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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN DEL NORTE AND HUMBOLDT COUNTIES
AT VARIOUS LOCATIONS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101, 299	Var	1	12

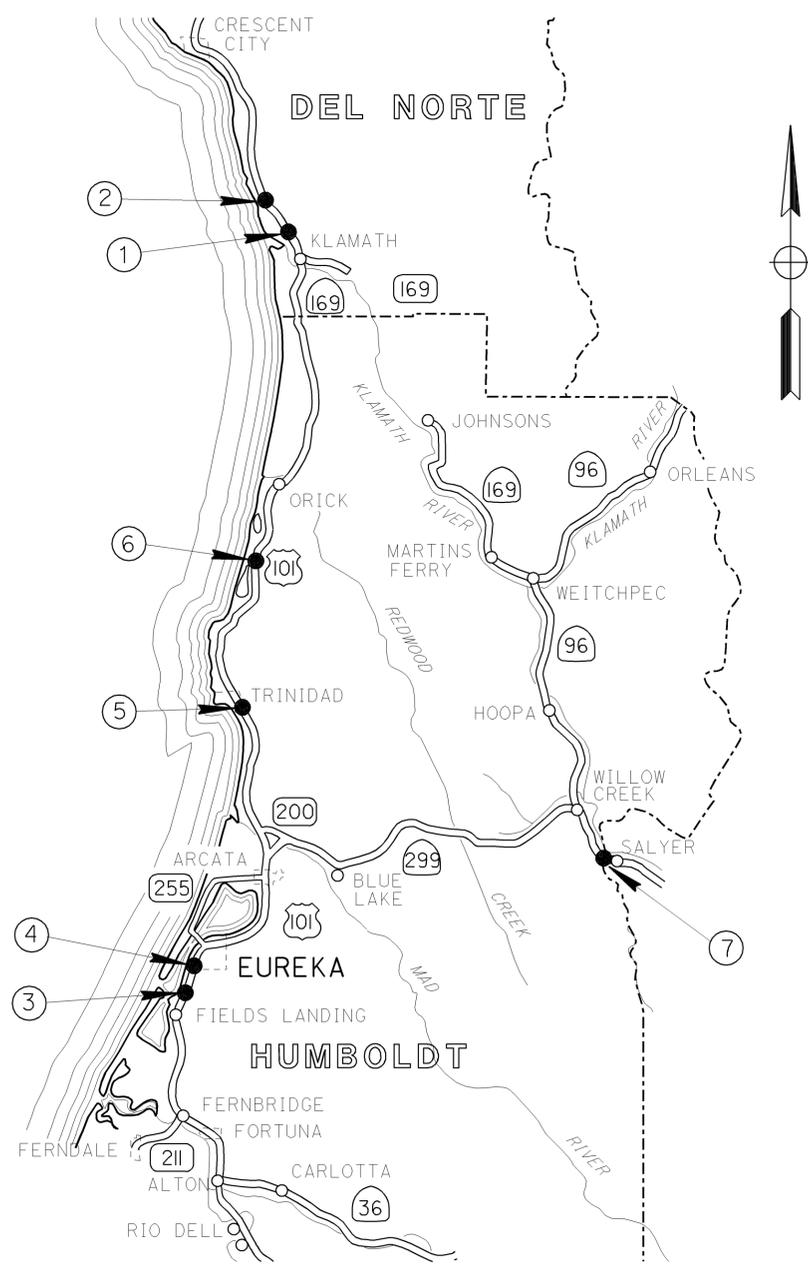




LOCATION MAP

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

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION					
LOCATION	Co	ROUTE	PM	NAME OF BRIDGE	BRIDGE NO.
1	DN	101	8.34	PANTHER CREEK BRIDGE	01-0025
2	DN	101	9.39	HIGH PRAIRIE CREEK BRIDGE	01-0004
3	HUM	101	72.9	KING SALMON UC LEFT AND RIGHT	04-0067
4	HUM	101	74.8	HERRICK Ave OVERCROSSING	04-0280
5	HUM	101	100.7	TRINIDAD ROAD UNDERCROSSING	04-0058
6	HUM	101	109.2	BIG LAGOON BRIDGE	04-0027
7	HUM	299	42.9	SOUTH FORK TRINITY RIVER BRIDGE	04-0050

PROJECT MANAGER
R.B. McCarthy
 DESIGN ENGINEER
R.B. McCarthy

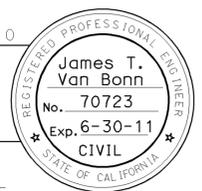
THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE



USERNAME => f1donh
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 PROJECT ENGINEER DATE 1/19/10
 REGISTERED CIVIL ENGINEER
 January 19, 2010
 PLANS APPROVAL DATE



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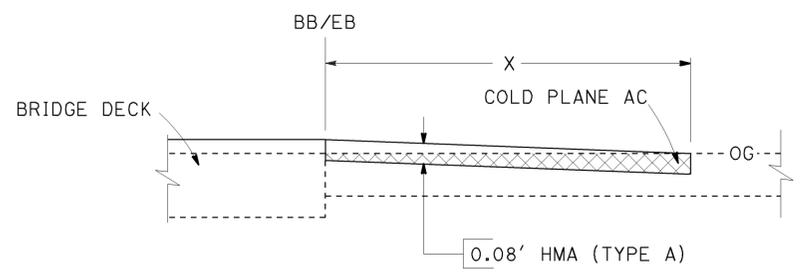
CONTRACT No. **01-482804**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101,299	Var	2	12

James T. Van Bonn 1/19/10
 REGISTERED CIVIL ENGINEER DATE
 January 19, 2010
 PLANS APPROVAL DATE

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



LOCATION	X LF	REMARKS
1	60	PANTHER CREEK BRIDGE No. 01-0025
2	75	HIGH PRAIRIE CREEK BRIDGE No. 01-0004

LIMITS OF COLD PLANE AC

ROADWAY QUANTITIES			
LOCATION	COLD PLANE AC PAVEMENT	HMA (TYPE A)	REMARKS
	SQYD	TON	
1	430	45	PANTHER CREEK BRIDGE No. 01-0025
2	670	80	HIGH PRAIRIE CREEK BRIDGE No. 01-0004
TOTAL	1100	125	

TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES										
LOCATION PM	DETAIL NUMBER	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE			PAINT (1 COAT) 4 INCH WHITE (BROKEN 36-12)	NON-REFLECTIVE TYPE A WHITE	PAVEMENT MARKER RETROREFLECTIVE		
			4 INCH SOLID WHITE	4 INCH SOLID YELLOW	4 INCH YELLOW (BROKEN 36-12)			TYPE D YELLOW (TWO WAY)	TYPE G CLEAR (ONE WAY)	TYPE H YELLOW (ONE WAY)
FROM	TO									
LOC 1										
8.32	8.38	22	337		674			30		
8.32 Rt	8.38 Rt	27B	337	337						
8.32 Lt	8.38 Lt	27B	337	337						
LOC 2										
9.37	9.43	19L	292		292	292		7		13
9.37 Lt	9.43 Lt	27B	292	292						
9.37 Rt	9.43 Rt	27B	292	292						
LOC 3A										
72.85	72.92	11,13	129				129	12	4	
72.85 Rt	72.92 Rt	25	129		129					4
72.85 Rt	72.92 Rt	27B	129	129						
LOC 3B										
72.85	72.92	11,13	120				120	12	4	
72.85 Lt	72.92 Lt	25	120		120					4
72.85 Lt	72.92 Lt	27B	120	120						
LOC 4										
74.77	74.78	22	184		368			18		
74.77 Rt	74.78 Rt	27B	184	184						
74.77 Lt	74.78 Lt	27B	184	184						
LOC 5										
100.70	100.73	11,13	125				125	12	4	
100.70 Lt	100.73 Lt	11,13	125				125	12	4	
100.70	100.73	29	125		500			12		
100.70 Rt	100.73 Rt	27B	125	125						
100.70 Lt	100.73 Lt	27B	125	125						
LOC 6										
109.17	109.26	11,13	443				443		10	
109.17 Lt	109.26 Lt	11,13	443				443		10	
109.17	109.26	29	443		1772			40		
109.17 Rt	109.26 Rt	27B	443	443						
109.17 Lt	109.26 Lt	27B	443	443						
LOC 7										
42.99	0.04	22	437		874			38		
42.99 Rt	0.04 Rt	27B	437	437						
42.99 Lt	0.04 Lt	27B	437	437						
SUBTOTAL			3885	4729				145	36	21
TOTAL			8614		292	1385	48		202	

REMOVE TRAFFIC STRIPE QUANTITIES					
LOCATION PM	DETAIL NUMBER	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE		
			4 INCH SOLID WHITE	4 INCH SOLID YELLOW	
FROM	TO				FT
LOC 3A					
72.85	72.92	25	129		129
72.85 Rt	72.92 Rt	27B	129	129	
72.85 Lt	72.92 Lt	27B	129	129	
LOC 3B					
72.85	72.92	25	120		120
72.85 Lt	72.92 Lt	27B	120	120	
72.85 Rt	72.92 Rt	27B	120	120	
LOC 4					
74.77	74.78	22	184		368
74.77 Rt	74.78 Rt	27B	184	184	
74.77 Lt	74.78 Lt	27B	184	184	
LOC 5					
100.70	100.73	29	125		500
100.70 Rt	100.73 Rt	27B	125	125	
100.70 Lt	100.73 Lt	27B	125	125	
LOC 6					
109.17	109.26	29	443		1772
109.17 Rt	109.26 Rt	27B	443	443	
109.17 Lt	109.26 Lt	27B	443	443	
LOC 7					
42.99	0.04	22	437		874
42.99 Rt	0.04 Rt	27B	437	437	
42.99 Lt	0.04 Lt	27B	437	437	
SUBTOTAL			2627	3763	
TOTAL			6390		

