF CALIFORNIA

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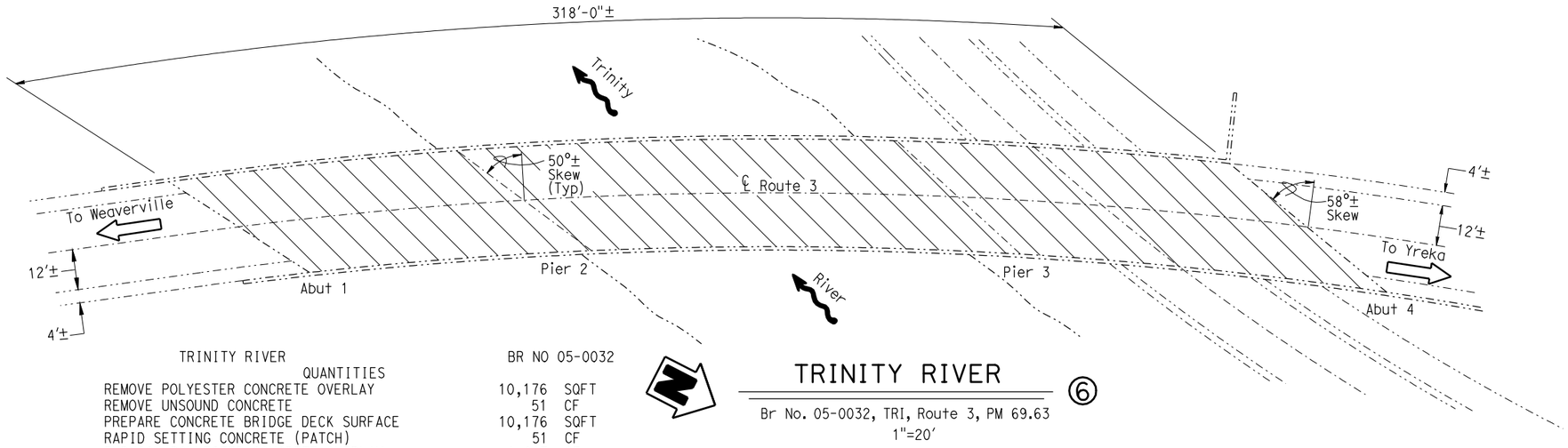


TRINITY RIVER — BR NO 05-0032

QUANTITIES		
REMOVE POLYESTER CONCRETE OVERLAY	10,176	SQFT
REMOVE UNSOUND CONCRETE	51	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	10,176	SQFT
RAPID SETTING CONCRETE (PATCH)	51	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,017	CF
PLACE POLYESTER CONCRETE OVERLAY	10,176	SQFT

TRINITY RIVER ⑥

Br No. 05-0032, TRI, Route 3, PM 69.63
1"=20'

NOTES: (APPLY TO THIS SHEET ONLY)

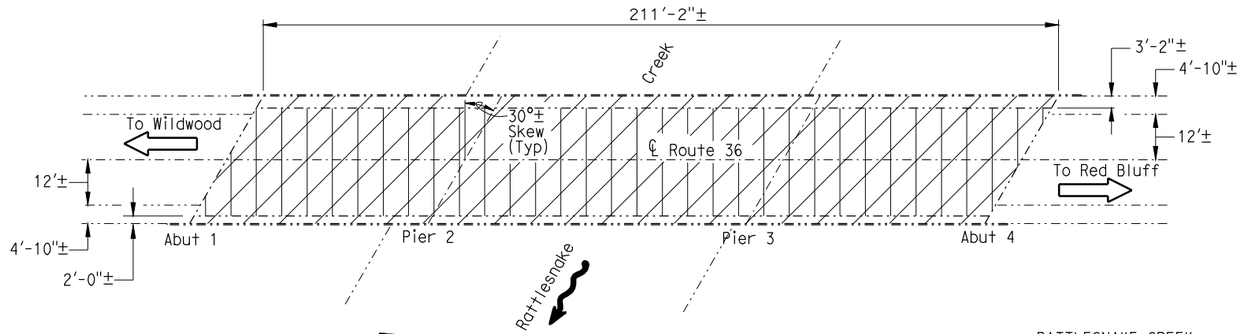
-·-·-·- Indicates existing.

Indicates limits of remove existing ⅜"± chip seal overlay. Existing steel angle header to remain.

Indicates limits of prepare concrete bridge deck and place 1" minimum and varying depth polyester concrete overlay. Prior to prepare bridge deck, remove unsound concrete and patch with rapid setting concrete as shown in "DECK REPAIR DETAIL-OVERLAY".

