

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION AREA SIGN
3-5	TRAFFIC HANDLING PLAN AND QUANTITIES
6-9	REVISED STANDARD PLANS

STRUCTURE PLANS

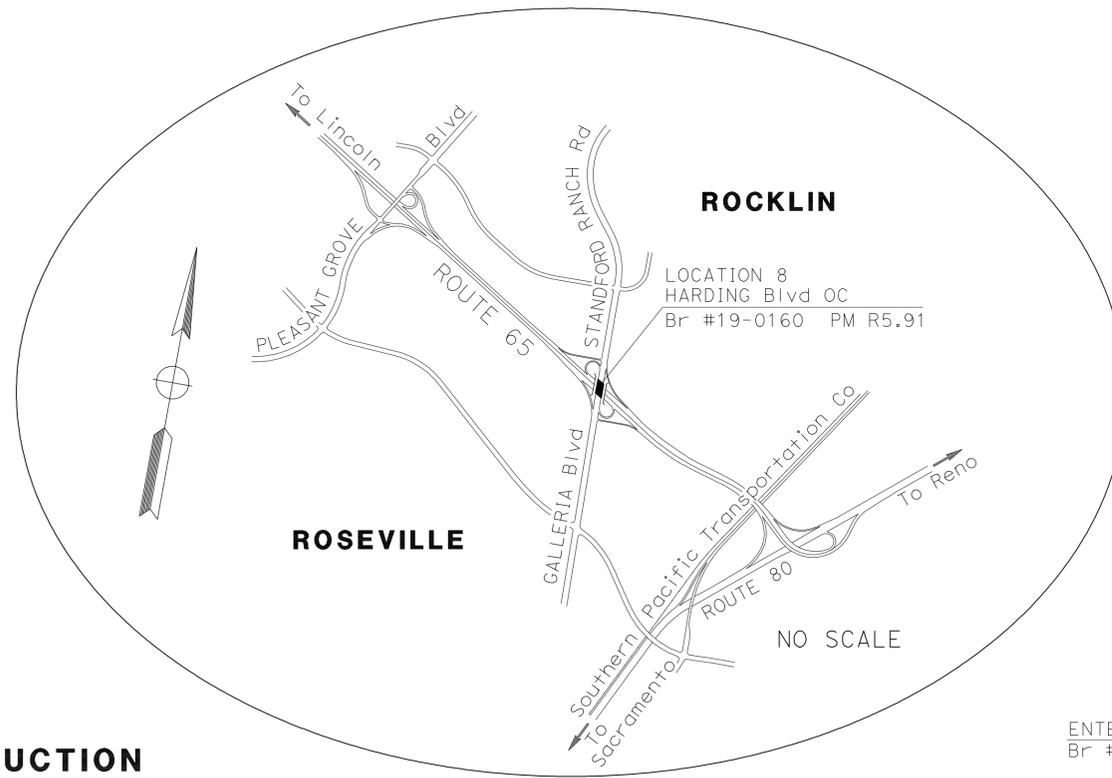
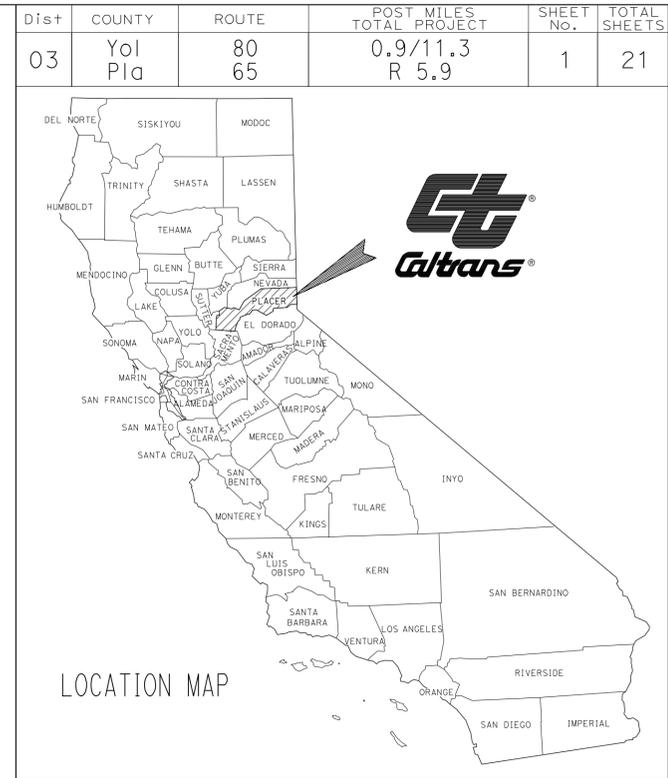
10-21 ROUTE 65 AND 80 BRIDGES

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

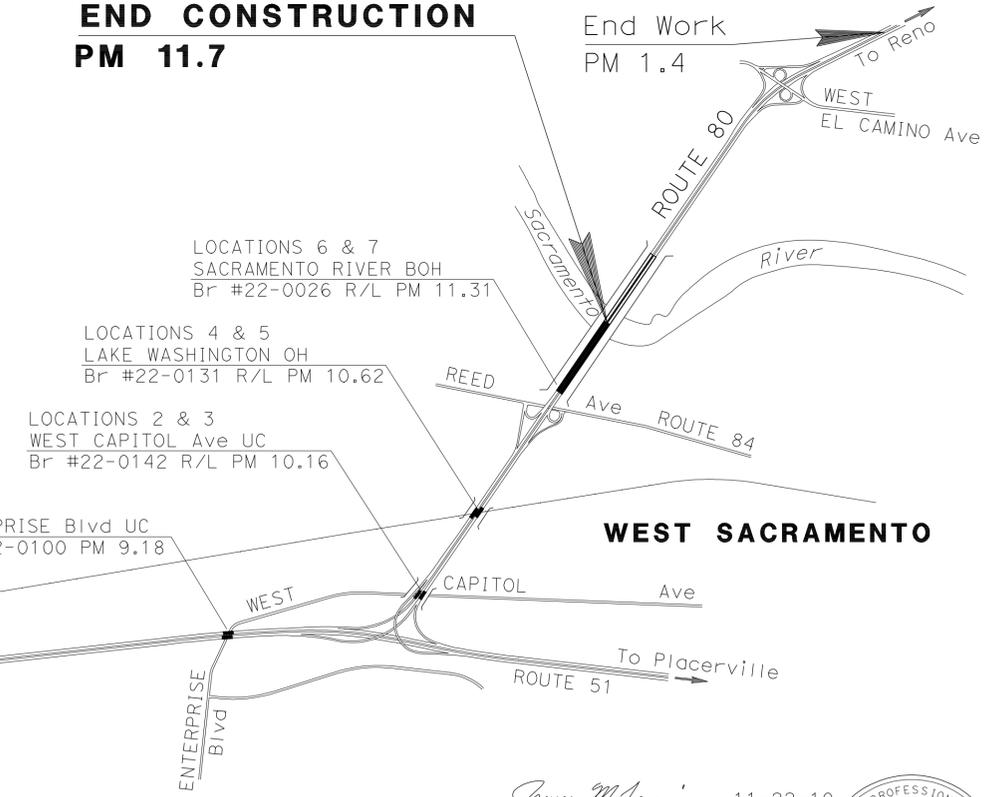
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN YOLO AND PLACER COUNTIES ON ROUTE 80
AT VARIOUS LOCATIONS AND
ON ROUTE 65 AT HARDING BOULEVARD OVERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

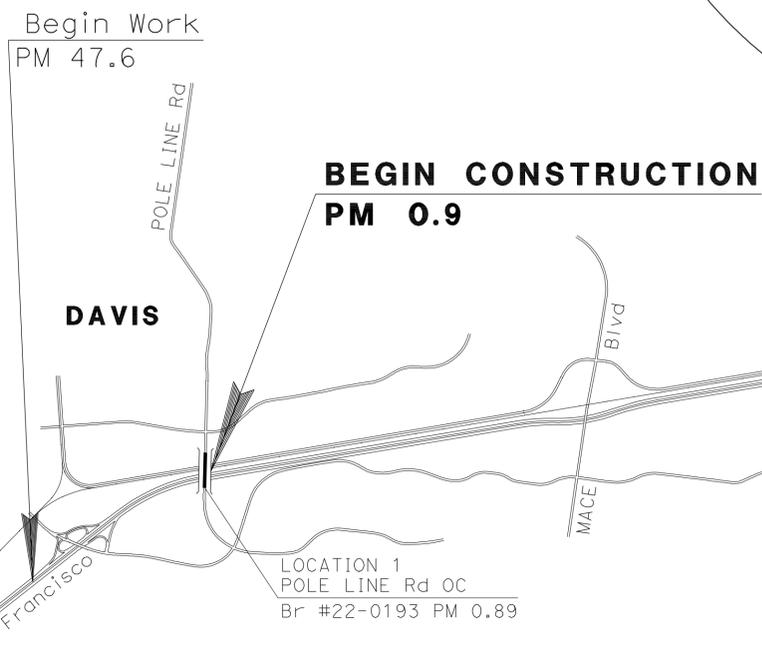


END CONSTRUCTION
PM 11.7



PROJECT MANAGER
BRIAN TOEFFER

DESIGN ENGINEER
JIM FERREIRA



James M. Ferreira 11-22-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

JANUARY 10, 2011
PLANS APPROVAL DATE

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yol Pla	80 65	0.9/11.3 R 5.9	4	21

James M. Ferreira 11-22-10
 REGISTERED CIVIL ENGINEER DATE

1-10-11
 PLANS APPROVAL DATE

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 COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE
 FUNCTIONAL SUPERVISOR
 BRIAN TOEPFER
 CALCULATED, DESIGNED BY
 CHECKED BY
 JIM FERREIRA
 BRIAN TOEPFER
 REVISED BY
 DATE REVISED

TEMPORARY RAILING (TYPE K)

EB/WB	PM	TEMPORARY RAILING (TYPE K)
		(LF)
EB	11.57 TO 11.83	1,400
WB	11.57 TO 11.83	1,400
TOTAL		2,800

ALTERNATE TEMPORARY CRASH CUSHION

EB/WB	PM	ALTERNATE TEMPORARY CRASH CUSHION
		EA
EB	11.57	1
WB	11.83	1
TOTAL		2

CHANNELIZERS

EB/WB	PM	CHANNELIZERS
		EA
EB	11.57	16
WB	11.83	16
TOTAL		32

**TRAFFIC HANDLING QUANTITIES
THQ-1**

LAST REVISION | DATE PLOTTED => 13-JAN-2011
 07-19-10 | TIME PLOTTED => 11:09

THERMOPLASTIC TRAFFIC STRIPE

LOCATION	4" THERMOPLASTIC TRAFFIC STRIPE		4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36 - 12)	6" THERMOPLASTIC TRAFFIC STRIPE	8" THERMOPLASTIC TRAFFIC STRIPE	
	DETAIL NUMBER		DETAIL NUMBER	DETAIL NUMBER	DETAIL NUMBER	
	25 (LF)	27B (LF)	12 (LF)	39 (LF)	36A (LF)	38 (LF)
1				1,620		
2	168	168	336			
3	168	232	280		61	
4	174	174	348			
5	174	174	348			
8		622				161
SUBTOTAL	684	1,370	1,312	1,620	61	161
TOTAL	2,054		1,312	1,620	222	

REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)

LOCATION	DESCRIPTION
	EDGE LINE (LF)
2	168
3	168
4	174
5	174
8	
TOTAL	684

REMOVE PAVEMENT MARKER (N)

LOCATION	DETAIL NUMBER	REMOVE PAVEMENT MARKER (EACH)
2	12,25	13
3	12,25,36A	16
4	12,25	14
5	12,25	14
8	10,30,38	463
TOTAL		520

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

THERMOPLASTIC PAVEMENT MARKING

LOCATION NUMBER	TYPE III ARROW SQFT	TYPE VI ARROW SQFT
2		42
8	84	42
SUBTOTAL	84	84
TOTAL	168	

REMOVE THERMOPLASTIC PAVEMENT MARKING

LOCATION NUMBER	TYPE III ARROW SQFT	TYPE VI ARROW SQFT
2		42
8	84	42
SUBTOTAL	84	84
TOTAL	168	

REMOVE TRAFFIC STRIPE

LOCATION	DESCRIPTION				
	EDGE LINE (LF)	LANE LINE (LF)	6" BIKE LANE LINE (LF)	8" CHANNELIZING LINE (LF)	8" MERGE LINE (LF)
1			2,430		
2	168	84			
3	232	72			122
4	174	84			
5	174	84			
8	622			322	
SUBTOTAL	1,370	324	2,430	322	122
TOTAL	4,568				

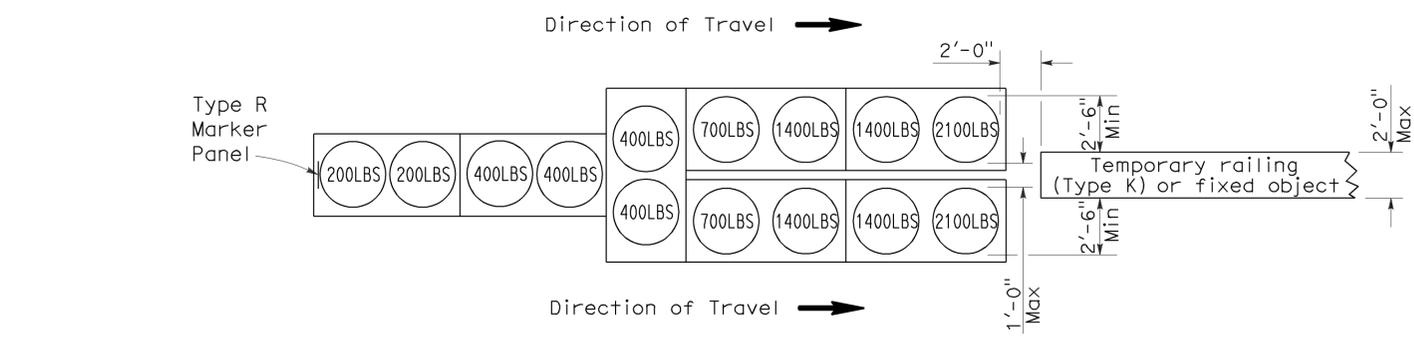
PAVEMENT MARKER

LOCATION	DETAIL NUMBER	RETROREFLECTIVE			NON-REFLECTIVE	
		TYPE D (EACH)	TYPE G (EACH)	TYPE H (EACH)	TYPE A (EACH)	TYPE AY (EACH)
2	12,25		8	5		
3	12,25,36A		11	5		
4	12,25		9	5		
5	12,25		9	5		
8	10,30,38	54	29		120	260
SUBTOTAL		54	66	20	120	260
TOTAL		140			380	

