

INDEX OF PLANS

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STRUCTURE PLANS

9-15	ROUTE 1 AND 101 BRIDGES
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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 MONTEREY COUNTY
AT VARIOUS LOCATIONS

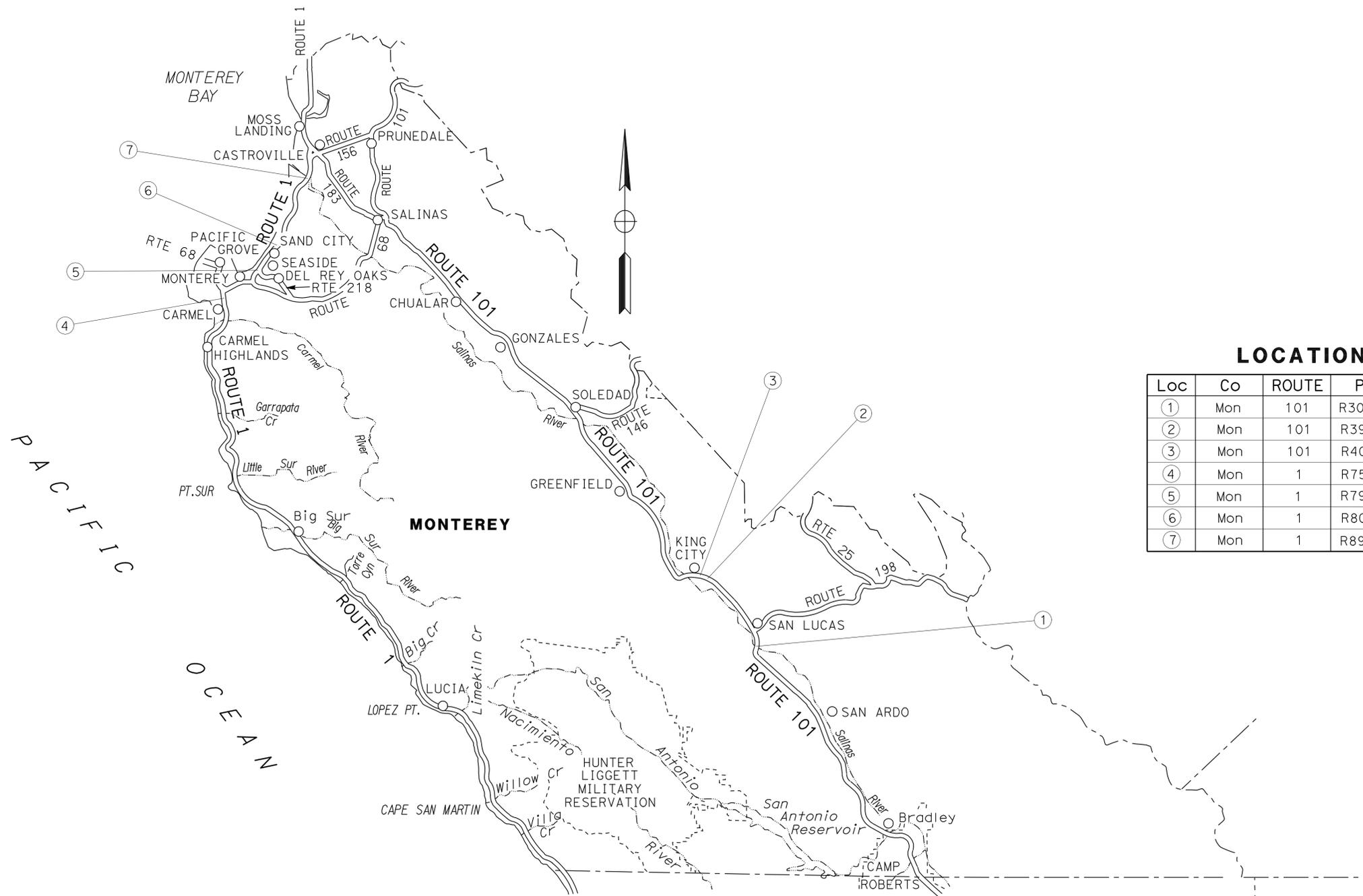
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1,101	Var	1	15





LOCATION MAP

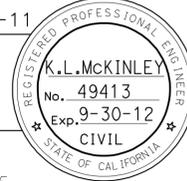


LOCATIONS OF CONSTRUCTION

Loc	Co	ROUTE	PM	BRIDGE NAME	BRIDGE No.
①	Mon	101	R30.80	SALINAS RIVER	44-0177R
②	Mon	101	R39.77	FIRST STREET OC	44-0178
③	Mon	101	R40.42	SAN LORENZO CREEK	44-0179R
④	Mon	1	R75.74	MUNRAS Ave UC	44-0145R
⑤	Mon	1	R79.33	Rte 1/218 Sep	44-0162L
⑥	Mon	1	R80.67	ORD VILLAGE OH	44-0158R/L
⑦	Mon	1	R89.19	SALINAS RIVER	44-0216R/L

PROJECT MANAGER
KELLY J. McCLAIN
 DESIGN ENGINEER
KELLY J. McCLAIN

 12-14-11
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
February 21, 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.



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

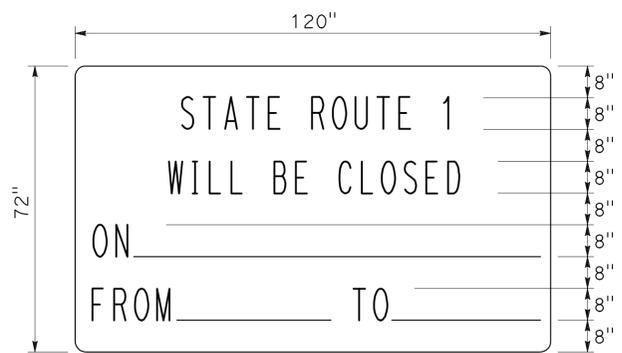
DATE PLOTTED => 23-FEB-2012
 TIME PLOTTED => 09:00
 12-14-11

- NOTES:**
- EXACT LOCATION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
 - EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 - SPECIAL SIGN "C" TO BE USED WHEN EXISTING STRUCTURE HAS SIDEWALKS.

- LEGEND:**
- CONSTRUCTION AREA SIGN
 - ⇨ DIRECTION OF TRAVEL
 - ↓ TYPE II BARRICADE



BLACK LETTERS ON WHITE BACKGROUND
MOUNT PANEL ON TYPE II BARRICADE
SPECIAL SIGN "C"



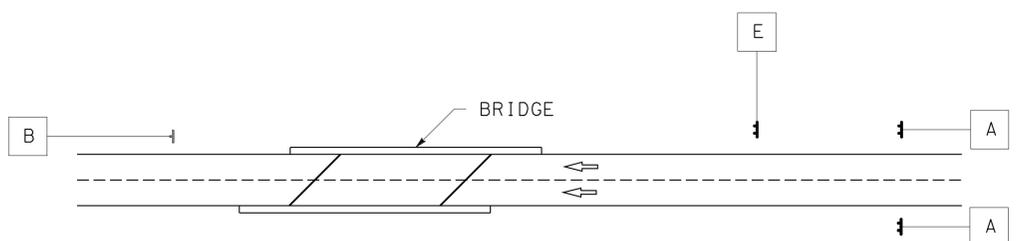
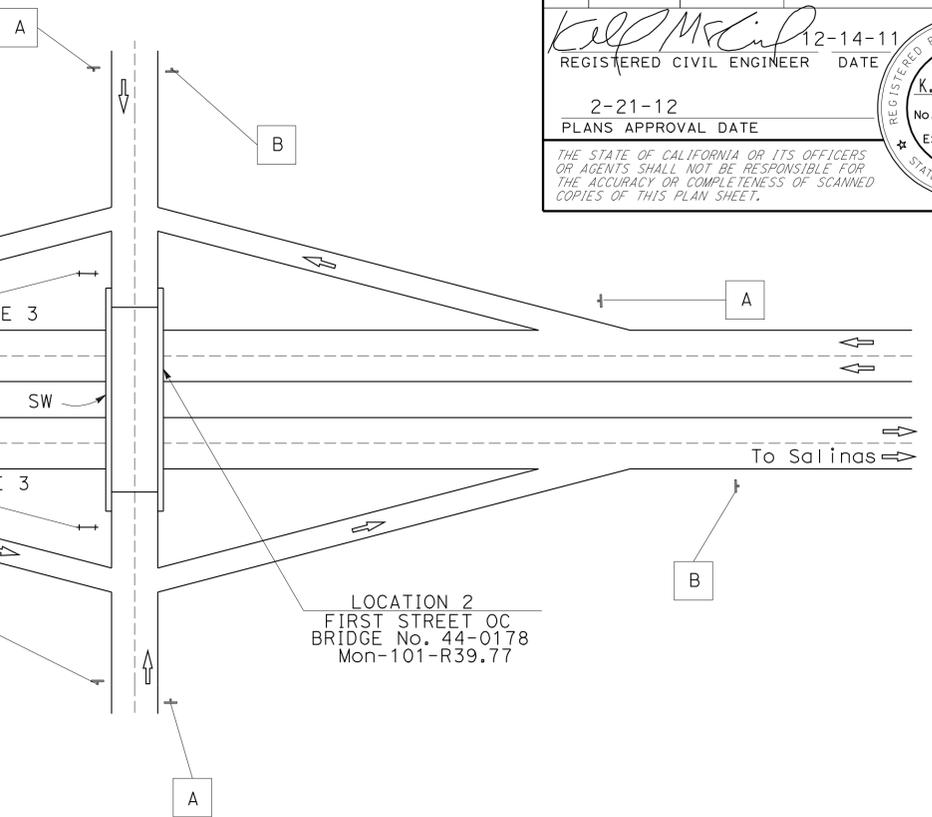
BLACK CAPITAL LETTERS ON ORANGE BACKGROUND
SPECIAL SIGN "D"

CONSTRUCTION AREA SIGNS (SUMMARY)

SIGN	CODE	MESSAGE	PANEL SIZE	No. OF SIGNS	No. OF POSTS AND SIZE	COMMENTS
A	W20-1	ROAD WORK AHEAD	48" x 48"	20	1 - 4" x 6"	STATIONARY MOUNTED
B	G20-2	END ROAD WORK	48" x 24"	11	1 - 4" x 6"	STATIONARY MOUNTED
C	"C"	SIDEWALK CLOSED PEDESTRIANS PROHIBITED	24" x 24"	2		BARRICADE MOUNTED. TO BE USED ONLY WHEN WORK IS IN PROGRESS AND WITHIN 6 FT OF SW
D	"D"	STATE ROUTE 1 WILL BE CLOSED ON FROM TO	120" x 72"	1	2 - 6" x 8"	STATIONARY MOUNTED

LOCATION 2 & 3

Loc	ROUTE	PM	NAME OF BRIDGE	BRIDGE No.	SIGN		
					A	B	C
2	101	R39.77	FIRST STREET OC	44-0178	4	3	2
3	101	R40.42	SAN LORENZO CREEK	44-0179R	2	1	
SUBTOTAL					6	4	2



LOCATION 1, 4, 5, 6 & 7

Loc	ROUTE	PM	NAME OF BRIDGE	BRIDGE No.	SIGN		
					B	A	D
1	101	R30.80	SALINAS RIVER	44-0177R	1	2	
4	1	R75.74	MUNRAS Ave UC	44-0145R	1	2	
5	1	R79.33	Rte 1/218 Sep	44-0162L	1	2	1
6	1	R80.67	ORD VILLAGE OH	44-0158R/L	2	4	
7	1	R89.19	SALINAS RIVER	44-0216R/L	2	4	
SUBTOTAL					7	14	1

CONSTRUCTION AREA SIGNS
NO SCALE
CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Kelly L. McKinley
 Kelly J. McClain
 Kelly J. McClain
 Kelly J. McClain
 MAINTENANCE DESIGN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1,101	Var	3	15

Kelly L. McKinley 12-14-11
 REGISTERED CIVIL ENGINEER DATE
 2-21-12
 PLANS APPROVAL DATE

K.L. MCKINLEY
 No. 49413
 Exp. 9-30-12
 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.