CONSTRUCTION DETAILS AND SUMMARY OF QUANTITIES
C-1

NO SCALE

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REVISOR BY
 DATE

James T. Van Bonn
 James T. Van Bonn

CALCULATED-DESIGNED BY
 CHECKED BY

FUNCTIONAL SUPERVISOR
 R.B. McCarthy

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101,299	Var	3	12

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

1/19/10
 DATE
 January 19, 2010
 PLANS APPROVAL DATE

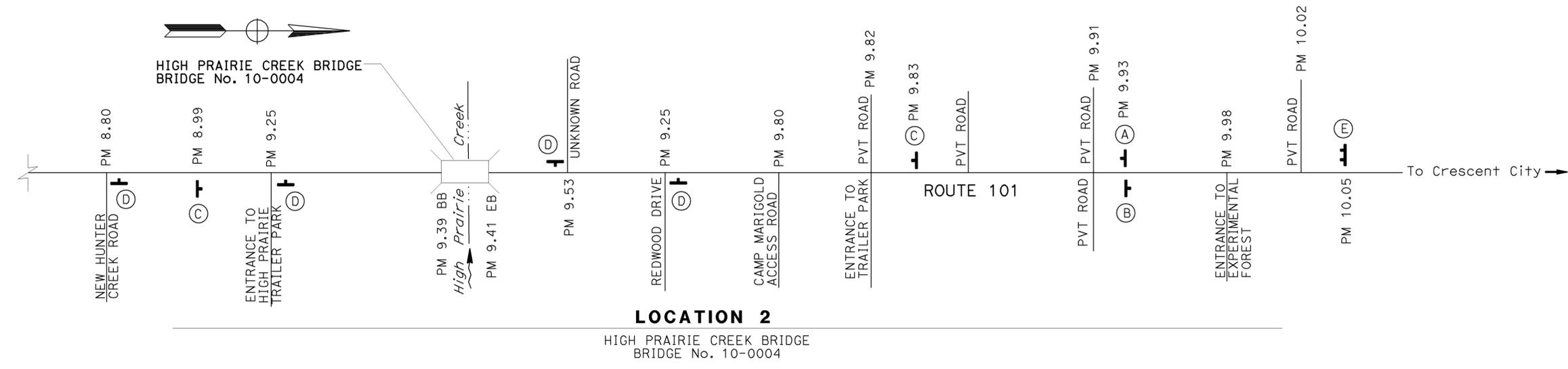
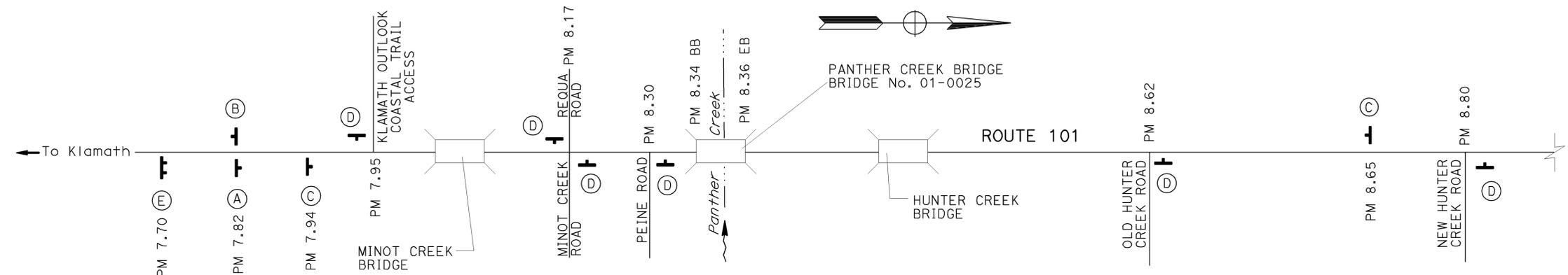
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STATIONARY MOUNTED CONSTRUCTION AREA SIGNS					
SIGN NO.	SIGN CODE	SIGN MESSAGE	PANEL SIZE (IN x IN)	NO. OF POSTS AND SIZE (IN x IN)	NO. OF SIGNS
A	G20-1	ROAD WORK AHEAD	48x48	1-6x6	14
	SP1	BRIDGE REPAIR	54x12		
B	G20-2	END ROAD WORK	36x18	1-4x4	16
C	W11-1	BICYCLE CROSSING	36x36	1-6x6	14
	W16-1	SHARE THE ROAD	30x36		
D	W20-1	ROAD WORK AHEAD	30x30	1-4x4	15
E	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONE	72x36	2-6x6	12
F	SC6-4(CA)	RAMP CLOSED ----- THRU -----	48x60	1-6x6	1

SP1
 54" x 12"
 4" CAPS
 BLACK/ORANGE

BRIDGE REPAIR

NOTES: 1. EXACT SIGN LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.



**CONSTRUCTION AREA SIGNS
 CS-1**

FUNCTIONAL SUPERVISOR
 R.B. McCarthy

CALCULATED-DESIGNED BY
 CHECKED BY

James T. Van Bonn
 James T. Van Bonn

REVISED BY
 DATE REVISED

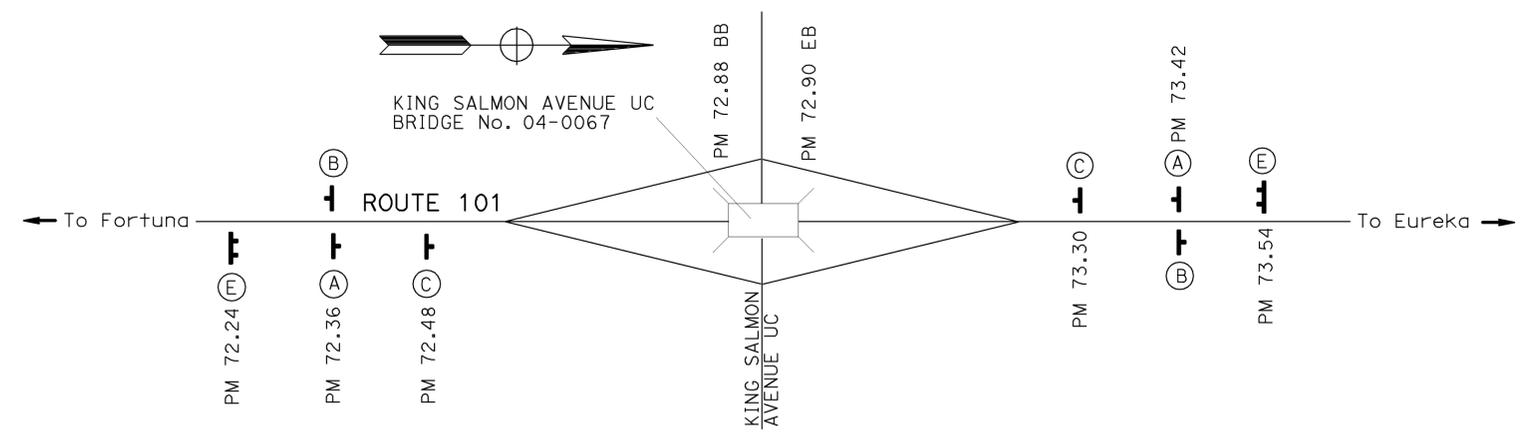
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	DN, Hum	101,299	Var	4	12

James T. Van Bonn 1/19/10
 REGISTERED CIVIL ENGINEER DATE

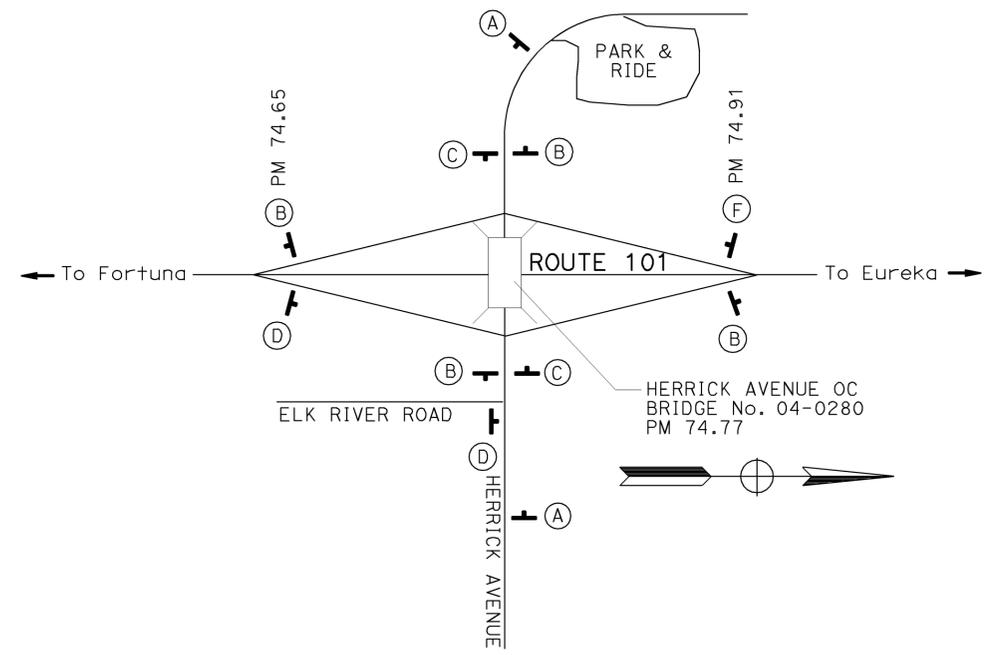
January 19, 2010
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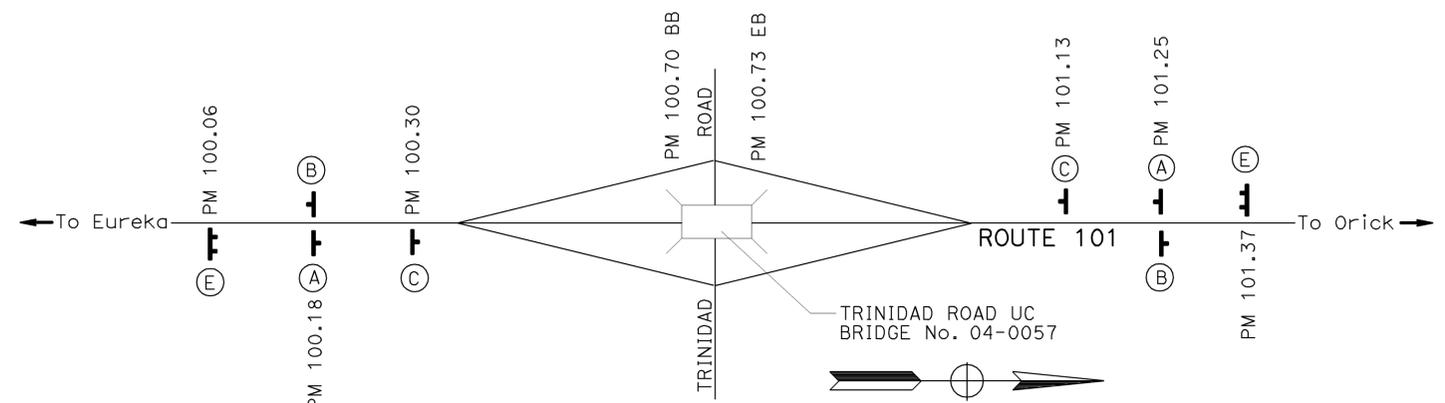
REGISTERED PROFESSIONAL ENGINEER
 James T. Van Bonn
 No. 70723
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA



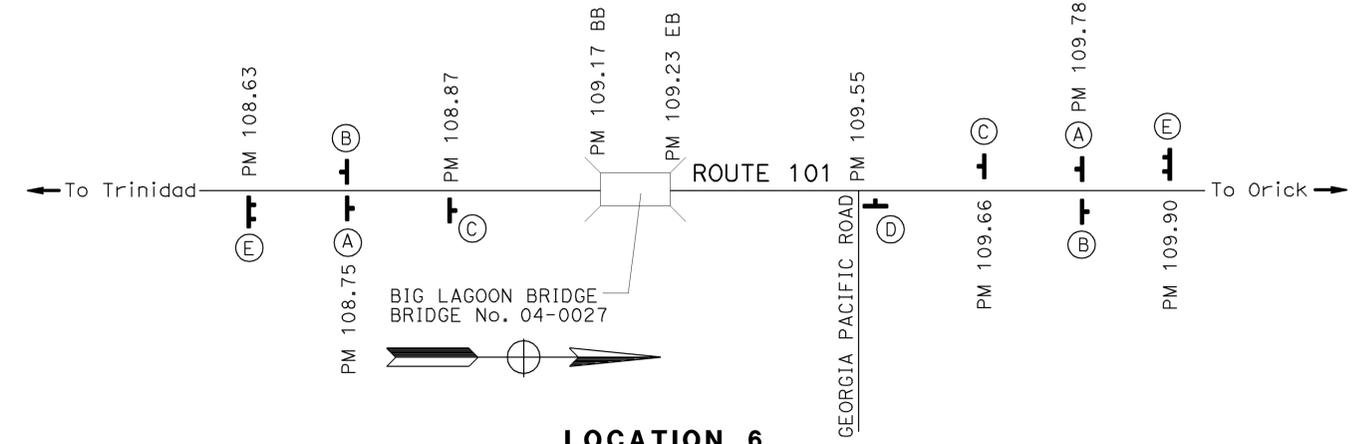
LOCATION 3
 KING SALMON AVENUE UC
 BRIDGE No. 04-0067



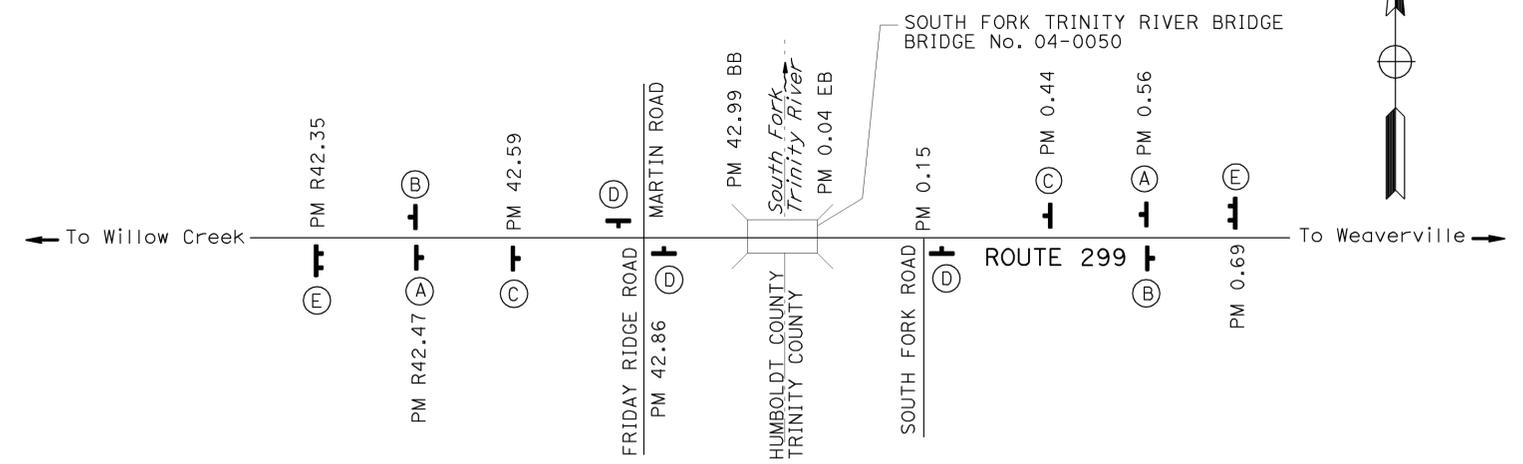
LOCATION 4
 HERRICK AVENUE OC
 BRIDGE No. 04-0280



LOCATION 5
 TRINIDAD ROAD UC
 BRIDGE No. 04-0057



LOCATION 6
 BIG LAGOON BRIDGE
 BRIDGE No. 04-0027

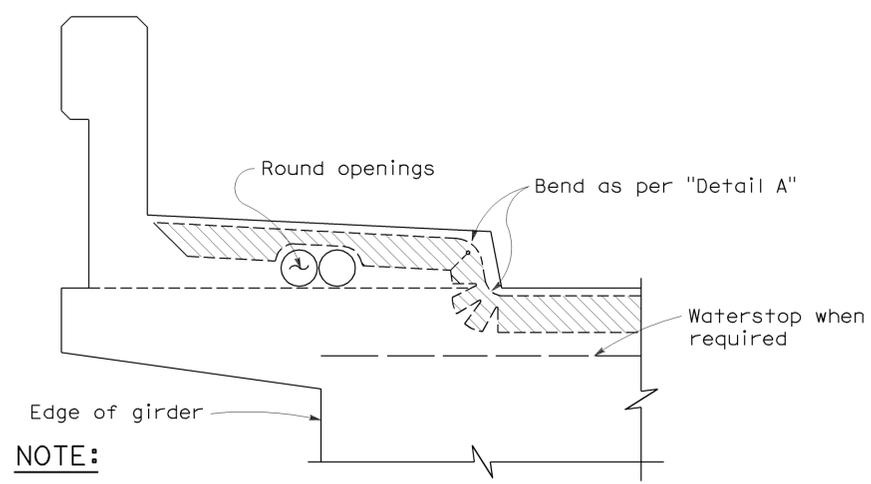


LOCATION 7
 SOUTH FORK TRINITY RIVER BRIDGE
 BRIDGE No. 04-0050

**CONSTRUCTION AREA SIGNS
 CS-2**

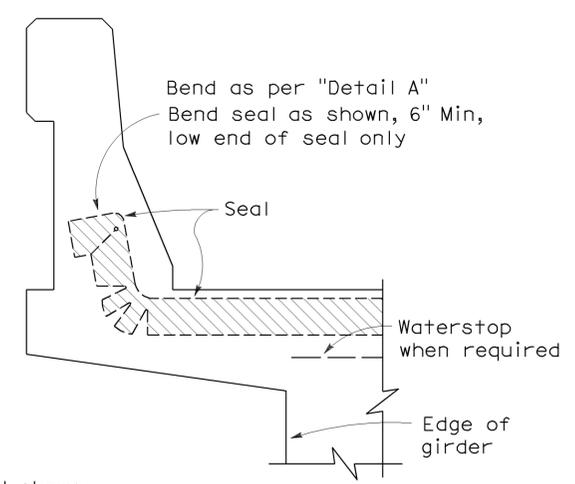
NO SCALE

To accompany plans dated January 19, 2010

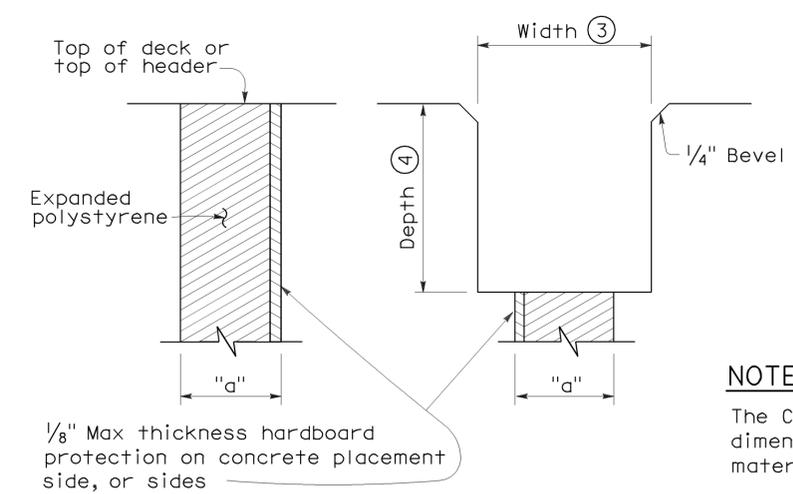


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



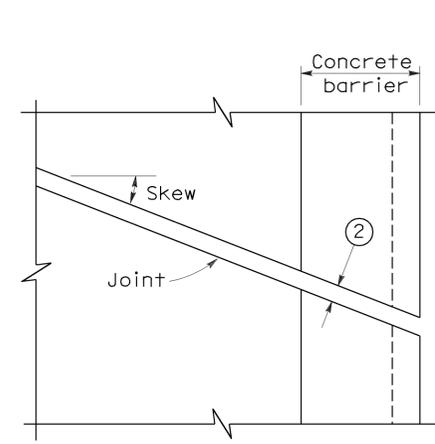
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

