

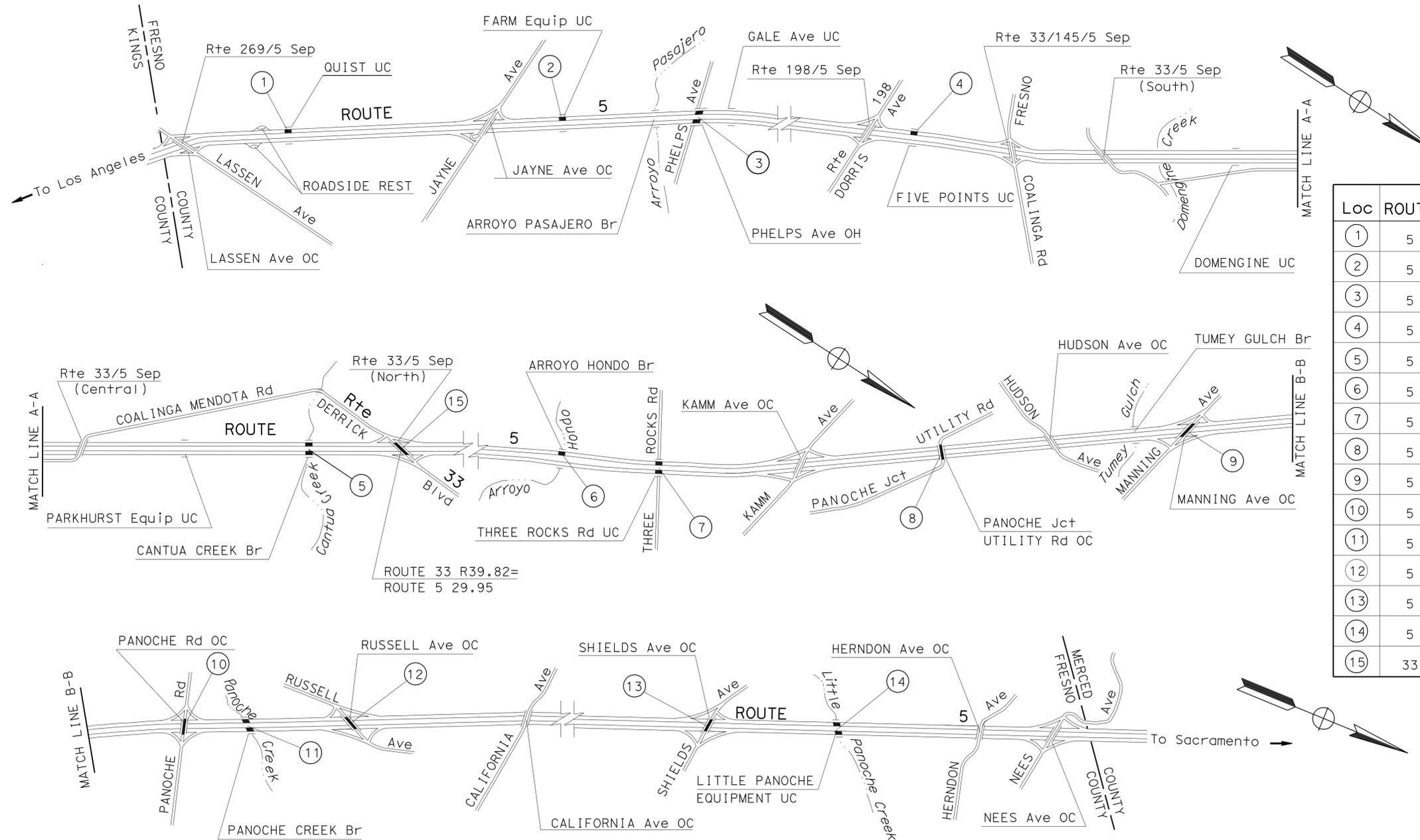
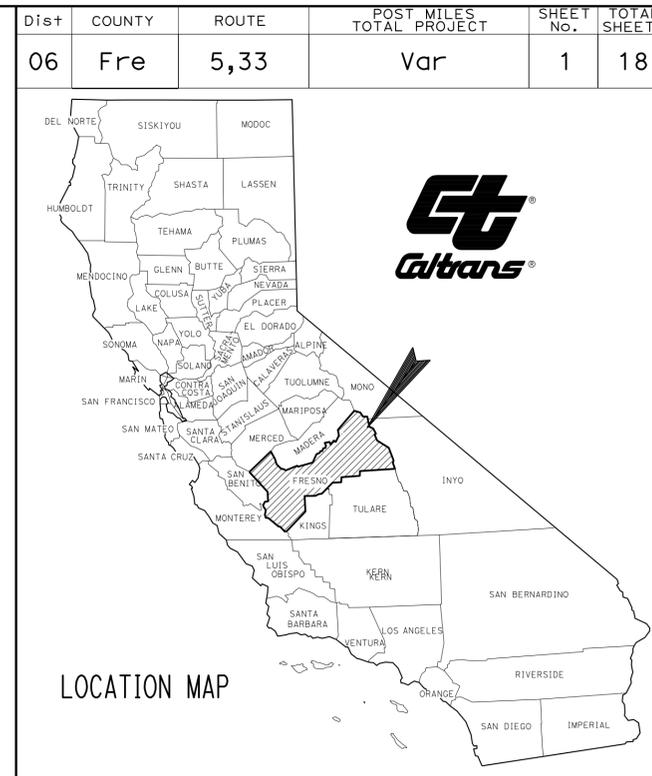
INDEX OF PLANS