PAVEMENT DELINEATION QUANTITIES

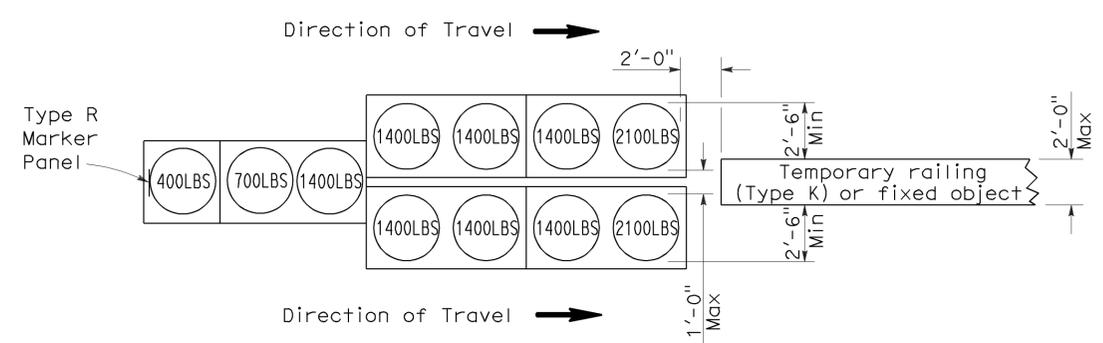
PDQ-1

To accompany plans dated 1-10-11



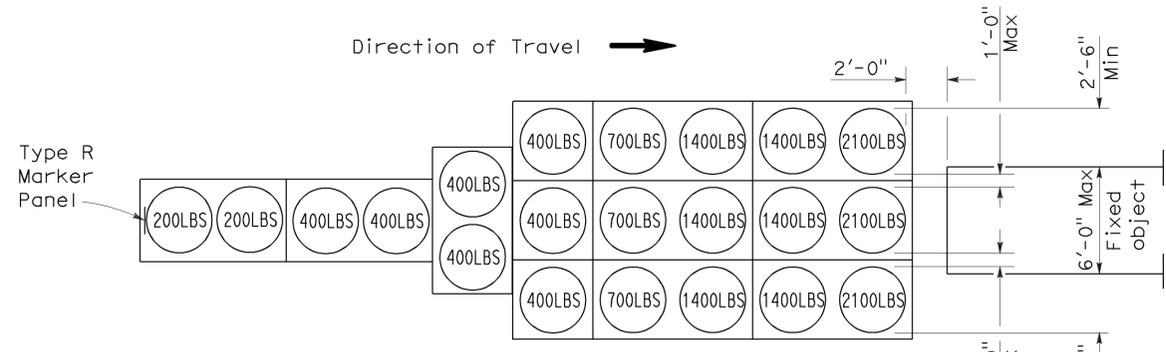
ARRAY 'TU14'

Approach speed 45 mph or more



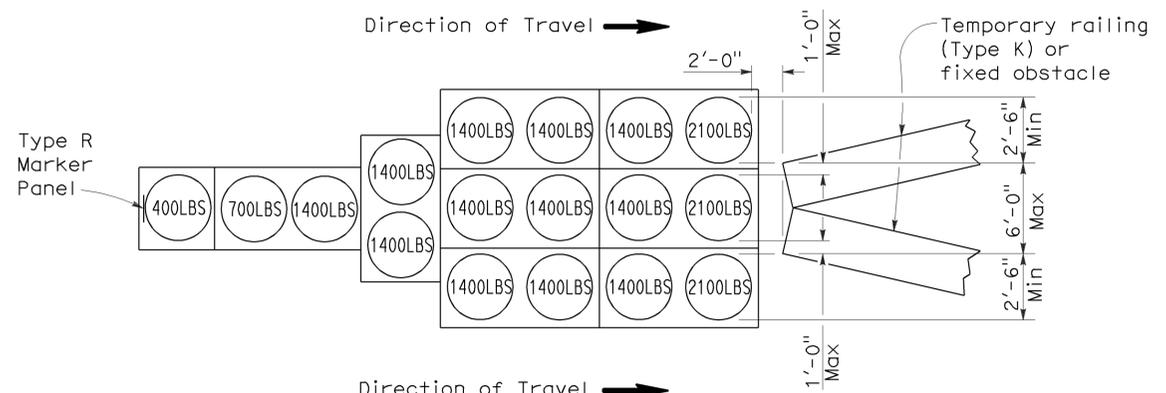
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more

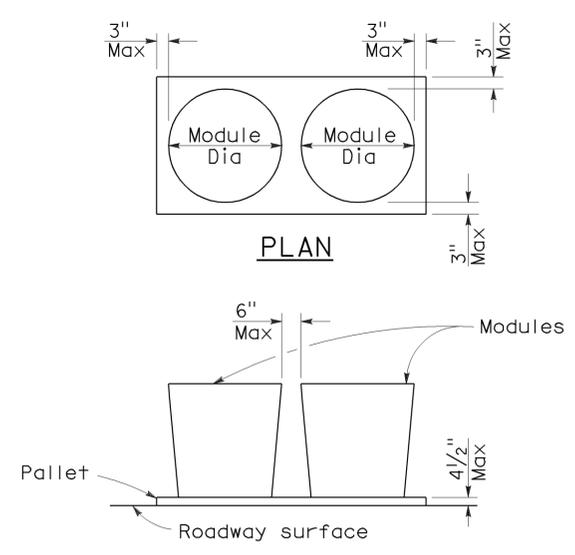


ARRAY 'TU17'

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.

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	YOLO	80 65	0.9/11.3 R5.9	7	21

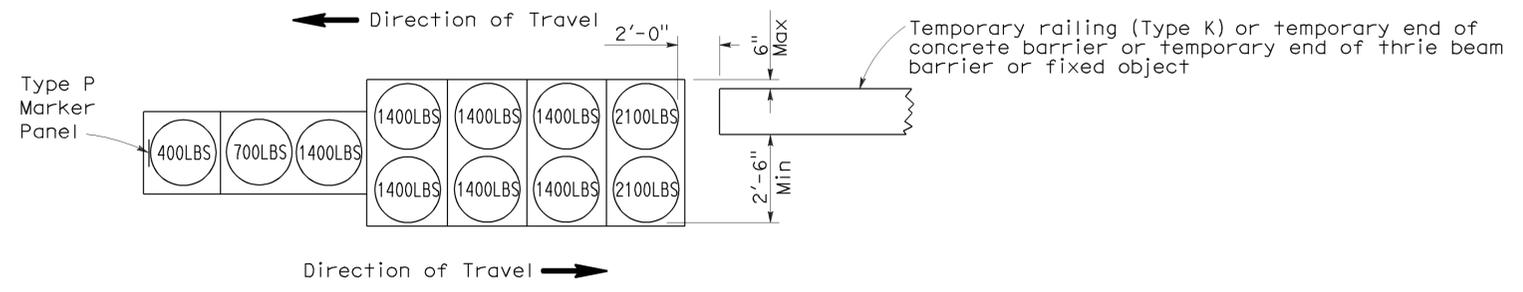
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

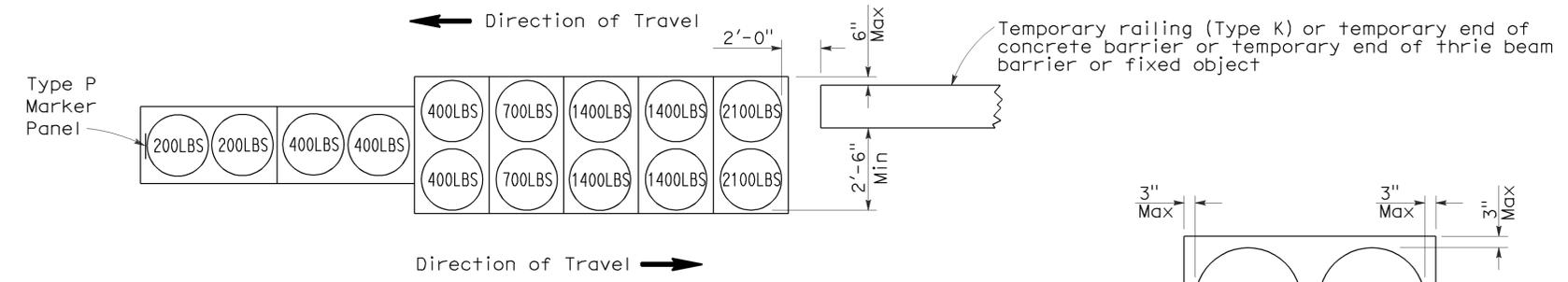
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Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

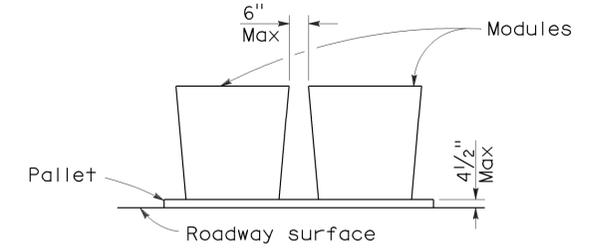
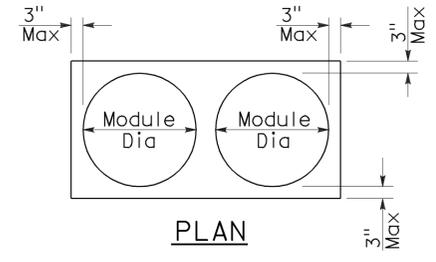
To accompany plans dated 1-10-11



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

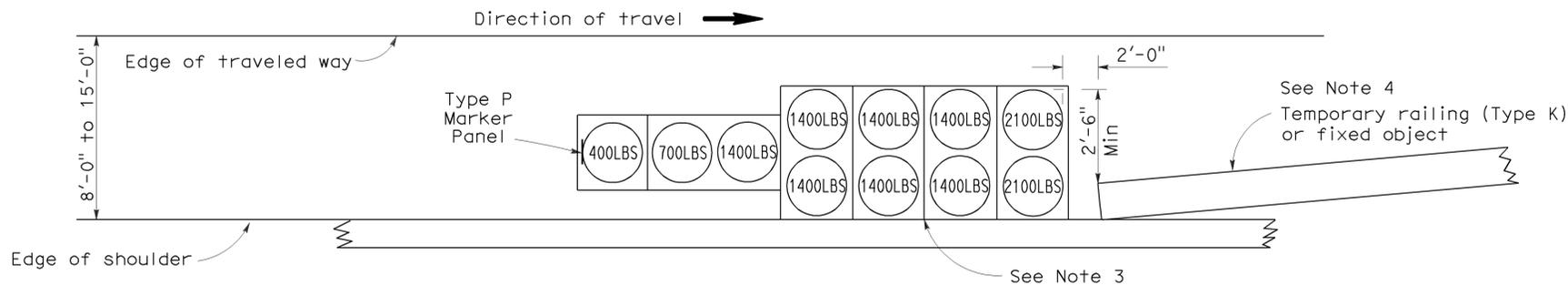
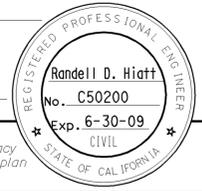
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	YOLO	80 PTd 65	0.9/11.3 R5.9	8	21

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

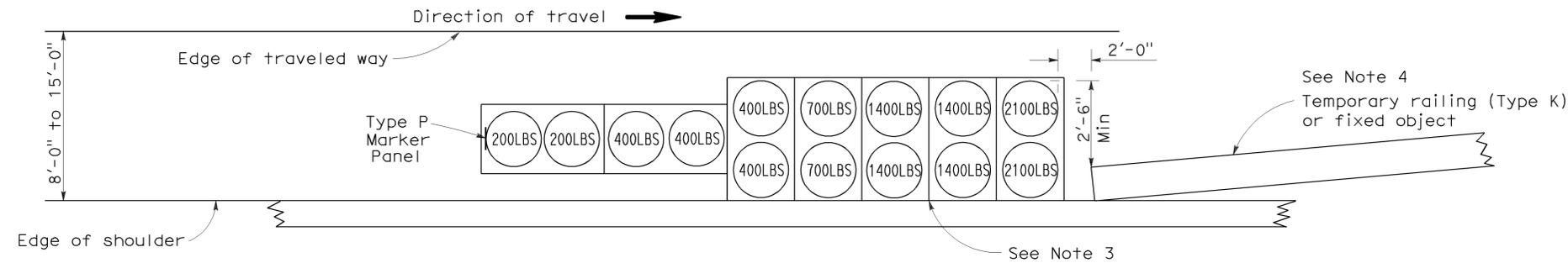
June 6, 2008
PLANS APPROVAL DATE

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.

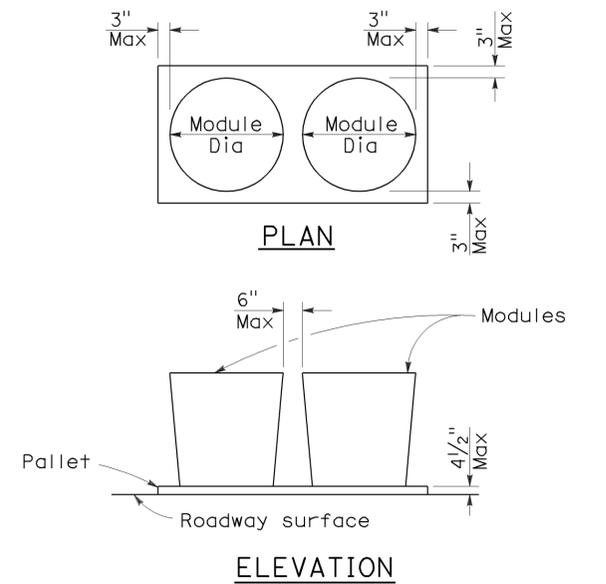
To accompany plans dated 1-10-11



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.

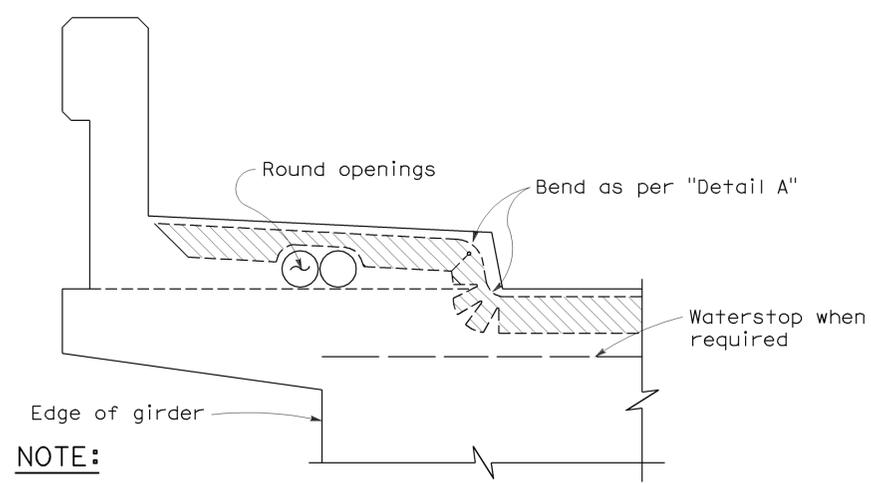
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**
NO SCALE