REMOVE PAVEMENT DELINEATION

Loc	Co ROUTE PM	NAME OF BRIDGE	BRIDGE No.	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE PAVEMENT MARKER (N)	REMARKS
				LF	LF	EA	
①	Mon-101-R30.80	SALINAS RIVER	44-0177R	1,432	3,222	181	
②	Mon-101-R39.77	FIRST STREET OC	44-0178	768	384	18	
③	Mon-101-R40.42	SAN LORENZO CREEK	44-0179R	262	590	40	
④	Mon-1-R75.74	MUNRAS AVE UC	44-0145R				JOINT SEALS ONLY, NO DECK WORK
⑤	Mon-1-R79.33	Rte 1/218 Sep	44-0162L				REPLACE SLAB AND JOINT SEAL WORK ONLY, NO DECK WORK
⑥	Mon-1-R80.67	ORD VILLAGE OH	44-0158L	409	920	62	
⑥	Mon-1-R80.67	ORD VILLAGE OH	44-0158R	409	920	62	
⑦	Mon-1-R89.19	SALINAS RIVER	44-0216L	773	966	115	
⑦	Mon-1-R89.19	SALINAS RIVER	44-0216R	773	966	115	
TOTAL				4,826	7,968	593	

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

PAVEMENT DELINEATION

Loc	Co ROUTE PM	NAME OF BRIDGE	BRIDGE No.	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)			TRAFFIC STRIPE (MARKERS ONLY) (N)	PAVEMENT MARKER				REMARKS	
				YELLOW		WHITE		(NON-REFLECTIVE)	(RETROREFLECTIVE)				
				22	25A	11	27B		13	DETAILS 13,22,25A			
				LF			LF	EA	EA				
①	Mon-101-R30.80	SALINAS RIVER	44-0177R		1,432	1,432	1,432	1,432	119		32	62	
②	Mon-101-R39.77	FIRST STREET OC	44-0178	192			384			18			
③	Mon-101-R40.42	SAN LORENZO CREEK	44-0179R		262	262	262	262	22		6	12	
④	Mon-1-R75.74	MUNRAS AVE UC	44-0145R										JOINT SEALS ONLY, NO DECK WORK
⑤	Mon-1-R79.33	Rte 1/218 Sep	44-0162L		30	30	30	30	4		2	2	
⑥	Mon-1-R80.67	ORD VILLAGE OH	44-0158L		461	461	461	461	38		11	20	
⑥	Mon-1-R80.67	ORD VILLAGE OH	44-0158R		461	461	461	461	38		11	20	
⑦	Mon-1-R89.19	SALINAS RIVER	44-0216L		773	773	773	773	64		17	33	
⑦	Mon-1-R89.19	SALINAS RIVER	44-0216R		773	773	773	773	64		17	33	
SUBTOTAL					4,384		8,768		349	18	96	182	
TOTAL					13,152				349	296			

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

PAVEMENT DELINEATION QUANTITIES PDQ-1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1,101	Var	4	15

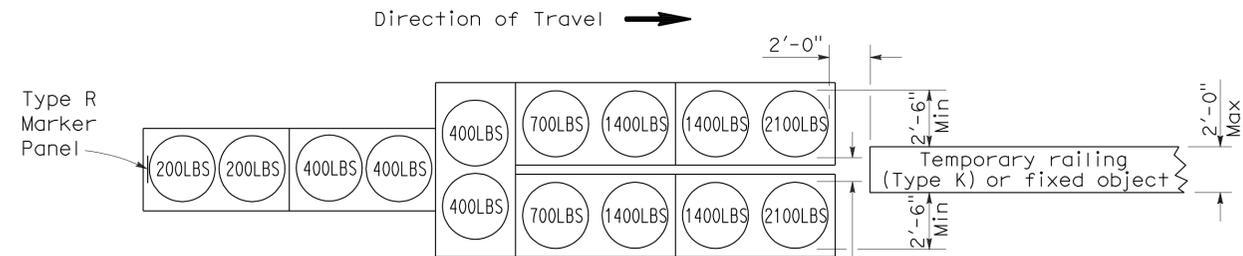
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

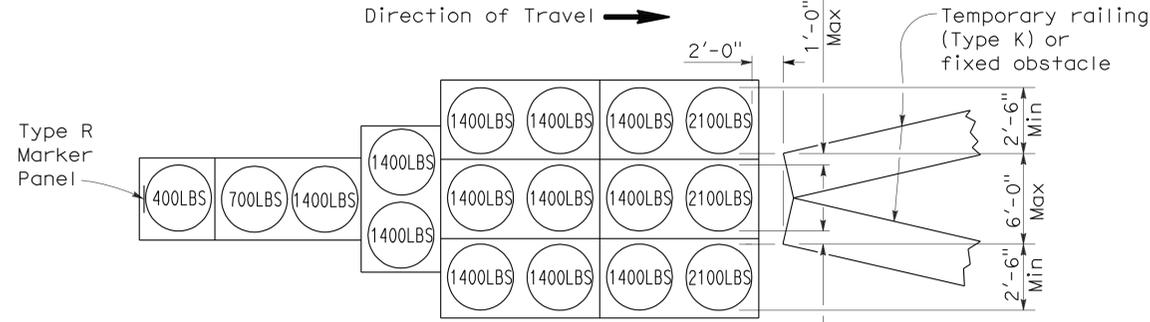
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 2-21-12



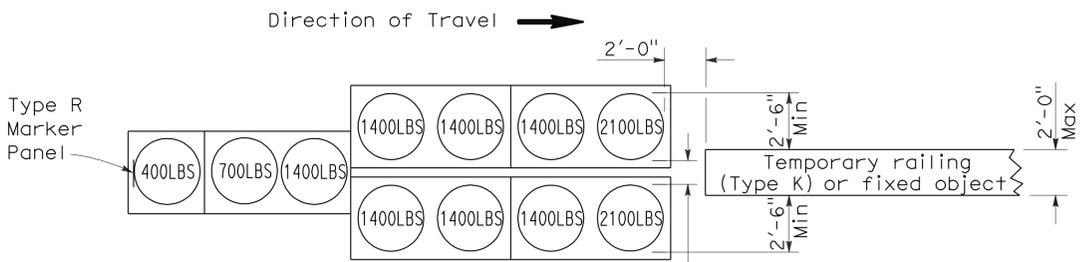
ARRAY 'TU14'

Approach speed 45 mph or more



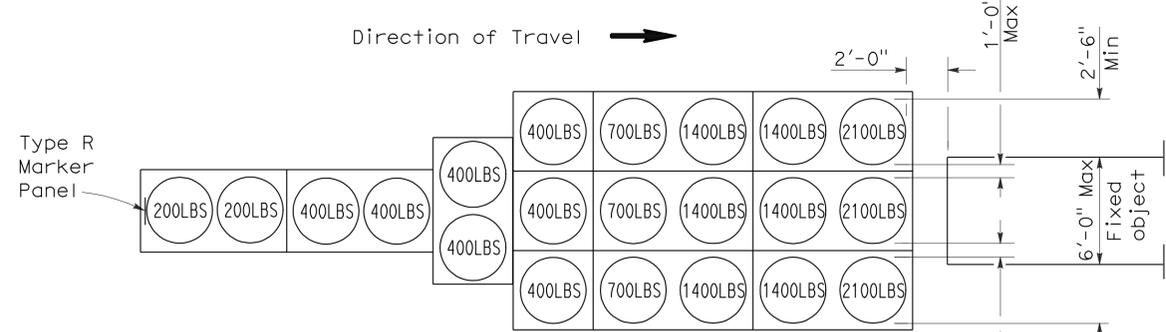
ARRAY 'TU17'

Approach speed less than 45 mph



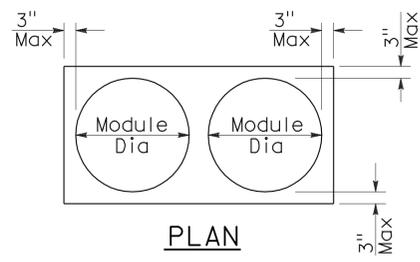
ARRAY 'TU11'

Approach speed less than 45 mph

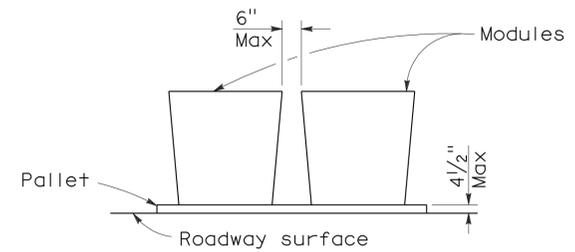


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

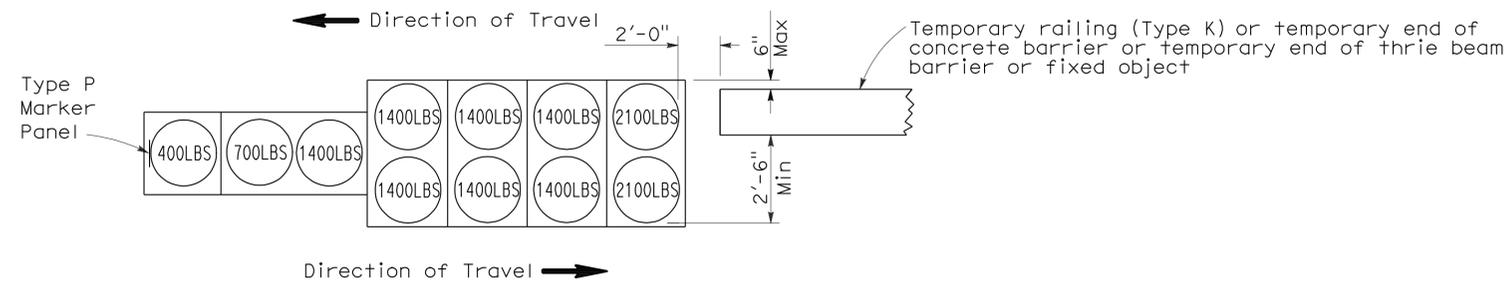
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1,101	Var	5	15