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1	TITLE AND LOCATION MAP
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3	CONSTRUCTION AREA SIGNS
4-7	REVISED AND NEW STANDARD PLANS
STRUCTURE PLANS	
8-18	ROUTE 5 & 33 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 FRESNO COUNTY  
AT  
VARIOUS LOCATIONS**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION

Loc	ROUTE	PM	DESCRIPTION	BRIDGE No.
①	5	1.70	QUIST UC (METHACRYLATE)	42-0274L
②	5	5.86	FARM EQUIPMENT UC (METHACRYLATE, JOINT SEALS)	42-0258L
③	5	8.81	PHELPS AVENUE OH (METHACRYLATE)	42-0233L/R
④	5	15.96	FIVE POINTS UC (JOINT SEALS)	42-0259L
⑤	5	28.50	CANTUA CREEK BRIDGE (APPROACH SLABS, JOINT SEALS)	42-0239L/R
⑥	5	33.62	ARROYO HONDO ROAD UC (APPROACH SLABS, JOINT SEALS)	42-0241L
⑦	5	35.26	THREE ROCKS ROAD UC (APPROACH SLABS, JOINT SEALS)	42-0242L/R
⑧	5	40.66	PANOCHÉ JUNCTION UTILITY ROAD OC (JOINT SEALS)	42-0244
⑨	5	45.80	MANNING AVENUE OC (JOINT SEALS)	42-0247
⑩	5	48.99	PANOCHÉ ROAD OC (JOINT SEALS)	42-0248
⑪	5	49.99	PANOCHÉ CREEK BRIDGE (METHACRYLATE, JOINT SEALS)	42-0249L/R
⑫	5	52.75	RUSSELL AVENUE OC (METHACRYLATE, JOINT SEALS)	42-0250
⑬	5	60.08	SHIELDS AVENUE OC (JOINT SEALS)	42-0253
⑭	5	62.20	LITTLE PANOCHÉ EQUIPMENT UC (METHACRYLATE, JOINT SEALS)	42-0276L/R
⑮	33	R39.82	ROUTE 33/5 SEPARATION (METHACRYLATE)	42-0240

PROJECT ENGINEER: SHUE X. VUE  
REGISTERED CIVIL ENGINEER  
DATE: 12-21-10  
February 7, 2011  
PLANS APPROVAL DATE  
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONTRACT No. **06-OG4604**  
PROJECT ID **0600020163**