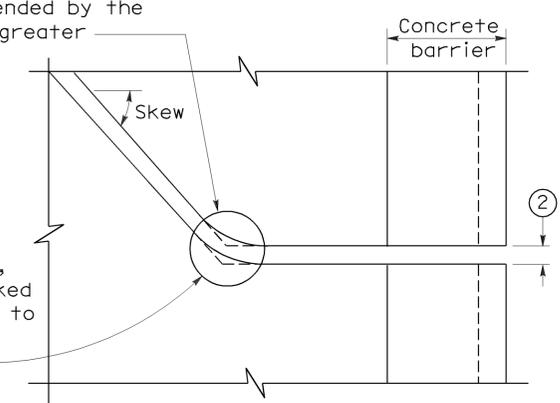
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



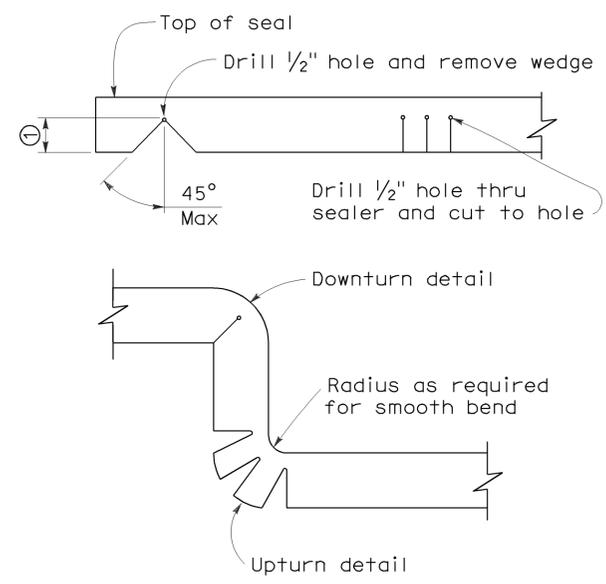
PLAN OF JOINT (SKEW ≤ 20°)

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



PLAN OF JOINT (SKEW > 20°)

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



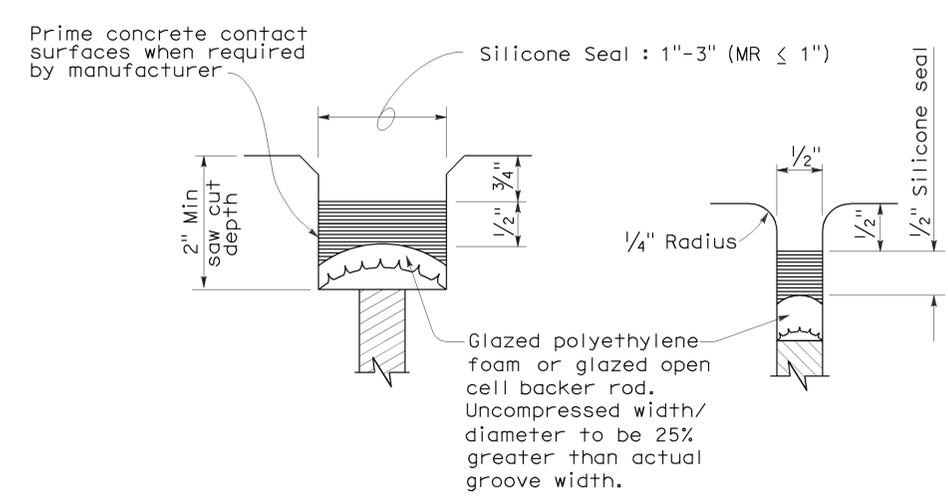
DETAIL A

- NOTES:**
- Make smooth cuts from the bottom of seal to 1/2" 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

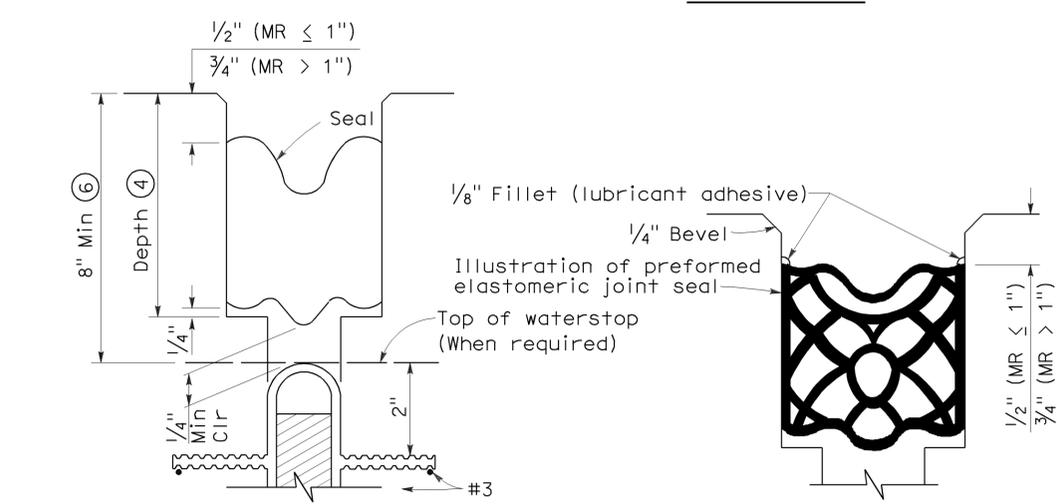


TYPE A SEAL

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.

REVISED STANDARD PLAN RSP B6-21

2006 REVISED STANDARD PLAN RSP B6-21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	DN, Hum	101, 299	Var	6	12

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

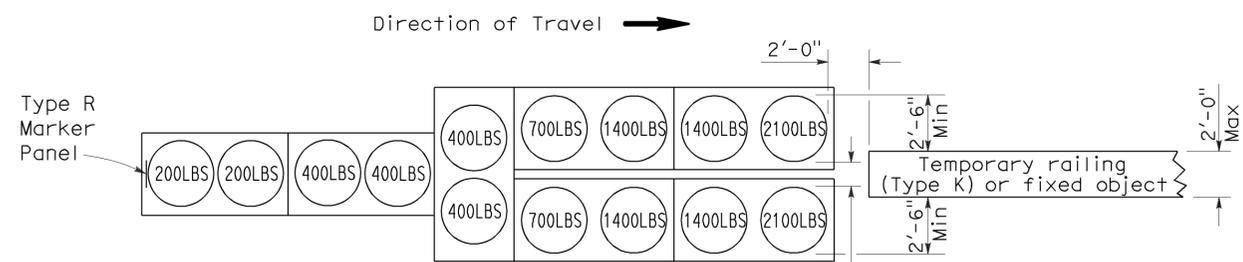
June 6, 2008
PLANS APPROVAL DATE

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

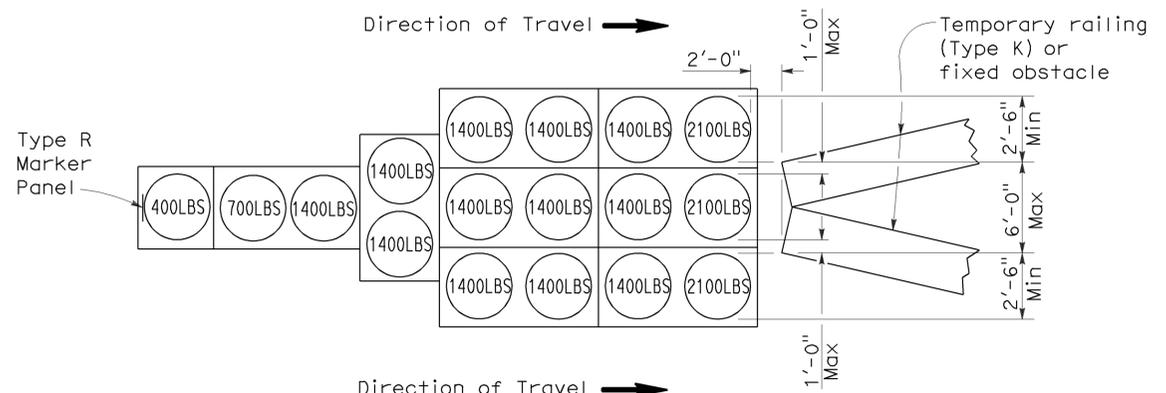
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated January 19, 2010