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

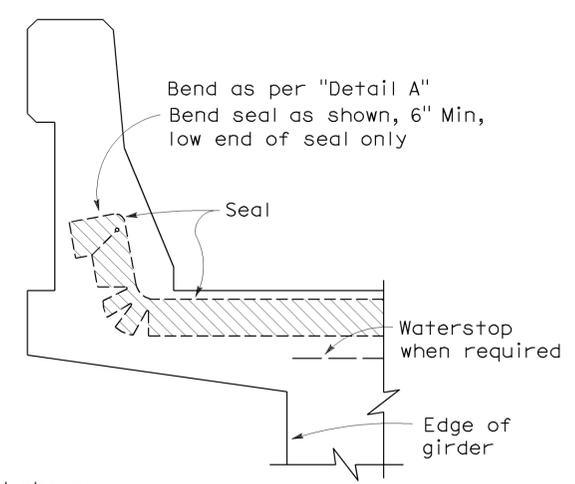
2006 REVISED STANDARD PLAN RSP T2

To accompany plans dated 1-10-11

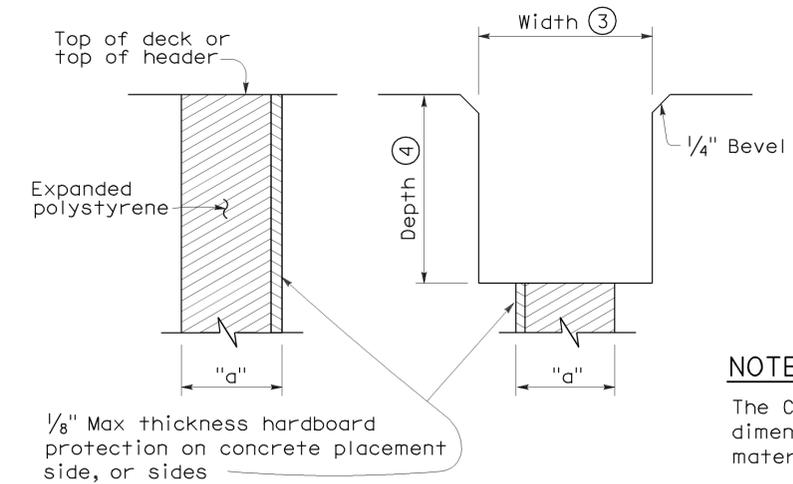


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



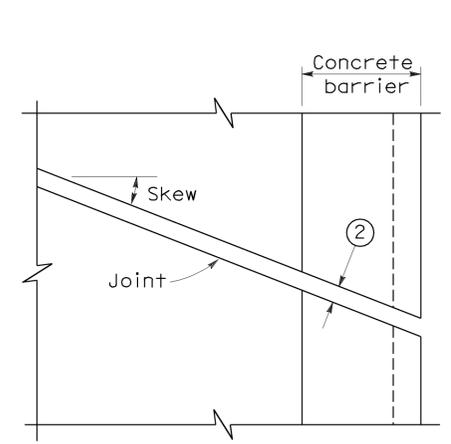
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

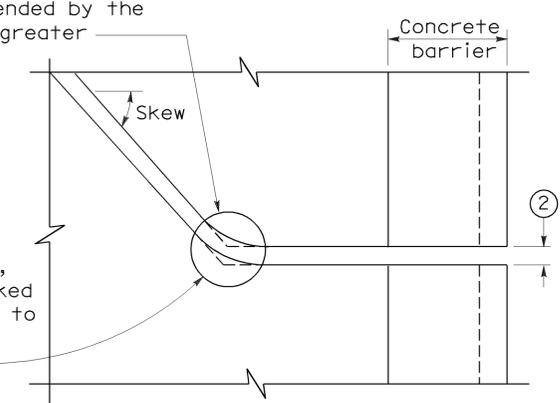
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



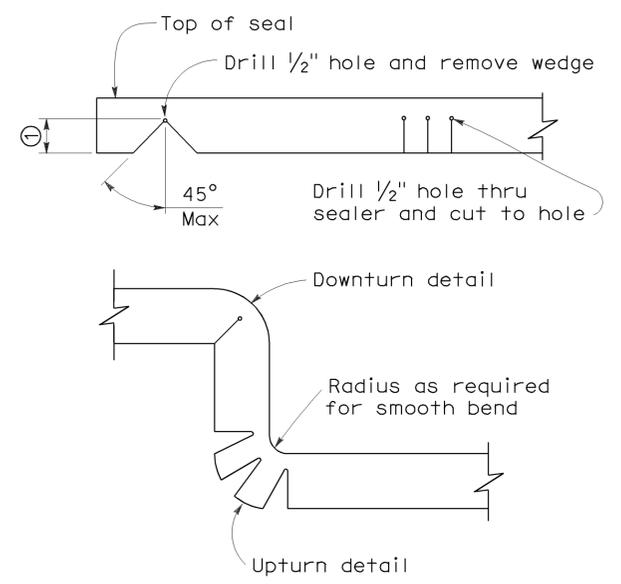
PLAN OF JOINT (SKEW ≤ 20°)

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



PLAN OF JOINT (SKEW > 20°)

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



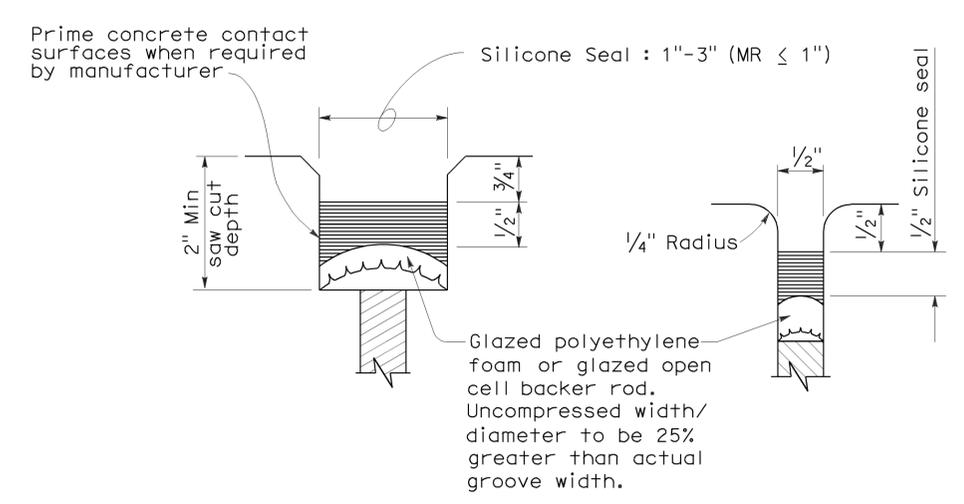
DETAIL A

NOTES:

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

DIMENSIONS "a" OF JOINT REQUIRED

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

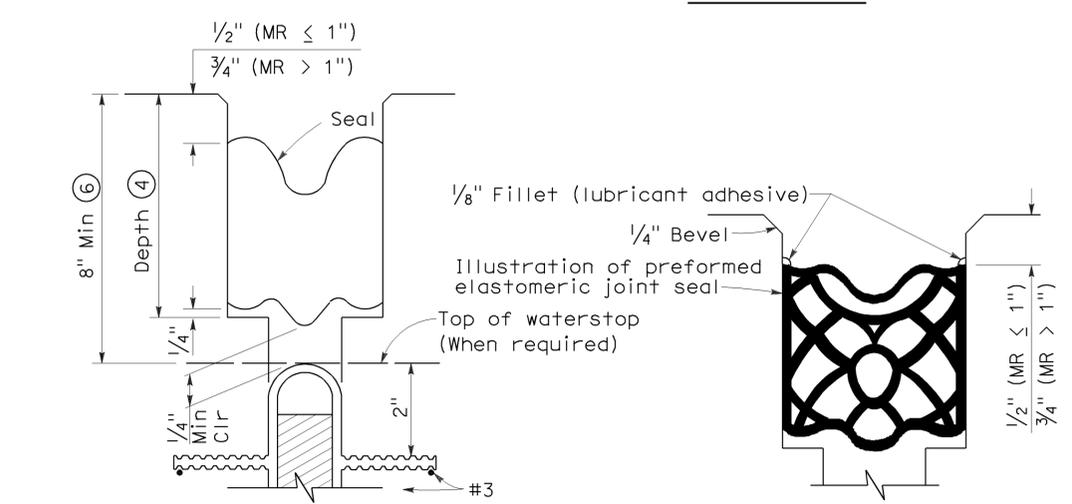


TYPE A SEAL

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"

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla, Yol	65, 80	0.9/11.3 R 5.9	10	21
Heidi Kuntz			11-17-10	REGISTERED CIVIL ENGINEER DATE	
01-10-11			PLANS APPROVAL DATE		
Heidi Kuntz No. C 62489 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA					
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NOTES: (APPLY TO ALL SHEETS)

----- Indicates existing.

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

STANDARD PLANS DATED MAY 2006

SHEET NO.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)

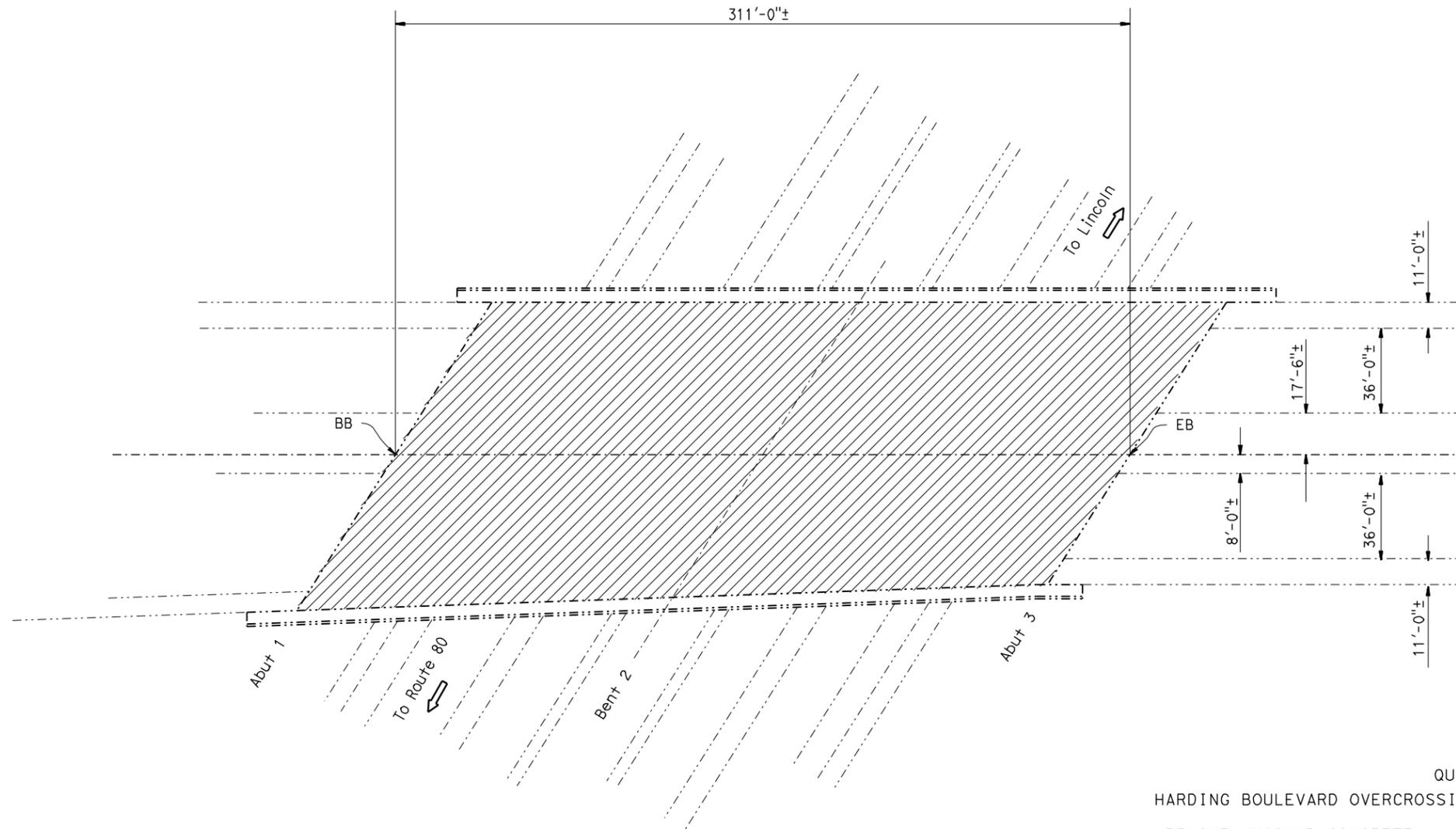
NOTES: (APPLY TO THIS SHEET ONLY)



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 as shown on the "DECK REPAIR DETAIL" - on JOINT SEAL DETAILS NO. 2 sheet.

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	GENERAL PLAN NO. 5
6	DRAINAGE DETAILS NO. 1
7	DRAINAGE DETAILS NO. 2
8	DRAINAGE DETAILS NO. 3
9	DRAINAGE DETAILS NO. 4
10	DRAINAGE DETAILS NO. 5
11	JOINT SEAL DETAILS NO. 1
12	JOINT SEAL DETAILS NO. 2



QUANTITIES

HARDING BOULEVARD OVERCROSSING BRIDGE NO. 19-0160

REMOVE UNSOUND CONCRETE	98	CF
CLEAN BRIDGE DECK	39,112	SQFT
RAPID SETTING CONCRETE (PATCH)	98	CF
TREAT BRIDGE DECK	39,112	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	435	GAL
PUBLIC SAFETY PLAN		LUMP SUM



HARDING BOULEVARD OVERCROSSING

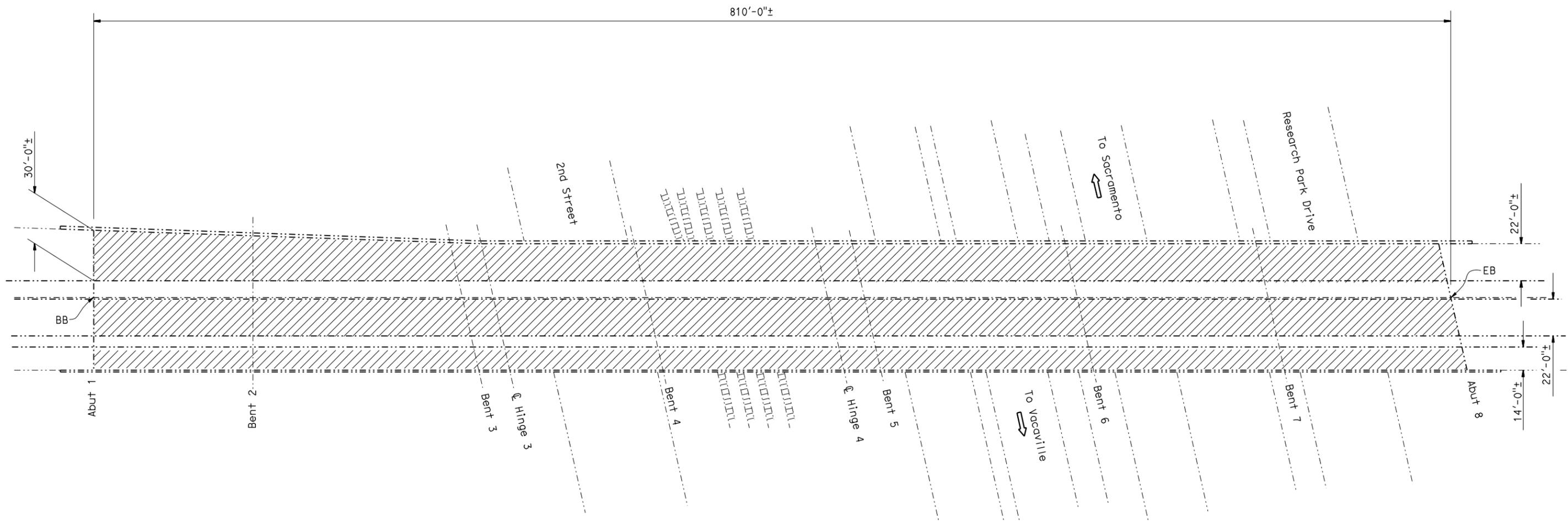
Br No. 19-0160, ROUTE 65, PM R5.91
1" = 30'

 DESIGN ENGINEER 11-17-10	DESIGN	BY H. Kuntz	CHECKED D. Floyd	LAYOUT	BY David Kish	CHECKED D. Floyd	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTES 65 & 80 BRIDGES GENERAL PLAN NO. 1		
	DETAILS	BY David Kish	CHECKED D. Floyd	SPECIFICATIONS	BY Sirisha Nelapatia	CHECKED Sirisha Nelapatia			VARIOUS			
	QUANTITIES	BY H. Kuntz	CHECKED D. Floyd					POST MILE				
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 03600 EA 3M7401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 1 OF 12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla, Yol	65, 80	0.9/11.3 R 5.9	11	21
			REGISTERED CIVIL ENGINEER	DATE	
			Heidi Kuntz	11-17-10	
			PLANS APPROVAL DATE		
			01-10-11		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

NOTES: (APPLY TO THIS SHEET ONLY)

 Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment remove unsound concrete and patch with rapid setting concrete as shown on the "DECK REPAIR DETAIL" - on JOINT SEAL DETAILS NO. 2 sheet.