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

NO SCALE

## STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
(A)	W20-1	ROAD WORK AHEAD	1- 4" x 6"	40
(B)	G20-2	END ROAD WORK	1- 4" x 4"	28

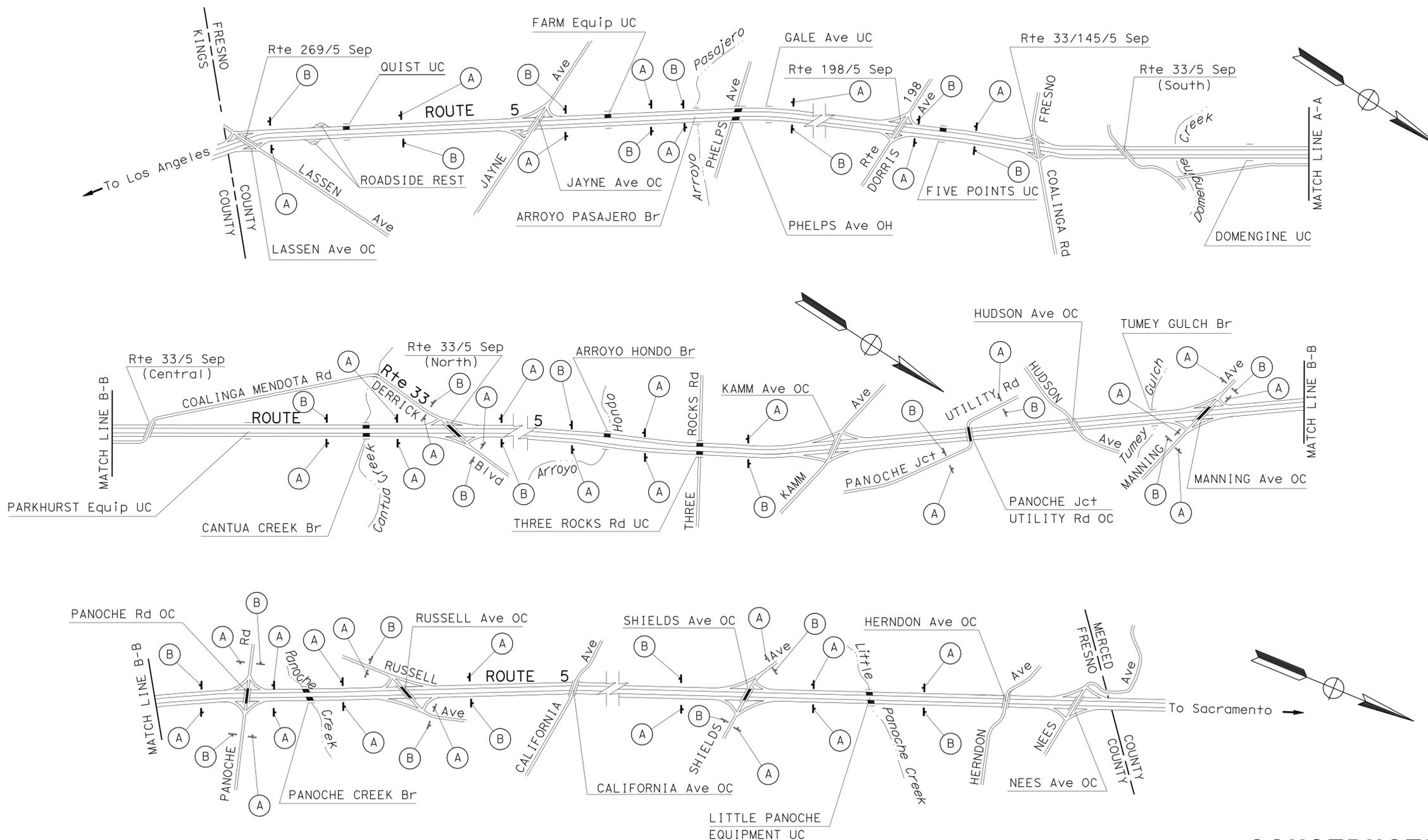
NOTE: EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5,33	Var	2	18