Indicates limits of remove existing ¾"± polyester concrete overlay. Prepare concrete bridge deck and place new 1" minimum and varying depth polyester concrete overlay. Prior to prepare bridge deck, remove unsound concrete and patch with rapid setting concrete as shown in "DECK REPAIR DETAIL-OVERLAY".

◯ Location, see cover sheet.



RATTLESNAKE CREEK ⑦

Br No. 05-0074, TRI, Route 36, PM R19.99
1"=20'

RATTLESNAKE CREEK — BR NO 05-0074

QUANTITIES		
REMOVE UNSOUND CONCRETE	53	CF
REMOVE CHIP SEAL	6,015	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	7,108	SQFT
RAPID SETTING CONCRETE (PATCH)	53	CF
FURNISH POLYESTER CONCRETE OVERLAY	711	CF
PLACE POLYESTER CONCRETE OVERLAY	7,108	SQFT

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

DESIGN ENGINEER 1-18-11	DESIGN	BY A. Frank	CHECKED H.Kuntz	LAYOUT	BY N. Kelley	CHECKED A. Frank	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies
	DETAILS	BY N. Kelley	CHECKED H.Kuntz	SPECIFICATIONS	BY Mary Kopsa	PLANS AND SPECIFICATIONS COMPARED Mary Kopsa			POST MILE Various
	QUANTITIES	BY A. Frank	CHECKED H.Kuntz						

ROUTE 3,36 & 299 BRIDGES
GENERAL PLAN NO. 3

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 02
EA 2E3301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES									SHEET	OF
12-15-10	1-11-11	1-26-11	1-27-11						3	8

FILE => 02_2e3301_cgp.dgn

USERNAME => NKelley DATE PLOTTED => 27-JAN-2011 TIME PLOTTED => 14:19

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	SHA,SIS, TRI	3,36,299	VAR	13	17

Arlene Frank 1-18-11
REGISTERED CIVIL ENGINEER DATE

January 21, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ARLENE FRANK — No. C 55562 — Exp. 12-31-12 — CIVIL — STATE OF CALIFORNIA

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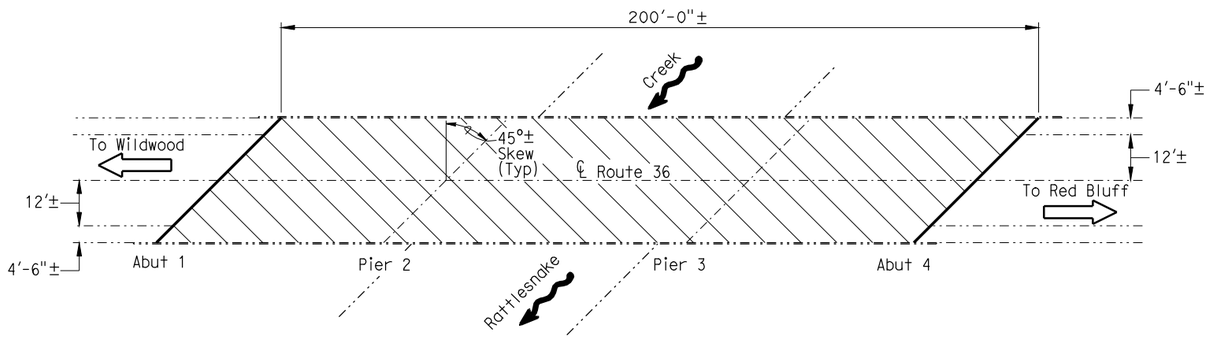


LOWER RATTLESNAKE CREEK — BR NO 05-0072

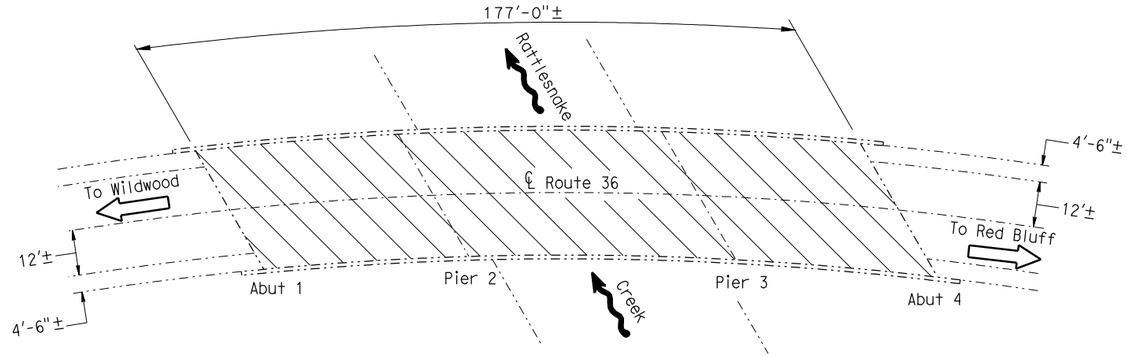
QUANTITIES		
REMOVE ASPHALT CONCRETE SURFACING	6,600	SQFT
REMOVE UNSOUND CONCRETE	50	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	6,600	SQFT
CLEAN EXPANSION JOINT	95	LF
RAPID SETTING CONCRETE (PATCH)	50	CF
FURNISH POLYESTER CONCRETE OVERLAY	660	CF
PLACE POLYESTER CONCRETE OVERLAY	6,600	SQFT
JOINT SEAL (MR 1")	95	LF