POLE LINE ROAD OVERCROSSING

Br No. 22-0193, ROUTE 80, PM 0.89
1" = 30'

POLE LINE ROAD OVERCROSSING

BRIDGE NO. 22-0193

QUANTITIES	
REMOVE UNSOUND CONCRETE	120 CF
CLEAN BRIDGE DECK	47,860 SQFT
RAPID SETTING CONCRETE (PATCH)	120 CF
TREAT BRIDGE DECK	47,860 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	532 GAL
PUBLIC SAFETY PLAN	LUMP SUM

Matthew Collee
DESIGN ENGINEER
11-17-10

DESIGN	BY H. Kuntz	CHECKED D. Floyd
DETAILS	BY David Kish	CHECKED D. Floyd
QUANTITIES	BY H. Kuntz	CHECKED D. Floyd

LAYOUT	BY David Kish	CHECKED D. Floyd
SPECIFICATIONS	BY Sirisha Nelapatia	PLANS AND SPECIFICATIONS COMPARED Sirisha Nelapatia

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTES 65 & 80 BRIDGES
GENERAL PLAN NO. 2

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 03600
EA 3M7401

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	4-15-10	8-24-10	11-09-10						
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SHEET 2 OF 12

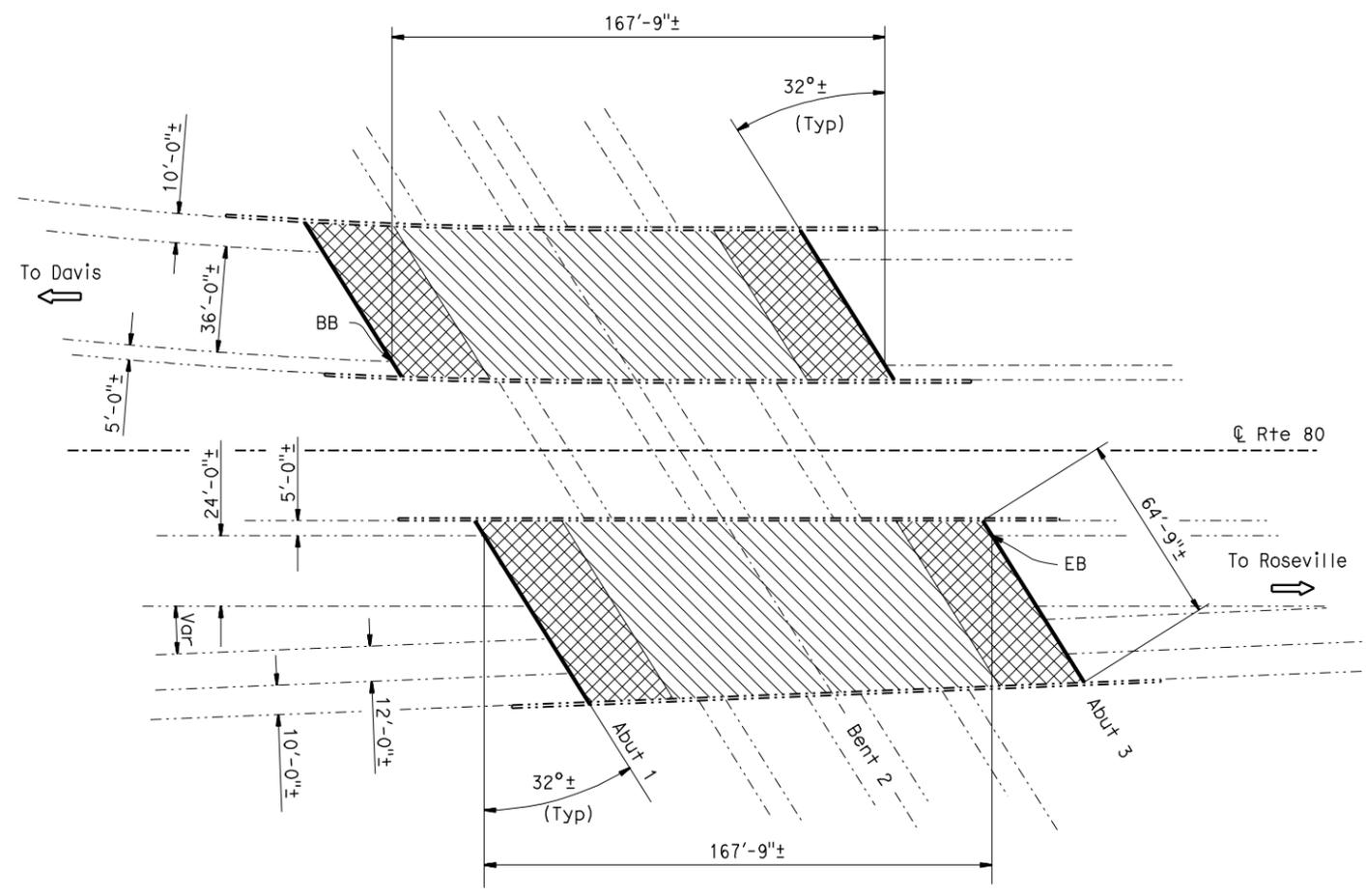
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USERNAME => s116982 DATE PLOTTED => 12-JAN-2011 TIME PLOTTED => 14:21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla, Yol	65, 80	0.9/11.3 R 5.9	12	21

Heidi Kuntz 11-17-10
 REGISTERED CIVIL ENGINEER DATE
 01-10-11
 PLANS APPROVAL DATE
 Heidi Kuntz
 No. C 62489
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

NOTES: (APPLY TO THIS SHEET ONLY)

-  Indicates limits of remove AC Surfacing prepare 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 DETAIL".- on JOINT SEAL DETAILS NO. 2 sheet.
-  Indicates limits of concrete taper grind prior to placing new polyester concrete overlay. see "POLYESTER CONCRETE TAPER DETAIL" on "GENERAL PLAN NO. 4" sheet.
-  Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.



QUANTITIES

WEST CAPITAL AVENUE UNDERCROSSING		BRIDGE NO. 22-0142L/R	
REMOVE ASPHALT CONCRETE SURFACING	3,355	SQFT	
REMOVE CONCRETE DECK SURFACE	5,300	SQFT	
REMOVE UNSOUND CONCRETE	240	CF	
PREPARE CONCRETE BRIDGE DECK SURFACE	18,452	SQFT	
CLEAN EXPANSION JOINT	268	LF	
RAPID SETTING CONCRETE (PATCH)	240	CF	
FURNISH POLYESTER CONCRETE OVERLAY	1,384	CF	
PLACE POLYESTER CONCRETE OVERLAY	18,452	SQFT	
JOINT SEAL (MR 1")	268	LF	
PUBLIC SAFETY PLAN		LUMP SUM	

WEST CAPITAL AVENUE UNDERCROSSING

Br No. 22-0142L/R, ROUTE 80, PM R10.16
1" = 30'


 11-17-10
 DESIGN ENGINEER

DESIGN	BY H. Kuntz	CHECKED D. Floyd	LAYOUT	BY David Kish	CHECKED D. Floyd
DETAILS	BY David Kish	CHECKED D. Floyd	SPECIFICATIONS	BY Sirisha Nelapatla	PLANS AND SPECIFICATIONS COMPARED Sirisha Nelapatla
QUANTITIES	BY H. Kuntz	CHECKED D. Floyd			

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
 POST MILE VARIES

ROUTES 65 & 80 BRIDGES
 GENERAL PLAN NO. 3

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 03600
EA 3M7401

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
4-15-10 6-17-10 6-28-10 8-24-10 11-09-10	3	12

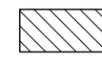
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USERNAME => s116982 DATE PLOTTED => 12-JAN-2011 TIME PLOTTED => 14:21

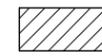
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Pla, Yo	65, 80	0.9/11.3 R 5.9	13	21

Heidi Kuntz 11-17-10
 REGISTERED CIVIL ENGINEER DATE
 01-10-11
 PLANS APPROVAL DATE
 Heidi Kuntz
 No. C 62489
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA
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NOTES: (APPLY TO THIS SHEET ONLY)



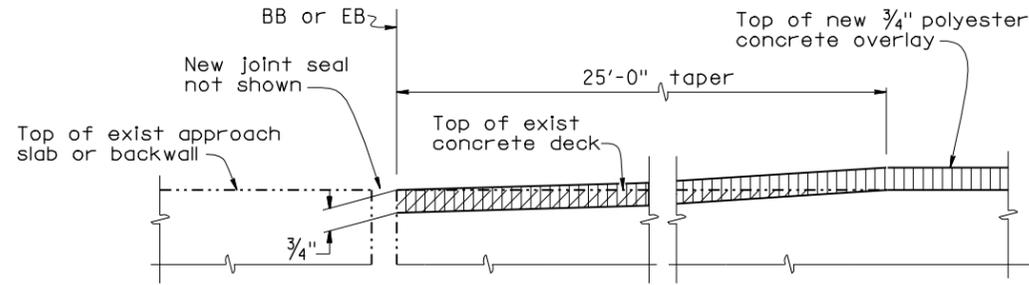
Indicates limits of remove AC Surfacing prepare bridge deck surface, furnish and place new 3/4" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay remove unsound concrete and patch with rapid setting concrete as shown on the "DECK OVERLAY DETAIL".- on JOINT SEAL DETAILS NO.2 sheet.



Indicates limits of concrete taper grind prior to placing new polyester concrete overlay.

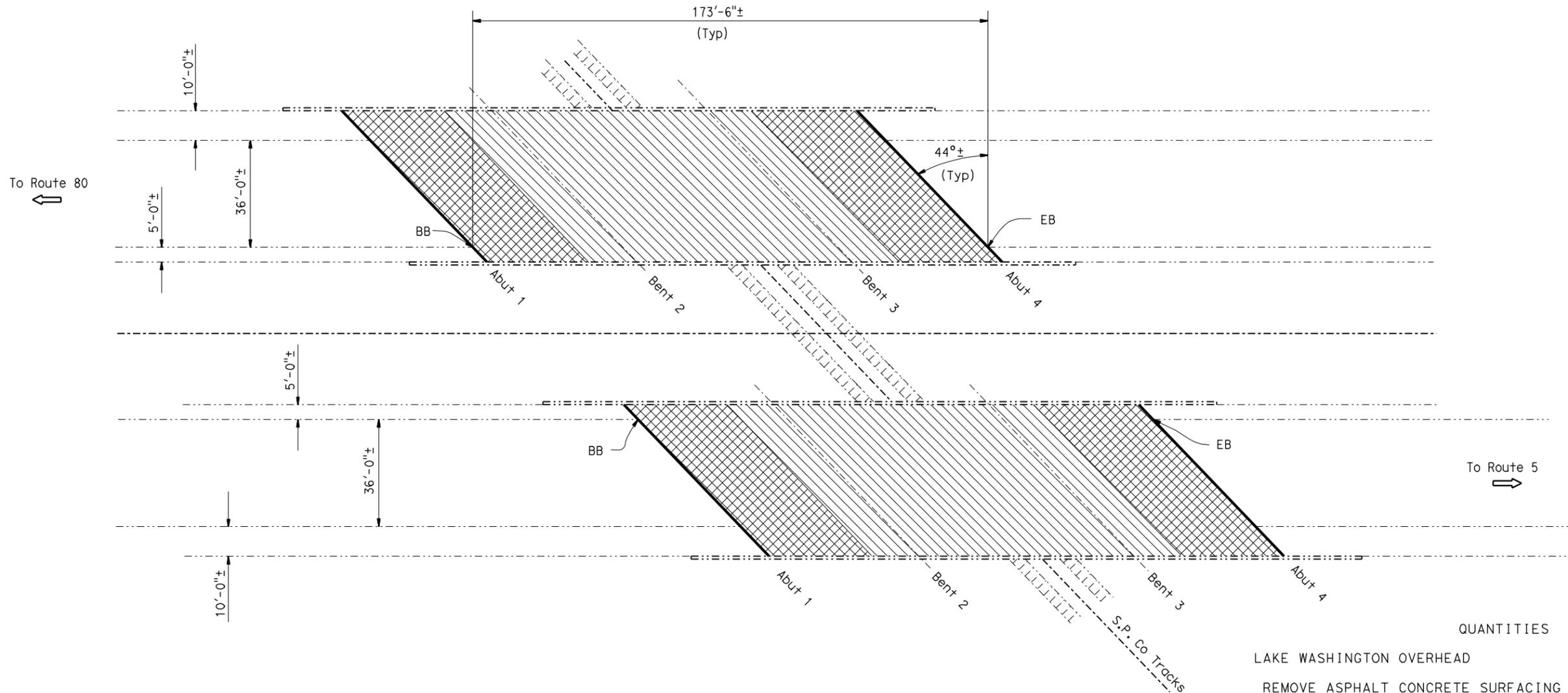


Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.