REGISTERED CIVIL ENGINEER DATE 12-21-10

2-7-11 PLANS APPROVAL DATE

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



NO SCALE

## CONSTRUCTION AREA SIGNS CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE DESIGN  
 FUNCTIONAL SUPERVISOR: FRANK GONZALEZ  
 CALCULATED/DESIGNED BY: CHECKED BY:  
 RENE SIQUEIROS SHUE VUE  
 REVISED BY: DATE REVISED:

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE DESIGN  
 FUNCTIONAL SUPERVISOR: FRANK GONZALEZ  
 CALCULATED/DESIGNED BY: RENE STOQUEIROS  
 CHECKED BY: SHUE VUE  
 REVISIONS: REVISED BY: DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5,33	Var	3	18

REGISTERED CIVIL ENGINEER DATE: 12-21-10  
 SHUE X. VUE  
 No. 63657  
 Exp 09-30-12  
 CIVIL  
 PLANS APPROVAL DATE: 2-7-11  
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.

**PAVEMENT DELINEATION QUANTITIES**

Loc	DETAIL No.	PAVEMENT MARKER (RETRO-REFLECTIVE)			THERMOPLASTIC TRAFFIC STRIPE		REMOVE PAVEMENT MARKER (N)	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE	
		TYPE D (YELLOW TWO WAY)	TYPE G (CLEAR ONE WAY)	TYPE H (YELLOW ONE WAY)	4" SOLID	4" (BROKEN 36 - 12)			
		EA	EA	EA	LF	LF			
①	12		3			100		150	
	25			3	100				100
	27B				100				
②	12		3			90			90
	25			3	90				
	27B				90				
③	12		10			360			360
	25			10	360				
	27B				360				
⑤	12		2			30			
	27B				30				
⑥	25			2	30				30
	27B				30				
⑦	12		3			90			
	25			3	60				60
	27B				90				
⑪	12		10			300			300
	25			10	300				
	27B				300				
⑫	22	32			700				
⑭	12		6			170			
	25			6	170				170
	27B				170				
⑮	22	28			620				
	27B				620				
SUBTOTAL		60	37	37	4220	1140			1110
TOTAL			134		4220	1140			1110

**SUMMARY OF QUANTITIES  
Q-1**

LAST REVISION: DATE PLOTTED => 08-FEB-2011  
 01-03-11 TIME PLOTTED => 12:35

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	5,33	Var	4	18

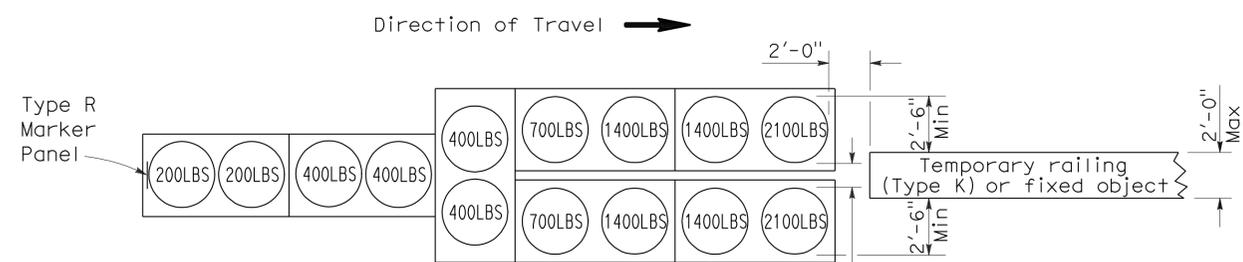
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