LOWER RATTLESNAKE CREEK ⑨

Br No. 05-0072, TRI, Route 36, PM R21.01
1"=20'

NOTES: (APPLY TO THIS SHEET ONLY)

- -·-·-·- Indicates existing.
- ——— Indicates location of existing joint seal removal and placement of new joint seal.
- ▨ Indicates limits of remove existing 3"± AC overlay and waterproof membrane seal. Prepare concrete bridge deck and place new 1" minimum and varying depth of polyester concrete overlay. Prior to prepare bridge deck, remove unsound concrete and patch with rapid setting concrete, as shown in "DECK REPAIR DETAIL-OVERLAY".
- ◯ Location, see cover sheet.



RATTLESNAKE CREEK ⑧

Br No. 05-0075, TRI, Route 36, PM R20.05
1"=20'

RATTLESNAKE CREEK — BR NO 05-0075

QUANTITIES		
REMOVE ASPHALT CONCRETE SURFACING	5,970	SQFT
REMOVE UNSOUND CONCRETE	45	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	5,970	SQFT
RAPID SETTING CONCRETE (PATCH)	45	CF
FURNISH POLYESTER CONCRETE OVERLAY	597	CF
PLACE POLYESTER CONCRETE OVERLAY	5,970	SQFT

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

Matthew Kuntz 1-18-11 DESIGN ENGINEER	DESIGN	BY A. Frank	CHECKED H.Kuntz	LAYOUT	BY N. Kelley	CHECKED A. Frank	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
	DETAILS	BY N. Kelley	CHECKED H.Kuntz					
	QUANTITIES	BY A. Frank	CHECKED H.Kuntz	SPECIFICATIONS	BY Mary Kopsa	PLANS AND SPECIFICATIONS COMPARED Mary Kopsa		

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 02
EA 2E3301

FILE => 02_2e3301_dgp.dgn

BRIDGE NO.	ROUTE 3,36 & 299 BRIDGES
POST MILE Various	GENERAL PLAN NO. 4

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES								SHEET	OF
12-15-10	12-15-10	1-26-11	1-27-11					4	8

USERNAME => NKelley DATE PLOTTED => 27-JAN-2011 TIME PLOTTED => 14:19

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	SHA,SIS, TRI	3,36,299	VAR	14	17

Arlene Frank 1-18-11
REGISTERED CIVIL ENGINEER DATE

January 21, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ARLENE FRANK — No. C 55562 — Exp. 12-31-12 — CIVIL — STATE OF CALIFORNIA