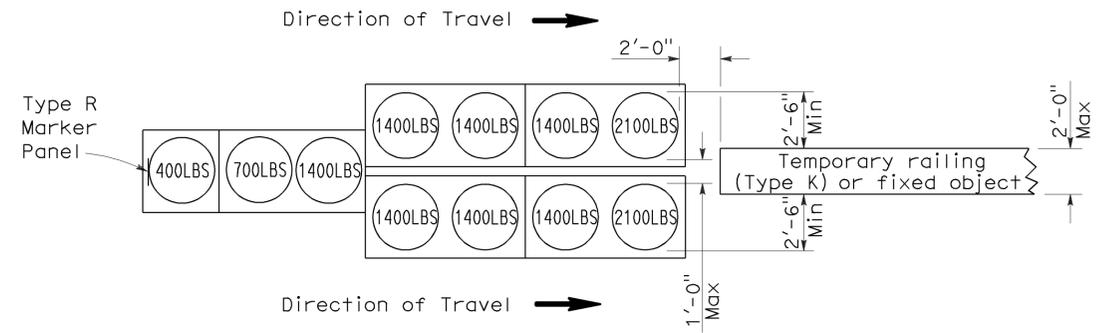
2006 REVISED STANDARD PLAN RSP T1A



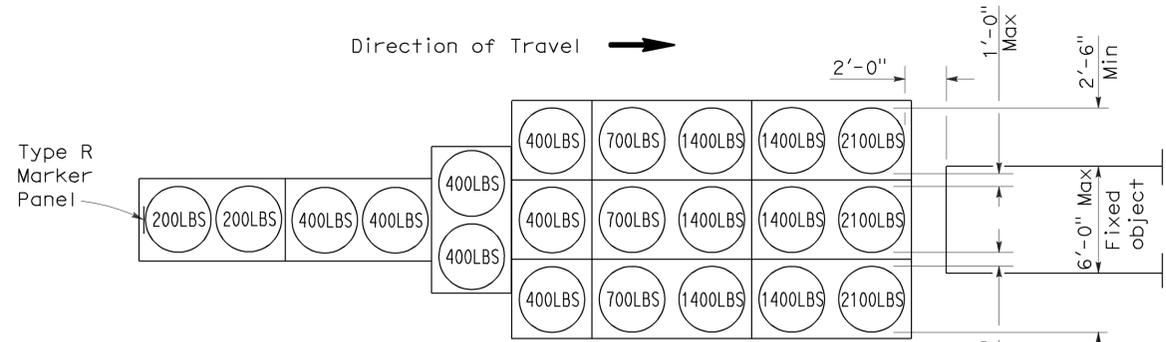
ARRAY 'TU14'
Approach speed 45 mph or more



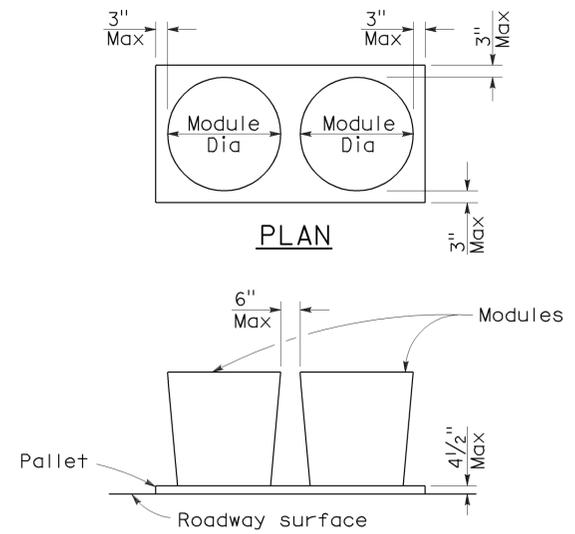
ARRAY 'TU17'
Approach speed less than 45 mph



ARRAY 'TU11'
Approach speed less than 45 mph



ARRAY 'TU21'
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 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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	DN, Hum	101, 299	Var	7	12

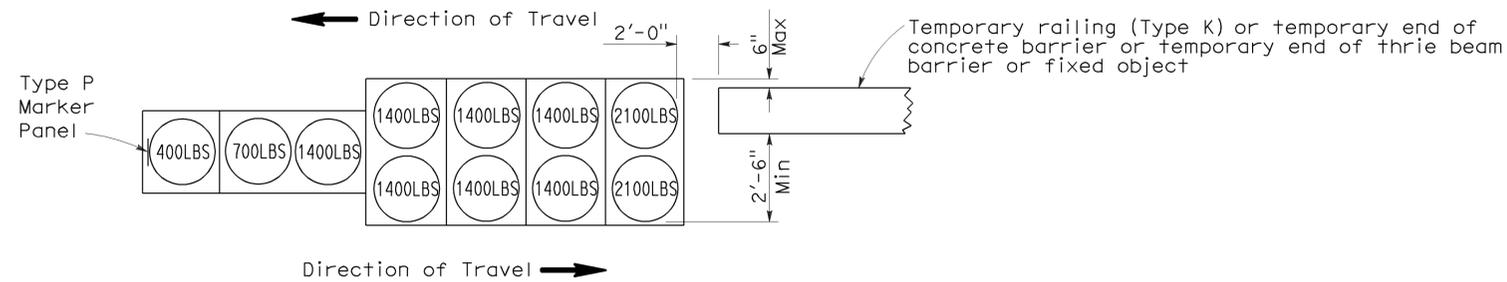
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

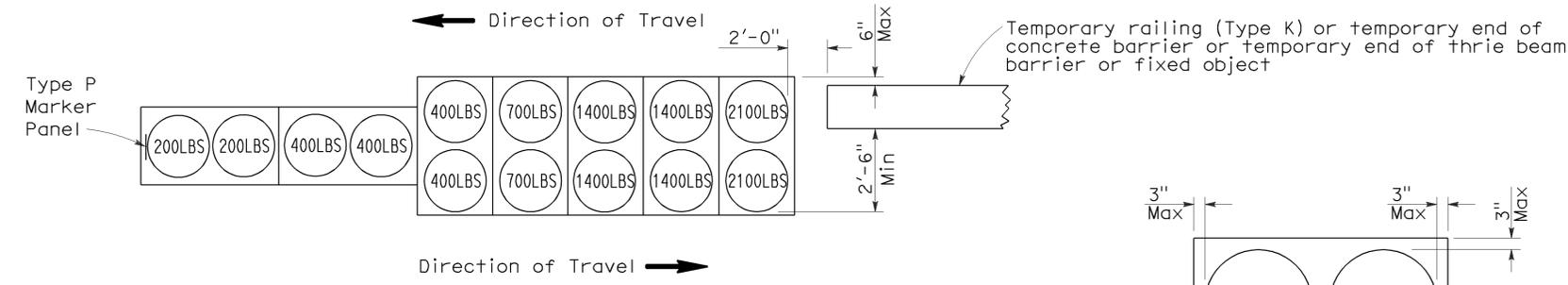
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated January 19, 2010



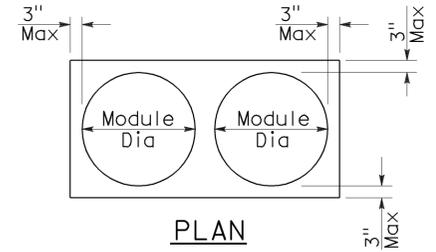
ARRAY 'TB11'

Approach speed less than 45 mph

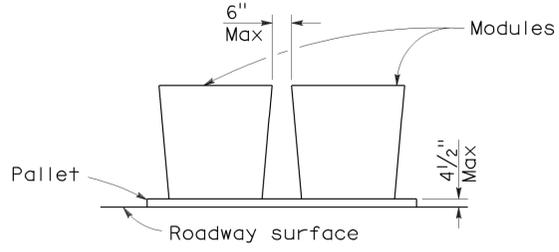


ARRAY 'TB14'

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	DN, Hum	101, 299	Var	8	12

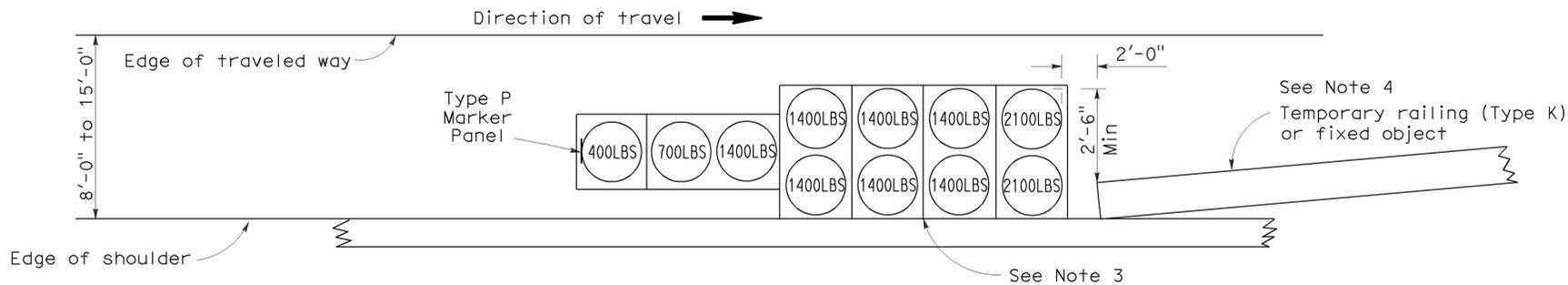
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

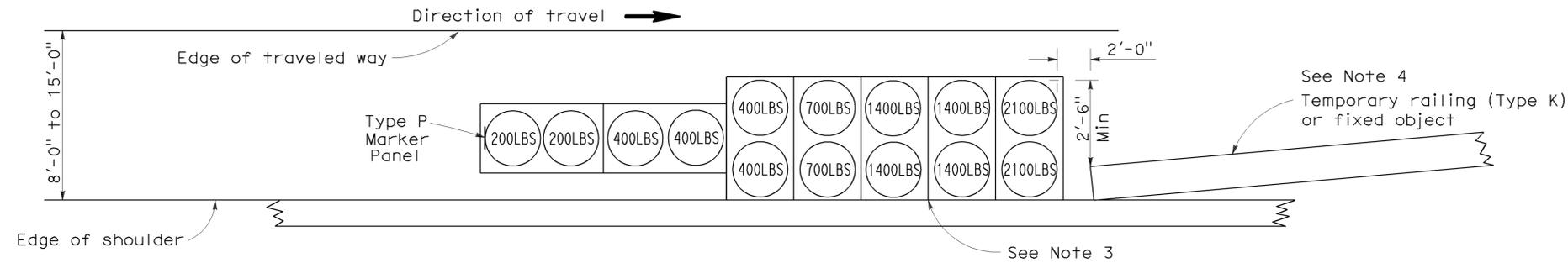
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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.