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

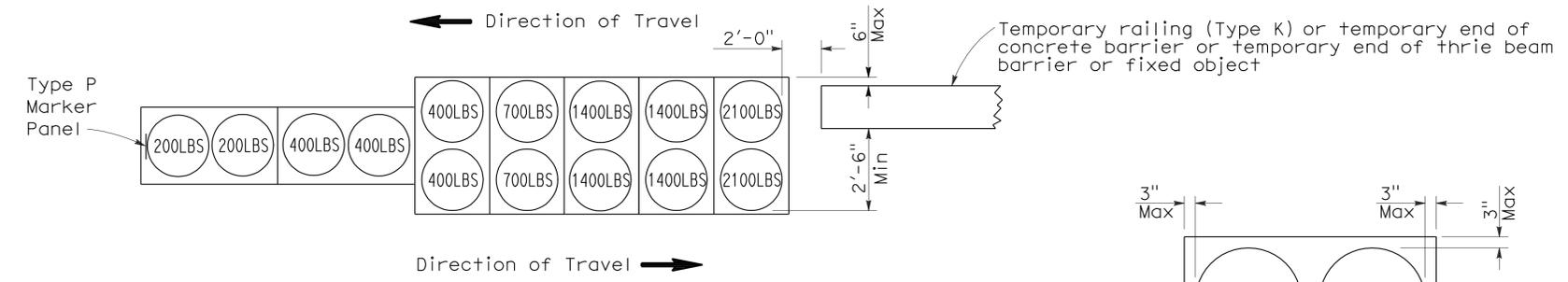
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To accompany plans dated 2-21-12



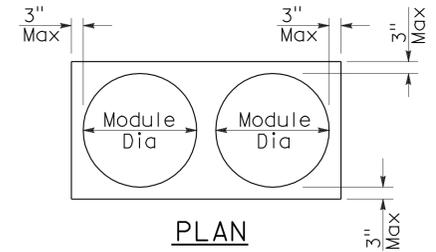
ARRAY 'TB11'

Approach speed less than 45 mph

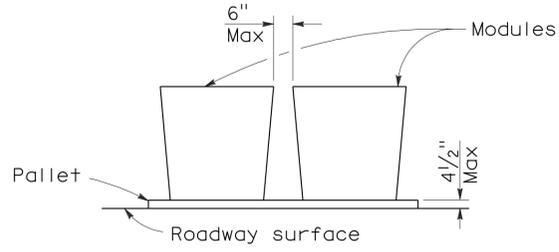


ARRAY 'TB14'

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

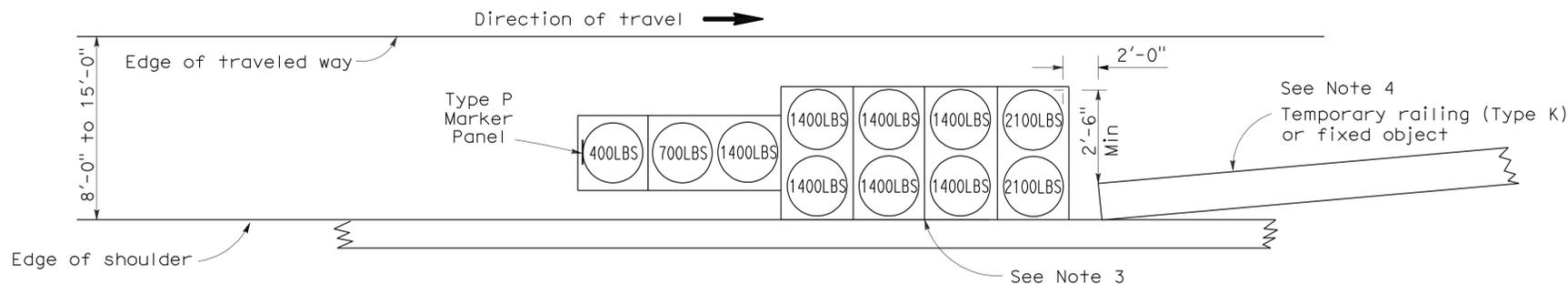
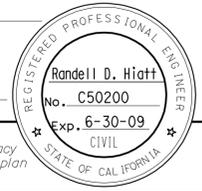
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1,101	Var	6	15

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

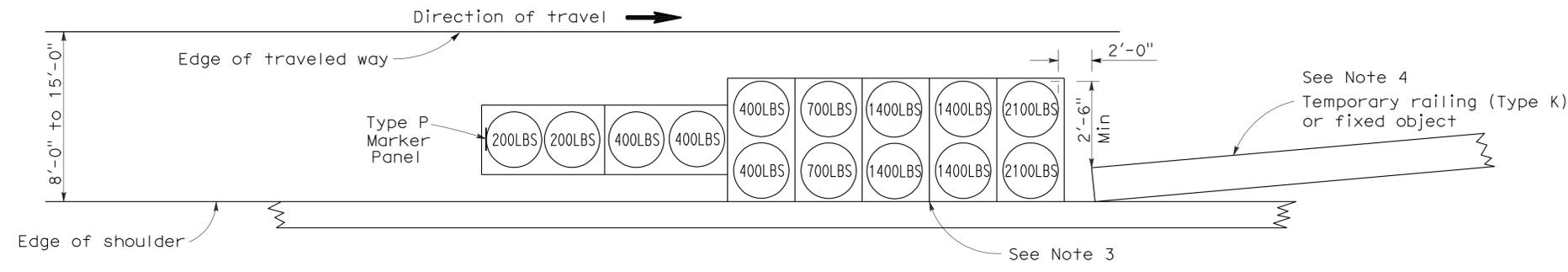
June 6, 2008
PLANS APPROVAL DATE

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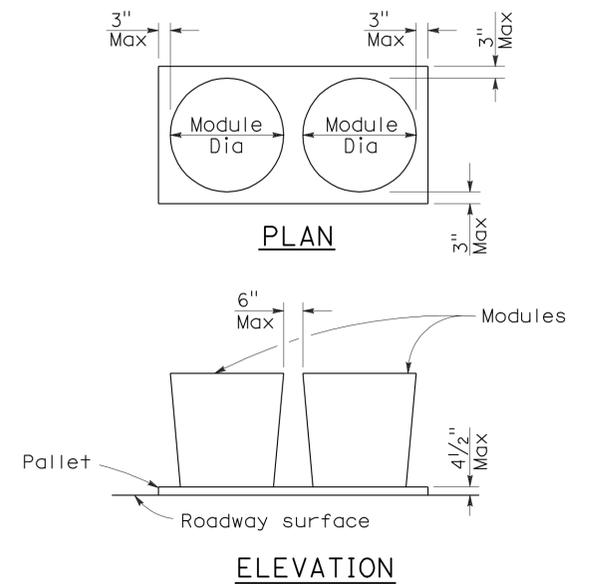
To accompany plans dated 2-21-12



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

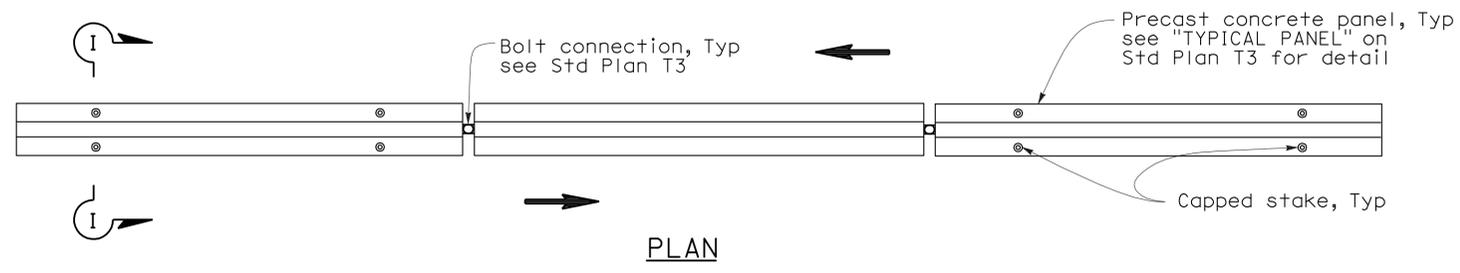
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1,101	Var	7	15

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

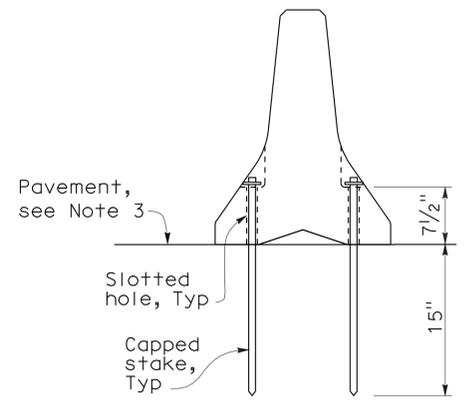
May 20, 2011
PLANS APPROVAL DATE

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To accompany plans dated 2-21-12



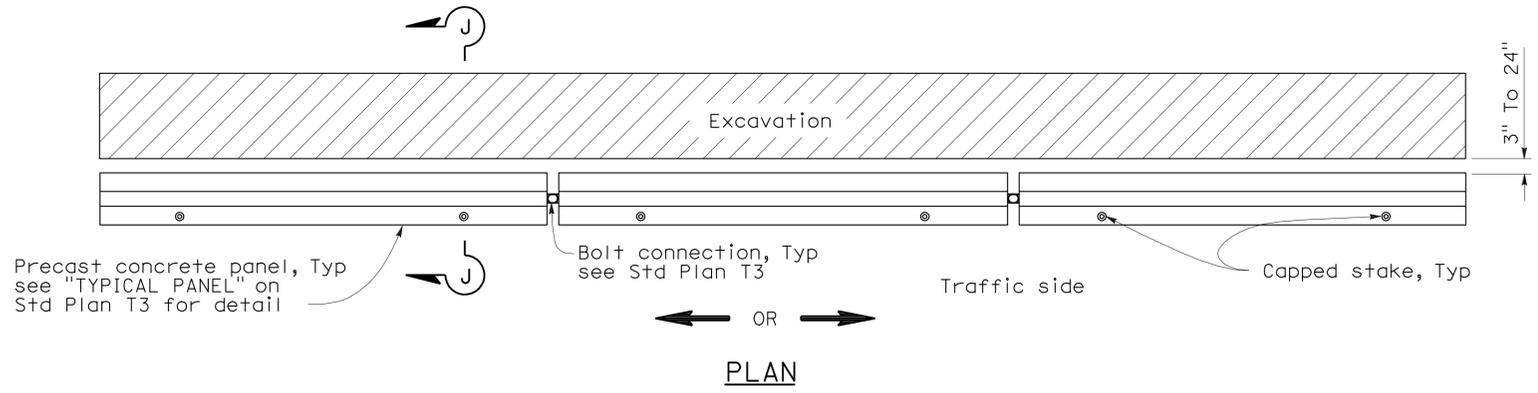
RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC
See Note 1



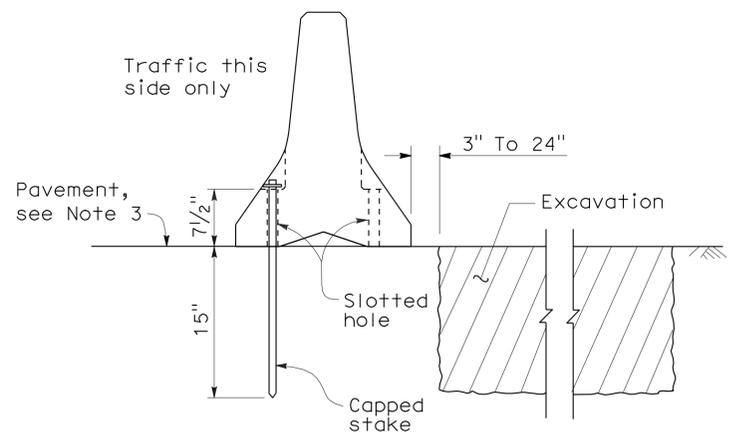
SECTION I-I

NOTES:

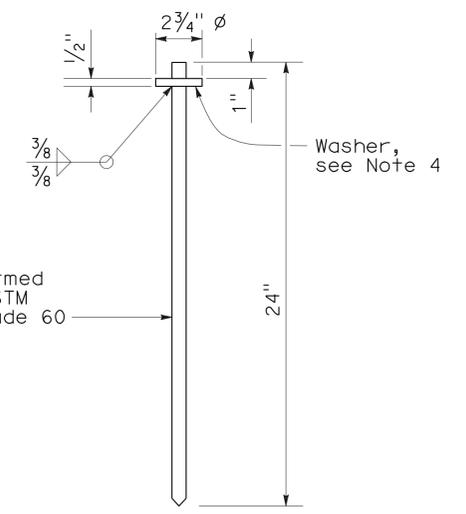
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of 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



SECTION J-J

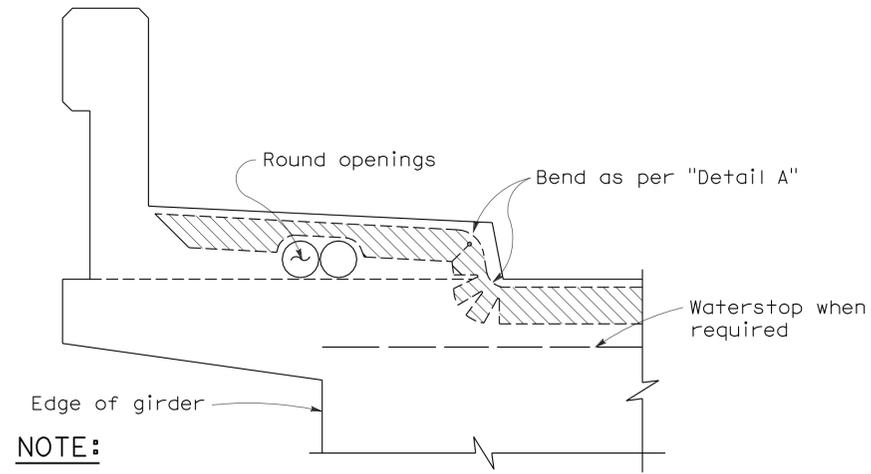
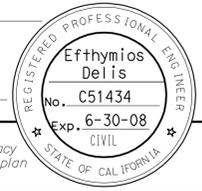


CAPPED STAKE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY RAILING
(TYPE K)**
NO SCALE

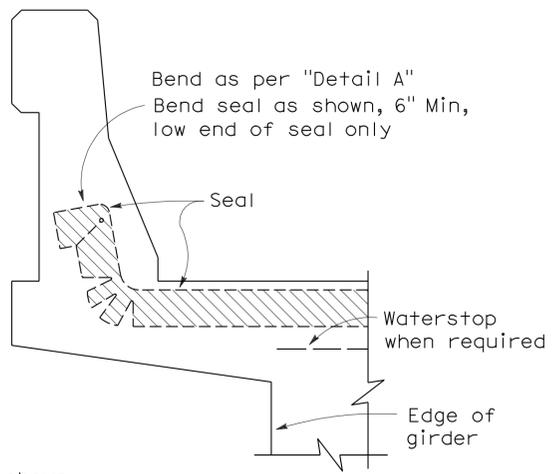
NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T3A

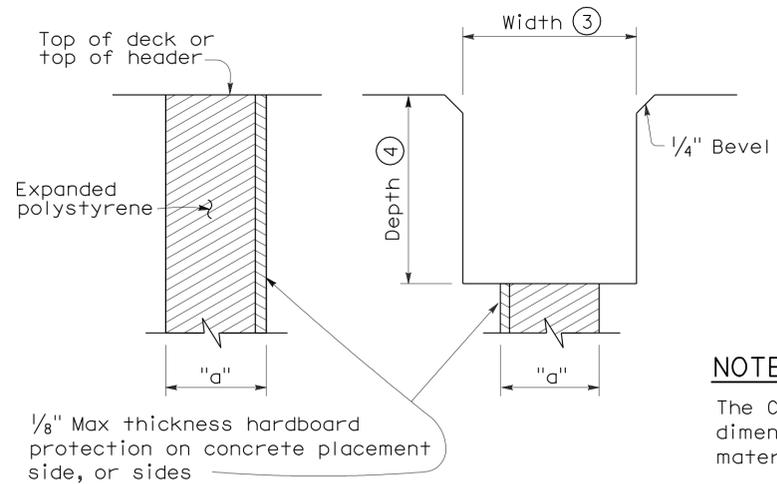


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



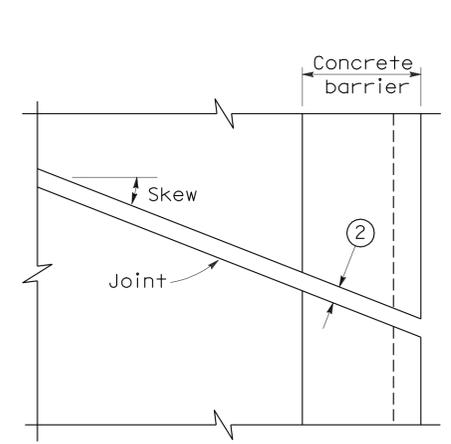
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

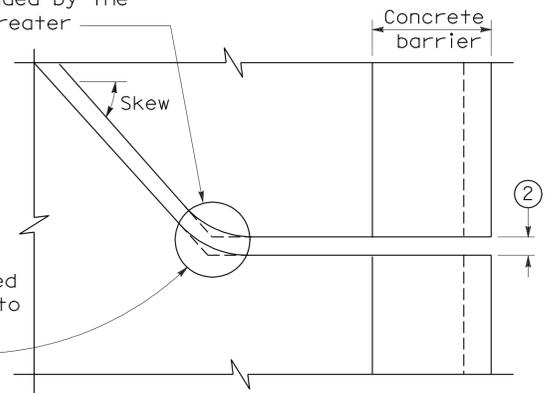
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



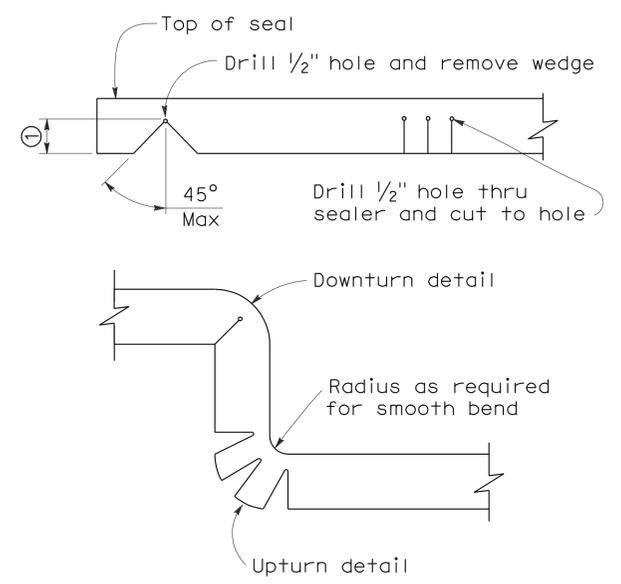
PLAN OF JOINT (SKEW ≤ 20°)

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.

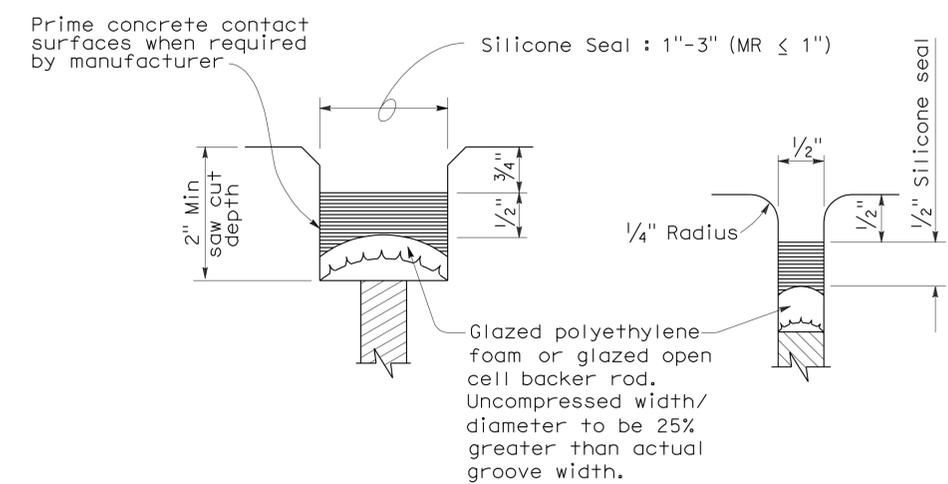


DETAIL A

- 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"

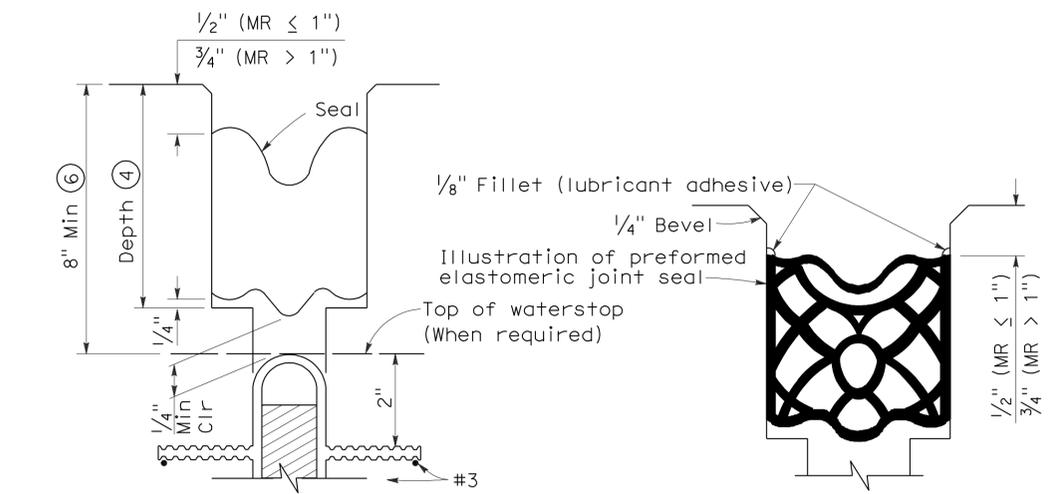


TYPE A SEAL

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"