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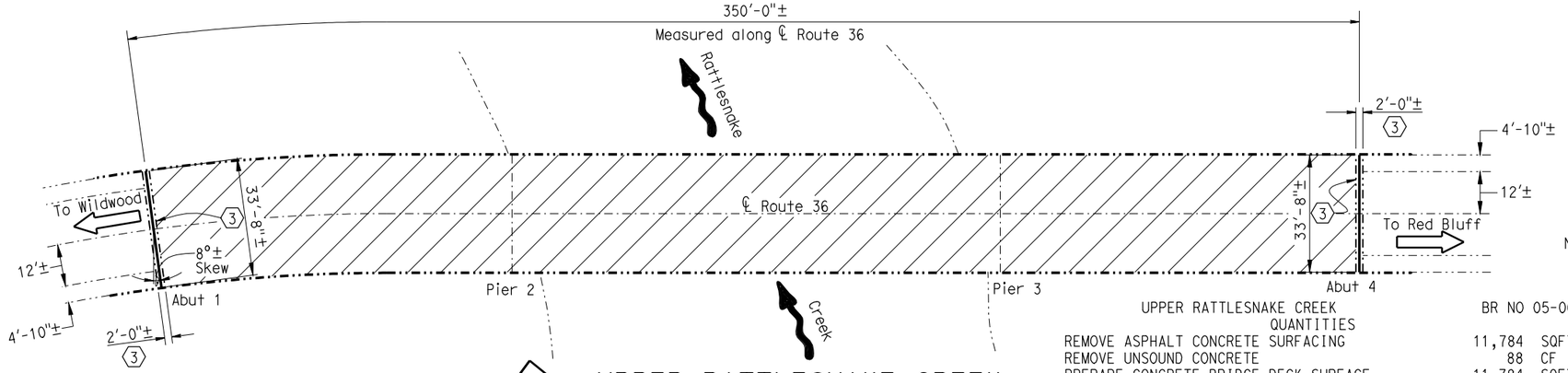
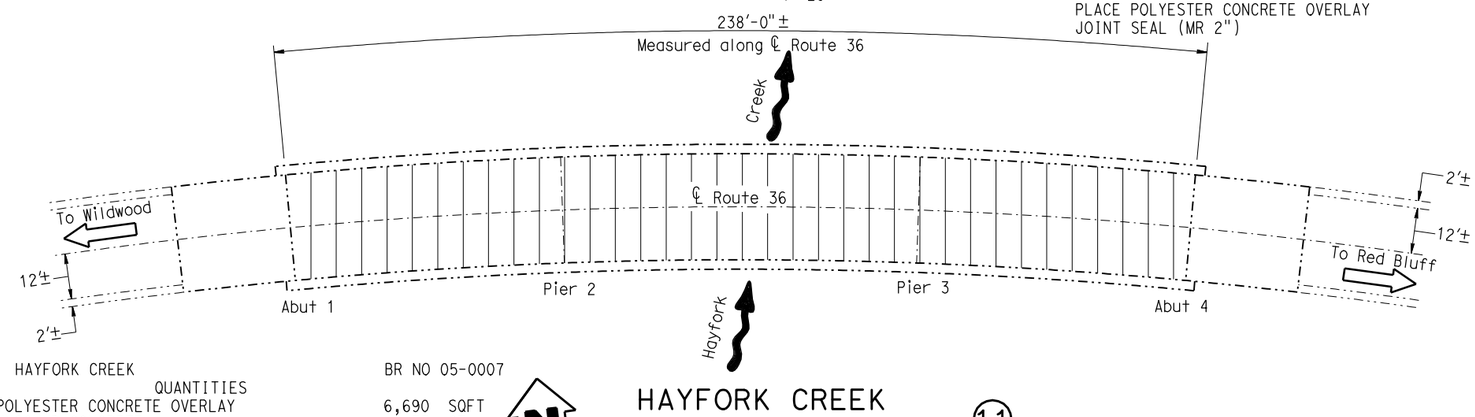


UPPER RATTLESNAKE CREEK (10)

Br No. 05-0073, TRI, Route 36, PM R20.42
1"=20'

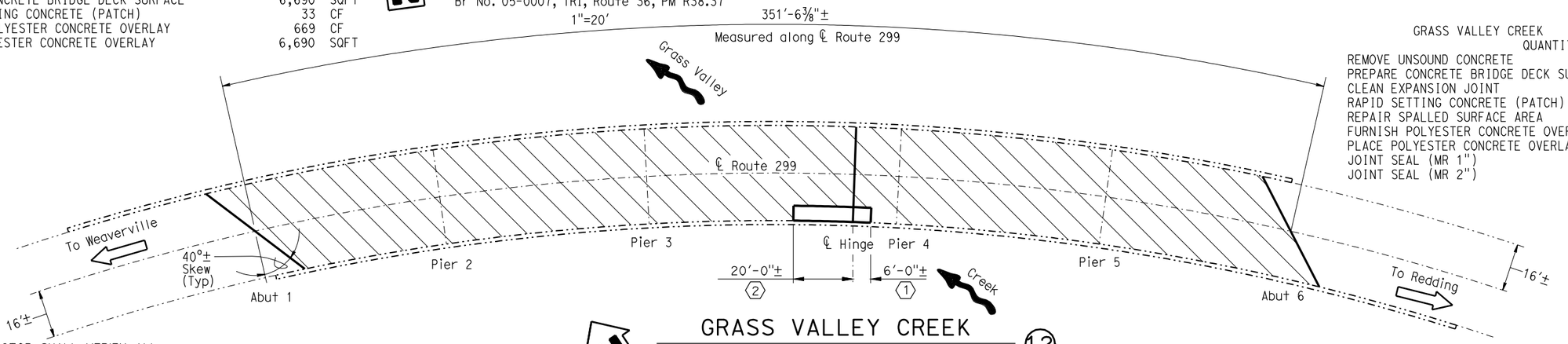
UPPER RATTLESNAKE CREEK QUANTITIES	BR NO 05-0073	
REMOVE ASPHALT CONCRETE SURFACING	11,784	SQFT
REMOVE UNSOUND CONCRETE	88	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	11,784	SQFT
BRIDGE REMOVAL (PORTION)	LUMP	SUM
CLEAN EXPANSION JOINT	68	LF
RAPID SETTING CONCRETE (PATCH)	88	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,179	CF
PLACE POLYESTER CONCRETE OVERLAY	11,784	SQFT
JOINT SEAL (MR 2")	68	LF