POLYESTER CONCRETE TAPER DETAIL

NO SCALE



LAKE WASHINGTON OVERHEAD

Br No. 22-0131L/R, ROUTE 80, PM 10.62

1" = 20'

QUANTITIES

LAKE WASHINGTON OVERHEAD

REMOVE ASPHALT CONCRETE SURFACING	3,470	SQFT
REMOVE CONCRETE DECK SURFACE	5,100	SQFT
REMOVE UNSOUND CONCRETE	230	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	17,698	SQFT
CLEAN EXPANSION JOINT	296	LF
RAPID SETTING CONCRETE (PATCH)	230	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,328	CF
PLACE POLYESTER CONCRETE OVERLAY	17,698	SQFT
JOINT SEAL (MR 1")	296	LF
PUBLIC SAFETY PLAN		LUMP SUM

BRIDGE NO. 22-0131L/R

DESIGN ENGINEER 11-17-10

DESIGN	BY H. Kuntz	CHECKED D. Floyd
DETAILS	BY David Kish	CHECKED D. Floyd
QUANTITIES	BY H. Kuntz	CHECKED D. Floyd

LAYOUT	BY David Kish	CHECKED D. Floyd
SPECIFICATIONS	BY Sirisha Nelapatla	CHECKED Sirisha Nelapatla

PLANS AND SPECIFICATIONS COMPARED
 Sirisha Nelapatla

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	
VARIES	

ROUTES 65 & 80 BRIDGES
GENERAL PLAN NO. 4

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

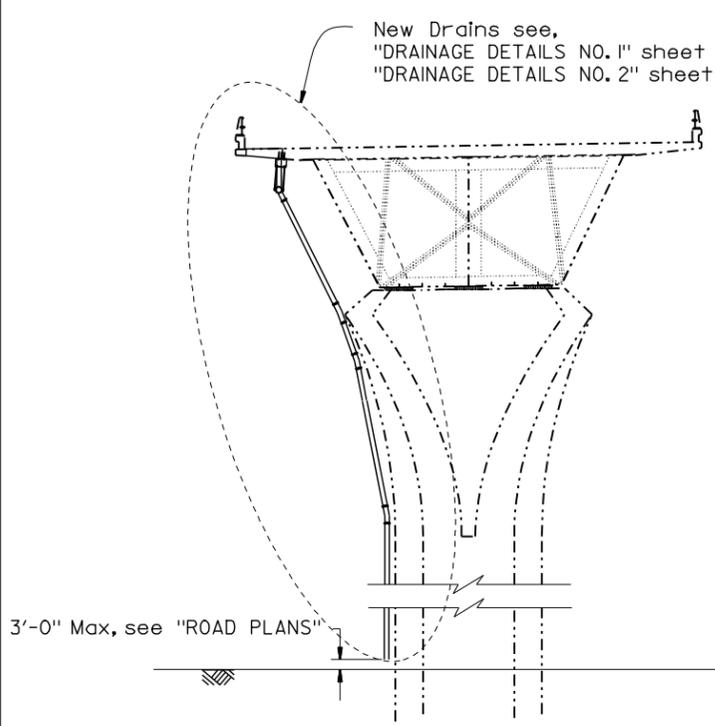
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



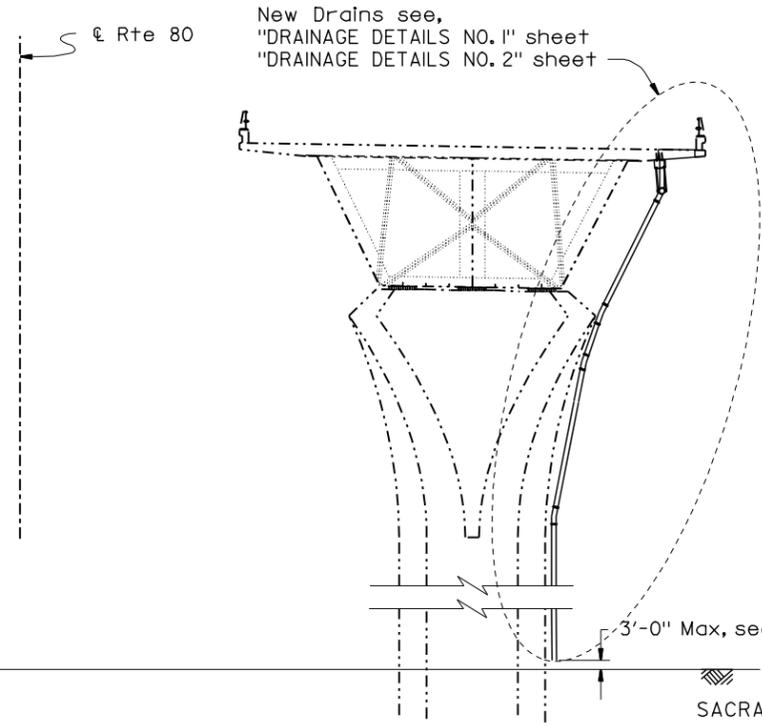
CU 03600
EA 3M7401

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
4-18-10 6-17-10 6-30-10 8-24-10 11-09-10	4	12



TYPICAL SECTION
1" = 10'

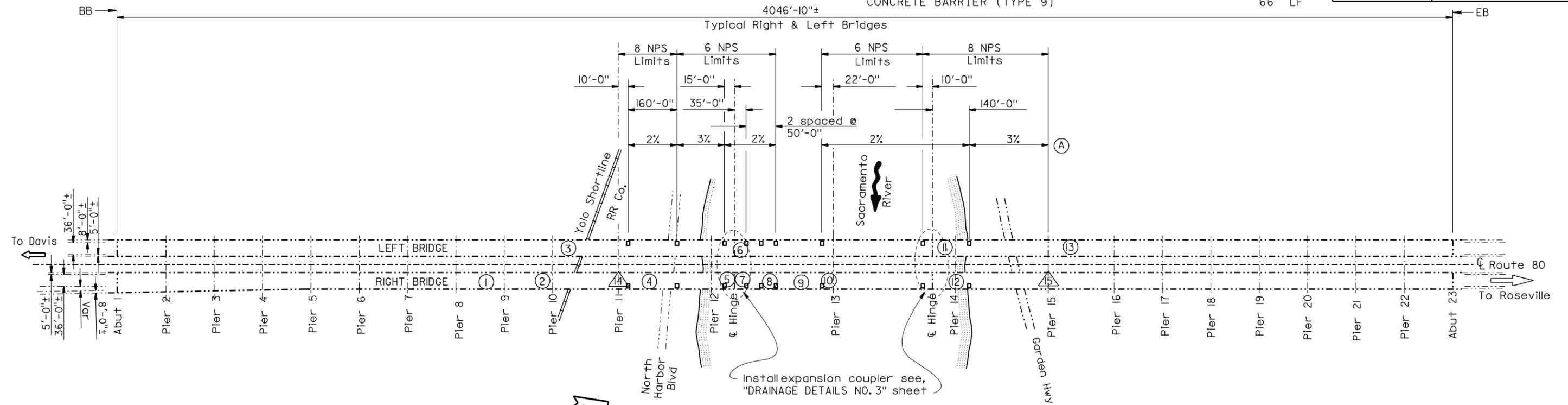


- NOTES: (APPLY TO THIS SHEET ONLY)
- ⊙ Indicates approximate locations for clean and paint structural steel. see "TABLE X" for approximate sizes.
 - ⊠ Indicates approximate locations for spot blast clean and paint structural steel. See "TABLE X" for approximate sizes.
 - ⊠ Indicates locations of new deck drains see, "DRAINAGE DETAILS NO. 3" sheet.
 - Ⓐ Indicates minimum slopes of longitudinal drain pipes.
- Drain locations may be adjusted to avoid removal and replacement of Type II railpost and bolts. Adjustments to be determined by Engineer.
- Existing screen/mesh inside bridge to be maintained. Any damage to be repaired by contractor at his expense.

TABLE X	
LOCATION	APPROXIMATE DIMENSIONS
①	4' X 20'
②	4' X 10'
③	4' X 26'
④	10' X 15'
⑤	3' X 14'
⑥	10' X 10'
⑦	2' X 12'
⑧	4' X 24'
⑨	4' X 24'
⑩	8' X 24'
⑪	3' X 40'
⑫	10' X 10'
⑬	2' X 80'
⊠	Full Soffit x 25'
⊠	Full Soffit x 25'

QUANTITIES

SACRAMENTO RIVER BOH		BRIDGE NO. 22-0026L/R	
BRIDGE REMOVAL (PORTION)	LUMP SUM		
STRUCTURAL CONCRETE, BRIDGE	12	CY	
DRILL AND BOND DOWEL	108	LF	
BAR REINFORCING STEEL (BRIDGE)	1,650	LB	
CLEAN AND PAINT STRUCTURAL STEEL	LUMP SUM		
SPOT BLAST CLEAN AND PAINT UNDERCOAT	2,480	SQFT	
BRIDGE DECK DRAINAGE SYSTEM	99,200	LB	
CONCRETE BARRIER (TYPE 9)	66	LF	



SACRAMENTO RIVER BOH
Br No. 22-0026L/R, ROUTE 80, PM R11.31
NO SCALE

Matthew W. Lee 11-17-10
DESIGN ENGINEER

DESIGN	BY H. Kuntz	CHECKED D. Floyd
DETAILS	BY David Kish	CHECKED D. Floyd
QUANTITIES	BY H. Kuntz	CHECKED D. Floyd

LAYOUT	BY David Kish	CHECKED D. Floyd
SPECIFICATIONS	BY Sirisha Nelapatla	PLANS AND SPECIFICATIONS COMPARED Sirisha Nelapatla

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

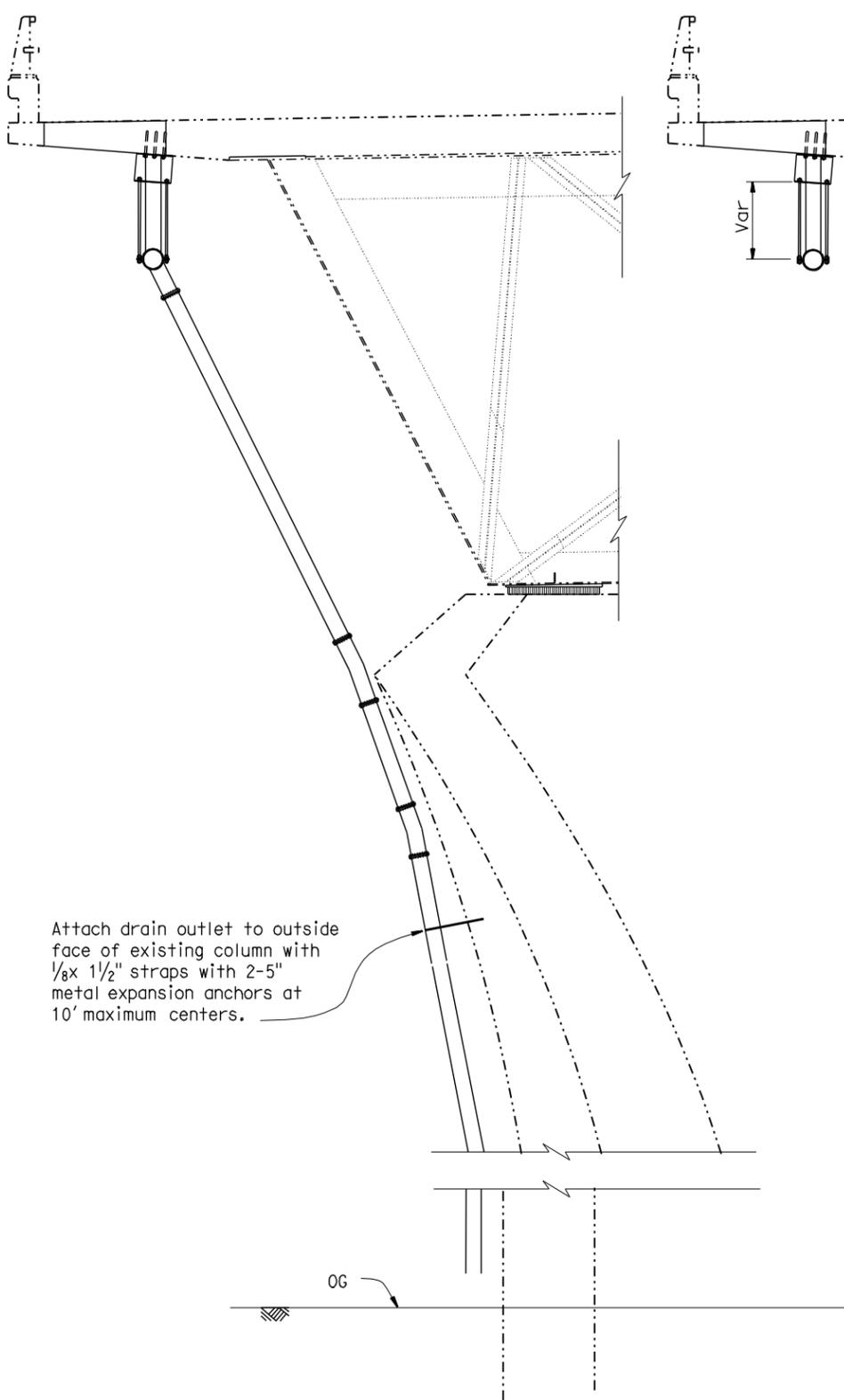
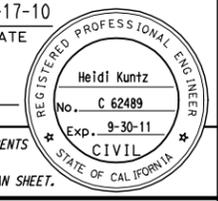
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

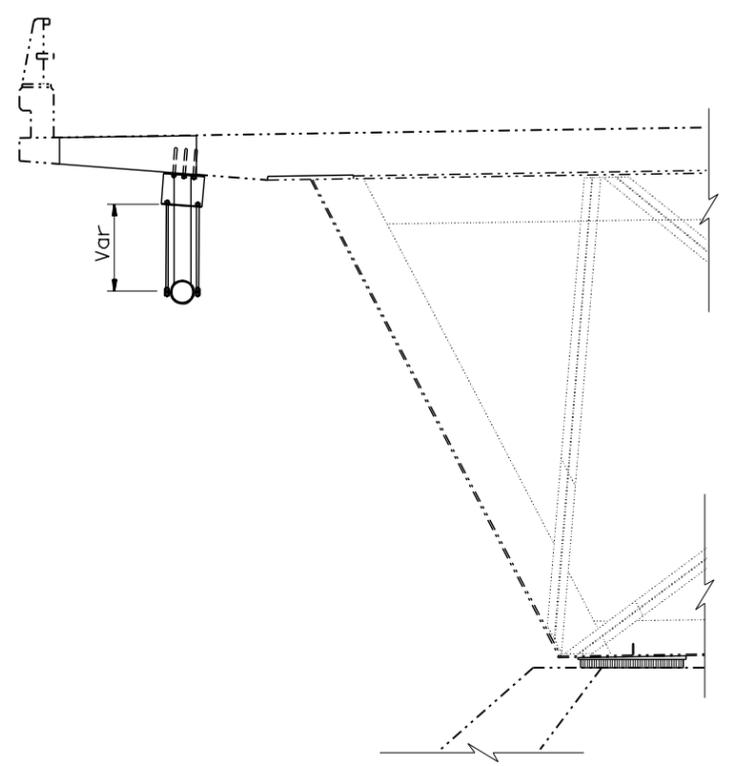
BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTES 65 & 80 BRIDGES
GENERAL PLAN NO. 5

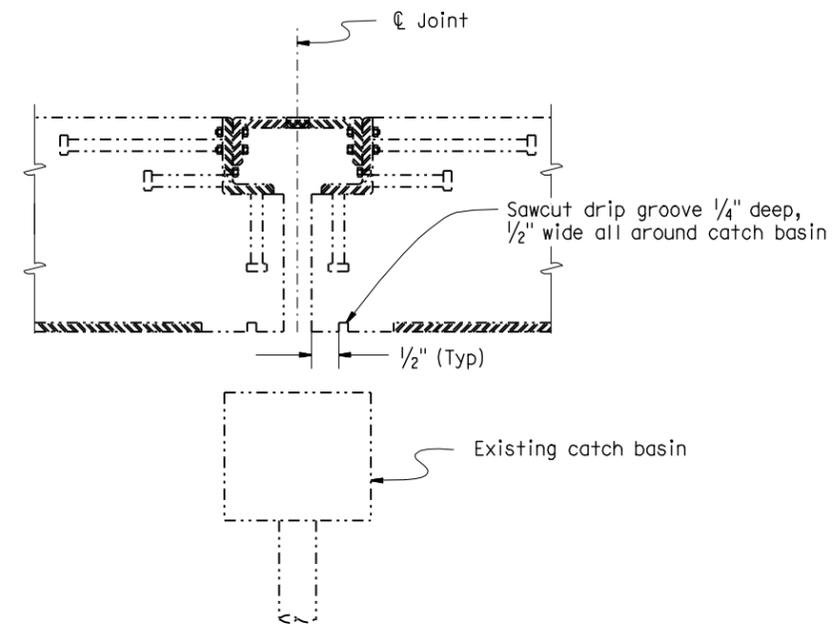
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Yol	65, 80	0.9/11.3 R 5.9	15	21
Heidi Kuntz			11-17-10		
REGISTERED CIVIL ENGINEER			DATE		
			01-10-11		
			PLANS APPROVAL DATE		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					