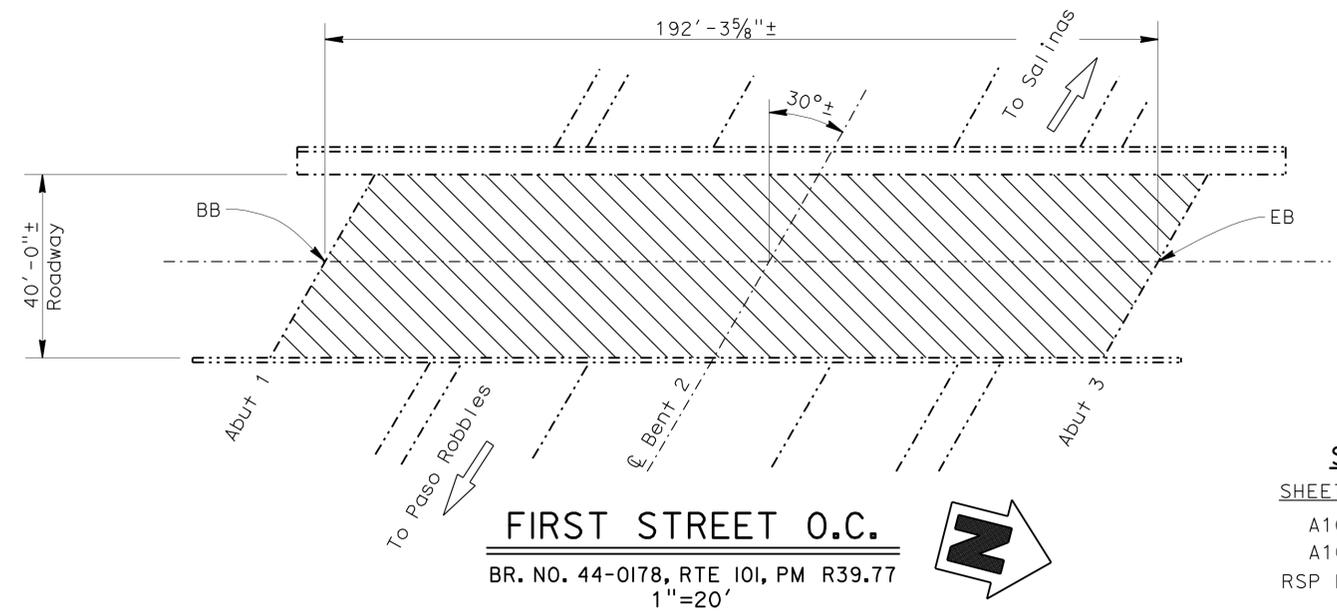
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
JOINT SEALS
(MAXIMUM MOVEMENT RATING = 2")
 NO SCALE

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.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1,101	Var	9	15

12-16-11
 REGISTERED CIVIL ENGINEER DATE
 2-21-12
 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
 Hossein Moazami
 No. 60058
 Exp. 6-30-2012
 CIVIL
 STATE OF CALIFORNIA



Notes:

----- Indicates existing structure.

Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.

FIRST STREET O.C.
 BR. NO. 44-0178, RTE 101, PM R39.77
 1"=20'

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")

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	JOINT SEAL DETAILS
7	STRUCTURE APPROACH TYPE R(30S)

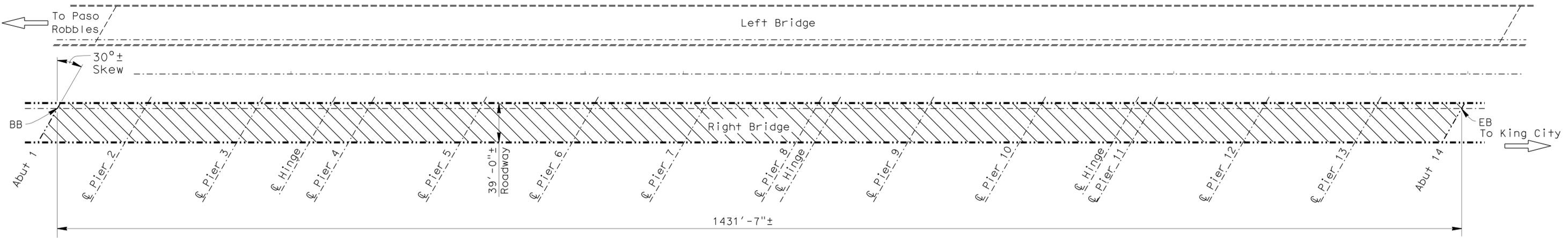
FIRST STREET OC BR. NO. 44-0178
 QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	7,690	SQFT
TREAT BRIDGE DECK	7,690	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	86	GAL



SALINAS RIVER BR. NO. 44-0177R
 QUANTITIES

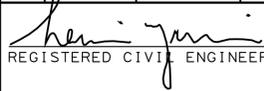
PREPARE CONCRETE BRIDGE DECK SURFACE	55,840	SQFT
TREAT BRIDGE DECK	55,840	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	623	GAL

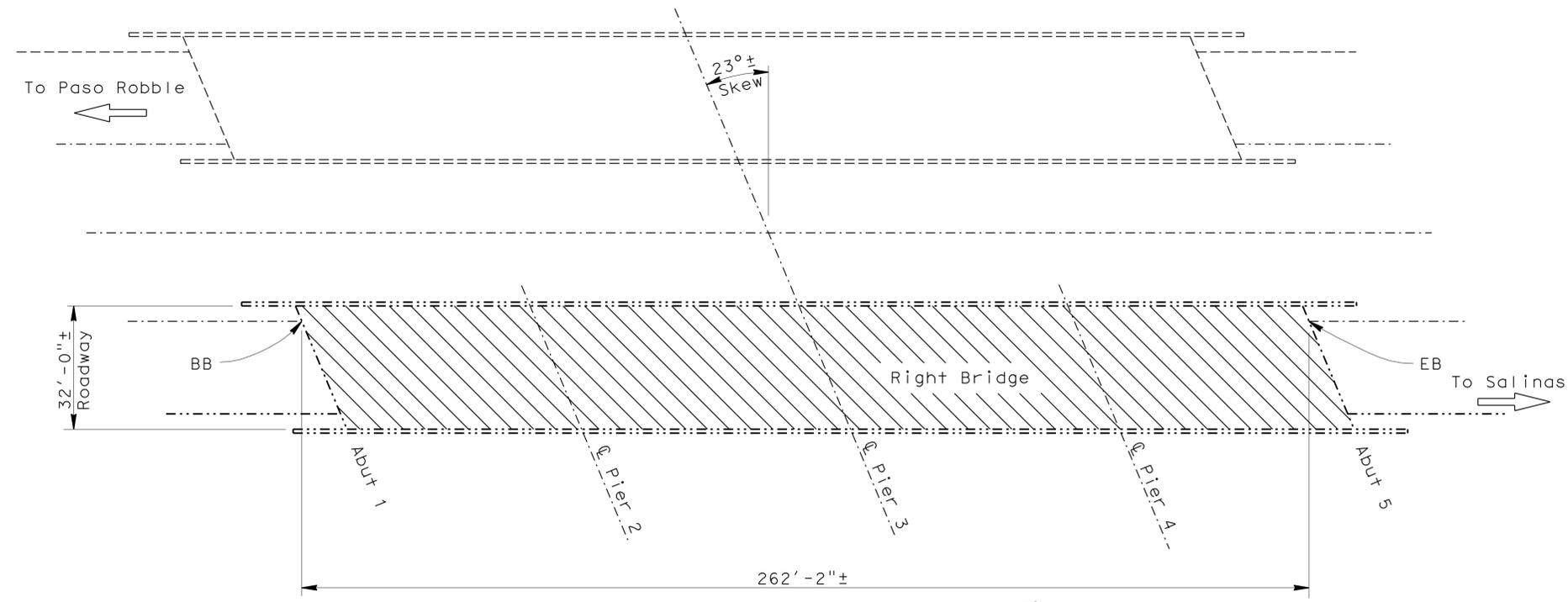
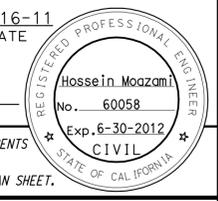


SALINAS RIVER
 BR. NO. 44-0177R, RTE 101, PM R30.80
 1"=50'

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

 12-16-11 DESIGN ENGINEER	DESIGN	BY Franz Espinoza	CHECKED Hossein Moazami	LAYOUT	BY Trung Lam	CHECKED Hossein Moazami	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 1 AND 101 BRIDGES GENERAL PLAN NO. 1			
	DETAILS	BY Trung Lam	CHECKED Franz Espinoza	SPECIFICATIONS	BY Dave Klein	CHECKED Dave Klein			POST MILE	VARIES				
	QUANTITIES	BY Franz Espinoza	CHECKED Hossein Moazami											
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: 3488	PROJECT NUMBER & PHASE: 0500020348 - 1	CONTRACT NUMBER: 05-1A4801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 1 OF 7

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1,101	Var	10	15
 REGISTERED CIVIL ENGINEER			12-16-11	DATE	
PLANS APPROVAL DATE 2-21-12					
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.					



SAN LORENZO CREEK BR. NO. 44-0179R

QUANTITIES

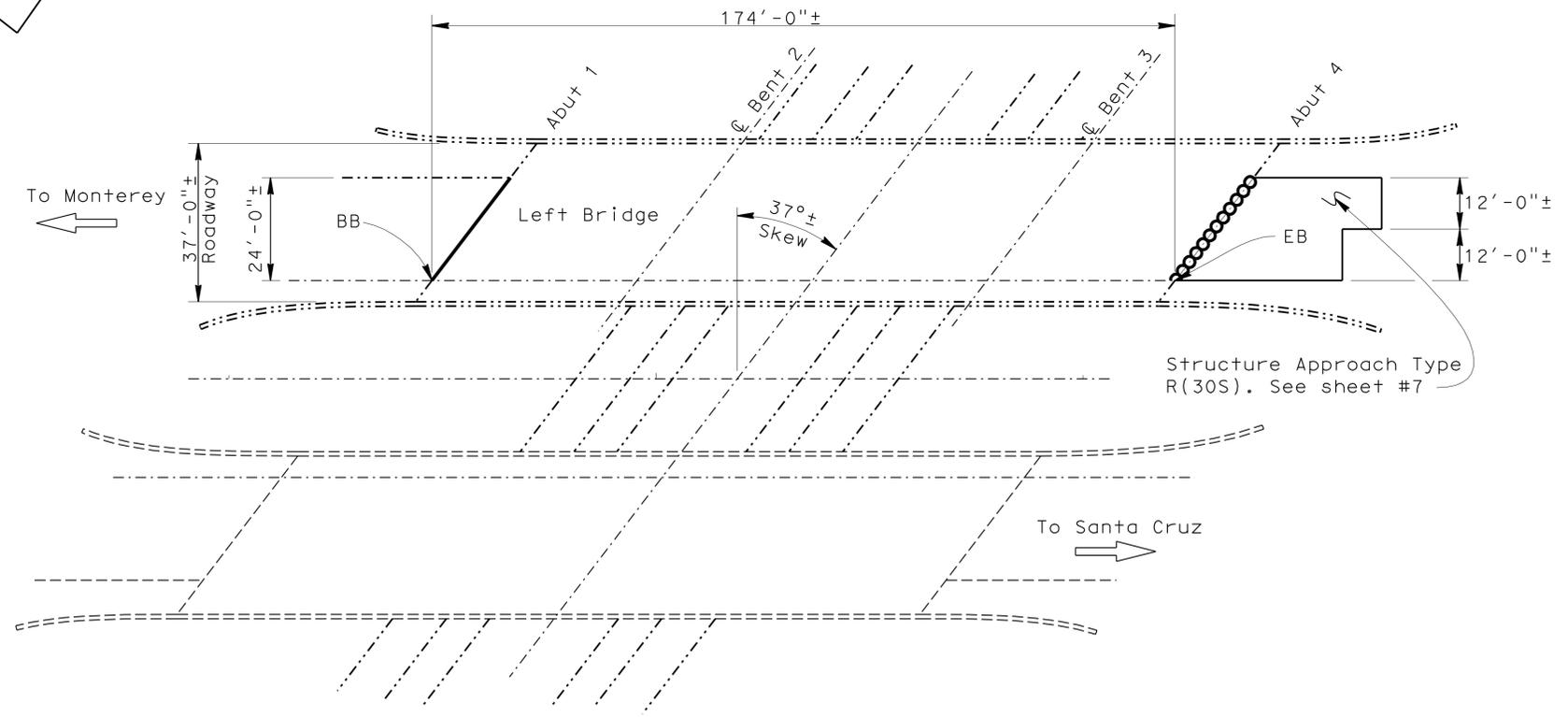
PREPARE CONCRETE BRIDGE DECK SURFACE	8,390	SQFT
TREAT BRIDGE DECK	8,390	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	94	GAL

SAN LORENZO CREEK
 BR. NO. 44-0179R, RTE 101, PM R40.42
 1"=20'



Notes:

- Indicates existing structure.
-  Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.
-  Indicates clean expansion joint and place new joint seal. For details see "JOINT SEAL DETAILS" sheet.
-  Indicates place new joint seal. For details see "JOINT SEAL DETAILS" sheet.



