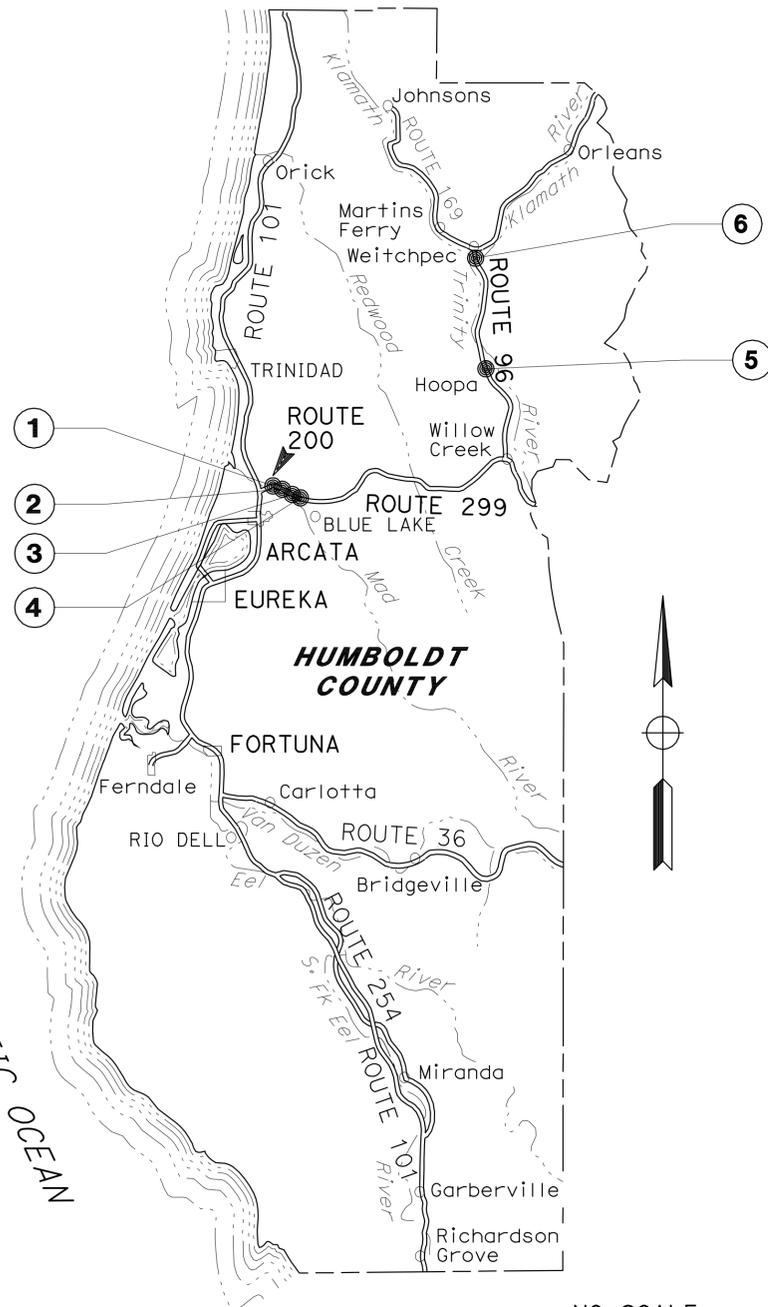
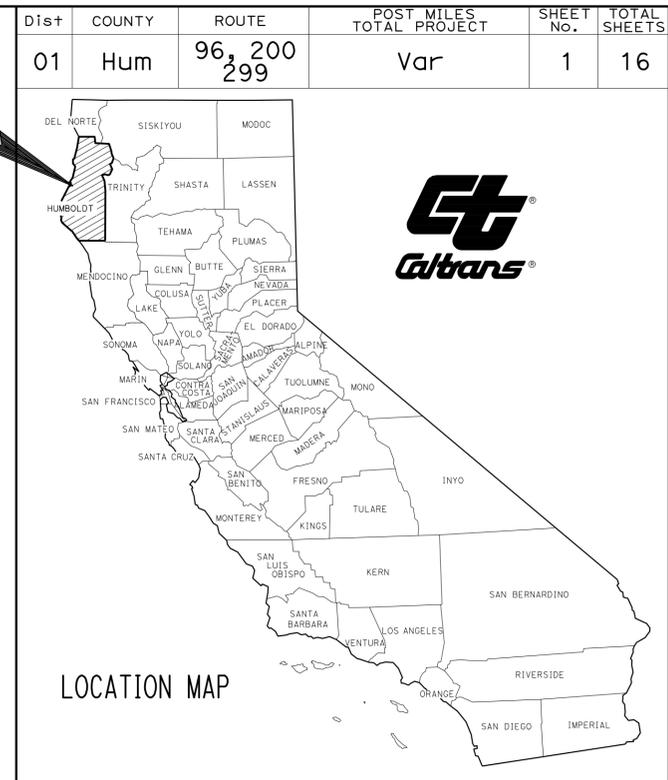


INDEX OF PLANS	
SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION DETAILS
3-4	CONSTRUCTION AREA SIGNS
5	SUMMARY OF QUANTITIES
6-10	NEW OR REVISED STANDARD PLANS
STRUCTURE PLANS	
11-14	GENERAL PLANS
15-16	JOINT DETAILS

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 HUMBOLDT COUNTY
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION					
LOCATION	COUNTY	ROUTE	PM	BRIDGE NAME	BRIDGE No.
1	Hum	299	R1.56	MAD RIVER	04-0036L
2	Hum	200	R2.66	ROUTE 200/299 SEPARTATION	04-0184
3	Hum	299	R3.50	LINDSAY CREEK	04-0187
4	Hum	299	R4.04	GLENDALE UC	04-0191
5	Hum	96	12.26	TRINITY RIVER	04-0137
6	Hum	96	22.95	KLAMATH RIVER	04-0144

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

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

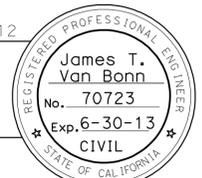
NO SCALE



USERNAME => s121671
 DGN FILE => 10a400ab001.dgn

UNIT 0052 PROJECT NUMBER & PHASE 01000202801

2/2/12
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
 February 6, 2012
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



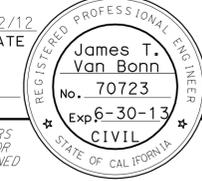
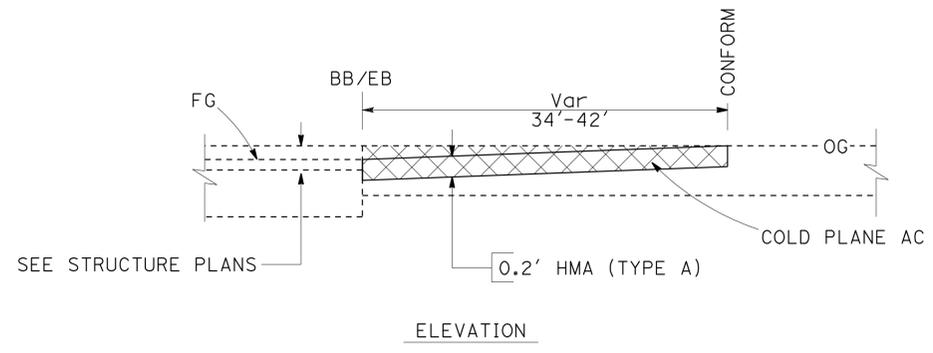
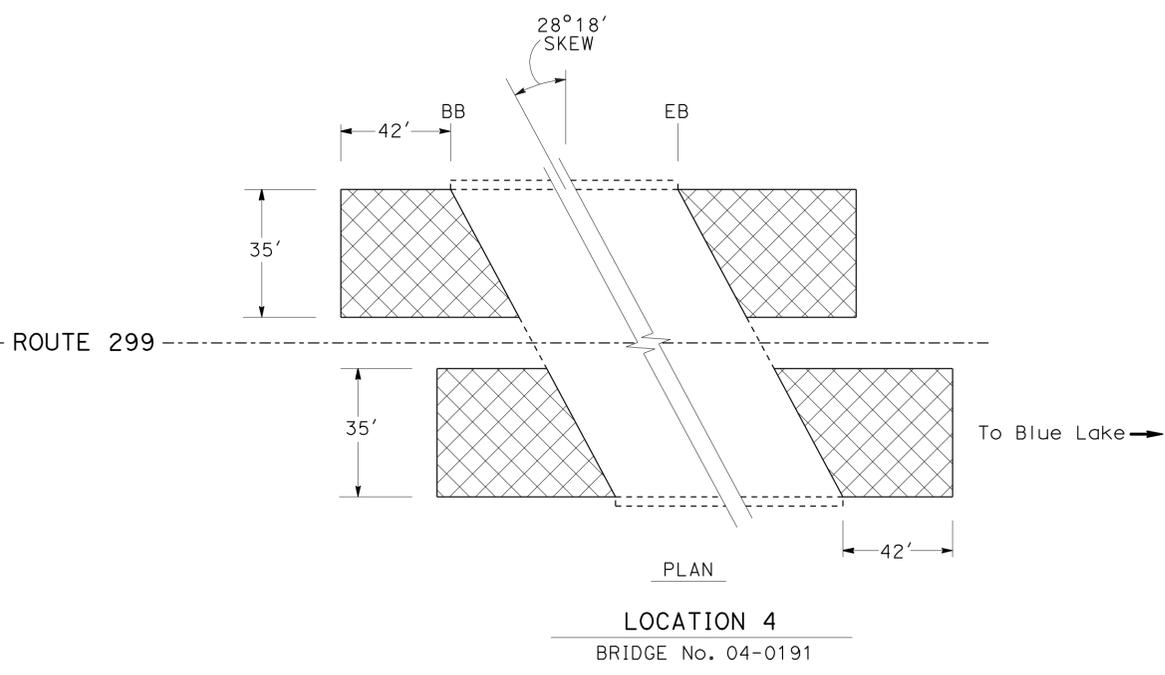
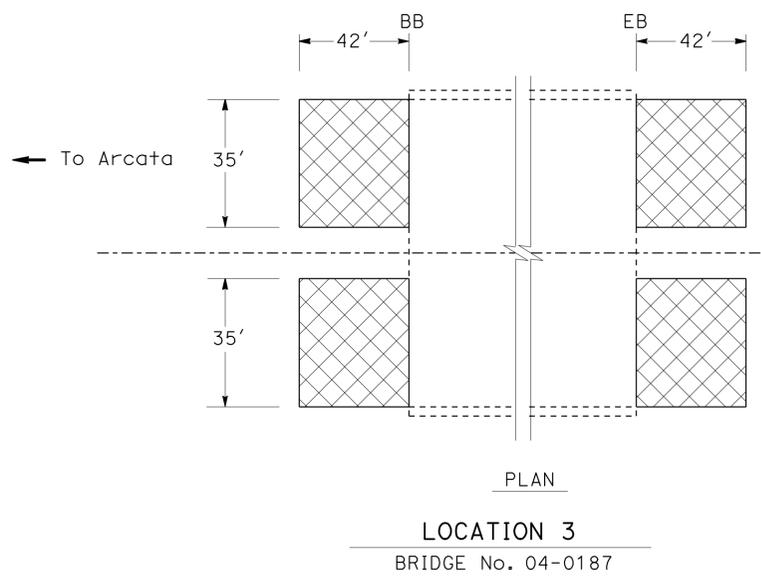
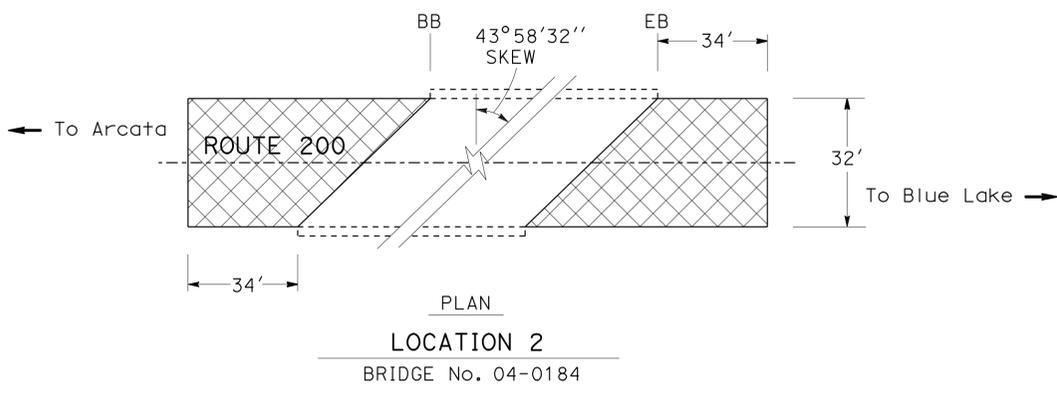
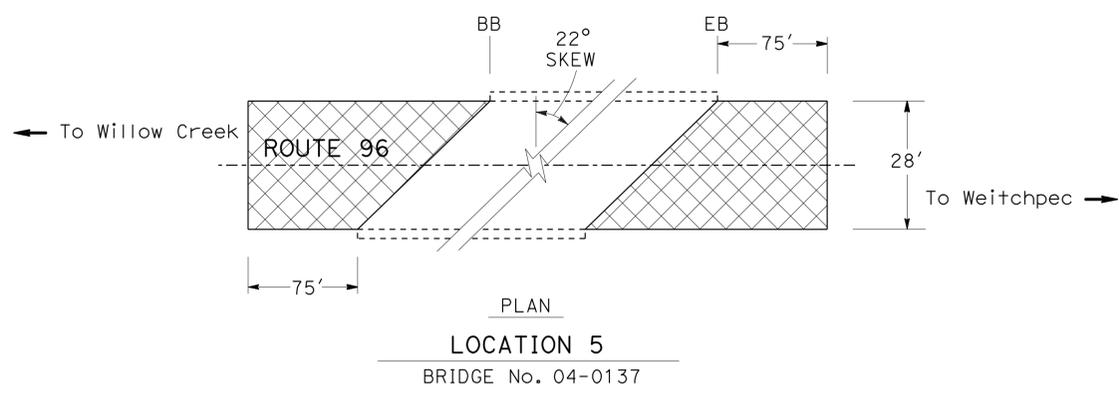
CONTRACT No.	01-0A4004
PROJECT ID	0100020280