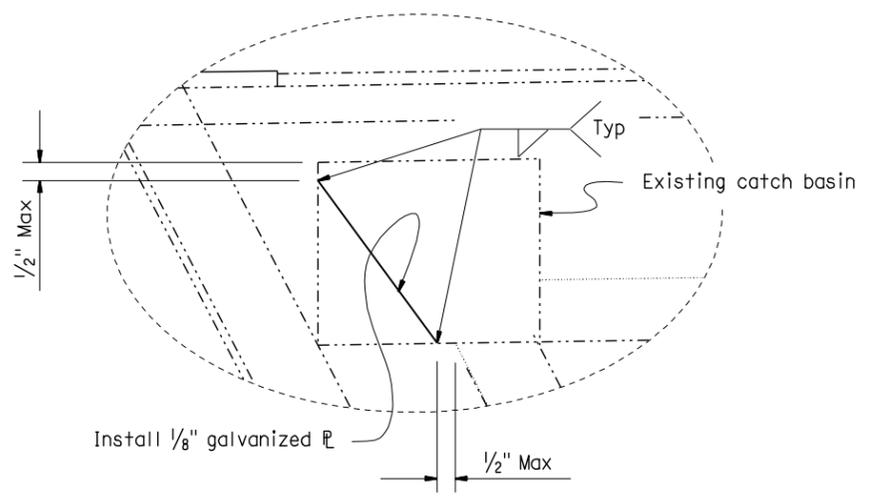
TYPICAL PART SECTION PIER 11 AND 15
 $\frac{3}{8}'' = 1'-0''$



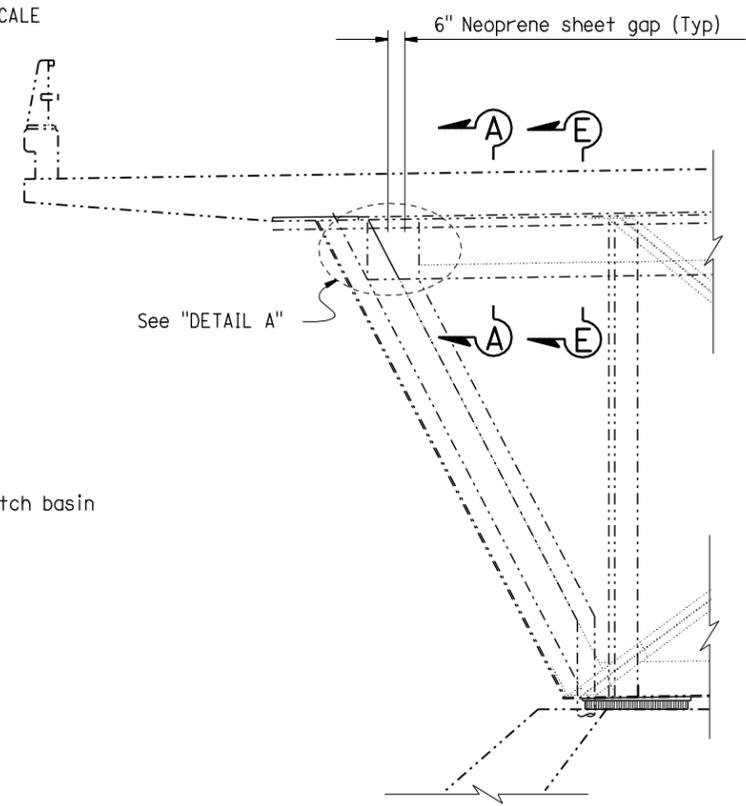
TYPICAL PART SECTION
 $\frac{3}{8}'' = 1'-0''$



SECTION A-A
 NO SCALE



DETAIL A
 NO SCALE



TYPICAL PART SECTION AT HINGE
 $\frac{3}{8}'' = 1'-0''$

NOTES: For SECTION E-E see "DRAINAGE DETAILS NO. 4" sheet
 Hinges located at piers 11 and 15 and 1 each in spans 12 and 13

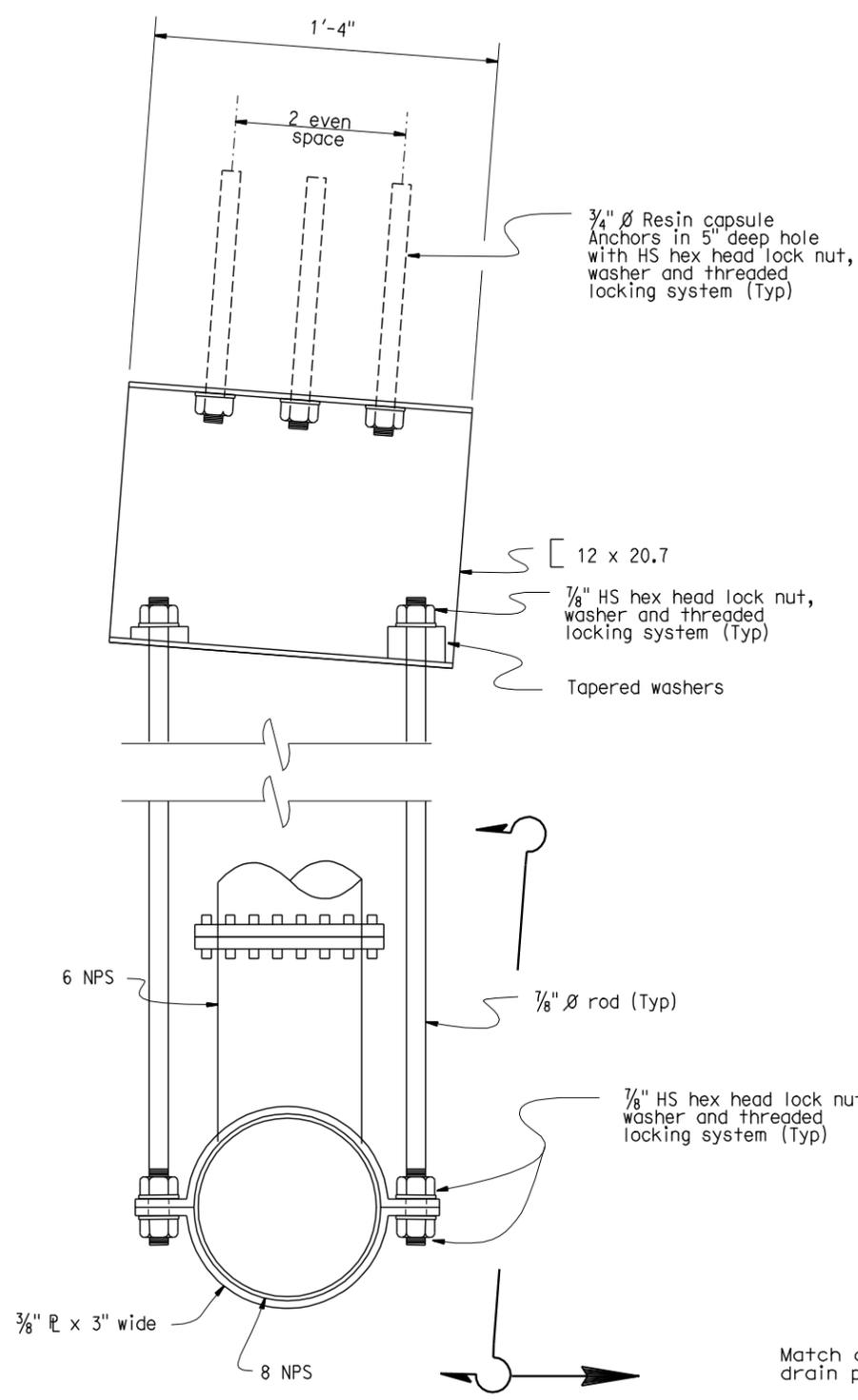
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY H. Kuntz	CHECKED D. Floyd	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIES	ROUTES 65 & 80 BRIDGES						
	DETAILS	BY David Kish	CHECKED D. Floyd			POST MILE			VARIOUS	DRAINAGE DETAILS NO. 1				
	QUANTITIES	BY H. Kuntz	CHECKED D. Floyd	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 03600 EA 3M7401	REVISION DATES	SHEET 6 OF 12							
				0	1	2	3	4-15-10	6-23-10	6-30-10	10-27-10	11-09-10		

FILE => 03-3m7401_06drain01.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Yol	65, 80	0.9/11.3 R 5.9	16	21
Heidi Kuntz			11-17-10	REGISTERED PROFESSIONAL ENGINEER	
REGISTERED CIVIL ENGINEER			DATE		
01-10-11			PLANS APPROVAL DATE		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					

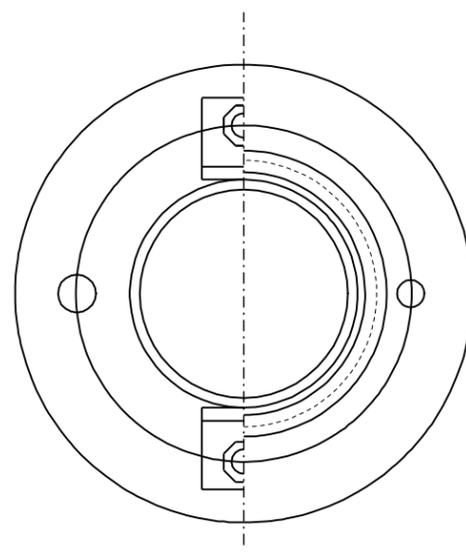
NOTES: (APPLY TO THIS SHEET ONLY)

- Details of expansion couplers see B7-8 Standard Plans May 2006
- All pipe to be NPS welded steel pipe except as noted and galvanized.
- Pipe Hangers to be installed at 10" maximum spacing 2' maximum from face of drain frame.
- Lateral support at each stiffener with double bolt pipe clamp.
- Pipe elbows and fittings install to drain.

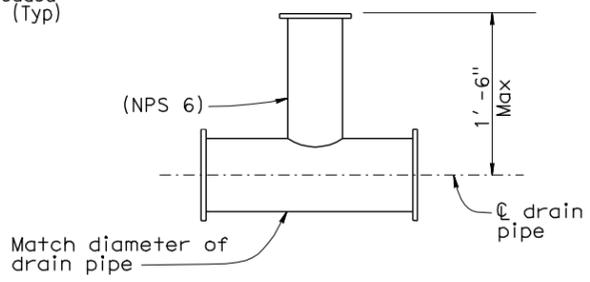


HANGER DETAIL

3" = 1'-0"

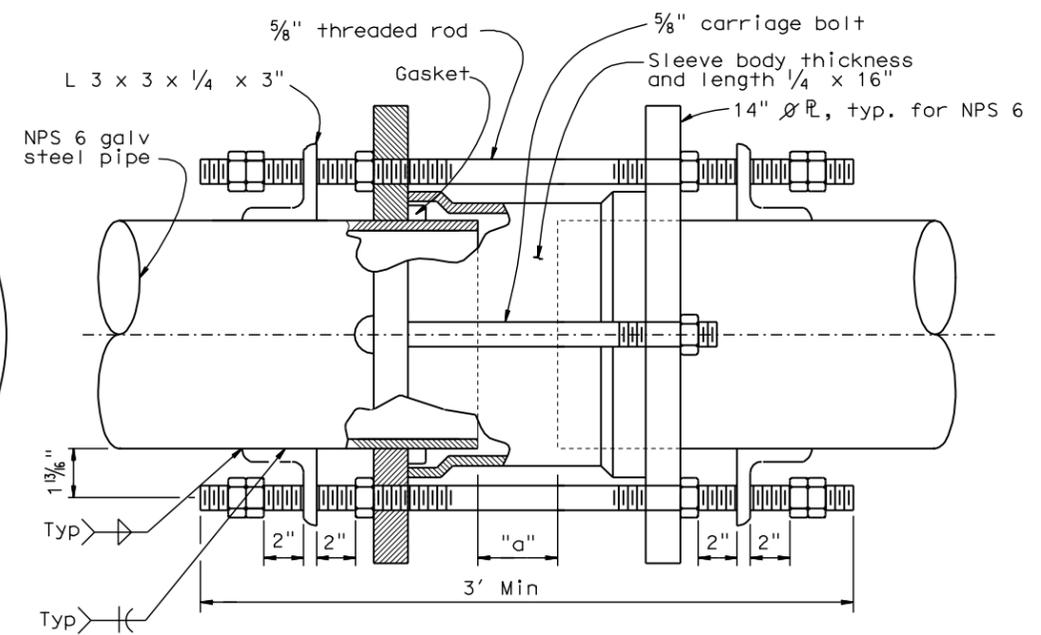


END VIEW



REDUCING TEE-WYE CONNECTION

NO SCALE



ELEVATION

Notes:

- All hardware to be galvanized
- NPS 6 pipe coupling shown, NPS 8 coupling similar.

EXPANSION COUPLING

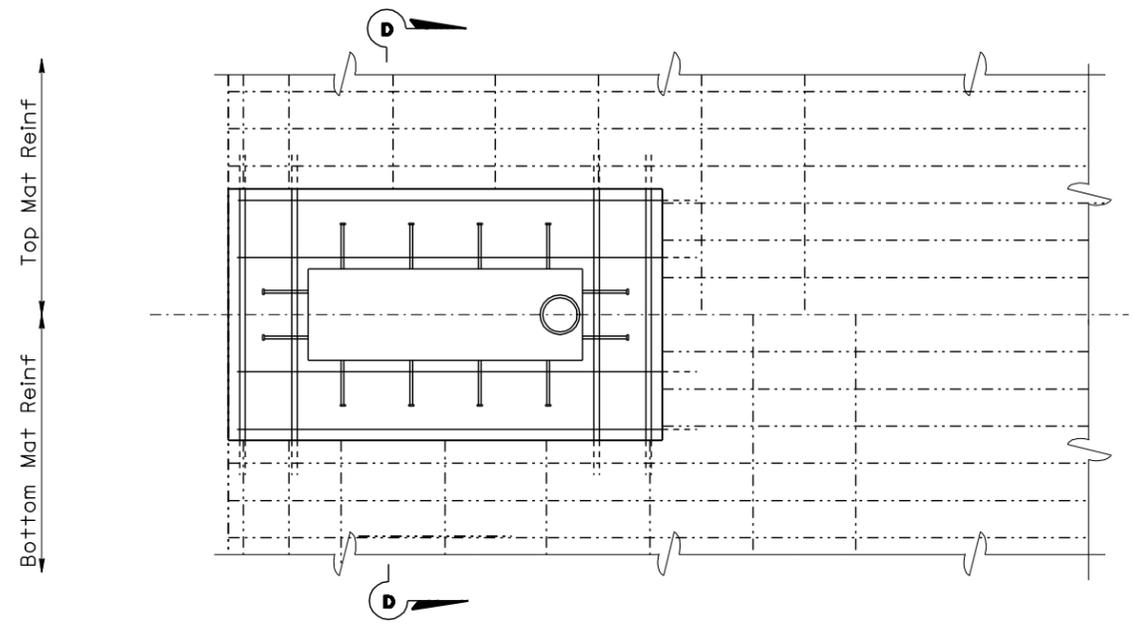
NO SCALE

SEASON	"a" Dimension
Summer	1 1/2"
Spring/Fall	2"
Winter	2 3/4"