HAYFORK CREEK (11)

Br No. 05-0007, TRI, Route 36, PM R38.37
1"=20'

HAYFORK CREEK QUANTITIES	BR NO 05-0007	
REMOVE POLYESTER CONCRETE OVERLAY	6,690	SQFT
REMOVE UNSOUND CONCRETE	33	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	6,690	SQFT
RAPID SETTING CONCRETE (PATCH)	33	CF
FURNISH POLYESTER CONCRETE OVERLAY	669	CF
PLACE POLYESTER CONCRETE OVERLAY	6,690	SQFT



GRASS VALLEY CREEK (12)

Br No. 05-0013, TRI, Route 299, PM 65.45
1"=20'

GRASS VALLEY CREEK QUANTITIES	BR NO 05-0013	
REMOVE UNSOUND CONCRETE	28	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	11,249	SQFT
CLEAN EXPANSION JOINT	117	LF
RAPID SETTING CONCRETE (PATCH)	28	CF
REPAIR SPALLED SURFACE AREA	104	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	1,125	CF
PLACE POLYESTER CONCRETE OVERLAY	11,249	SQFT
JOINT SEAL (MR 1")	84	LF
JOINT SEAL (MR 2")	32	LF

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

NOTES: (APPLY TO THIS SHEET ONLY)

-·-·-·-·- Indicates existing.

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

Indicates limits of remove existing 3"± AC overlay and waterproof membrane seal. Prepare concrete bridge deck and place new 1" minimum and varying depth of polyester concrete overlay. Prior to prepare bridge deck, remove unsound concrete and patch with rapid setting concrete, as shown in "DECK REPAIR DETAIL-OVERLAY".

Indicates limits of prepare concrete bridge deck surface, furnish and place new 1" minimum and varying depth polyester concrete overlay. Prior to placing new polyester concrete overlay remove unsound concrete and patch with rapid setting concrete as shown in "DECK REPAIR DETAIL-OVERLAY".

Indicates limits of remove existing ¾"± polyester concrete overlay. Prepare concrete bridge deck and place new 1" minimum and varying depth polyester concrete overlay. Prior to prepare bridge deck, remove unsound concrete and patch with rapid setting concrete, as shown in "DECK REPAIR DETAIL-OVERLAY".

(1)(2) Limits of existing soffit patch. Identify unsound concrete remove unsound concrete and repair spalled surface area.

(3) Indicates limits of remove existing 3"± depth of concrete header and reinforcing steel bars. Existing dowels shall be removed a depth of 1" below existing concrete deck.

◯ Location, see cover sheet.

Matthew McKee 1-18-11 DESIGN ENGINEER	DESIGN	BY A. Frank	CHECKED H.Kuntz	LAYOUT	BY N. Kelley	CHECKED A. Frank	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies
	DETAILS	BY N. Kelley	CHECKED H.Kuntz						POST MILE Various
	QUANTITIES	BY A. Frank	CHECKED H.Kuntz	SPECIFICATIONS	BY Mary Kopsa	PLANS AND SPECIFICATIONS COMPARED Mary Kopsa			

ROUTE 3,36 & 299 BRIDGES
GENERAL PLAN NO. 5

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 02
EA 2E3301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES								SHEET	OF
12-15-10	1-11-11	1-20-11						5	8

FILE => 02_2e3301_egp.dgn

USERNAME => NKelley DATE PLOTTED => 27-JAN-2011 TIME PLOTTED => 14:20

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	SHA,SIS, TRI	3,36,299	VAR	15	17

Arlene Frank 1-18-11
REGISTERED CIVIL ENGINEER DATE

January 21, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ARLENE FRANK — No. C 55562 — Exp. 12-31-12 — CIVIL — STATE OF CALIFORNIA

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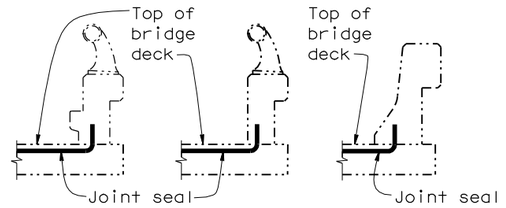
NOTES: (APPLY TO THIS SHEET ONLY)
-·-·-·-·- Indicates existing.