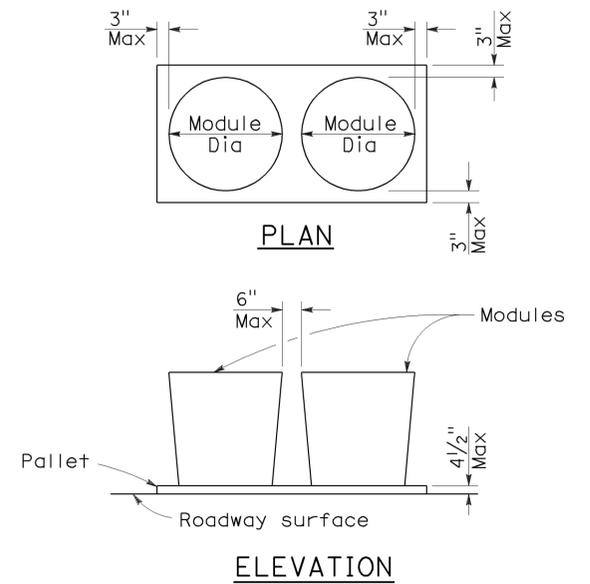
To accompany plans dated January 19, 2010



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:

- (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.
- All sand weights are nominal.
- 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.
- 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.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- 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.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**

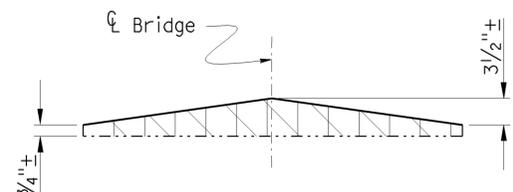
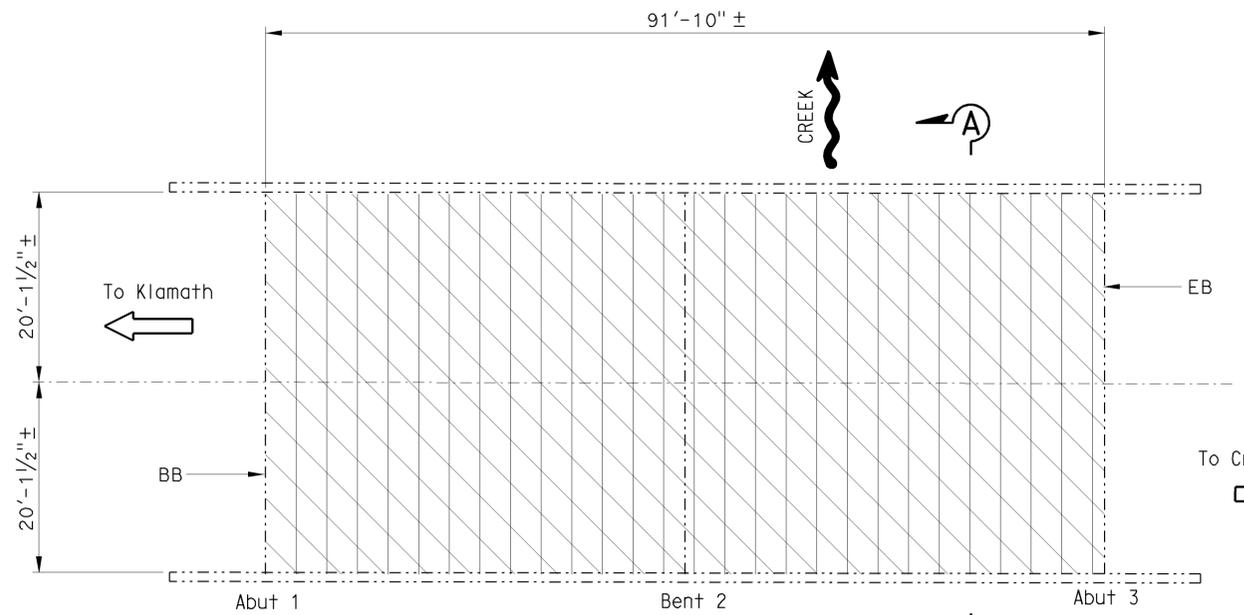
NO SCALE
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	DN, HUM	101, 299	Var	9	12

REGISTERED CIVIL ENGINEER DATE 9-21-09
 January 19, 2010
 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.



SECTION A-A
No Scale

- NOTES:
- Indicates existing.
 - Indicates limits of prepare concrete bridge deck surface, furnish and place new 3/4" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay remove unsound concrete and patch with rapid setting concrete as shown on the "DECK OVERLAY DETAILS".
 - Indicates limits of remove existing AC overlay.



HIGH PRAIRIE CREEK
Br No. 01-0004, DN, Route 101, PM 9.39
1"=10'

HIGH PRAIRIE CREEK QUANTITIES BR NO 01-0004

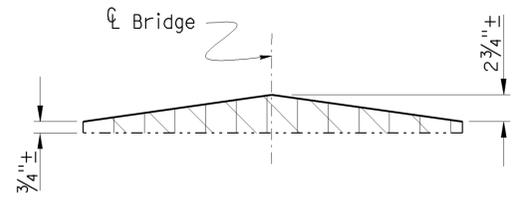
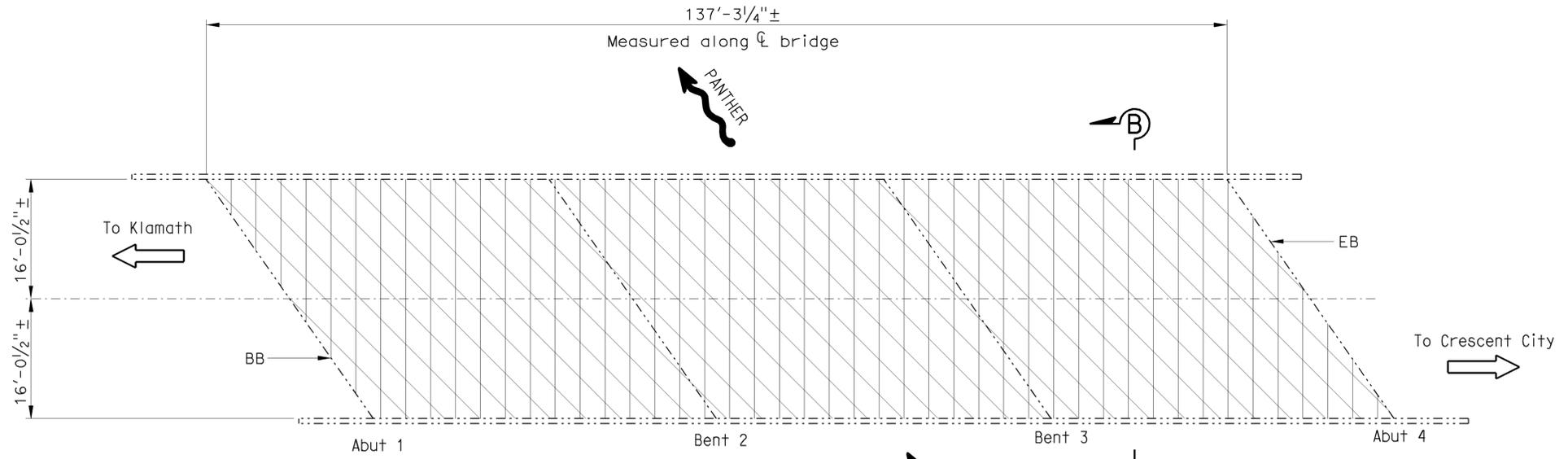
REMOVE ASPHALT CONCRETE SURFACING	3,696	SQFT
REMOVE UNSOUND CONCRETE	9	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	3,696	SQFT
RAPID SETTING CONCRETE (PATCH)	9	CF
FURNISH POLYESTER CONCRETE OVERLAY	924	CF
PLACE POLYESTER CONCRETE OVERLAY	3,696	SQFT

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	GENERAL PLAN NO. 3
4	JOINT SEAL DETAILS NO. 1

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")



SECTION B-B
No Scale

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



PANTHER CREEK
Br No. 01-0025, DN, Route 101, PM 8.34
1"=10'

PANTHER CREEK QUANTITIES BR NO 01-0025

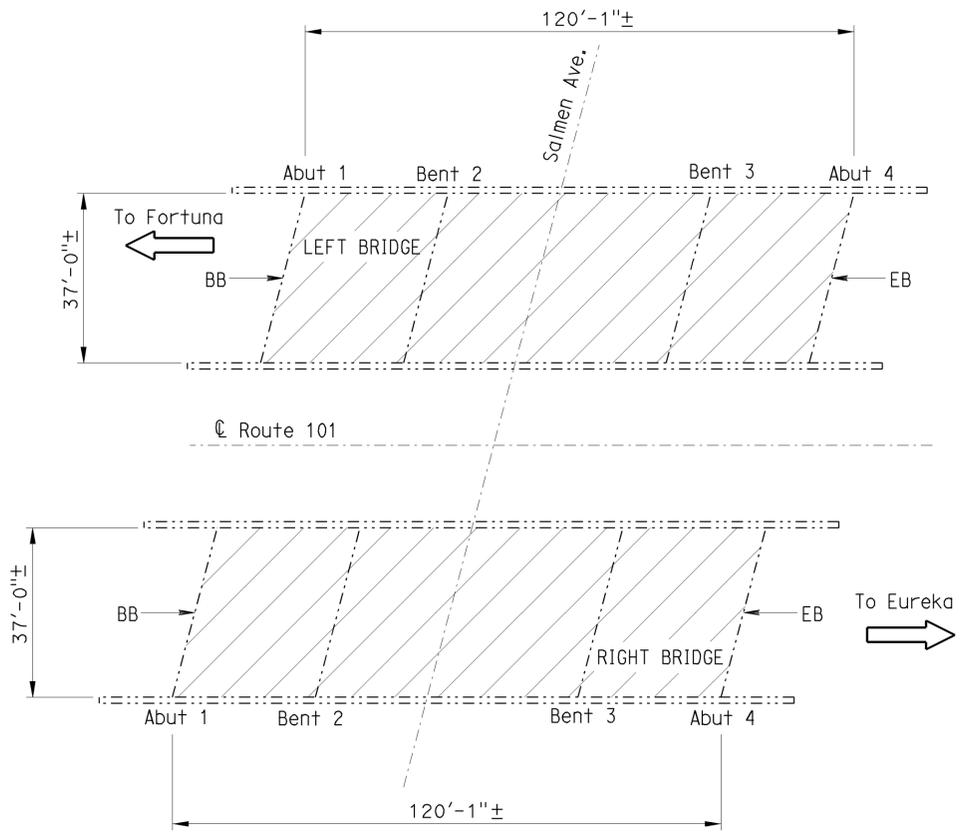
REMOVE ASPHALT CONCRETE SURFACING	4,406	SQFT
REMOVE UNSOUND CONCRETE	11	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	4,406	SQFT
RAPID SETTING CONCRETE (PATCH)	11	CF
FURNISH POLYESTER CONCRETE OVERLAY	938	CF
PLACE POLYESTER CONCRETE OVERLAY	4,406	SQFT