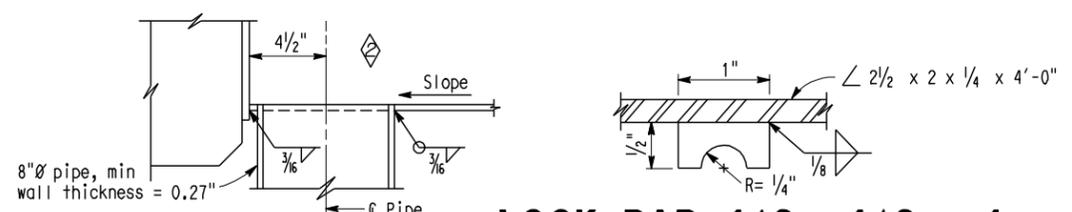
DESIGN BY H. Kuntz CHECKED D. Floyd		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies	ROUTES 65 & 80 BRIDGES DRAINAGE DETAILS NO. 2	
DETAILS BY David Kish CHECKED D. Floyd				POST MILE Varies		
QUANTITIES BY H. Kuntz CHECKED D. Floyd				Various		
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03600 EA 3M7401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 4-15-10 6-23-10 11-09-10	SHEET 7 OF 12

USERNAME => s116982 DATE PLOTTED => 12-JAN-2011 TIME PLOTTED => 14:22

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Yol	65, 80	0.9/11.3 R 5.9	17	21
Heidi Kuntz			11-17-10	REGISTERED PROFESSIONAL ENGINEER	
REGISTERED CIVIL ENGINEER			DATE		
01-10-11			PLANS APPROVAL DATE		
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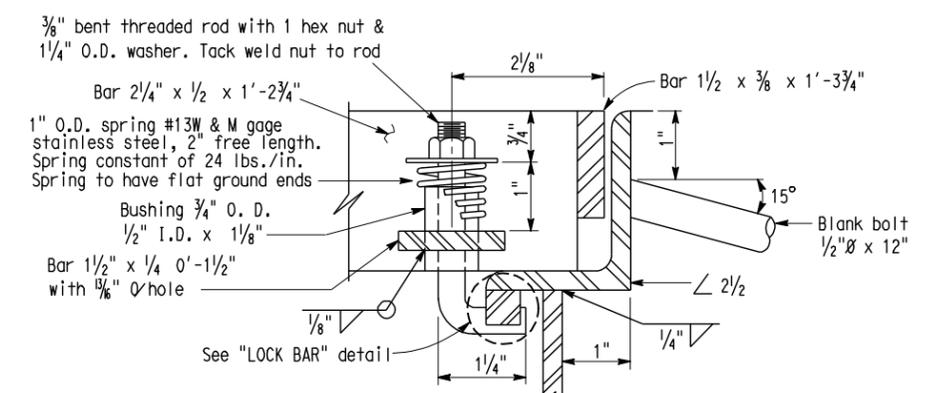
PLAN - CURB INSTALLATION



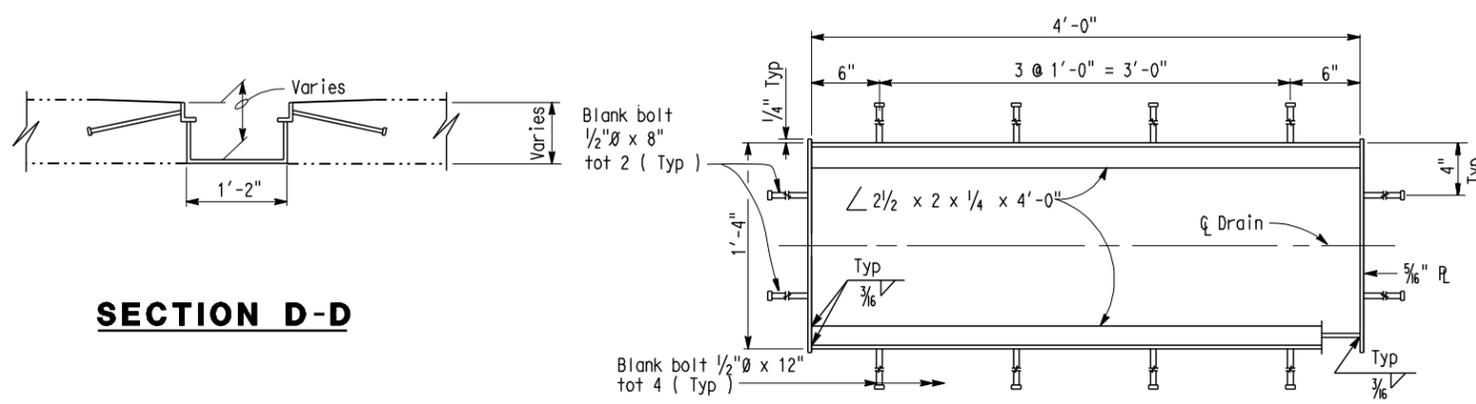
PIPE SECTION

Notes: Galvanize deck drain assembly after fabrication.

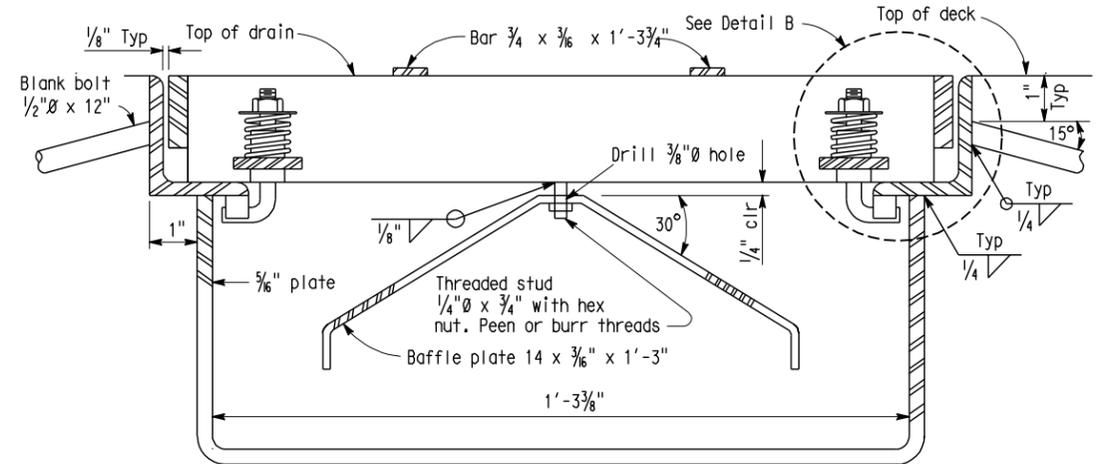
LOCK BAR - 1/2 x 1/2 x 1



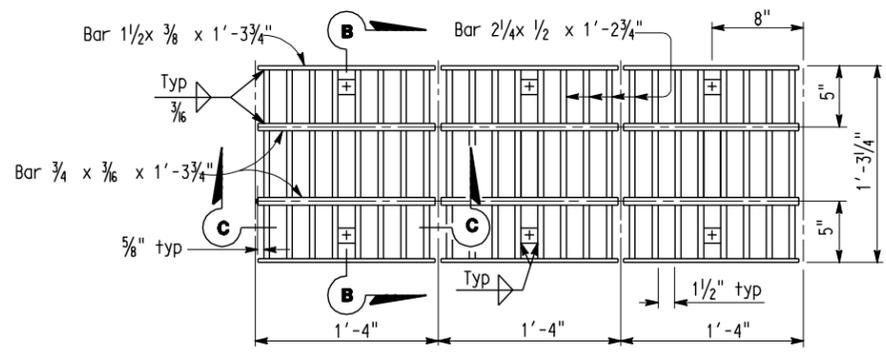
DETAIL B



SECTION D-D

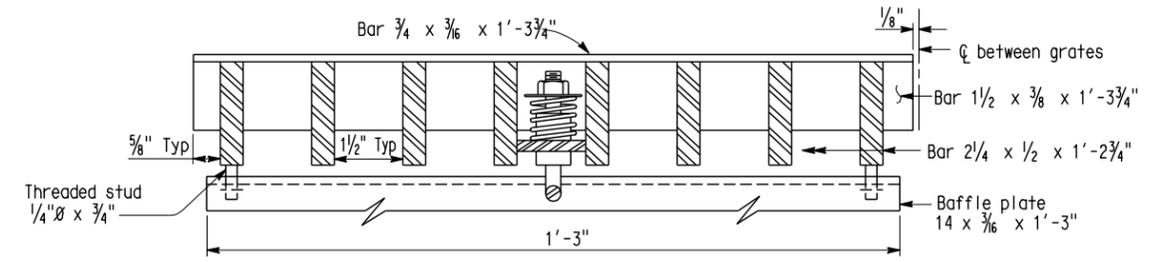


SECTION B-B (FRAME & GRATE)



PLAN - FRAME & GRATE

Note: Grating consists of 3 identical units except for baffle plate. Baffle plate is required only for the grate over the outlet pipe



SECTION C-C

DECK DRAIN		
DECK SLOPE	"A"	"B"
0% to 6%	9"	5"
7% to 9%	10"	5"
10% to 12%	10 1/2"	4"

DESIGN	BY H. Kuntz	CHECKED D. Floyd
DETAILS	BY David Kish	CHECKED D. Floyd
QUANTITIES	BY H. Kuntz	CHECKED D. Floyd

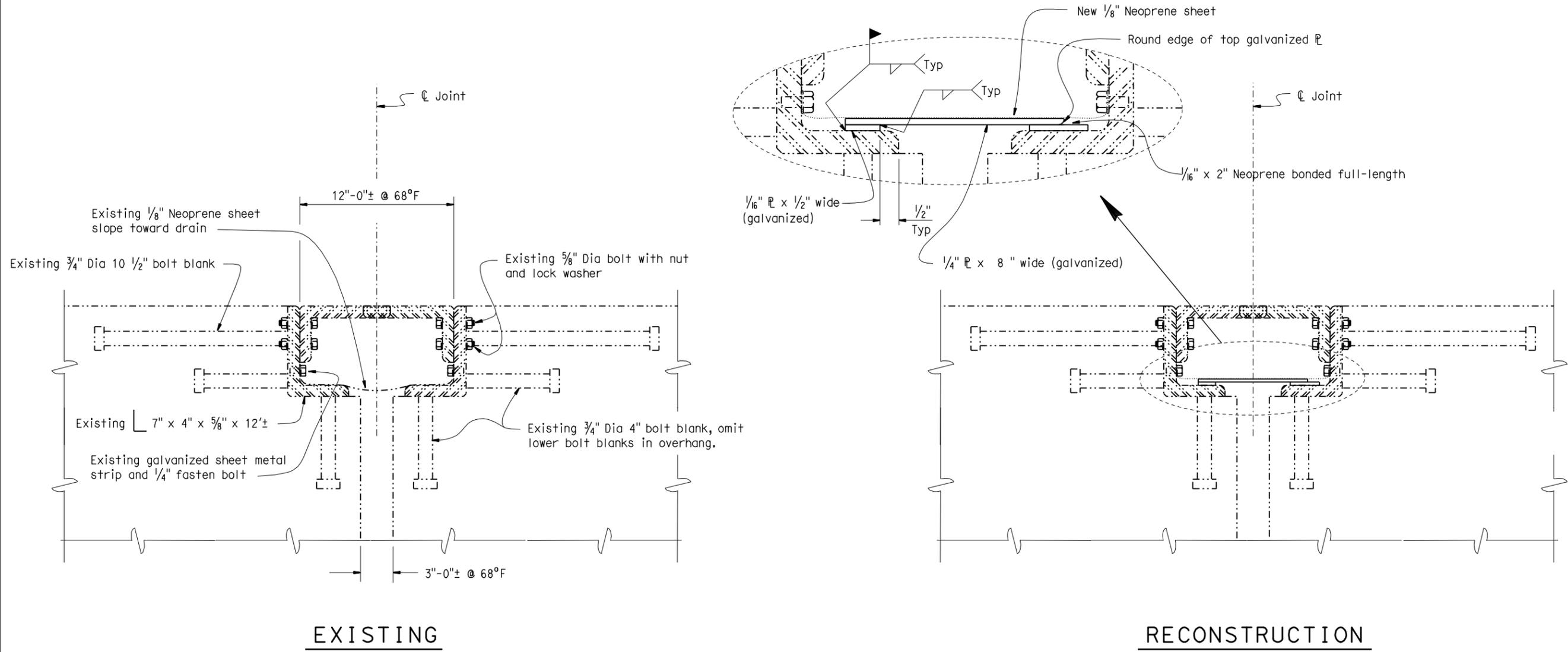
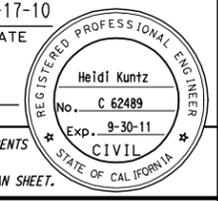
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.
Varies
POST MILE
Various

ROUTES 65 & 80 BRIDGES
DRAINAGE DETAILS NO. 3

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Yol	65, 80	0.9/11.3 R 5.9	18	21
Heidi Kuntz			11-17-10		
REGISTERED CIVIL ENGINEER			DATE		
01-10-11					
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					

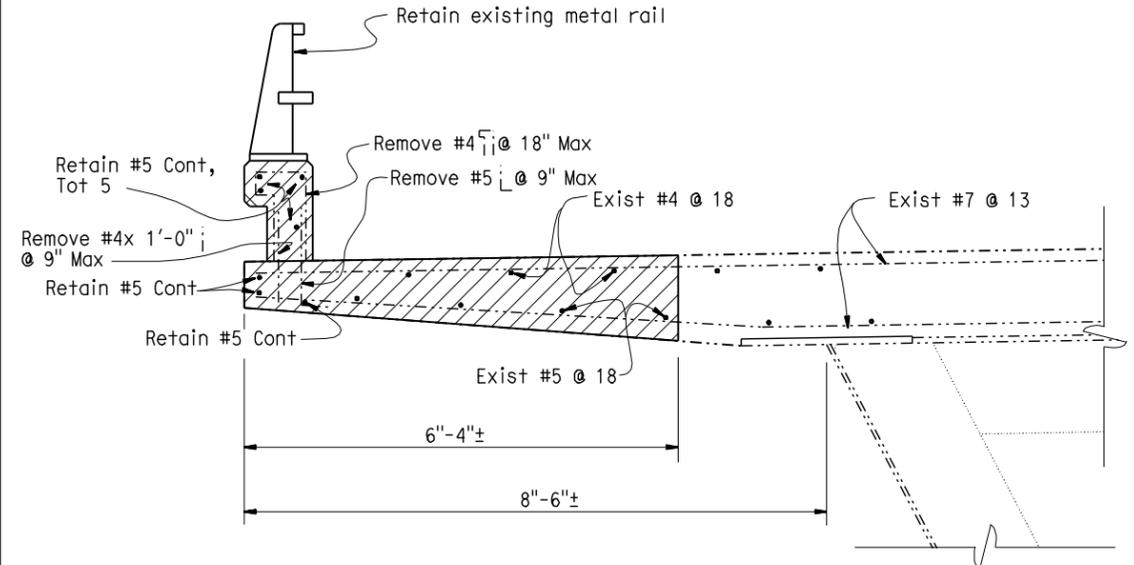
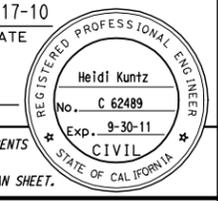