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.*

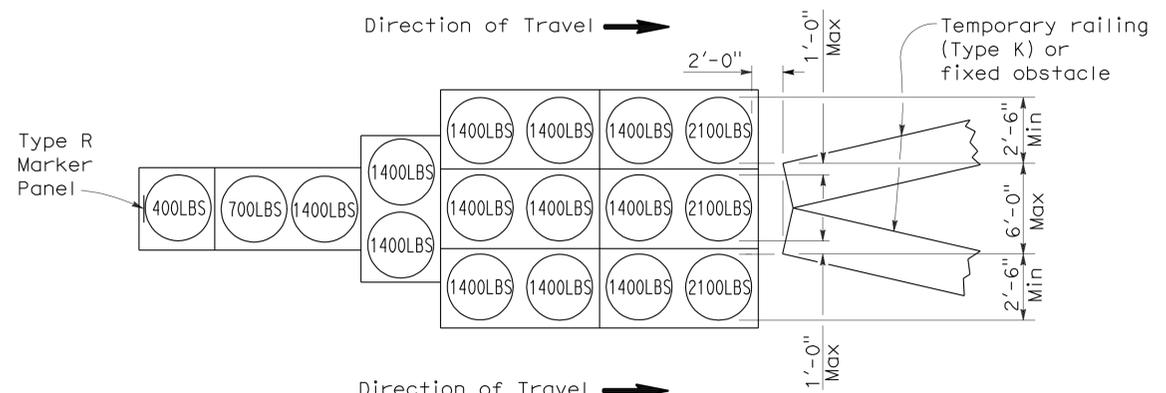
REGISTERED PROFESSIONAL ENGINEER  
Randell D. Hiatt  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