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

LEGEND
 COLD PLANE AC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	96, 200 299	Var	2	16

James T. Van Bonn 2/2/12
 REGISTERED CIVIL ENGINEER DATE
 February 6, 2012
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

FUNCTIONAL SUPERVISOR: Royal B. McCarthy
 CHECKED BY: James T. Van Bonn
 DESIGNED BY: Johnathon Jackson
 REVISIONS: (None listed)

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 5 MILES	60"x36"	1-4"x6"	2
	C23A(CA)	BRIDGE REPAIR	54"x12"		
B	G20-2	END ROAD WORK	36"x18"	1-4"x4"	16
	W11-1	BICYCLE SYMBOL	36"x36"		
C	W16-1	SHARE THE ROAD	24"x30"	1-4"x6"	8
	W20-1	ROAD WORK AHEAD	48"x48"		
D	C23B(CA)	BRIDGE REPAIR	24"x36"	1-6"x6"	6
	W20-1	ROAD WORK AHEAD	36"x36"		
F	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONE	144"x60"	2-6"x8"	2
G	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONE	72"x36"	2-4"x6"	6

C23A(CA)
 54" x 12"
 6" CAPS
 BLACK/ORANGE

C23B(CA)
 24" x 36"
 6" CAPS
 BLACK/ORANGE



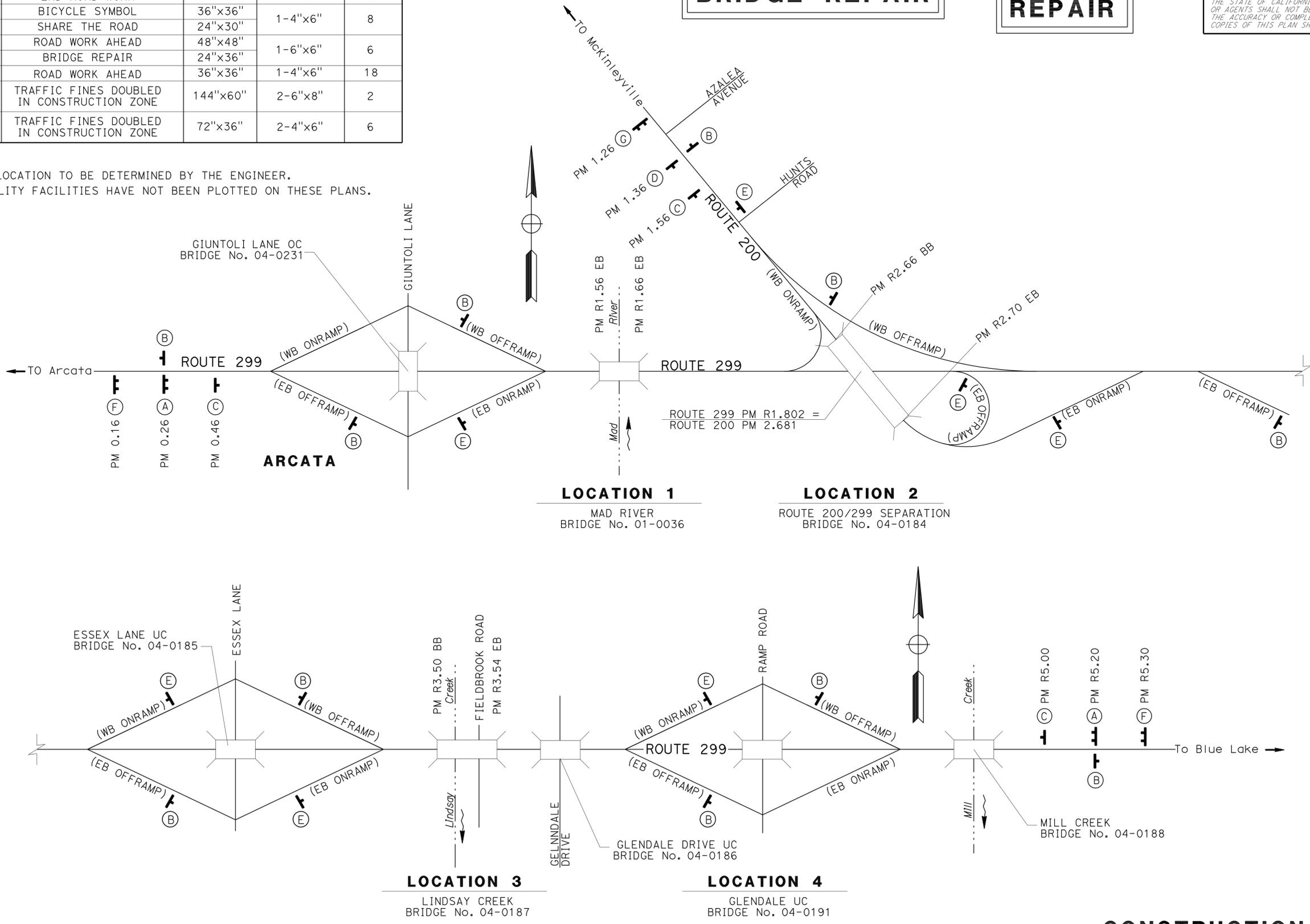
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	96, 200 299	Var	3	16

James T. Van Bonn
 REGISTERED CIVIL ENGINEER
 DATE: 2/2/12
 No. 70723
 Exp 6-30-13
 CIVIL

February 6, 2012
 PLANS APPROVAL DATE

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

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



**CONSTRUCTION AREA SIGNS
 CS-1**

FUNCTIONAL SUPERVISOR
 Royal B. McCarthy

CALCULATED-DESIGNED BY
 CHECKED BY

Johnathon Jackson
 James T. Van Bonn

REVISED BY
 DATE REVISED

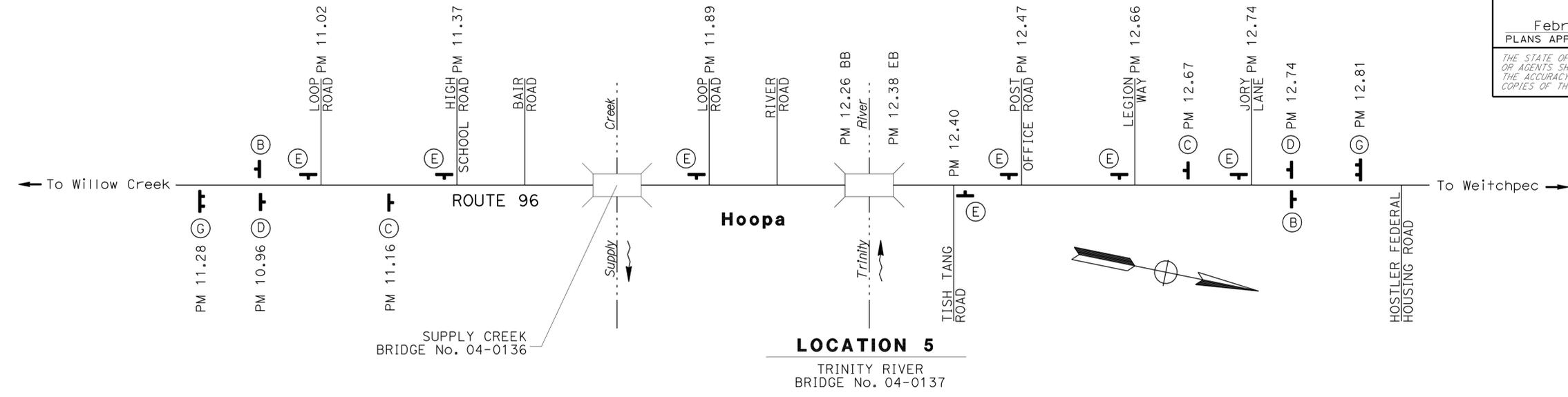
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	96, 200 299	Var	4	16