 DESIGN ENGINEER 9-10-09	DESIGN	BY P. Kang	CHECKED M. Furlong	LAYOUT	BY N. Kelley	CHECKED P. Kang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	Varies	ROUTE 101 & 299 BRIDGES GENERAL PLAN NO. 1
	DETAILS	BY N. Kelley	CHECKED M. Furlong	SPECIFICATIONS	BY Jim Corrado	CHECKED M. Furlong			POST MILE	Various	
	QUANTITIES	BY P. Kang	CHECKED M. Furlong	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 01601 EA 482801			REVISION DATES	1-17-08 5-14-08 5-19-08 5-23-08 5-28-08 6-24-08 4-15-09 10-08-09 10-27-09	

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/9/07)

FILE => 01_482801_ogp1.dgn

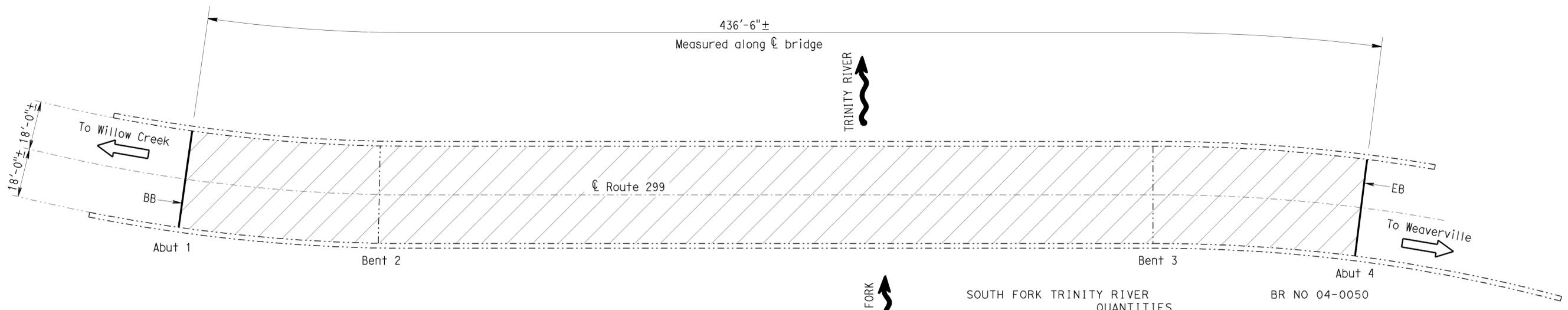
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	DN, HUM	101, 299	Var	10	12
 REGISTERED CIVIL ENGINEER DATE 9-21-09					
January 19, 2010 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					



- NOTES:
- Indicates existing.
 - Indicates location of existing joint seal removal and placement of new joint seal.
 -  Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment remove unsound concrete and patch with rapid setting concrete.

KING SALMON AVENUE UC
 Br No. 04-0067L/R, HUM, Route 101, PM 72.88
 1"=20'

KING SALMON AVENUE UC QUANTITIES		BR NO 04-0067L/R	
REMOVE UNSOUND CONCRETE	22	CF	
CLEAN BRIDGE DECK	8,887	SQFT	
RAPID SETTING CONCRETE (PATCH)	22	CF	
TREAT BRIDGE DECK	8,887	SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	99	GAL	



SOUTH FORK TRINITY RIVER BRIDGE
 Br No. 04-0050, HUM, Route 299, PM 42.95
 1"=20'

SOUTH FORK TRINITY RIVER QUANTITIES		BR NO 04-0050	
REMOVE UNSOUND CONCRETE	39	CF	
CLEAN BRIDGE DECK	15,714	SQFT	
CLEAN EXPANSION JOINT	72	LF	
RAPID SETTING CONCRETE (PATCH)	39	CF	
JOINT SEAL (MR 2")	72	LF	
TREAT BRIDGE DECK	15,714	SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	175	GAL	

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

 DESIGN ENGINEER 9-10-09	DESIGN	BY P. Kang	CHECKED M. Furlong	LAYOUT	BY N. Kelley	CHECKED P. Kang
	DETAILS	BY N. Kelley	CHECKED M. Furlong	SPECIFICATIONS	BY Jim Corrado	PLANS AND SPECIFICATIONS COMPARED M. Furlong
	QUANTITIES	BY P. Kang	CHECKED M. Furlong			

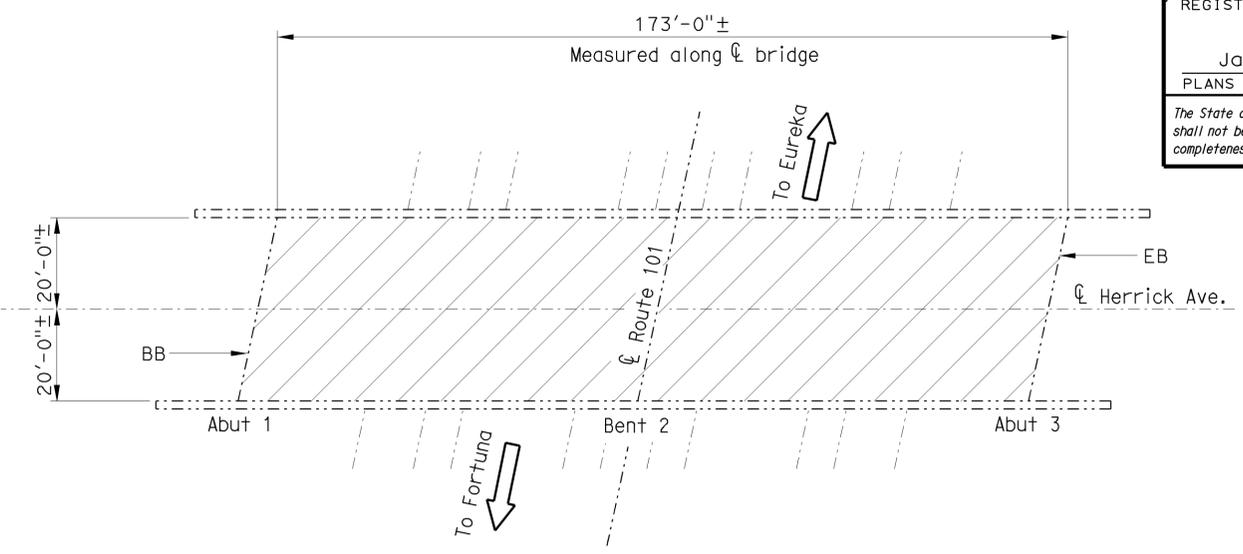
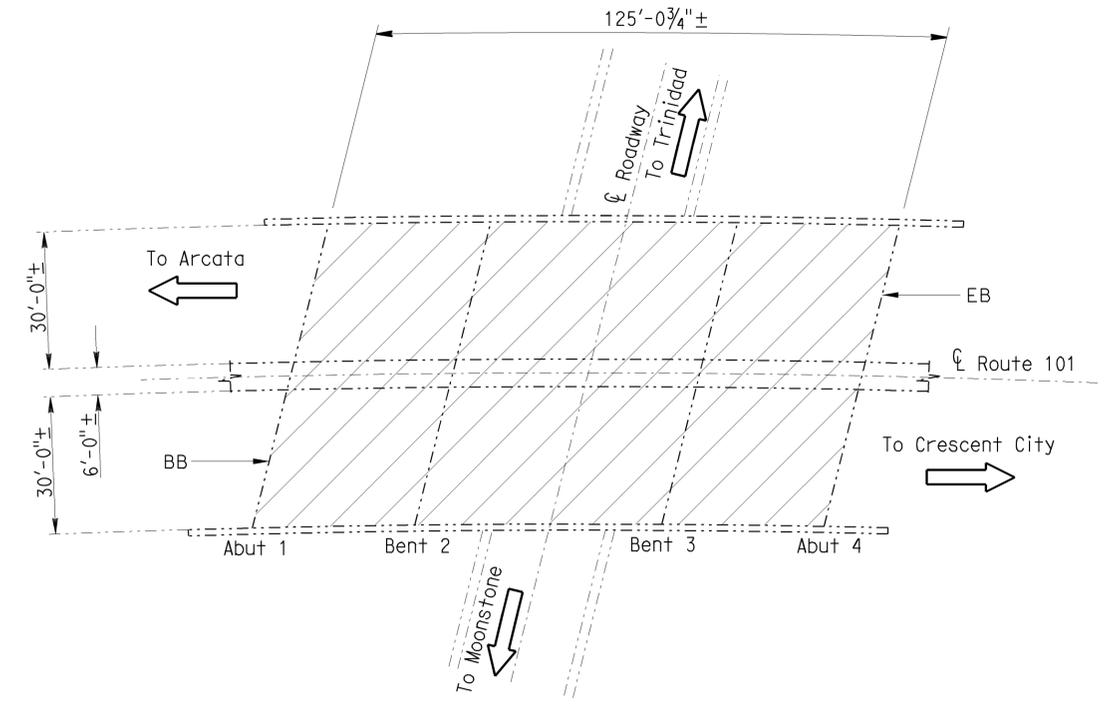
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