ROUTE 1/218 SEPARATION BR. NO. 44-0162L

QUANTITIES

AGGREGATE BASE (APPROACH SLAB)	3	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	31	CY
CLEAN EXPANSION JOINT	31	LF
JOINT SEAL (MR 1")	62	LF

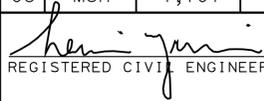
RTE 1/218 SEPARATION
 BR. NO. 44-0162L, RTE 1, PM R79.33
 1"=20'



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

 12-16-11 DESIGN ENGINEER	DESIGN	BY Franz Espinoza	CHECKED Hossein Moazami	LAYOUT	BY Trung Lam	CHECKED Hossein Moazami	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTE 1 AND 101 BRIDGES GENERAL PLAN NO. 2	
	DETAILS	BY Trung Lam	CHECKED Franz Espinoza	SPECIFICATIONS	BY Dave Klein	CHECKED Dave Klein			POST MILE VARIES		
QUANTITIES	BY Franz Espinoza	CHECKED Hossein Moazami							REVISION DATES	SHEET 2	OF 7

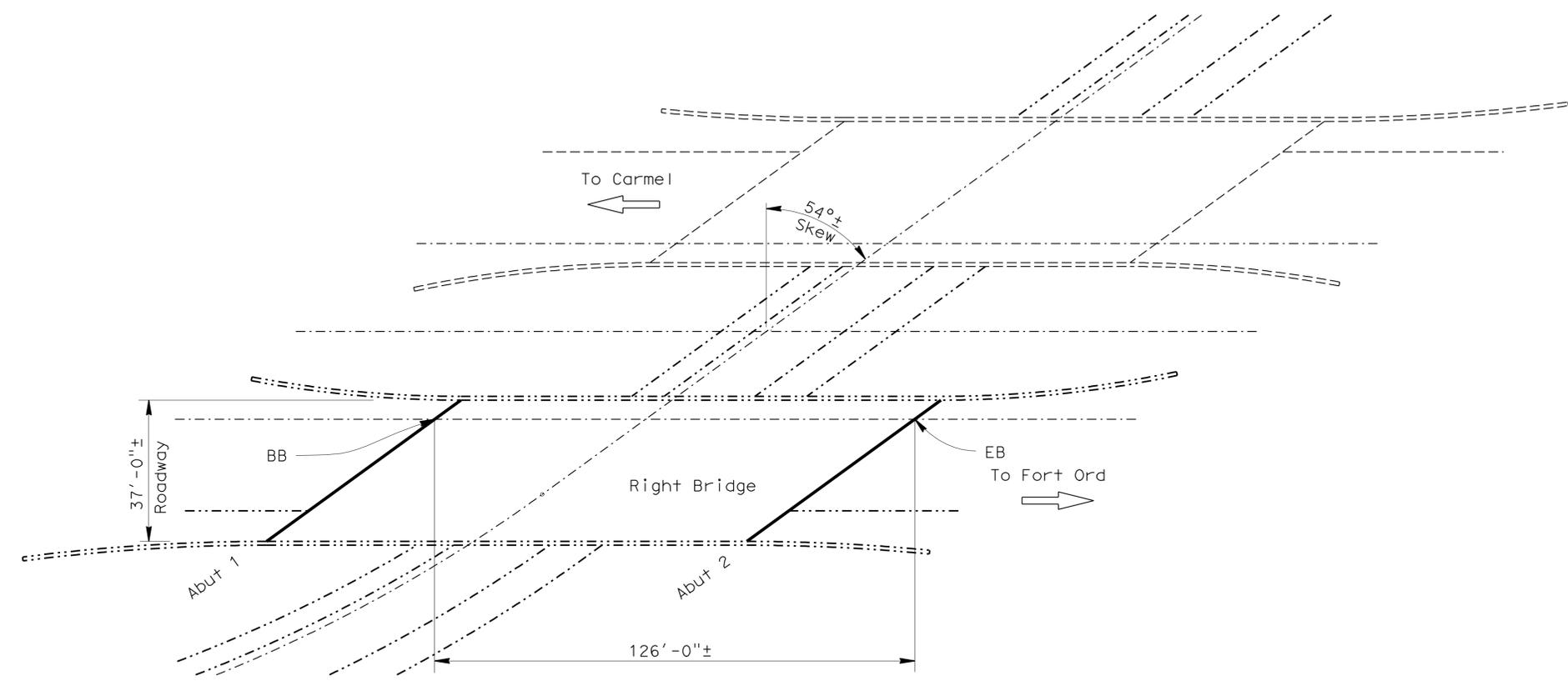
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT: 3488 PROJECT NUMBER & PHASE: 0500020348 - 1 CONTRACT NUMBER: 05-1A4801 DISREGARD PRINTS BEARING EARLIER REVISION DATES 12-16-11 04-19-08 11-14-11

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1,101	Var	11	15
 REGISTERED CIVIL ENGINEER			12-16-11	DATE	
2-21-12 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:

- - - - - Indicates existing structure.
- Indicates clean expansion joint and place new joint seal. For details see "JOINT SEAL DETAILS" sheet.



MUNRAS AVENUE UNDERCROSSING	BR. No. 44-0145R
QUANTITIES	
CLEAN EXPANSION JOINT	130 LF
JOINT SEAL (MR 1/2")	130 LF

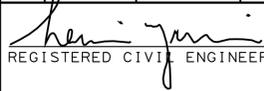
MUNRAS AVENUE U.C.
 BR. No. 44-0145R, RTE 1, PM R75.74
 1"=20'

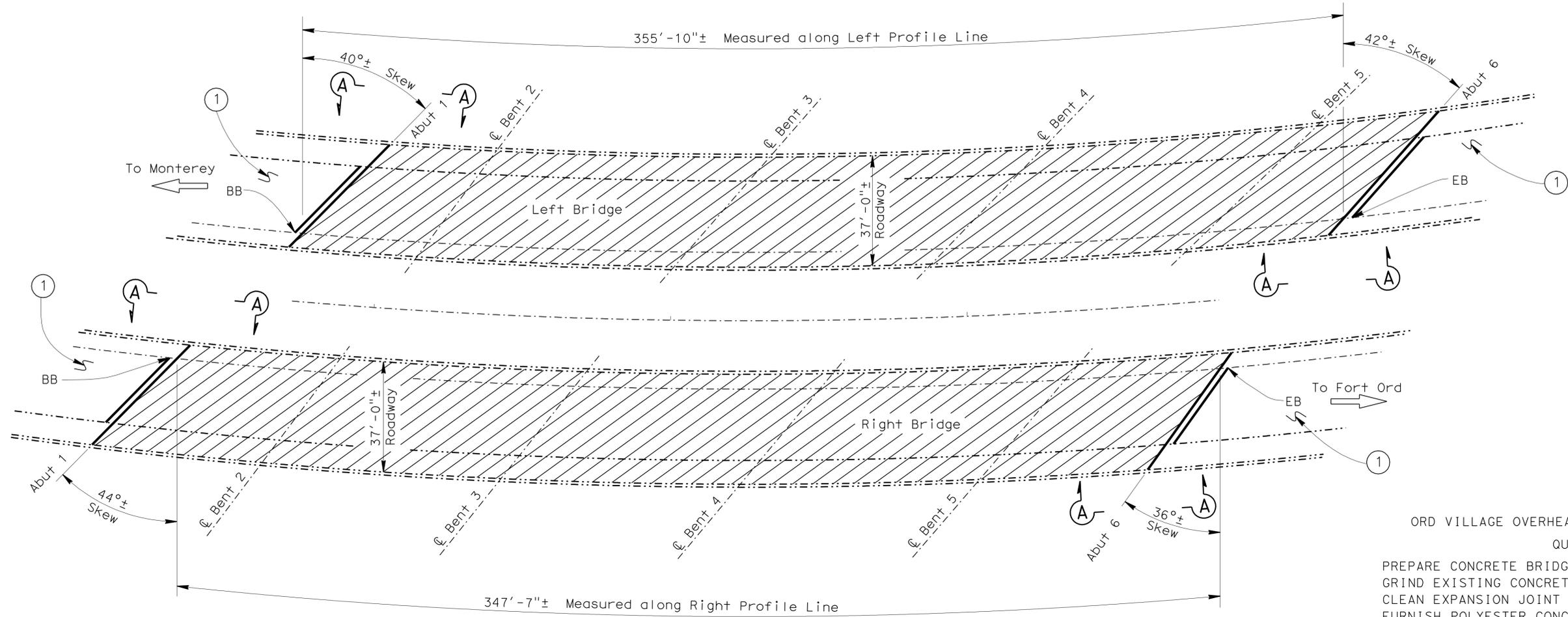


NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

 12-16-11 DESIGN ENGINEER	DESIGN	BY Franz Espinoza	CHECKED Hossein Moazami	LAYOUT	BY Trung Lam	CHECKED Hossein Moazami	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 1 AND 101 BRIDGES GENERAL PLAN NO. 3					
	DETAILS	BY Trung Lam	CHECKED Franz Espinoza	SPECIFICATIONS	BY Dave Klein	CHECKED Dave Klein			VARIOUS						
	QUANTITIES	BY Franz Espinoza	CHECKED Hossein Moazami					POST MILE							
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: 3488	PROJECT NUMBER & PHASE: 0500020348 - 1	CONTRACT NUMBER: 05-1A4801	DISREGARD EARLIER REVISION DATES	BEARING	REVISION DATES	SHEET 3 OF 7

USERNAME => S109858 DATE PLOTTED => 22-FEB-2012 TIME PLOTTED => 08:37

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1,101	Var	12	15
 REGISTERED CIVIL ENGINEER DATE 12-16-11					
2-21-12 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>					