James T. Van Bonn 2/2/12
 REGISTERED CIVIL ENGINEER DATE

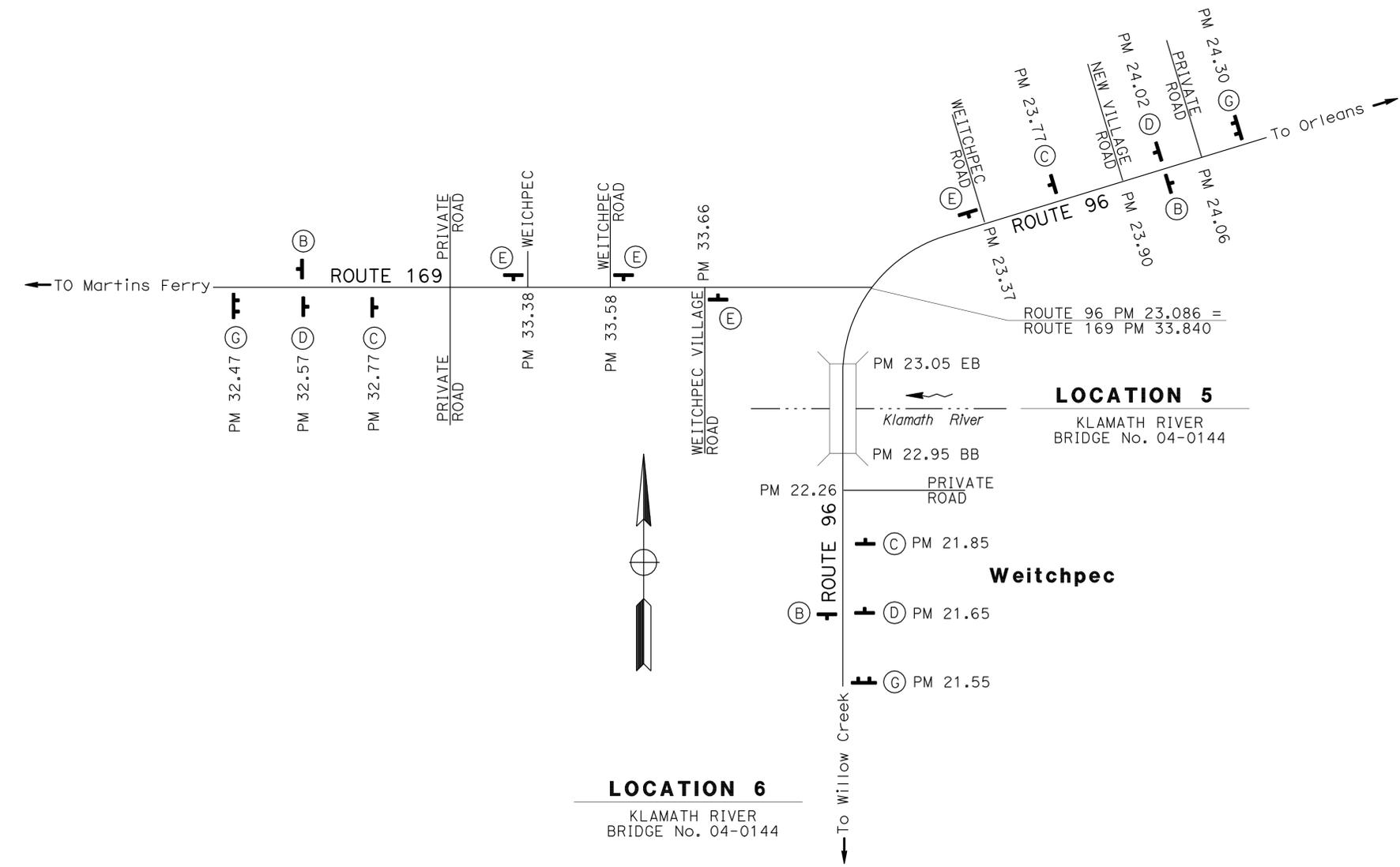
February 6, 2012
 PLANS APPROVAL DATE

James T. Van Bonn
 No. 70723
 Exp 6-30-13
 CIVIL

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



LOCATION 5
 TRINITY RIVER
 BRIDGE No. 04-0137



LOCATION 5
 KLAMATH RIVER
 BRIDGE No. 04-0144

LOCATION 6
 KLAMATH RIVER
 BRIDGE No. 04-0144

**CONSTRUCTION AREA SIGNS
 CS-2**

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	96, 200 299	Var	5	16

James T. Van Bonn 2/2/12
 REGISTERED CIVIL ENGINEER DATE
 February 6, 2012
 PLANS APPROVAL DATE

James T. Van Bonn
 No. 70723
 Exp 6-30-13
 CIVIL

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR
 Royal B. McCarthy
 CALCULATED/DESIGNED BY
 CHECKED BY
 Johnathon Jackson
 James T. Van Bonn
 REVISED BY
 DATE REVISED

ROADWAY QUANTITIES				
LOCATION			COLD PLANE AC PAVEMENT	HMA (TYPE A)
No.	BRIDGE #		SQYD	TON
2	04 0184	Abut 1	176	25
		Abut 5	176	25
3	04 0187	Abut 1	327	45
		Abut 6	327	45
4	04 0191	Abut 1	400	55
		Abut 4	400	55
5	04 0137	Abut 1	251	35
		Abut 5	251	35
TOTAL			2308	320

TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES															
LOCATION (PM)			DETAIL No.	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE					PAVEMENT MARKERS					
					REMOVE		4" SOLID YELLOW	4" SOLID WHITE	4" BROKEN (36-12) WHITE	(N) REMOVE	NON-REFLECTIVE	RETROREFLECTIVE			
					YELLOW	WHITE	LF	WHITE	WHITE		TYPE A	TYPE D	TYPE G	TYPE H	
No.	FROM	TO													
2	R2.66		27B 22	626 313			626	626		28		28			
3	R3.50	R3.54	27B 11/13	588 588				588	588	71	56		15		
			25 27B	588 482			588	482		15				15	
4	R4.04	R4.06	11/13 25	482 482			482	1570		61	48		13		
			27B 22	1570 785			482	1570		13				13	
5	12.26	12.38	27B 22	1570 785			1570	1000		68		68			
			27B 22	1000 500		1000	1000								
6	22.95	23.05	27B 22	1000 500		1000	1000			44		44			
						1000	1000								
SUBTOTAL					1000	1000	4266	4266				140	28	28	
TOTAL					2000	2000	8532	8532	1070	300	104		196		

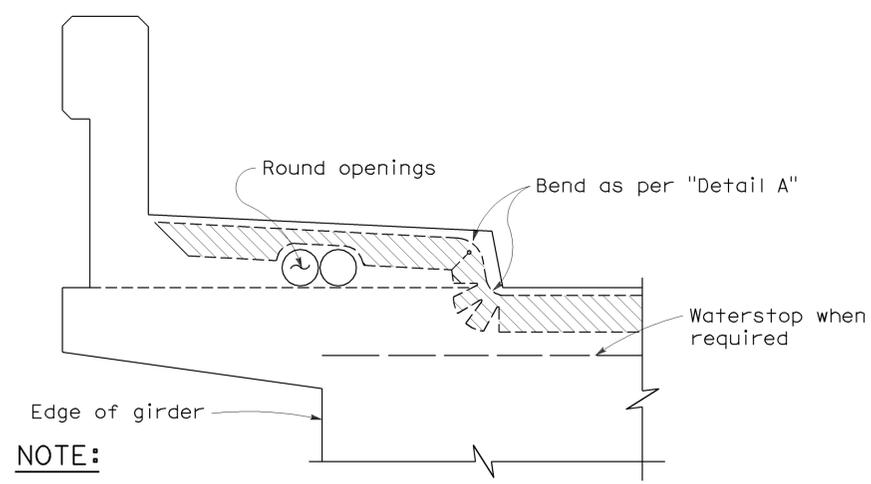
(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

SUMMARY OF QUANTITIES Q-1

LAST REVISION | DATE PLOTTED => 07-FEB-2012
 00-00-00 | TIME PLOTTED => 11:12

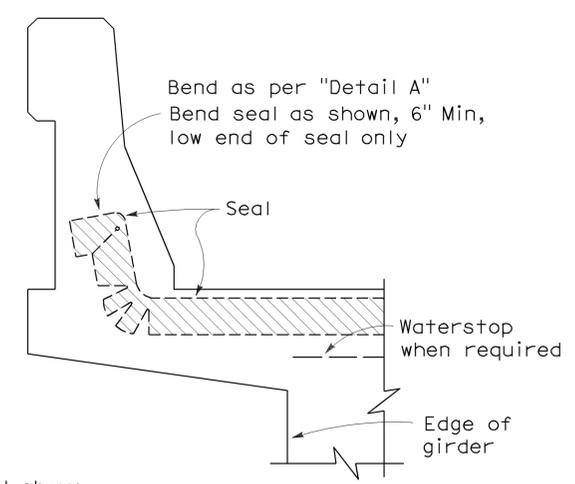
To accompany plans dated February 6, 2012