To accompany plans dated 2-7-11



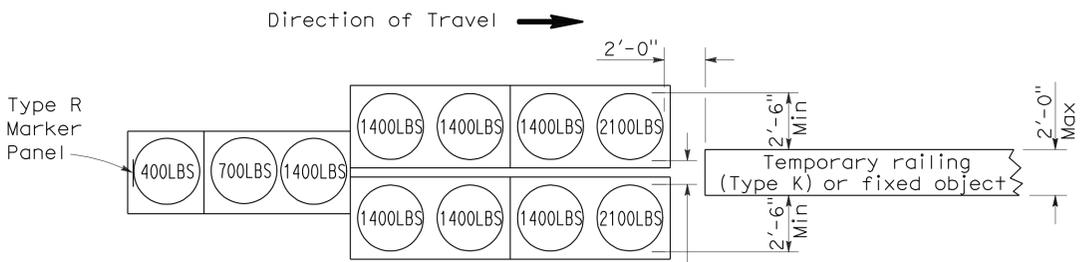
**ARRAY 'TU14'**

Approach speed 45 mph or more



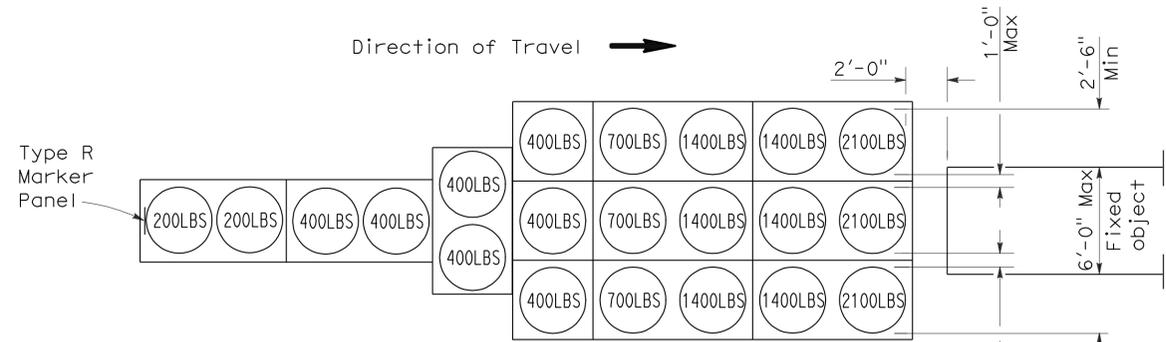
**ARRAY 'TU17'**

Approach speed less than 45 mph



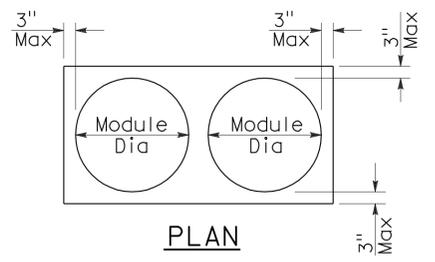
**ARRAY 'TU11'**

Approach speed less than 45 mph

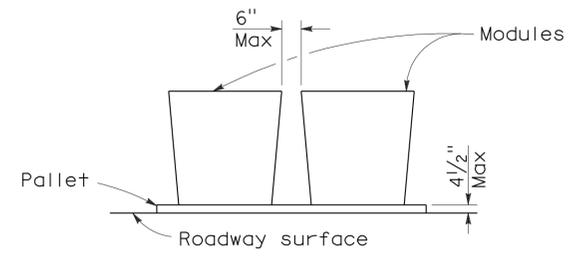


**ARRAY 'TU21'**

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

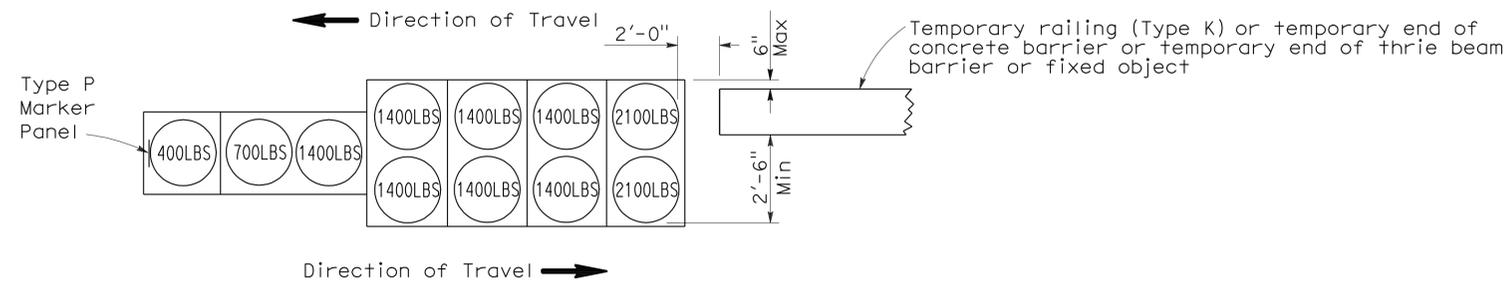
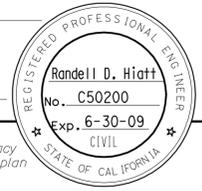
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	5,33	Var	5	18

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

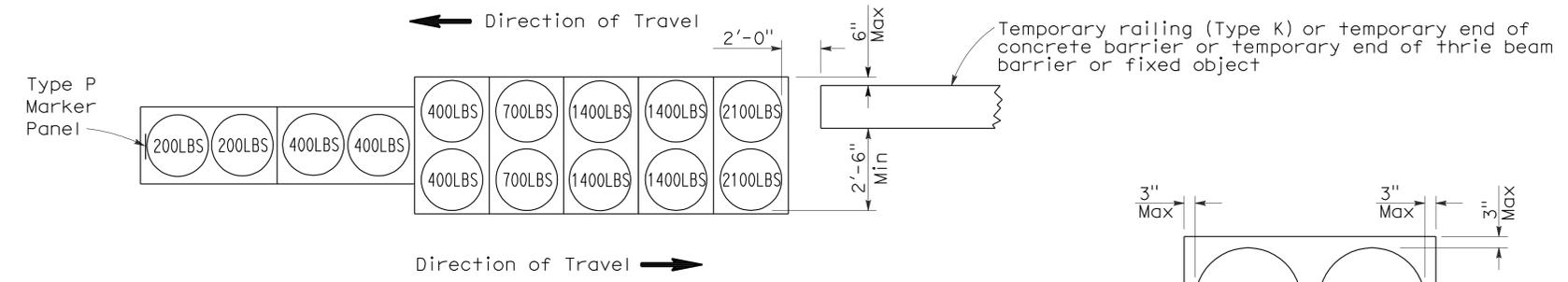
*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