ORD VILLAGE OVERHEAD

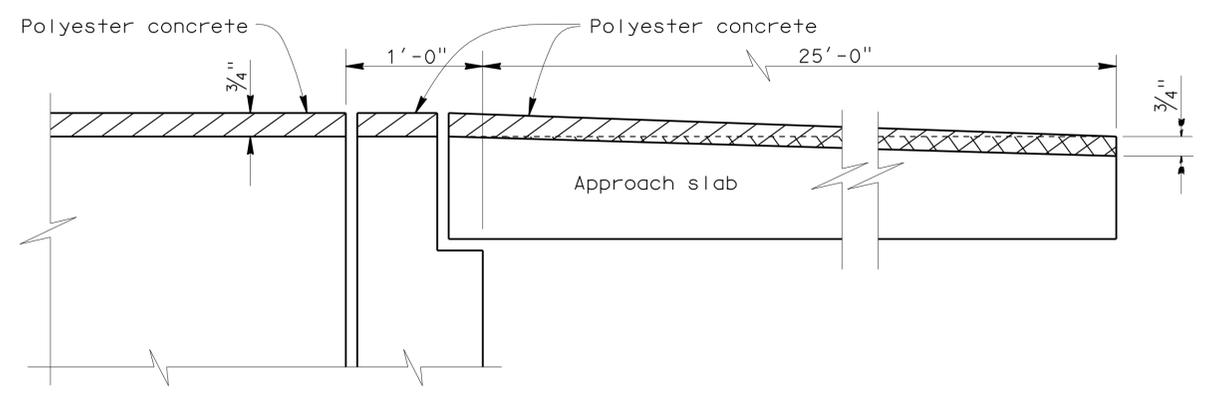
BR. No. 44-0158R/L, RTE 1, PM R80.67
1"=20'



ORD VILLAGE OVERHEAD BR. No. 44-0158R/L

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	30,700	SQFT
GRIND EXISTING CONCRETE PAVEMENT	140	SQYD
CLEAN EXPANSION JOINT	332	LF
FURNISH POLYESTER CONCRETE OVERLAY	2,320	CF
PLACE POLYESTER CONCRETE OVERLAY	30,700	SQFT
JOINT SEAL (MR 1")	332	LF



SECTION A-A (Typ)

No scale

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

Notes:

- Indicates existing structure.
- Indicates clean expansion joint and place new joint seal. For details see "JOINT SEAL DETAILS" sheet.
-  Indicates limits of prepare concrete Bridge Deck Surface and place new 3/4" thick polyester concrete overlay.
-  Indicates limits of grind PCC approach.
- ① See Section A-A (Typ) for transition from existing roadway to top of new polyester concrete overlay.

 DESIGN ENGINEER 12-16-11	DESIGN	By Franz Espinoza	CHECKED Hossein Moazami	LAYOUT	By Trung Lam	CHECKED Hossein Moazami	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 1 AND 101 BRIDGES GENERAL PLAN NO. 4	
	DETAILS	By Trung Lam	CHECKED Franz Espinoza	SPECIFICATIONS	By Dave Klein	PLANS AND SPECIFICATIONS COMPARED Dave Klein			VARIOUS		
	QUANTITIES	By Franz Espinoza	CHECKED Hossein Moazami					POST MILE			
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: 3488	PROJECT NUMBER & PHASE: 0500020348 - 1	CONTRACT NUMBER: 05-1A4801
								DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 12-16-11 3-04-11 9-08-11 11-14-11	SHEET 4	OF 7

USERNAME => S1099558 DATE PLOTTED => 22-FEB-2012 TIME PLOTTED => 08:43:37

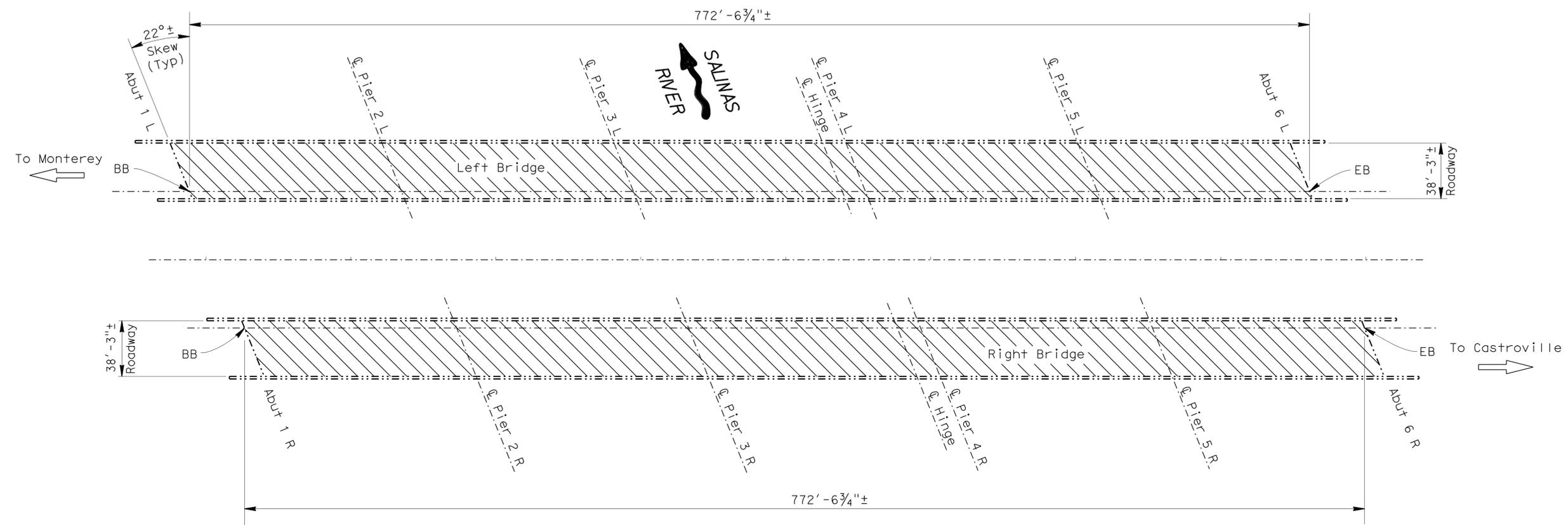
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1,101	Var	13	15

Hossein Moazami 12-16-11
 REGISTERED CIVIL ENGINEER DATE
 2-21-12
 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
 Hossein Moazami
 No. 60058
 Exp. 6-30-2012
 CIVIL
 STATE OF CALIFORNIA

Notes:

- Indicates existing structure.
- Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.



SALINAS RIVER
 BR. No. 44-0216R/L, RTE 1, PM R89.19
 1"=40'



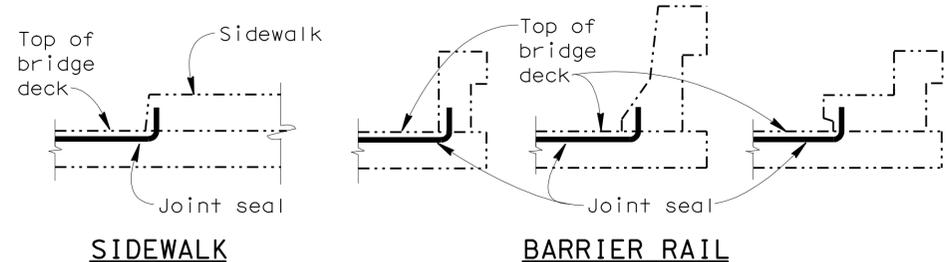
SALINAS RIVER BR. No. 44-0216R/L
 QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	59,101	SQFT
TREAT BRIDGE DECK	59,101	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	660	GAL

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

 12-16-11 DESIGN ENGINEER	DESIGN	BY Franz Espinoza	CHECKED Hossein Moazami	LAYOUT	BY Trung Lam	CHECKED Hossein Moazami	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 1 AND 101 BRIDGES GENERAL PLAN NO. 5
	DETAILS	BY Trung Lam	CHECKED Franz Espinoza	SPECIFICATIONS	BY Dave Klein	CHECKED Dave Klein			POST MILE	
QUANTITIES	BY Franz Espinoza	CHECKED Hossein Moazami					UNIT: 3488 PROJECT NUMBER & PHASE: 0500020348 - 1 CONTRACT NUMBER: 05-1A4801		VARIES	DISREGARD PRINTS BEARING EARLIER REVISION DATES
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		REVISION DATES	SHEET 5 OF 7

USERNAME => S1029558 DATE PLOTTED => 22-FEB-2012 TIME PLOTTED => 08:37

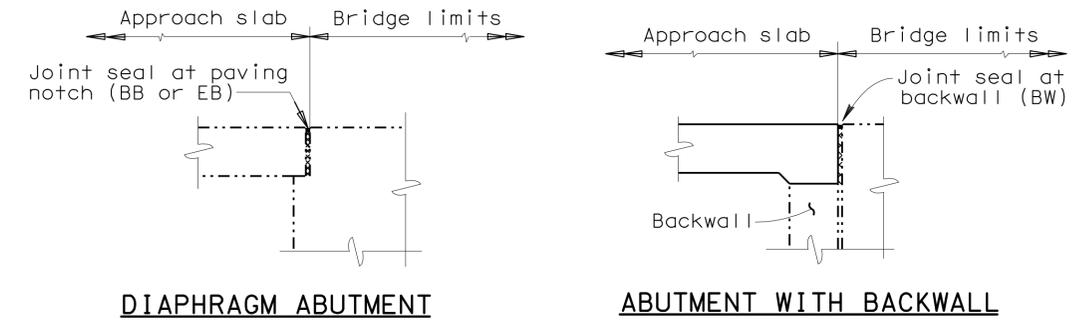


SIDEWALK **BARRIER RAIL**

JOINT SEAL AT LOW SIDE OF DECK

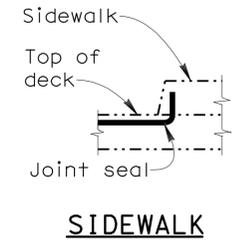
Notes: Details shown for illustration purposes only.
 For use only where deck joint matches the sidewalk, curb or barrier rail joint.