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

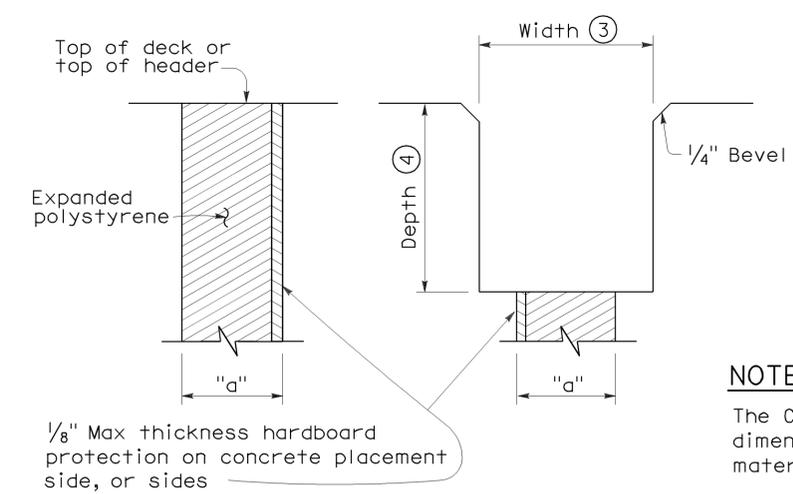


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK

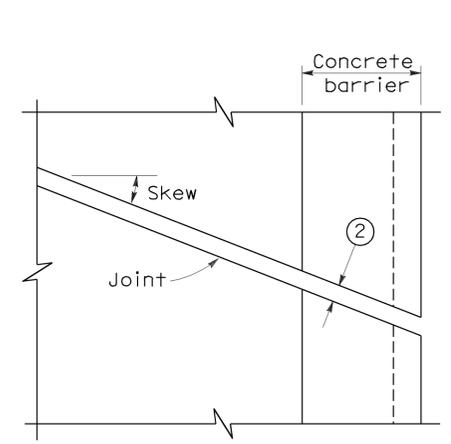


CONCRETE BARRIER



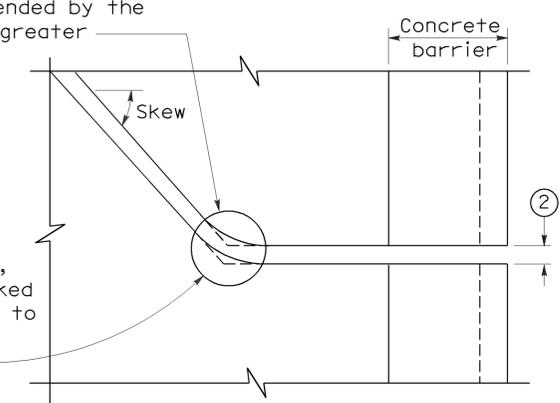
FORMING DETAIL SAWCUT DETAIL

JOINT SEALS DETAILS



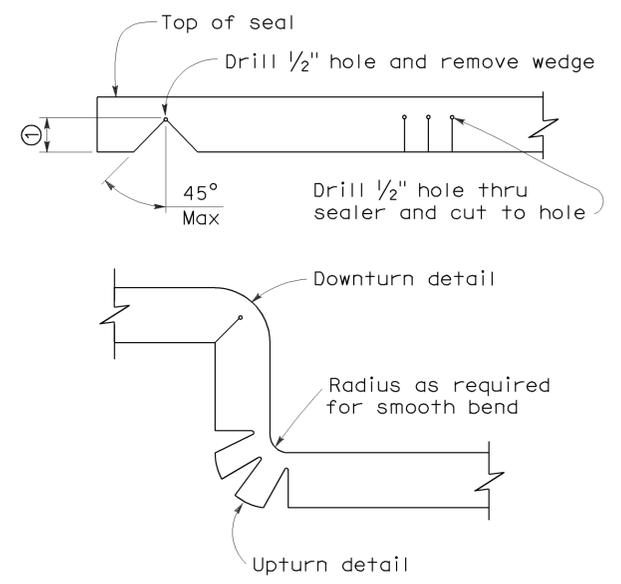
PLAN OF JOINT (SKEW ≤ 20°)

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.



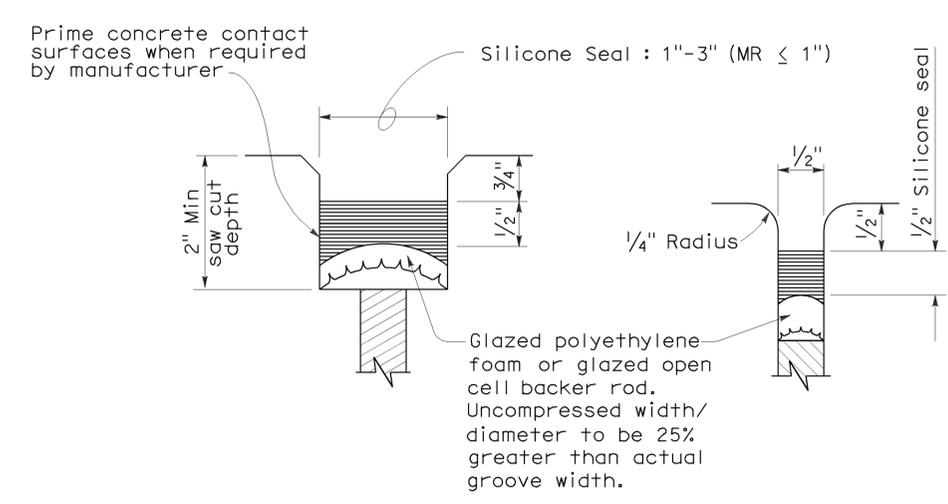
DETAIL A

- 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

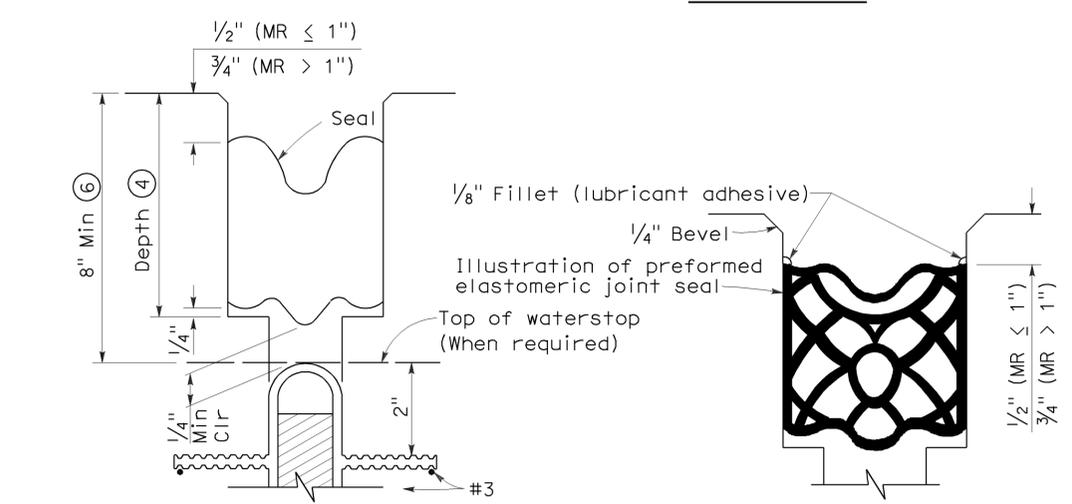


TYPE A SEAL

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	Hum	96, 200 299	Var	7	16

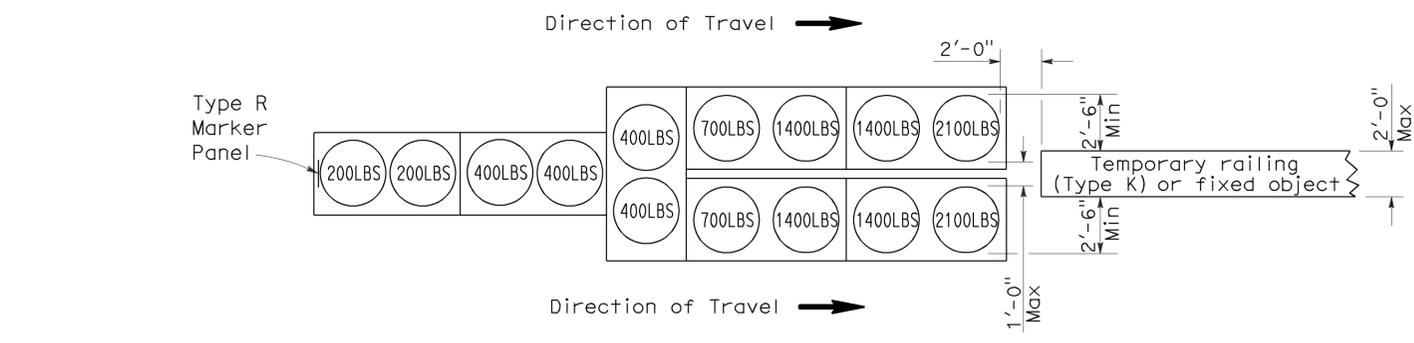
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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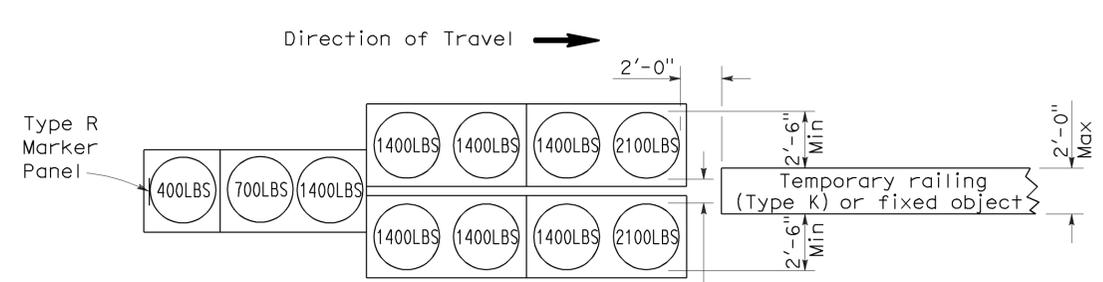
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated February 6, 2012



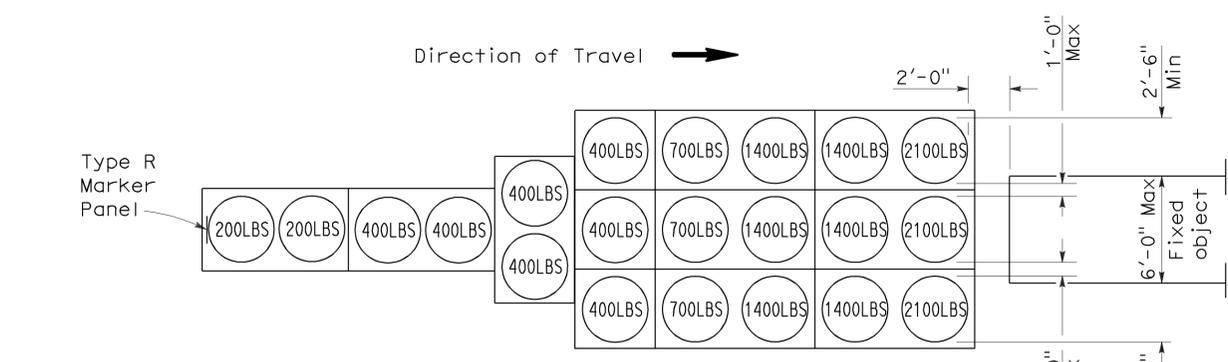
ARRAY 'TU14'

Approach speed 45 mph or more



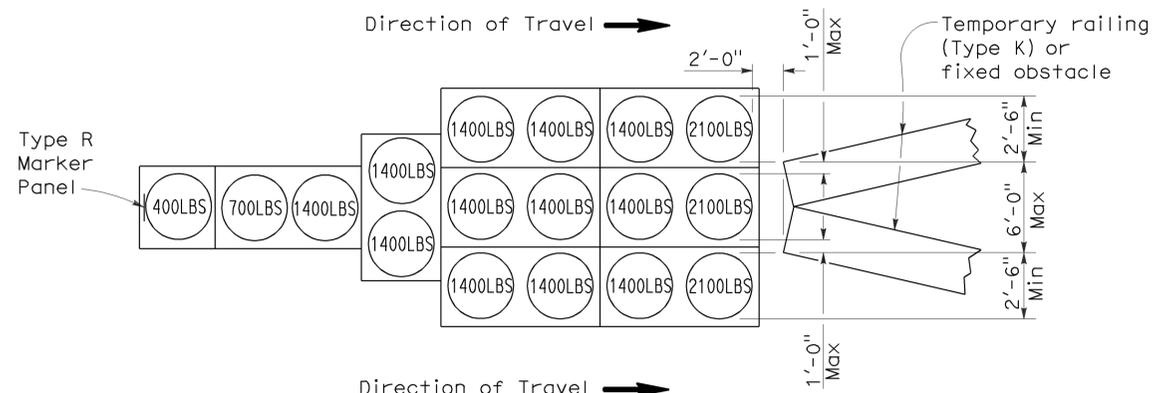
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more