ROUTE 101 & 299 BRIDGES
GENERAL PLAN NO. 2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	DN, HUM	101, 299	Var	11	12

REGISTERED CIVIL ENGINEER DATE 9-21-09
 January 19, 2010
 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
 MARTIN B. FURLONG
 No. C70764
 Exp. 06-30-11
 CIVIL
 STATE OF CALIFORNIA



TRINIDAD ROAD UC
 Br No. 04-0058, HUM, Route 101, PM 100.71
 1"=20'

HERRICK AVENUE OC
 Br No. 04-0280, HUM, Route 101, PM 74.11
 1"=20'

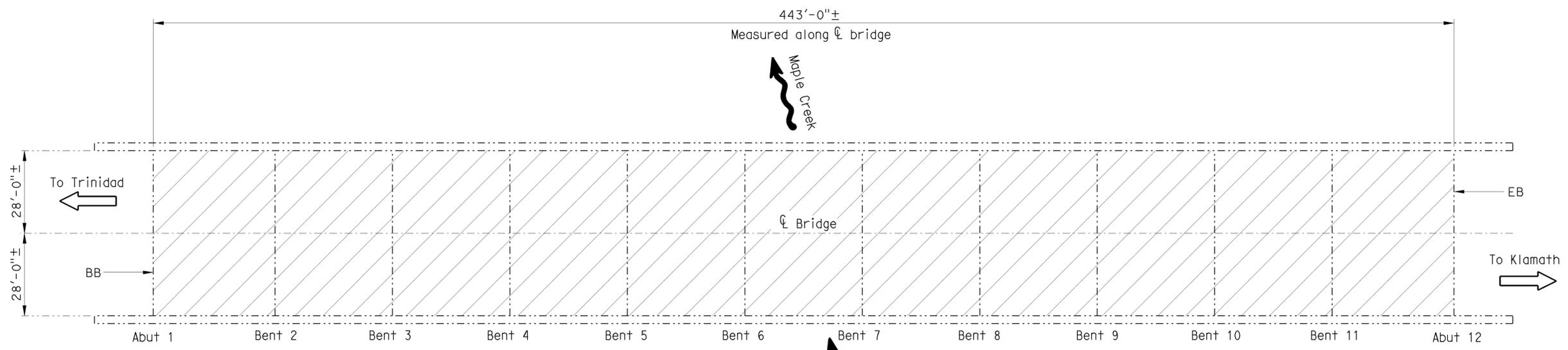
NOTES:
 ----- Indicates existing.
 Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment remove unsound concrete and patch with rapid setting concrete.

TRINIDAD ROAD UC QUANTITIES BR NO 04-0058

REMOVE UNSOUND CONCRETE	21	CF
CLEAN BRIDGE DECK	8,254	SQFT
RAPID SETTING CONCRETE (PATCH)	21	CF
TREAT BRIDGE DECK	8,254	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	92	GAL

HERRICK AVENUE OC QUANTITIES BR NO 04-0280

REMOVE UNSOUND CONCRETE	17	CF
CLEAN BRIDGE DECK	6,920	SQFT
RAPID SETTING CONCRETE (PATCH)	17	CF
TREAT BRIDGE DECK	6,920	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	77	GAL



BIG LAGOON
 Br No. 04-0027, HUM, Route 101, PM 109.17
 1"=20'

BIG LAGOON QUANTITIES BR NO 04-0027

REMOVE UNSOUND CONCRETE	62	CF
CLEAN BRIDGE DECK	24,808	SQFT
RAPID SETTING CONCRETE (PATCH)	62	CF
TREAT BRIDGE DECK	24,808	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	276	GAL

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

 DESIGN ENGINEER 9-10-09	DESIGN	BY P. Kang	CHECKED M. Furlong	LAYOUT	BY N. Kelley	CHECKED P. Kang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 101 & 299 BRIDGES	
	DETAILS	BY N. Kelley	CHECKED M. Furlong	SPECIFICATIONS	BY Jim Corrado	CHECKED M. Furlong			Varies	GENERAL PLAN NO. 3	
	QUANTITIES	BY P. Kang	CHECKED M. Furlong						Various		

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/9/07) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 01601	DISREGARD PRINTS BEARING EARLIER REVISION DATES	1-17-08	5-14-08	5-28-08	4-18-09	9-18-09	10-08-09	10-27-09	SHEET 3 OF 4
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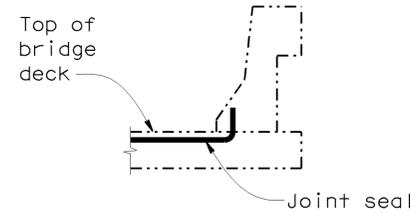
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	DN, HUM	101, 299	Var	12	12

REGISTERED CIVIL ENGINEER
 DATE 9-21-09
 January 19, 2010
 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
 MARTIN B. FURLONG
 No. C70764
 Exp. 06-30-11
 CIVIL
 STATE OF CALIFORNIA

JOINT SEAL TABLE							
BRIDGE NUMBER	BRIDGE NAME	LOCATION		MINIMUM "MR" (in)	APPROXIMATE LENGTH (ft)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (in)
04-0050	SOUTH FORK TRINITY RIVER	Abut 1	BW	2	36	No	12
		Abut 4	BW	2	36	No	12



BARRIER RAIL

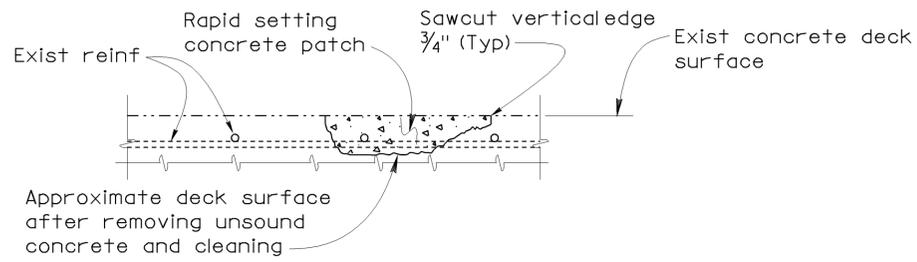
JOINT SEAL AT LOW SIDE OF DECK

Notes: Details shown for illustration purposes only.
 For use only where deck joint matches the sidewalk, curb or barrier rail joint.

- The following notes apply to JOINT SEAL TYPE B:
- 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 

LEGEND:
 BW - Abutment Backwall Joint

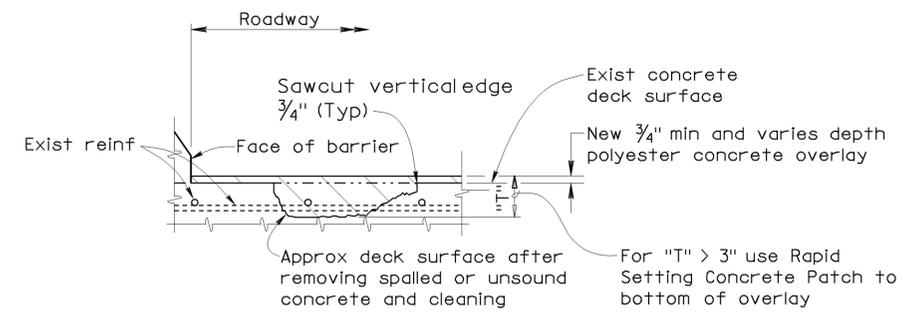
DECK REPAIR TABLE			
BRIDGE NUMBER	BRIDGE NAME	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
01-0004	HIPRAIRIE CREEK	1	3
01-0025	PANTHER CREEK	1	3
04-0067L	KING SALMON AVENUE UC	1	3
04-0067R	KING SALMON AVENUE UC	1	3
04-0050	SOUTH FORK TRINITY RIVER	1	3
04-0058	TRINIDAD ROAD UC	1	3
04-0280	HERRICK AVENUE OC	1	3
04-0027	BIG LAGOON	1	3



DECK REPAIR DETAIL

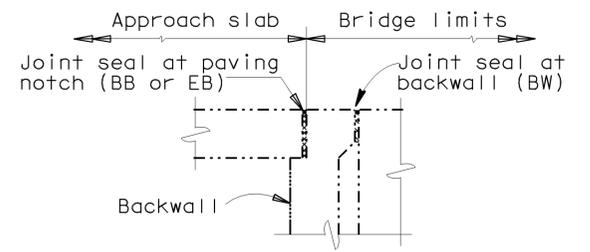
Note: Reinforcement may be encountered during deck concrete removal.

NOTE:
 Location of repair to be determined by the Engineer.



DECK OVERLAY DETAIL

Note: Reinforcement may be encountered during deck concrete removal.



ABUTMENT WITH BACKWALL

JOINT SEAL LOCATION

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

INCOMPLETE PLAN FOR DESIGN STUDY PRINTED
 DATE: 27-OCT-2009
 TIME: 15:55
 Structure Maintenance and Investigations
 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

NO SCALE

DESIGN BY P. Kang	CHECKED M. Furlong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies	ROUTE 101 & 299 BRIDGES JOINT SEAL DETAILS
DETAILS BY N. Kelley	CHECKED M. Furlong		POST MILE Varies		
QUANTITIES BY P. Kang	CHECKED M. Furlong		REVISION DATES		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	CU 01601 EA 482801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET 4 OF 4