SECTION E-E
NO SCALE

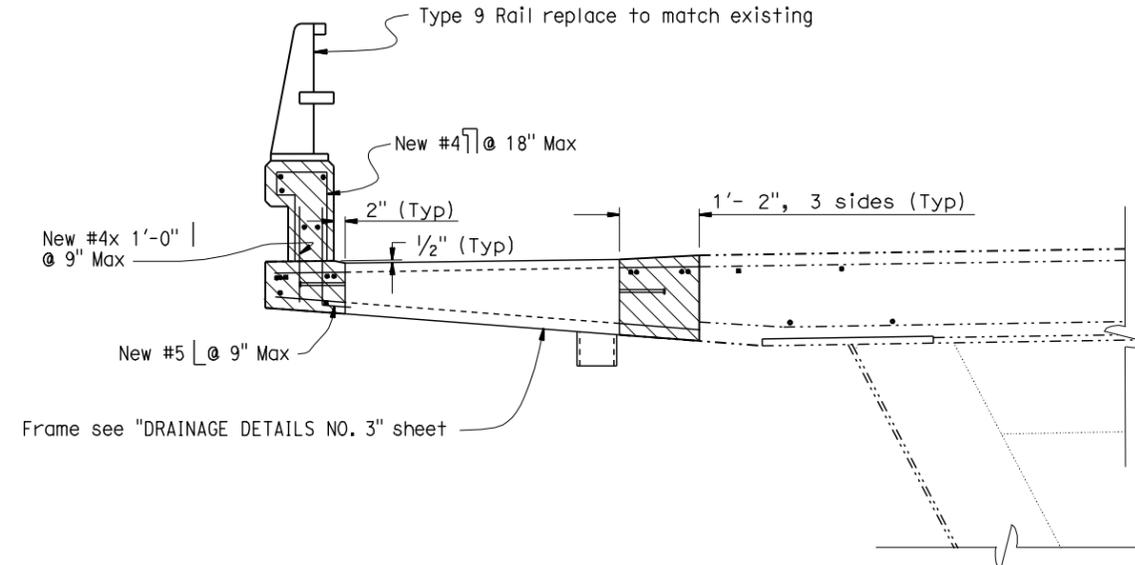
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY H. Kuntz	CHECKED D. Floyd	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIES	ROUTES 65 & 80 BRIDGES DRAINAGE DETAILS NO. 4	
	DETAILS	BY David Kish	CHECKED D. Floyd			POST MILE			
	QUANTITIES	BY H. Kuntz	CHECKED D. Floyd			VARIOUS			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	CU 03600 EA 3M7401	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES	SHEET 9 OF 12
				FILE => 03-3m7401_09drain04.dgn		4-15-10 6-23-10 11-09-10			

USERNAME => s116982 DATE PLOTTED => 12-JAN-2011 TIME PLOTTED => 14:22

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Yol	65, 80	0.9/11.3 R 5.9	19	21
Heidi Kuntz			11-17-10		
REGISTERED CIVIL ENGINEER			DATE		
			01-10-11		
			PLANS APPROVAL DATE		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					

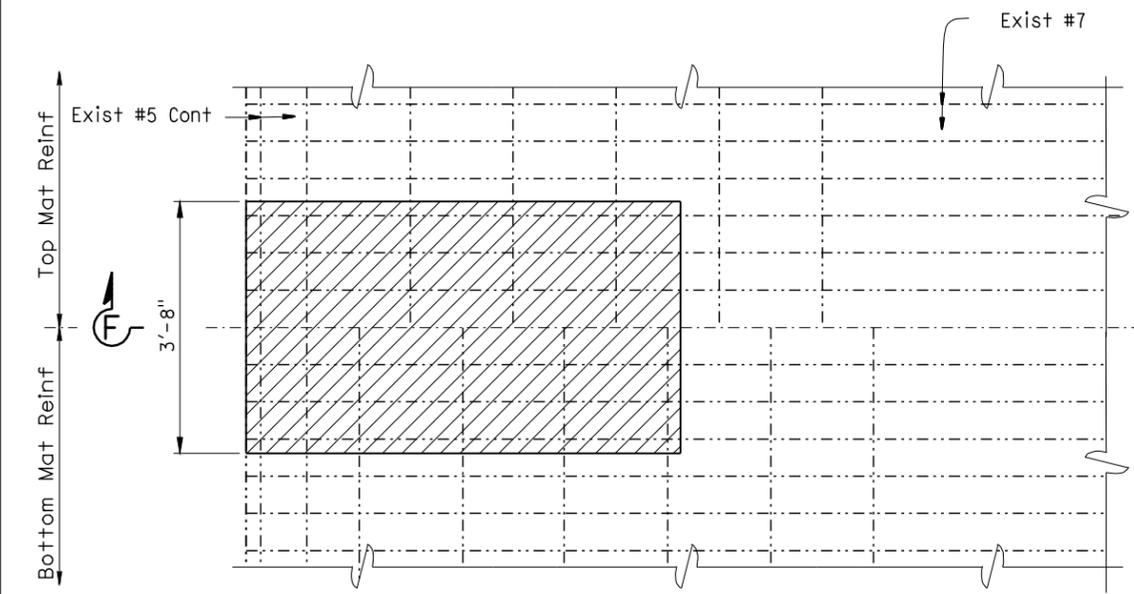


SECTION F-F



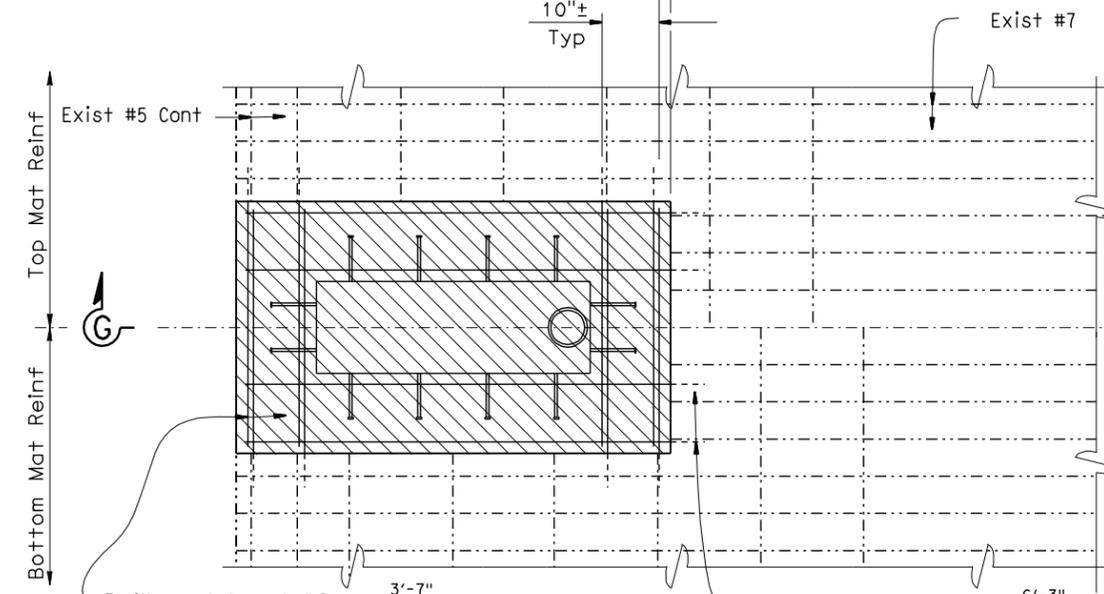
SECTION G-G

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of bridge removal. (portion)
 - Indicates limits of Structure Concrete Bridge
 - ① Drainage pan and framing not shown for clarity. For details see DRAINAGE DETAILS NO.1 sheet.
 - ② Drill and bond shall be thus: 3



PLAN
DECK REMOVAL DETAILS

3/4" = 1'-0"



PLAN
DECK RECONSTRUCTION DETAILS

3/4" = 1'-0"

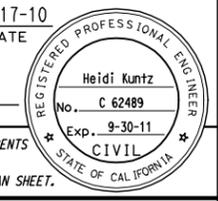
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY H. Kuntz	CHECKED D. Floyd	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	Varies	ROUTES 65 & 80 BRIDGES	
	DETAILS	BY David Kish	CHECKED D. Floyd			POST MILE			DRAINAGE DETAILS NO. 5
	QUANTITIES	BY H. Kuntz	CHECKED D. Floyd			Various			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	CU 03600 EA 3M7401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 10 OF 12	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Yol	65, 80	0.9/11.3 R 5.9	20	21

Heidi Kuntz 11-17-10
 REGISTERED CIVIL ENGINEER DATE

01-10-11
 PLANS APPROVAL DATE

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



DECK REPAIR TABLE			
REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)			
BRIDGE NUMBER	BRIDGE NAME	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH DAMAGE (INCHES)
19-0160	Harding Blvd OC	1	3
22-0193	Pole Line Road OC	1	3
22-0142 L/R	West Capital Avenue UC	5	3
22-0131 L/R	Lake Washington OH	5	3

JOINT SEAL TABLE										
BRIDGE NUMBER	BRIDGE NAME	LOCATION	MINIMUM "MR" (In)	APPROXIMATE LENGTH (ft)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (In)	APPROX WIDTH OF JOINT SPALLS (INCHES)	APPROX DEPTH OF JOINT SPALLS (INCHES)	APPROX % of LENGTH OF JOINT SPALLS	
22-0142 L	West Capital Avenue UC	Abut 1	PN	1	65	No	12	12	3	5
		Abut 3	PN	1	63	No	12	12	3	5
22-0142 R	West Capital Avenue UC	Abut 1	PN	1	74	No	12	12	3	5
		Abut 3	PN	1	66	No	12	12	3	5
22-0131 L	Lake Washington OH	Abut 1	PN	1	74	No	12	12	3	5
		Abut 4	PN	1	74	No	12	12	3	5
22-0131 R	Lake Washington OH	Abut 1	PN	1	74	No	12	12	3	5
		Abut 4	PN	1	74	No	12	12	3	5

LEGEND:

PN - Paving Notch at beginning or end of bridge
 BW - Backwall
 EJ - Expansion Joint
 H - Hinge

NOTE:
 All joint seals to be type B

DESIGN	BY	H. Kuntz	CHECKED	D. Floyd	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	Varies	ROUTES 65 & 80 BRIDGES JOINT SEAL DETAILS NO. 1	
	DETAILS	BY	David Kish	CHECKED			D. Floyd	POST MILE		Varies
	QUANTITIES	BY	H. Kuntz	CHECKED			D. Floyd	REVISION DATES		4-20-10 6-23-10 8-31-10 11-10-10

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

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

CU 03600
 EA 3M7401

DISREGARD PRINTS BEARING EARLIER REVISION DATES

SHEET 11 OF 12

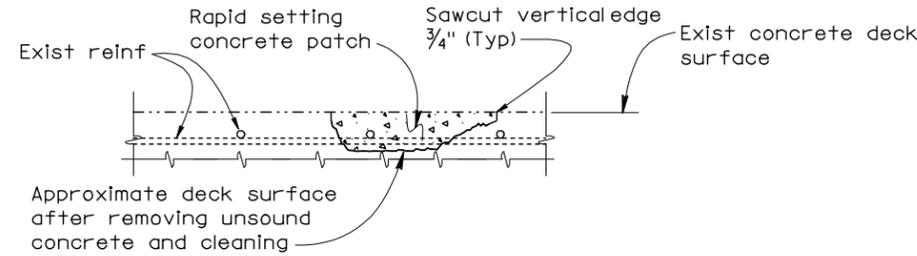
FILE => 03-3m7401_11det1.dgn

USERNAME => s116982 DATE PLOTTED => 12-JAN-2011 TIME PLOTTED => 14:23

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Yol	65, 80	0.9/11.3 R 5.9	21	21
Heidi Kuntz			11-17-10	REGISTERED CIVIL ENGINEER DATE	
01-10-11			PLANS APPROVAL DATE		
REGISTERED PROFESSIONAL ENGINEER Heidi Kuntz No. C 62489 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					

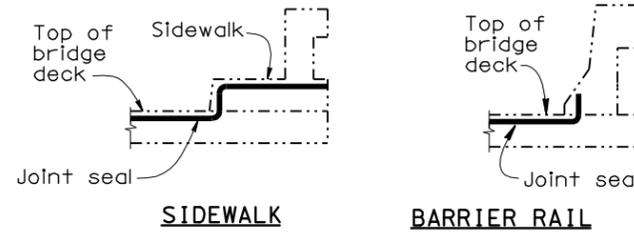
NOTES: (APPLY TO THIS SHEET ONLY)

 Indicates limits of new polyester concrete.



DECK REPAIR DETAIL

Note: Reinforcement may be encountered during deck concrete removal.

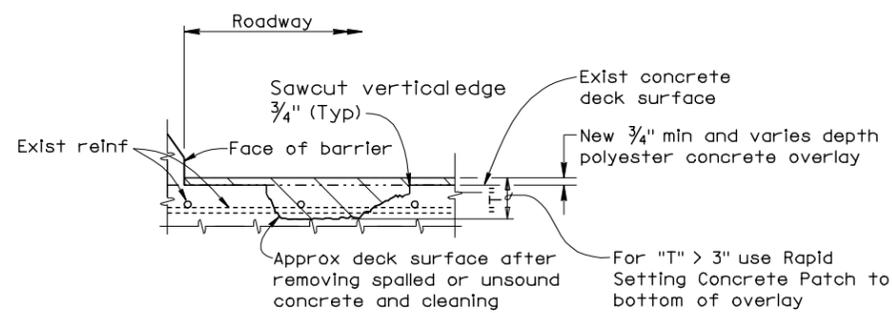


JOINT SEAL AT LOW SIDE OF DECK

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

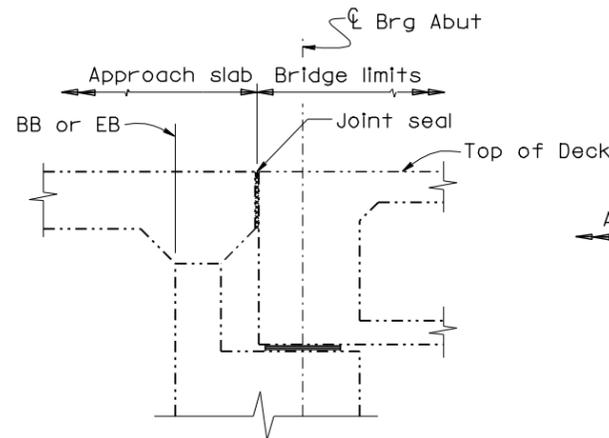
The following notes apply to JOINT SEAL TYPE B:

- 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.

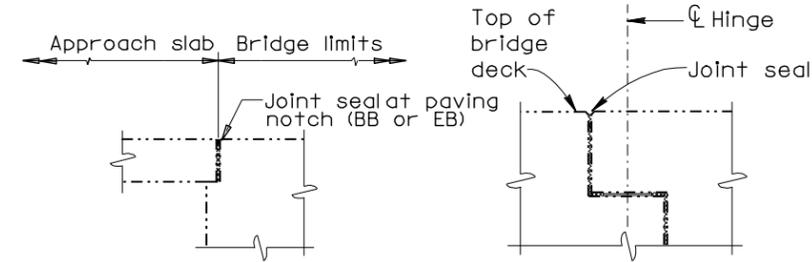


DECK OVERLAY DETAIL

Note: Reinforcement may be encountered during deck concrete removal.



BACK WALL ABUTMENT



DIAPHRAGM ABUTMENT

HINGE

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY H. Kuntz	CHECKED D. Floyd	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTES 65 & 80 BRIDGES JOINT SEAL DETAILS NO. 2	
	DETAILS	BY David Kish	CHECKED D. Floyd			Varies		
	QUANTITIES	BY H. Kuntz	CHECKED D. Floyd			Varies		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	CU 03600 EA 3M7401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 4-15-10 8-31-10 11-10-10	SHEET 12 OF 12