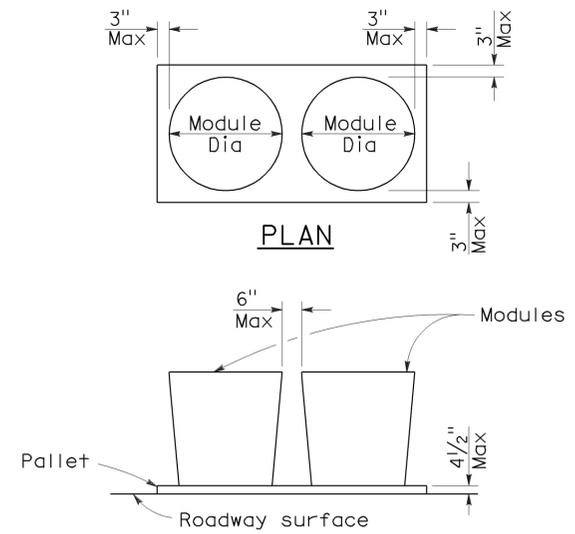


ARRAY 'TU17'

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

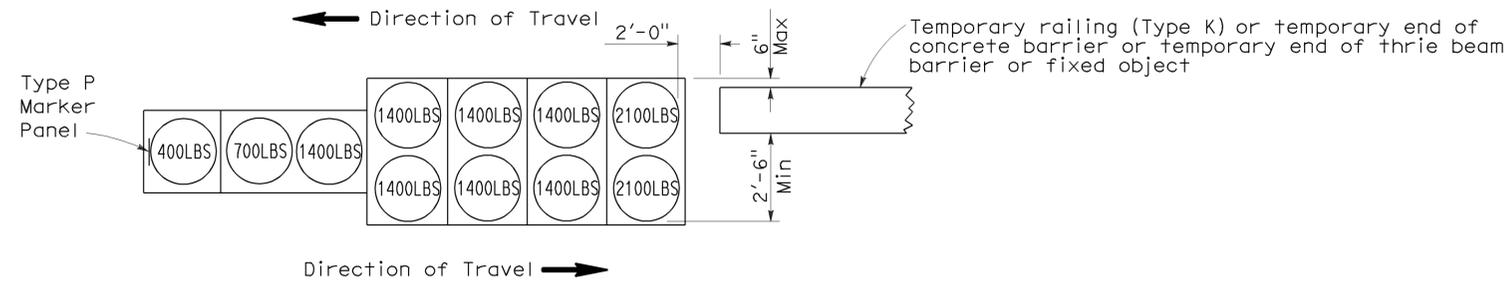
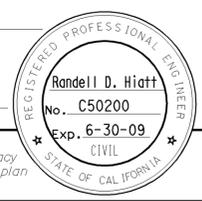
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	96, 200 299	Var	8	16

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

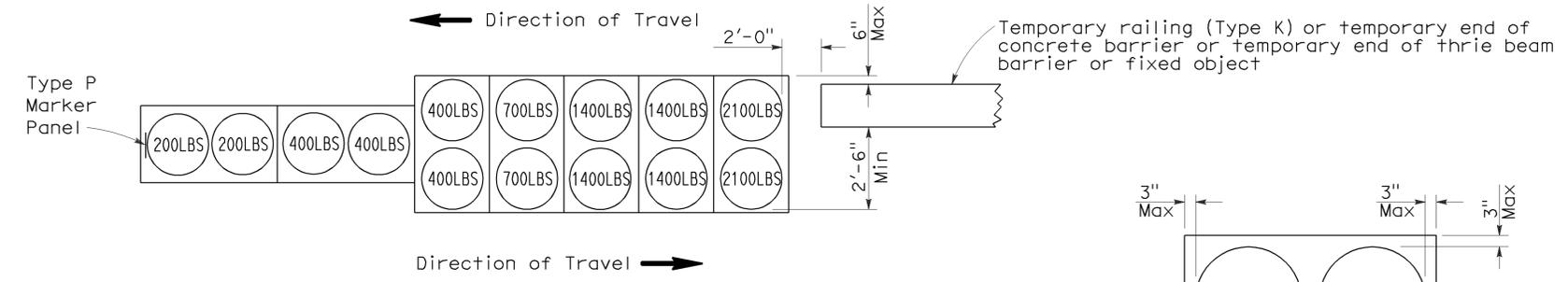
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To accompany plans dated February 6, 2012



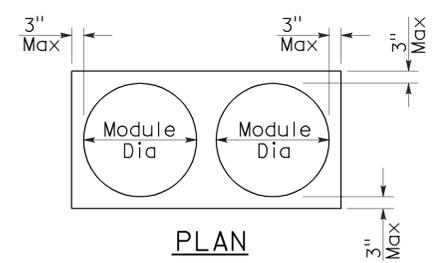
ARRAY 'TB11'

Approach speed less than 45 mph

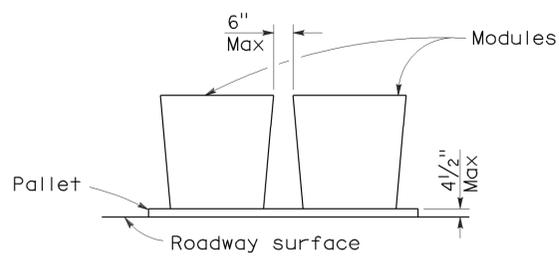


ARRAY 'TB14'

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 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

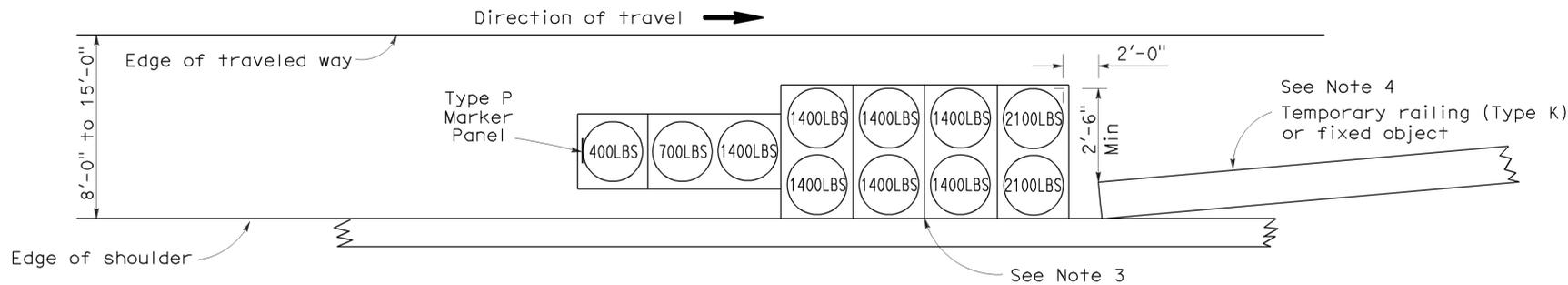
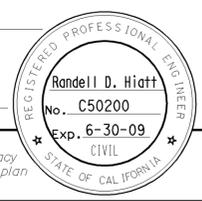
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Hum	96, 200 299	Var	9	16

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

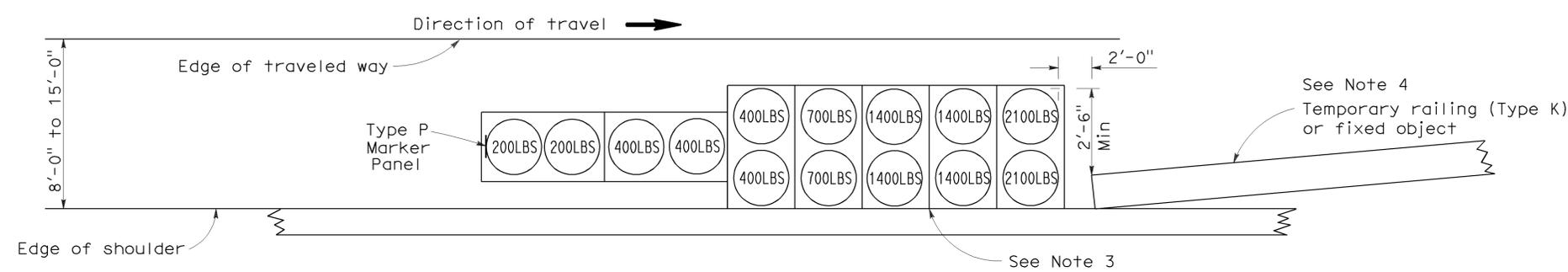
June 6, 2008
PLANS APPROVAL DATE

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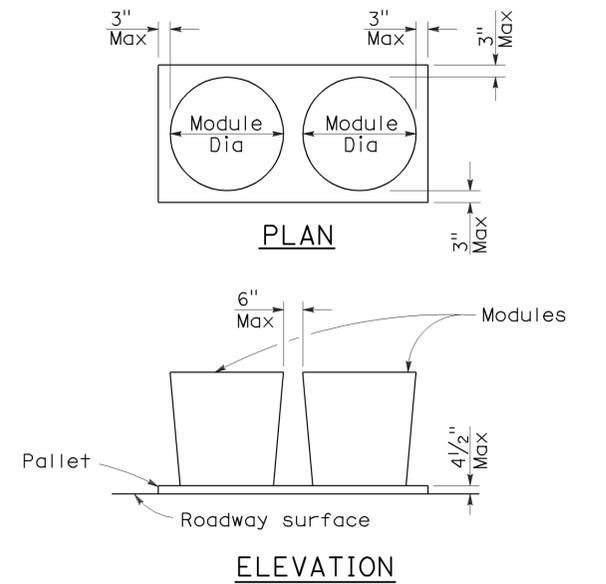
To accompany plans dated February 6, 2012



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



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



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

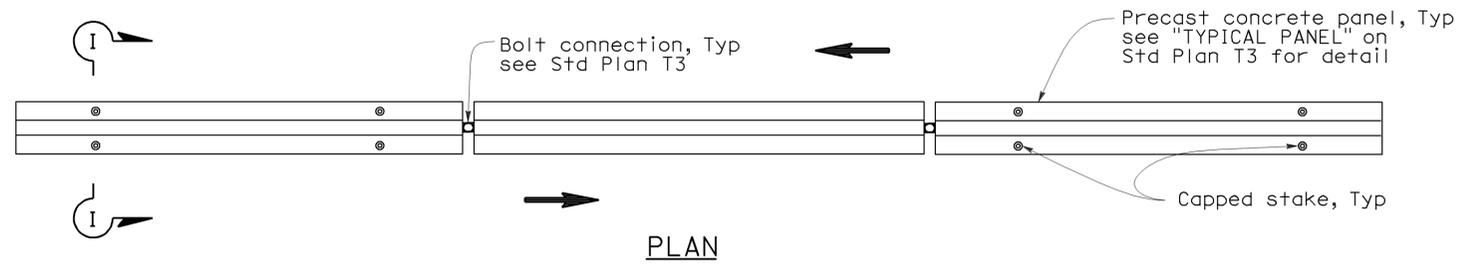
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	96, 200 299	Var	10	16