The following notes apply to JOINT SEAL TYPE B:

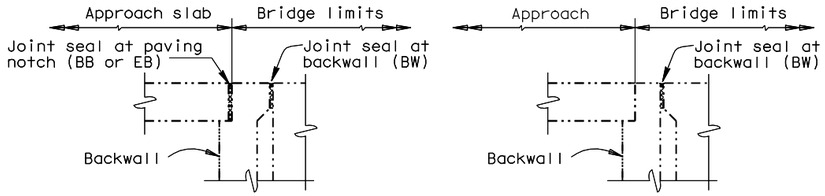
1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.
3) W1 shall be the smaller of the values determined 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 RSP B6-21



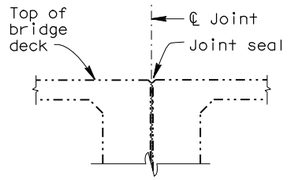
BARRIER RAIL

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.



ABUTMENT WITH BACKWALL



BENT

JOINT SEAL LOCATION

JOINT SEAL TABLE

(ALL JOINT SEALS TO BE TYPE B)

BRIDGE NUMBER	BRIDGE NAME	LOCATION		MINIMUM "MR" (in)	APPROXIMATE LENGTH (ft)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (in)
02-0057	Scott River	Abut 1	BW	2	36.1	No	40
		Abut 7	BW	1½	36.1	No	40
02-0165	South Fork Scott River	Abut 4	BW	1½	36.3	No	58.25
05-0060	Coffee Creek	Abut 1	BW	1	34.9	Yes	10.25
		Pier 2	EJ	1	34.9	Yes	10.25
		Pier 3	EJ	1	34.9	Yes	10.25
		Abut 4	BW	1	34.9	Yes	10.25
05-0013	Grass Valley Creek	Abut 1	BW	1	41.8	Yes	6
		Span 3	H	2	32.0	Yes	6
		Abut 6	BW	1	41.8	Yes	6
05-0072	Lower Rattlesnake Creek	Abut 1	BW	1	46.7	Yes	3.5
		Abut 4	BW	1	46.7	Yes	3.5
05-0073	Upper Rattlesnake Creek	Abut 1	BW	2	33.7	No	96
		Abut 4	BW	2	33.7	No	96
06-0209	Middle Fork Cottonwood Creek	Abut 1	BW	1	31.5	Yes	9
		Abut 2	BW	1	31.5	Yes	9
05-0078	Diener Mine Sidehill Viaduct	Abut 1	BW	2	32	No	———
		Abut 4	BW	2	32	No	———

DECK REPAIR TABLE

REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)

BRIDGE NUMBER	BRIDGE NAME	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)	UNSOUND CONCRETE (CF)	RAPID SET PATCH (CF)
02-0057	Scott River	0.5	3	13.0	13.0
02-0165	South Fork Scott River	0.5	3	7.2	7.2
05-0032	Trinity River	2.0	3	50.9	50.9
05-0060	Coffee Creek	3.0	3	47.5	47.5
05-0078	Diener Mine Sidehill Viaduct	1.0	3	33.6	33.6
05-0013	Grass Valley Creek	1.0	3	27.8	27.8
05-0074	Rattlesnake Creek	3.0	3	52.0	52.0
05-0075	Rattlesnake Creek	3.0	3	44.8	44.8
05-0072	Lower Rattlesnake Creek	3.0	3	49.5	49.5
05-0073	Upper Rattlesnake Creek	3.0	3	88.4	88.4
05-0007	Hayfork Creek	2.0	3	33.3	33.3
06-0209	Middle Fork Cottonwood Creek	1.0	3	9.5	9.5

LEGEND:
BW - Backwall
EJ - Expansion Joint
H - Hinge

NO SCALE

	BY	CHECKED
DESIGN	A. Frank	H. Kuntz
DETAILS	N. Kelley	H. Kuntz
QUANTITIES	A. Frank	H. Kuntz

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 02
EA 2E3301

BRIDGE NO. Varies
POST MILE Various

ROUTE 3,36 & 299 BRIDGES
JOINT SEAL DETAILS NO. 1

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 →

REVISION DATES: 12-15-10 | 1-11-11 | 1-26-11 | 1-27-11

SHEET 6 OF 8

FILE => 02_2e3301_fjs_det1.dgn

USERNAME => NKelley DATE PLOTTED => 27-JAN-2011 TIME PLOTTED => 14:20

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	SHA,SIS, TRI	3,36,299	VAR	16	17

Arlene Frank 1-18-11
REGISTERED CIVIL ENGINEER DATE

January 21, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — ARLENE FRANK — No. C 55562 — Exp. 12-31-12 — CIVIL — STATE OF CALIFORNIA