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



DIAPHRAGM ABUTMENT **ABUTMENT WITH BACKWALL**

JOINT SEAL LOCATION



SIDEWALK

JOINT SEAL AT LOW SIDE OF DECK

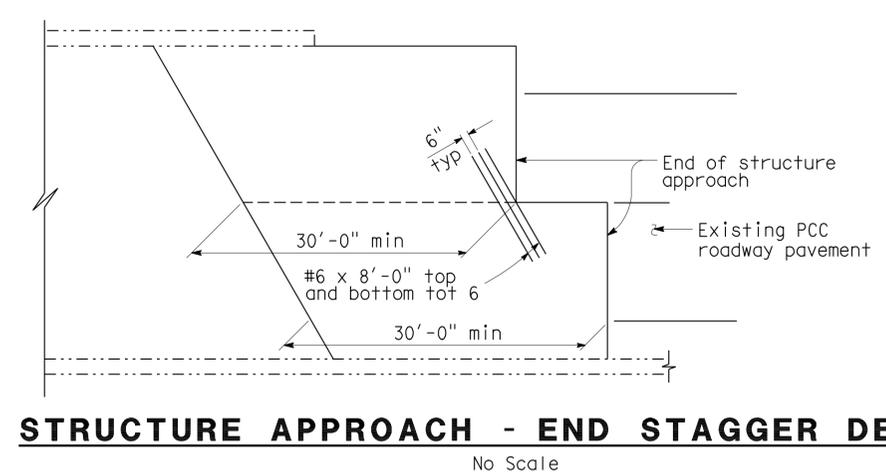
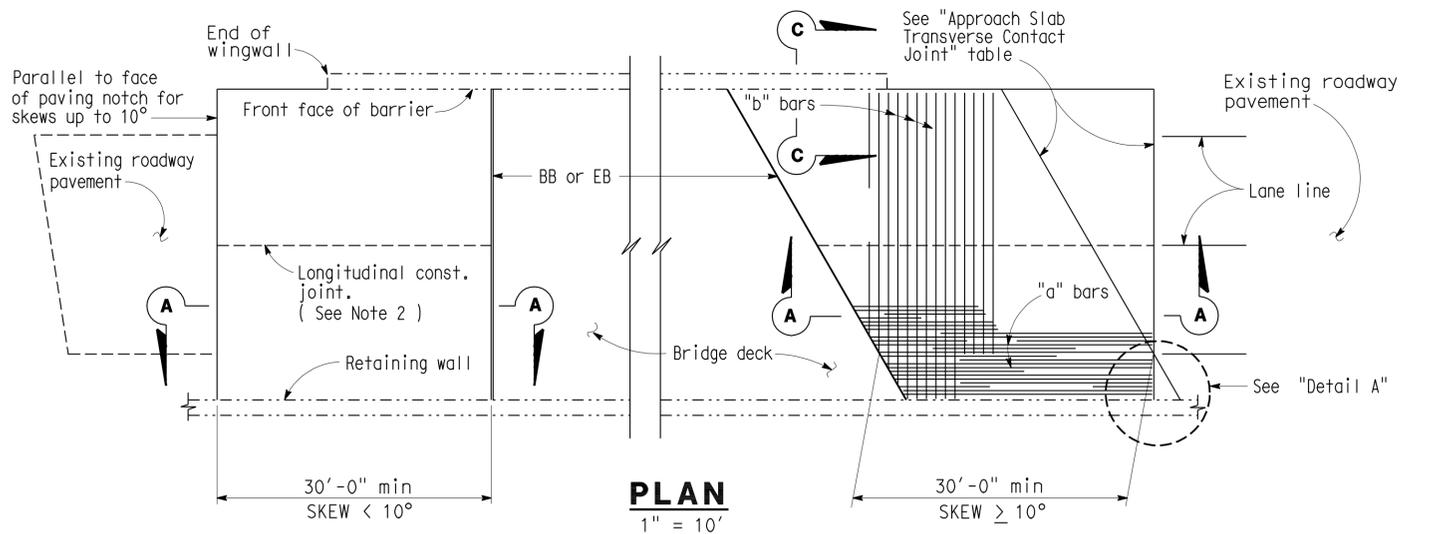
Details shown for illustration purposes only.
 For use only where deck joint matches the sidewalk, curb or barrier rail joint.

JOINT SEAL TABLE						
BRIDGE NUMBER	LOCATION		MINIMUM "MR" (inches)	APPROXIMATE LENGTH (feet)	EXISTING WATERSTOP	APPROXIMATE DEPTH TO CLEAN EXPANSION JOINT (inches)
44-0162L	Abut 1	PN	1.0	31.0	No	12
	Abut 4	PN	1.0	31.0	No	12
44-0145R	Abut 1	PN	1/2	65.0	No	12
	Abut 2	PN	1/2	65.0	No	12
44-0158R/L	Abut 1	BW	1.0	104.0	No	12
	Abut 1	PN	1.0	68.0	No	12
	Abut 6	BW	1.0	97.0	No	12
	Abut 6	PN	1.0	63.0	No	12

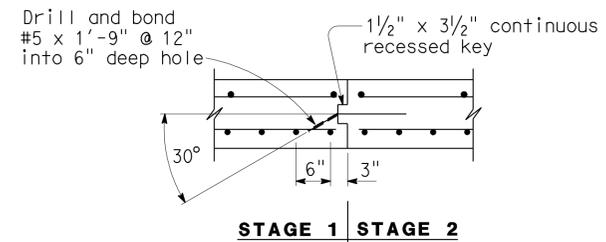
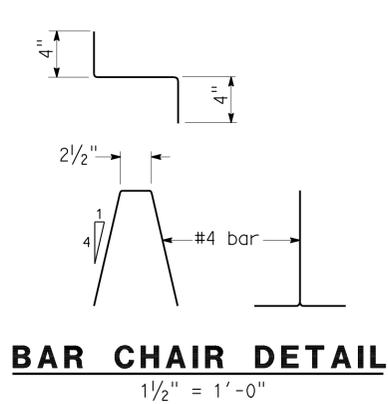
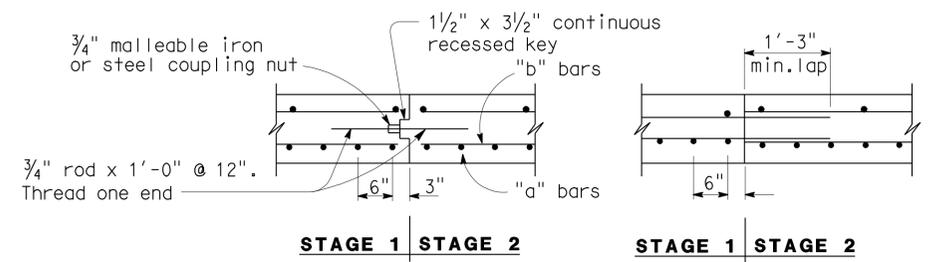
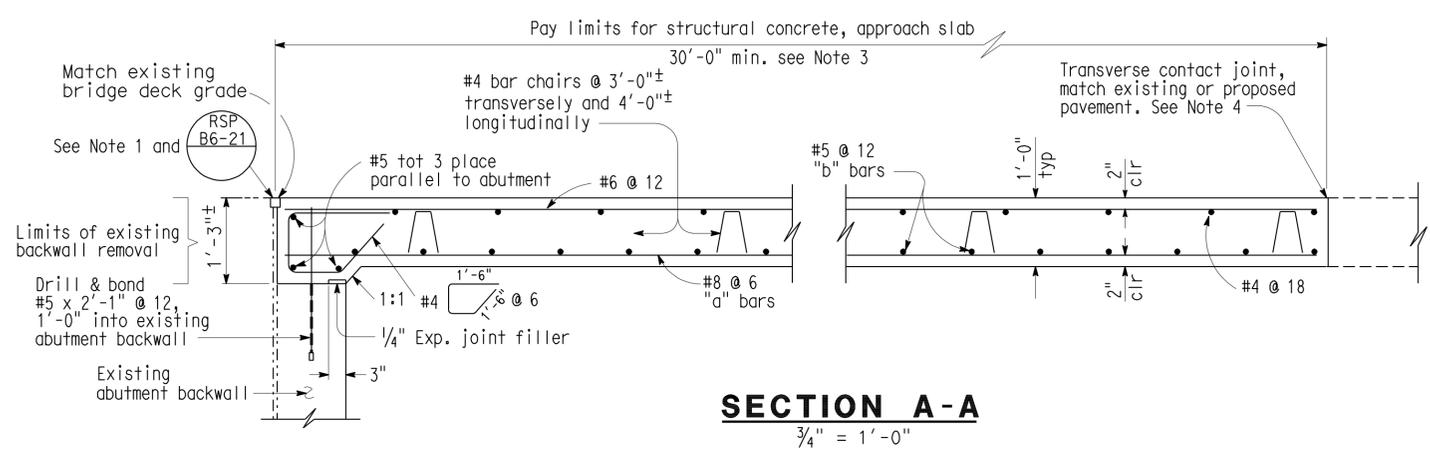
BW = Back Wall
 PN = Paving Notch

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

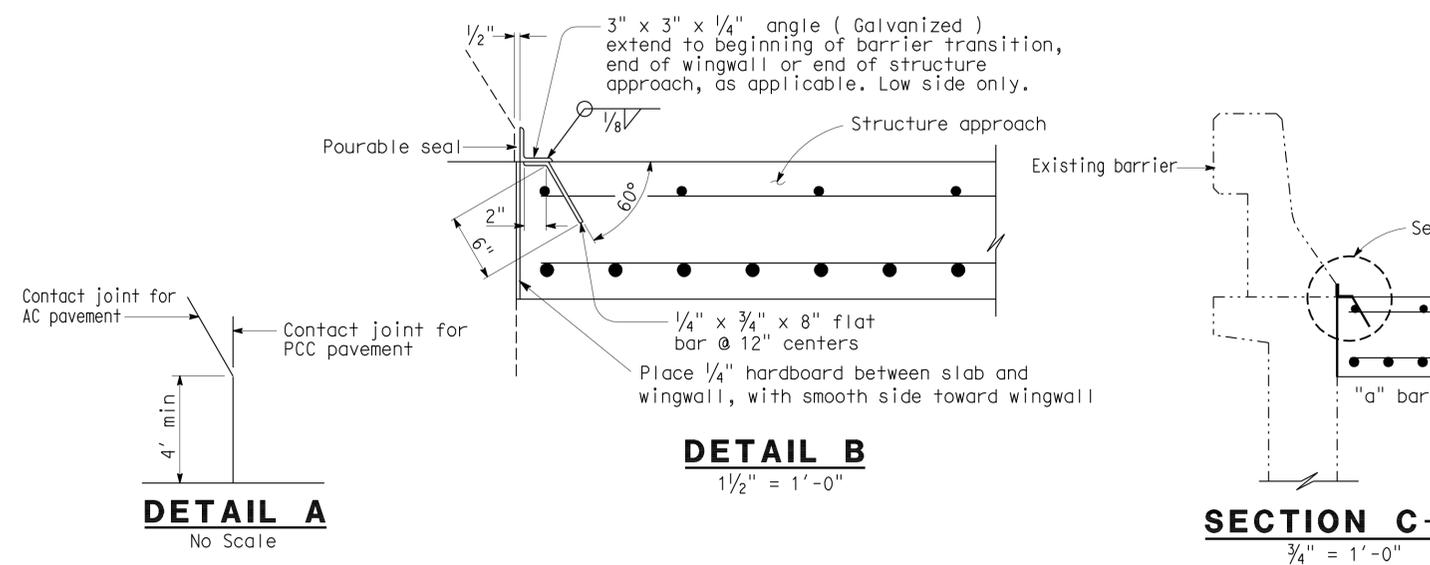
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1,101	Var	15	15
 REGISTERED CIVIL ENGINEER DATE 12-16-11					
2-21-12 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					



NOTE:
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- NOTES:**
- Sealed joint, for M.R. see Structure Plans. Adjust bar reinforcement to clear a sawcut for sealed joint, when required.
 - Longitudinal construction joints, when permitted by the Engineer, shall be located on lane lines.
 - Transverse contact joint shall be a minimum of 5' from an existing or constructed weakened plane joint.
 - For transverse contact joint with new PCC paving, refer to Standard Plan A35-A.
 - All bar reinforcements shall be epoxy coated.



APPROACH SLAB TRANSVERSE CONTACT JOINT		
APPROACH SKEW	WITH AC ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
< 10°	Parallel to face of paving notch	Parallel to face of paving notch
10° - 45°	Parallel to face of P N use (Detail A)	Stagger lines 24' to 36' apart
> 45°	Parallel to face of P N use (Detail A)	Stagger at each lane line