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

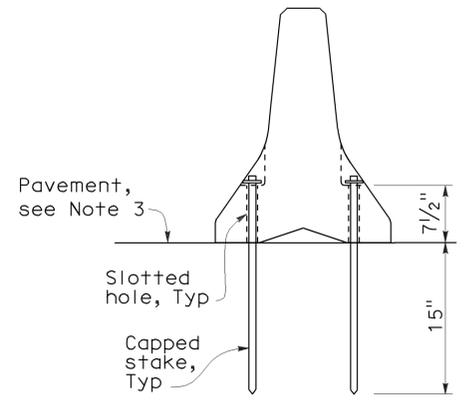
May 20, 2011
PLANS APPROVAL DATE

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To accompany plans dated February 6, 2012

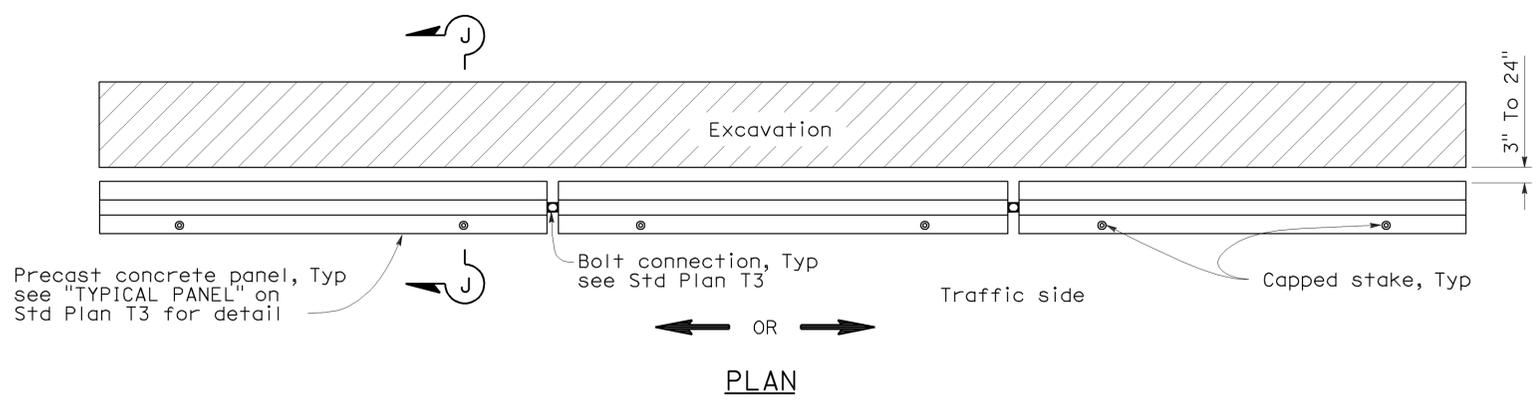


RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC
See Note 1

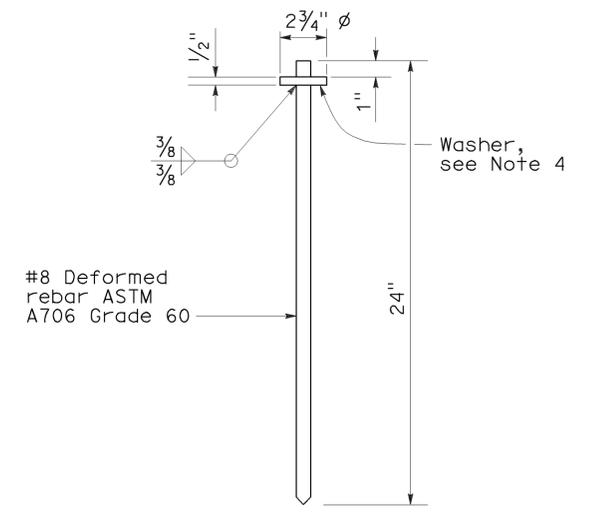
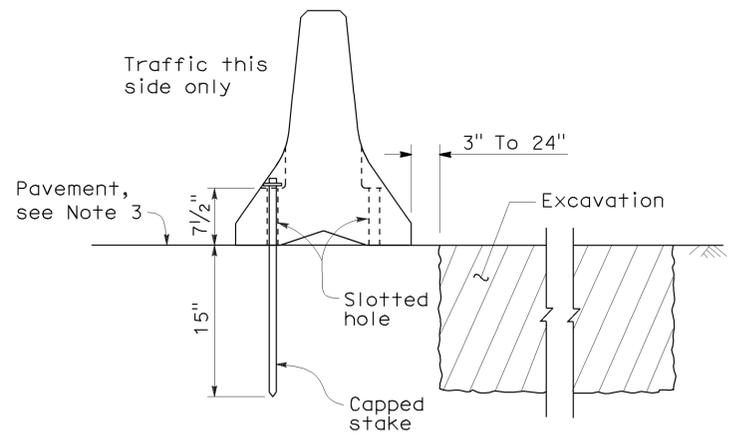


NOTES:

1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by \Rightarrow .



RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION
See Note 2



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY RAILING
(TYPE K)**

NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T3A

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	JOINT SEAL DETAILS NO. 1
6	JOINT SEAL DETAILS NO. 2

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")

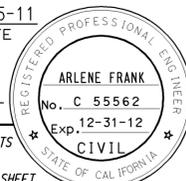
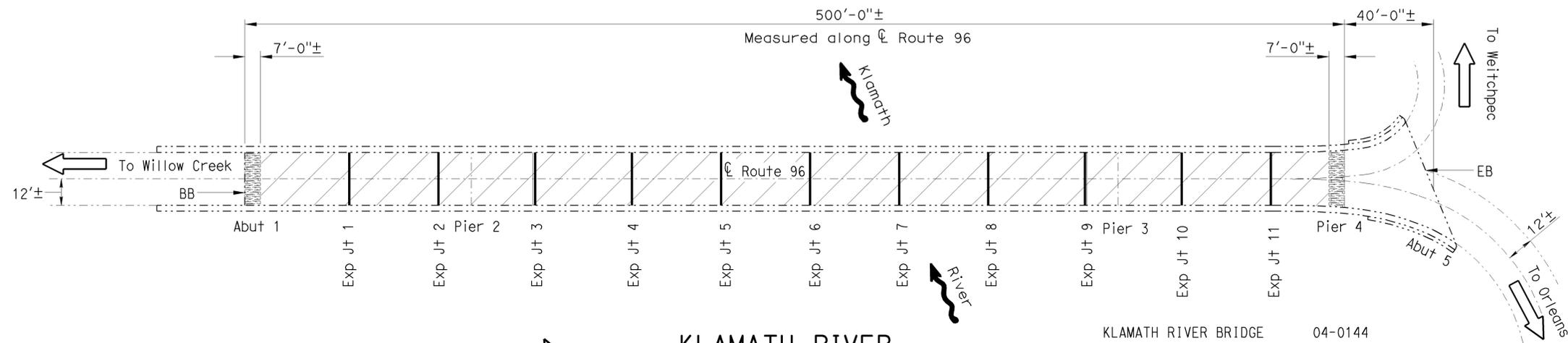
NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
- Indicates location of clean expansion joint and install new joint seal.
-  Indicates limits of prepare concrete bridge deck and treat bridge deck with high molecular weight methacrylate.
-  Indicates limits of remove existing 2 1/4"± AC overlay.

 Indicates location of reconstruct 3'-6"± long finger joint panels, total 7'-0" long at each location. Remove broken spring units and install new bolts, washers and nuts, see JOINT SEAL DETAILS NO. 2 sheet.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	96,200 & 299	Var	11	16

Arlene Frank 11-25-11
 REGISTERED CIVIL ENGINEER DATE
 2-6-12
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

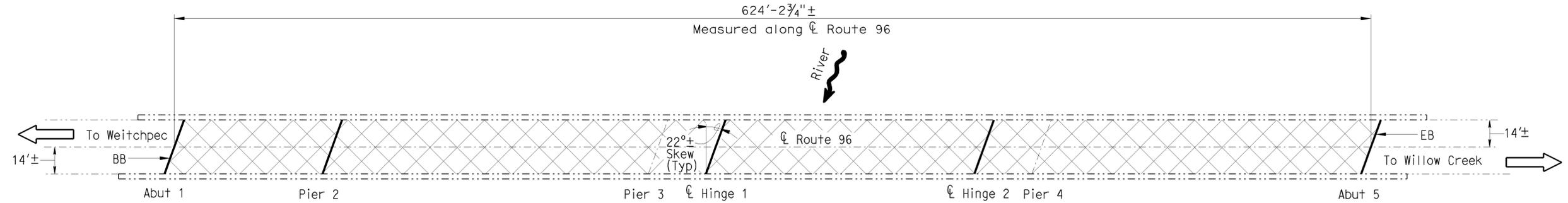
KLAMATH RIVER

Br No. 04-0144, HUM, Route 96, PM 22.95
1"=30'

KLAMATH RIVER BRIDGE 04-0144

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	12,275	SQFT
RECONSTRUCT EXPANSION GRID	LUMP	SUM
CLEAN EXPANSION JOINT	270	LF
JOINT SEAL (MR 1 1/2")	270	LF
TREAT BRIDGE DECK	12,275	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	137	GAL
PUBLIC SAFETY PLAN	LUMP	SUM



TRINITY RIVER

Br No. 04-0137, HUM, Route 96, PM 12.26
1"=30'

TRINITY RIVER BRIDGE 04-0137

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	17,480	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	17,480	SQFT
CLEAN EXPANSION JOINT	154	LF
JOINT SEAL (MR 1 1/2")	154	LF
TREAT BRIDGE DECK	17,480	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	194	GAL
PUBLIC SAFETY PLAN	LUMP	SUM

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

PROJECT NUMBER & PHASE 0100020280

 DESIGN ENGINEER 11-17-11	DESIGN	BY A. Frank	CHECKED Q. Vo	LAYOUT	BY N. Kelley	CHECKED A. Frank	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 96,200 & 299 BRIDGES GENERAL PLAN NO. 1
	DETAILS	BY N. Kelley	CHECKED Q. Vo	SPECIFICATIONS	BY D. Klein	CHECKED D. Klein			POST MILE	
QUANTITIES	BY A. Frank	CHECKED Q. Vo					CU 01 EA 0A4001	Various		

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

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

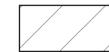
DISREGARD PRINTS BEARING EARLIER REVISION DATES

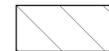
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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(APPLY TO THIS SHEET ONLY)

NOTES: ----- Indicates existing.

 Indicates limits of prepare concrete bridge deck and place new 1"± minimum depth polyester concrete overlay. Prior to polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete.