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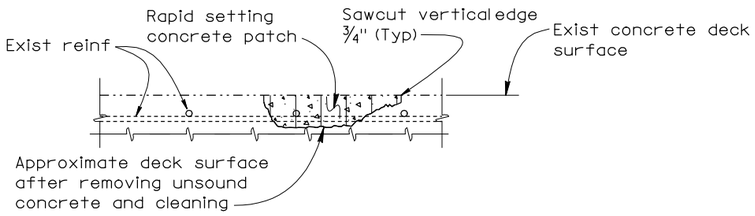
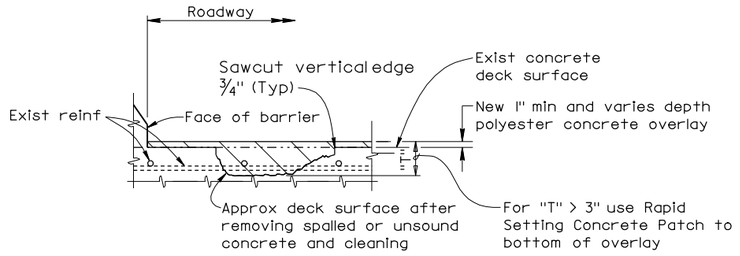


DECK REPAIR DETAIL

Note: Reinforcement may be encountered during deck concrete removal.



DECK REPAIR DETAIL-OVERLAY

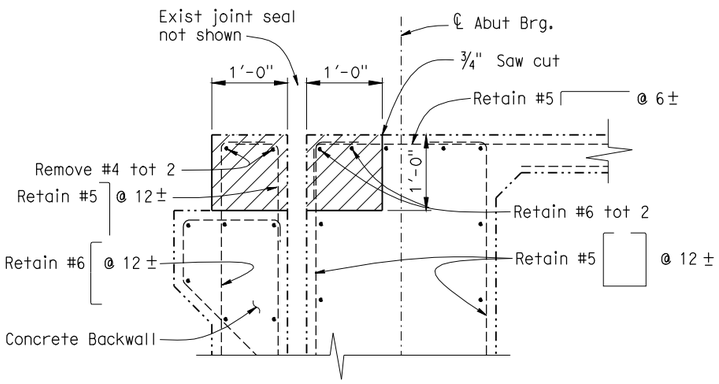
Note: Reinforcement may be encountered during deck concrete removal.

NOTES: (APPLY TO THIS SHEET ONLY)

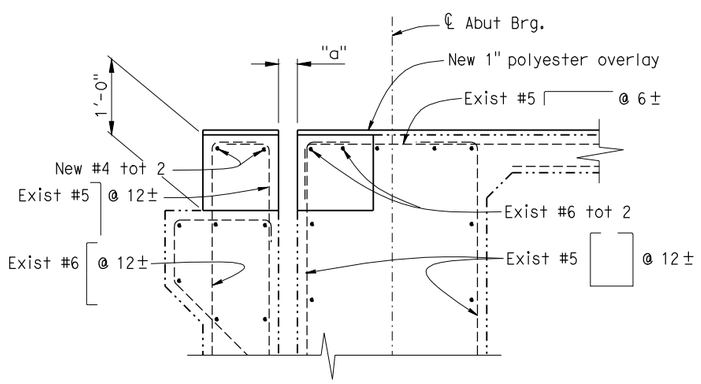
–·–·–·– Indicates existing.

Indicates limits of remove existing concrete. Retain existing reinforcement steel (except where noted otherwise).

"a" Reconstructed gap width as determined by the Engineer.



EXISTING



RECONSTRUCTION

DIENER MINE SIDEHILL VIADUCT

1"=1'-0"

GENERAL NOTES
LOAD FACTOR DESIGN

DESIGN:	BRIDGE DESIGN SPECIFICATIONS (1996 AASHTO with Interims and Revisions by CALTRANS)
DEAD LOAD:	Includes 35 psf for future wearing surface.
LIVE LOADING:	HS20-44 and alternative and permit design load.
REINFORCED CONCRETE:	fy = 60,000 psi f'c = 3600 psi n = 8

TEMPORARY DECK PLATE LOAD CRITERIA

MOMENT DEMAND/FOOT (kips-ft/ft)	BOLT SHEAR/FOOT (kips/ft)	BOLT TENSION (kips) / bolt
5.2	8.0	8.0

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

NO SCALE

DESIGN	BY A. Frank	CHECKED H. Kuntz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies
DETAILS	BY N. Kelley	CHECKED H. Kuntz			POST MILE Various
QUANTITIES	BY A. Frank	CHECKED H. Kuntz			

ROUTE 3,36 & 299 BRIDGES

JOINT SEAL DETAILS NO. 2

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 02
EA 2E3301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 12-15-10 | 1-11-11 | 1-20-11