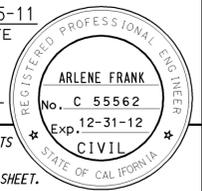
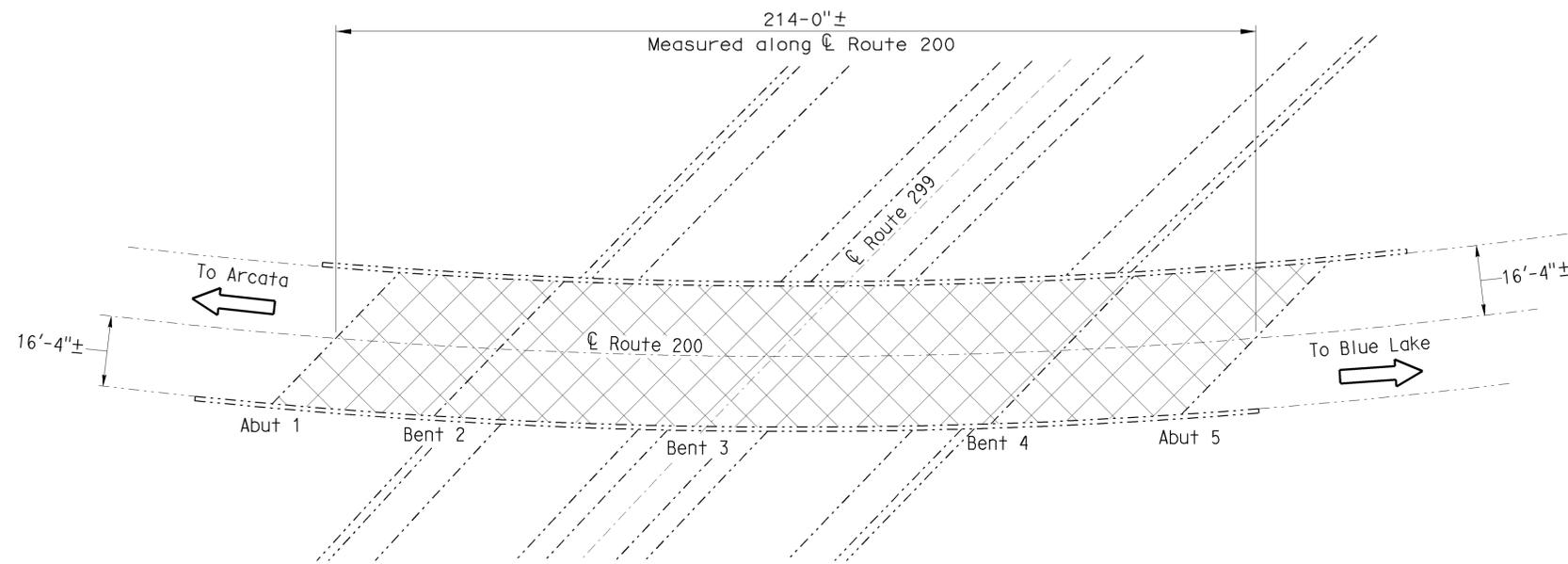
 Indicates limits of remove existing 2"± AC overlay.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	96,200 & 299	Var	12	16

Arlene Frank 11-25-11
 REGISTERED CIVIL ENGINEER DATE

2-6-12
 PLANS APPROVAL DATE

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

Note: Perimeter for AC removal is 6" away from toe of the curb.

ROUTE 200/299 SEPARATION 04-0184



ROUTE 200/299 SEPARATION

Br No. 04-0184, HUM, Route 200, PM R2.66
 1"=20'

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	6,775	SQFT
REMOVE UNSOUND CONCRETE	51	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	6,990	SQFT
RAPID SETTING CONCRETE (PATCH)	51	CF
FURNISH POLYESTER CONCRETE OVERLAY	699	CF
PLACE POLYESTER CONCRETE OVERLAY	6,990	SQFT

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

PROJECT NUMBER & PHASE 0100020280

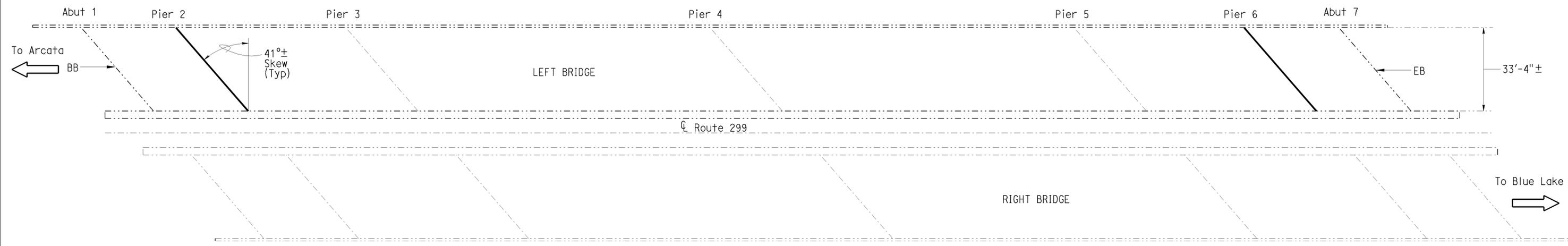
 DESIGN ENGINEER 11-17-11	DESIGN	BY A. Frank	CHECKED Q. Vo	LAYOUT	BY N. Kelley	CHECKED A. Frank	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 96,200 & 299 BRIDGES GENERAL PLAN NO. 2	
	DETAILS	BY N. Kelley	CHECKED Q. Vo	SPECIFICATIONS	BY D. Klein	CHECKED D. Klein			POST MILE		Varies
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)		QUANTITIES	BY A. Frank	CHECKED Q. Vo	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	CU 01 EA 0A4001	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 7-12-11 8-2-11 8-16-11 10-3-11 10-27-11 11-16-11 11-29-11 12-1-11 2-3-12	SHEET 2 OF 6

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	96,200 & 299	Var	13	16

Arlene Frank 11-25-11
 REGISTERED CIVIL ENGINEER DATE
 2-6-12
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

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

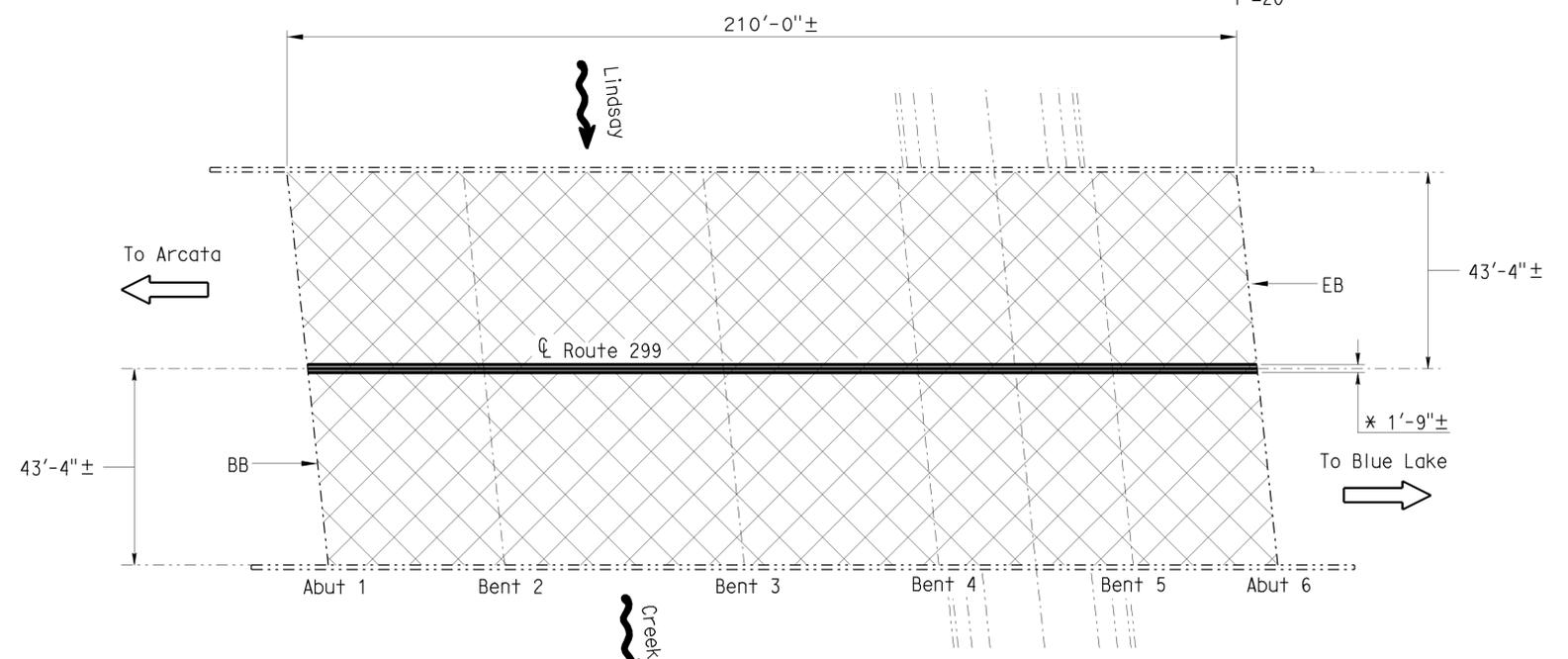
- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates existing.
 - Indicates location of clean expansion joint and install new joint seal.
 - ▨ Indicates limits of prepare concrete bridge deck and place new 1"± minimum depth polyester concrete overlay. Prior to polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete.
 - ▨ Indicates limits of remove existing 2 1/4"± AC overlay.



MAD RIVER
 Br No. 04-0036L, HUM, Route 299, PM R1.56
 1"=20'
 MAD RIVER BRIDGE 04-0036L

QUANTITIES

CLEAN EXPANSION JOINT	90	LF
JOINT SEAL (MR 1")	90	LF



LINDSAY CREEK
 Br No. 04-0187, HUM, Route 299, PM R3.50
 1"=20'
 LINDSAY CREEK BRIDGE 04-0187

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	17,831	SQFT
REMOVE UNSOUND CONCRETE	137	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	18,200	SQFT
CLEAN EXPANSION JOINT	210	LF
RAPID SETTING CONCRETE (PATCH)	137	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,820	CF
PLACE POLYESTER CONCRETE OVERLAY	18,200	SQFT
JOINT SEAL (MR 1/2")	210	LF

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

NOTE:
* Limits of no existing AC overlay. Existing 3/2" dia (outside) pipe embedded in concrete deck 9"± from longitudinal joint at 7'-0"± spacing.

PROJECT NUMBER & PHASE 0100020280

 DESIGN ENGINEER 11-17-11	DESIGN	BY A. Frank	CHECKED Q. Vo	LAYOUT	BY N. Kelley	CHECKED A. Frank	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE No.	ROUTE 96,200 & 299 BRIDGES GENERAL PLAN NO. 3
	DETAILS	BY N. Kelley	CHECKED Q. Vo	SPECIFICATIONS	BY D. Klein	CHECKED D. Klein			POST MILE	
QUANTITIES	BY A. Frank	CHECKED Q. Vo						Various		

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

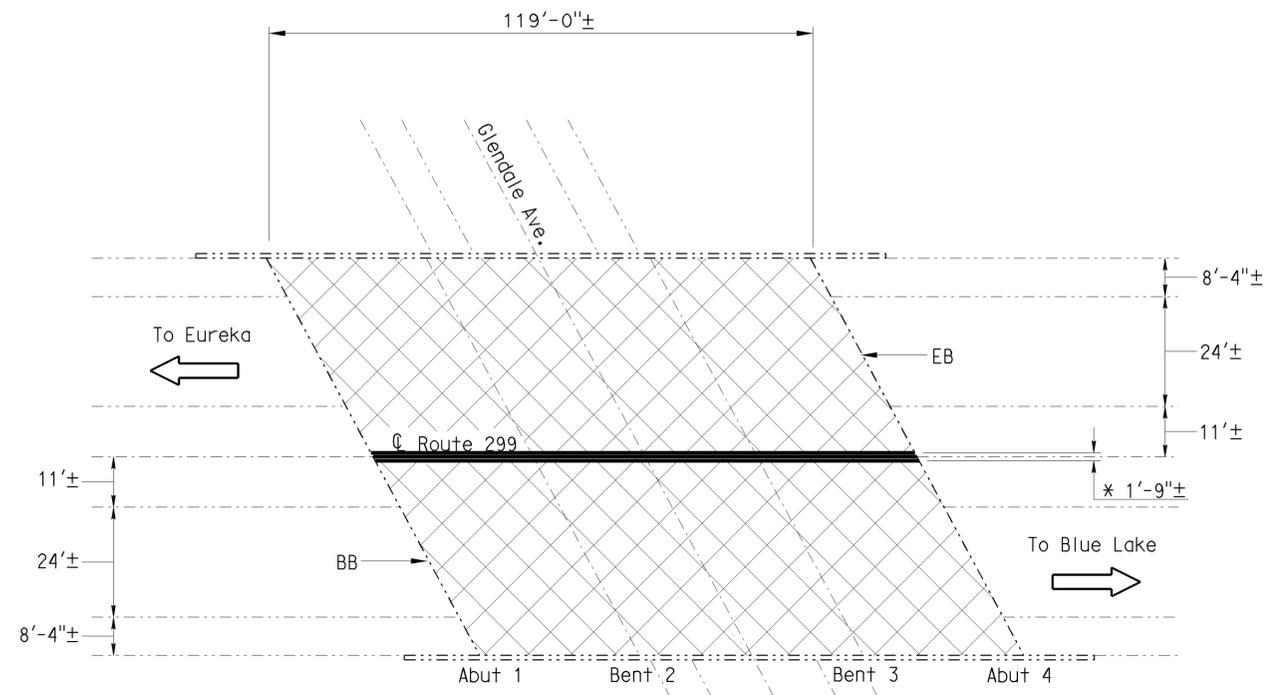
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	CU 01	EA 0A4001	DISREGARD PRINTS BEARING EARLIER REVISION DATES	<table border="1" style="font-size: x-x-small;"> <tr> <th colspan="2">REVISION DATES</th> </tr> <tr> <td>1-11</td> <td>2-11</td> </tr> <tr> <td>3-11</td> <td>4-11</td> </tr> <tr> <td>5-11</td> <td>6-11</td> </tr> <tr> <td>7-11</td> <td>8-11</td> </tr> <tr> <td>9-11</td> <td>10-11</td> </tr> <tr> <td>11-11</td> <td>12-11</td> </tr> <tr> <td>1-12</td> <td>2-12</td> </tr> </table>	REVISION DATES		1-11	2-11	3-11	4-11	5-11	6-11	7-11	8-11	9-11	10-11	11-11	12-11	1-12	2-12	SHEET 3 OF 6
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1-12	2-12																								

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	96,200 & 299	Var	14	16
<i>Arlene Frank</i> REGISTERED CIVIL ENGINEER			11-25-11 DATE		
2-6-12 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					

NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
- Indicates location of clean expansion joint and install new joint seal.
-  Indicates limits of prepare concrete bridge deck and place new 1"± minimum depth polyester concrete overlay. Prior to polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete.
-  Indicates limits of remove existing 2 1/4"± AC overlay.



GLENDALE UNDERCROSSING
 Br No. 04-0191, HUM, Route 299, PM R4.04
 1"=20'

NOTE:
 * Limits of no existing AC overlay. Existing 3 1/2" dia (outside) pipe embedded in concrete deck 9"± from longitudinal joint at 7'-0"± spacing.

GLENDALE UNDERCROSSING 04-0191

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	10,105	SQFT
REMOVE UNSOUND CONCRETE	77	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	10,313	SQFT
CLEAN EXPANSION JOINT	119	LF
RAPID SETTING CONCRETE (PATCH)	77	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,031	CF
PLACE POLYESTER CONCRETE OVERLAY	10,313	SQFT
JOINT SEAL (MR 1/2")	119	LF

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

PROJECT NUMBER & PHASE 0100020280

 DESIGN ENGINEER	DESIGN	BY A. Frank	CHECKED Q. Vo	LAYOUT	BY N. Kelley	CHECKED A. Frank	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 96,200 & 299 BRIDGES GENERAL PLAN NO. 4
	DETAILS	BY N. Kelley	CHECKED Q. Vo	SPECIFICATIONS	BY D. Klein	PLANS AND SPECIFICATIONS COMPARED D. Klein			POST MILE	
	QUANTITIES	BY A. Frank	CHECKED Q. Vo				CU 01 EA OA4001	Various	REVISION DATES	SHEET 4 OF 6

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DISREGARD PRINTS BEARING EARLIER REVISION DATES

USERNAME => s121116 DATE PLOTTED => 07-FEB-2012 TIME PLOTTED => 07:45

JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION	MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)
KLAMATH RIVER	04-0144	Abut 1	BW * —	24.4	No	6
		Exp JT 1	EJ 1/2	24.5	No	10
		Exp JT 2	EJ 1/2	24.5	No	10
		Exp JT 3	EJ 1/2	24.5	No	10
		Exp JT 4	EJ 1/2	24.5	No	10
		Exp JT 5	EJ 1/2	24.5	No	10
		Exp JT 6	EJ 1/2	24.5	No	10
		Exp JT 7	EJ 1/2	24.5	No	10
		Exp JT 8	EJ 1/2	24.5	No	10
		Exp JT 9	EJ 1/2	24.5	No	10
		Exp JT 10	EJ 1/2	24.5	No	10
		Exp JT 11	EJ 1/2	24.5	No	10
		Pier 4	BW * —	30.7	No	6
TRINITY RIVER	04-0137	Abut 1	BW 1/2	31	No	8
		Pier 2	EJ 1/2	31	No	19
		Hinge 1	H 1/2	31	No	19
		Hinge 2	H 1/2	31	No	19
MAD RIVER	04-0036L	Abut 5	BW 1/2	31	No	8
		Pier 2	BW 1	45	No	9
		Pier 6	BW 1	45	No	9
LINDSAY CREEK	04-0187	Centerline	LJ 1/2	210.0	Yes	6
GLENDAL UC	04-0191	Centerline	LJ 1/2	119.0	Yes	6

- Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
- Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.
- W1 shall be the smaller of the values determined as follows:
 - 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
 - The width of the seal on the third successive test cycle of the pressure deflection test, when compressed to an average pressure of 3 psi.
- Bend Type B joint seal 6" up into curb or rail on the low side of the deck where deck joint matches curb or rail joint.
- For details not shown, see RSP B6-21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	96,200 & 299	Var	15	16

Arlene Frank 11-25-11
 REGISTERED CIVIL ENGINEER DATE

2-6-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

ARLENE FRANK

No. C 55562

Exp. 12-31-12

CIVIL

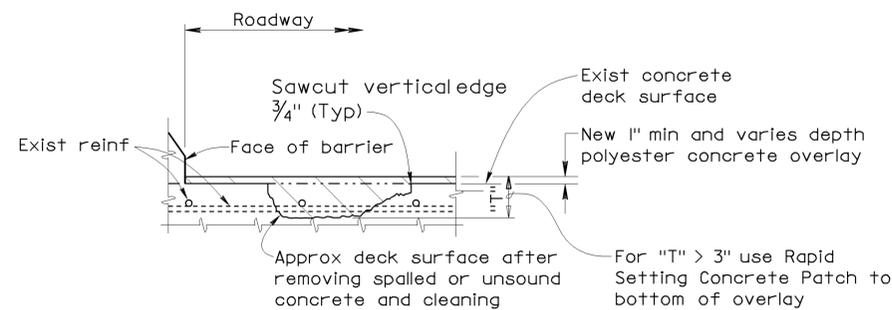
STATE OF CALIFORNIA

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.

DECK REPAIR TABLE REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)			
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
ROUTE 200/299 SEPARATION	04-0184	3	3
LINDSAY CREEK	04-0187	3	3
GLENDAL UC	04-0191	3	3

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

- LEGEND:**
- EJ - Expansion Joint
 - BW - Abutment backwall joint
 - H - Hinge Joint
 - LJ - Longitudinal Joint
 - * - Clean out debris at joint only.

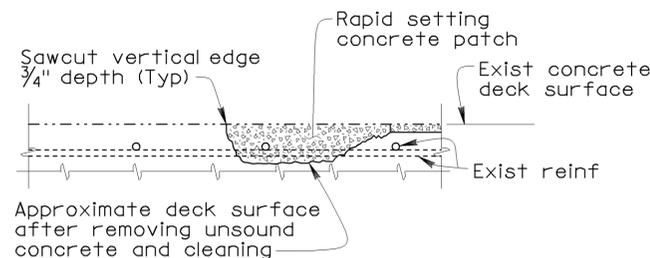


DECK REPAIR DETAIL - OVERLAY

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

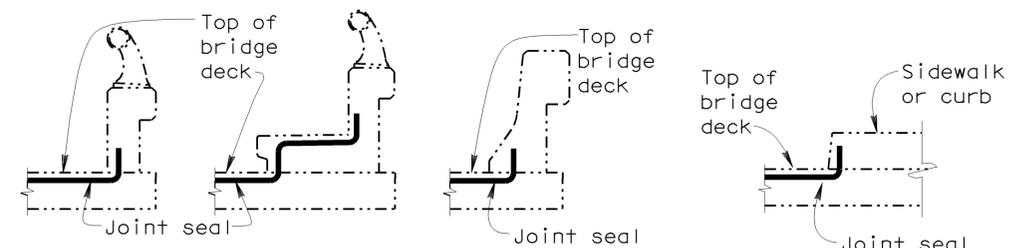
Note: Reinforcement may be encountered during deck concrete removal.

NO SCALE



DECK REPAIR DETAIL

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



BARRIER RAIL
SIDEWALK OR CURB
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.

PROJECT NUMBER & PHASE 0100020280

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN BY A. Frank CHECKED Q. Vo DETAILS BY N. Kelley CHECKED Q. Vo QUANTITIES BY A. Frank CHECKED Q. Vo	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies POST MILE Various	ROUTE 96,200 & 299 BRIDGES JOINT SEAL DETAILS
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 01 EA OA4001	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 5 OF 6

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	HUM	96,200 & 299	Var	16	16

Arlene Frank 11-25-11
 REGISTERED CIVIL ENGINEER DATE
 2-6-12
 PLANS APPROVAL DATE
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