SHEET 7 OF 8

FILE => 02_2e3301_gjs_det2.dgn

USERNAME => Nkelley DATE PLOTTED => 27-JAN-2011 TIME PLOTTED => 14:20

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	SHA,SIS, TRI	3,36,299	VAR	17	17

Arlene Frank 1-18-11
REGISTERED CIVIL ENGINEER DATE

January 21, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ARLENE FRANK
No. C 55562
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

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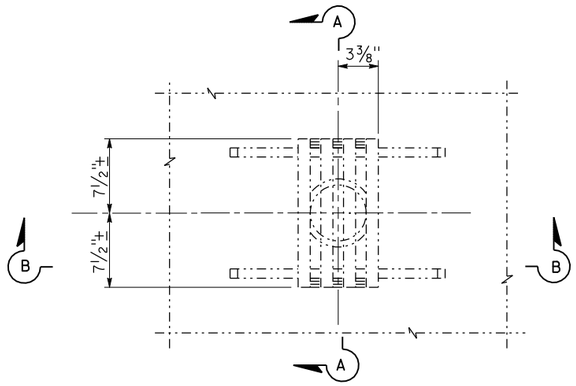
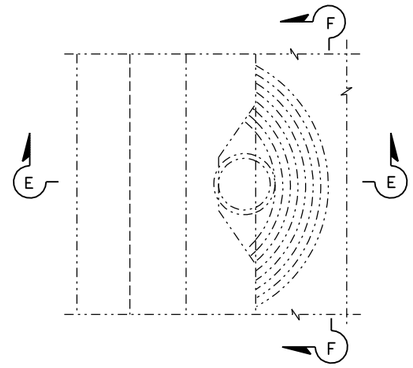
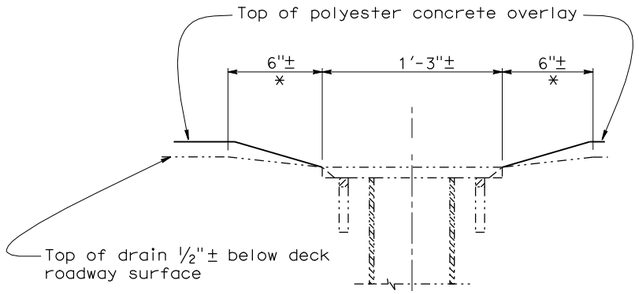
NOTES: (APPLY TO THIS SHEET ONLY)
-·-·-·-·- Indicates existing.



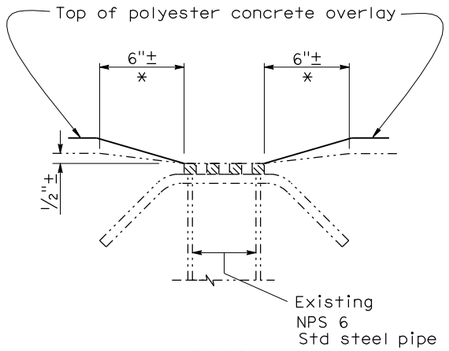
PLAN



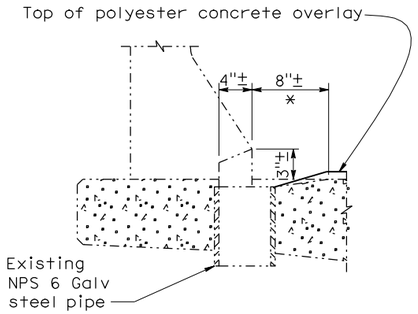
NOTE:
* Thickness of polyester concrete overlay shall be ½" min.



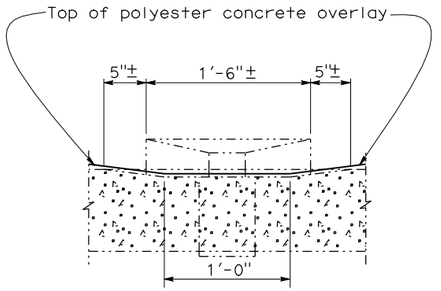
SECTION A-A



SECTION B-B



SECTION E-E



SECTION F-F

DECK DRAIN - POLYESTER CONCRETE OVERLAY

DESIGN	BY A. Frank	CHECKED H. Kuntz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies	ROUTE 3,36 & 299 BRIDGES	
DETAILS	BY N. Kelley	CHECKED H. Kuntz			POST MILE Various	DECK DRAIN DETAILS	
QUANTITIES	BY A. Frank	CHECKED H. Kuntz					

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 02
EA 2E3301

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES										SHEET	OF
1-21-11										8	8

FILE => 02_2e3301_hdrain_det.dgn

USERNAME => NKelley DATE PLOTTED => 27-JAN-2011 TIME PLOTTED => 14:20