To accompany plans dated 2-7-11



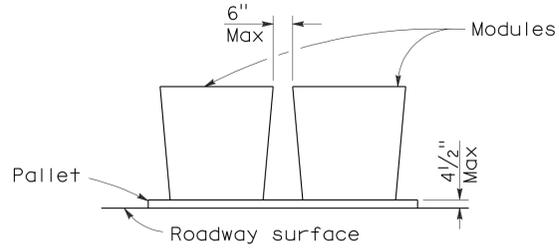
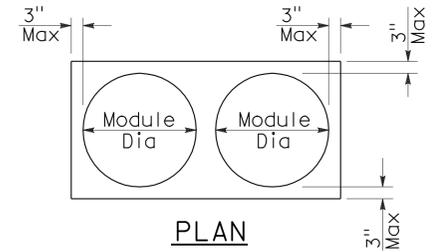
**ARRAY 'TB11'**

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

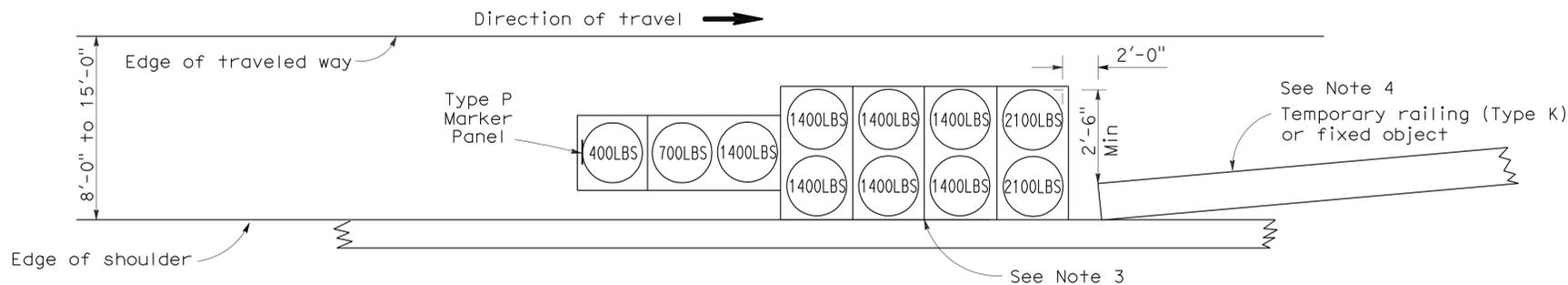
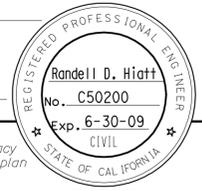
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	5,33	Var	6	18

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

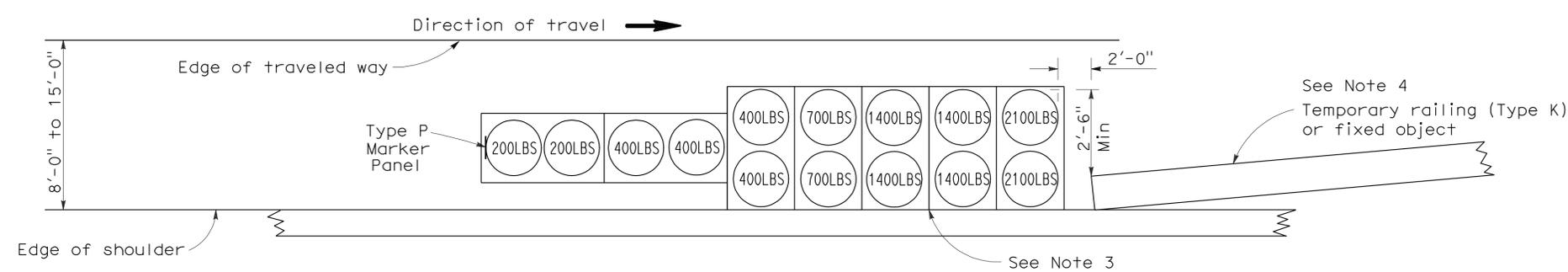
June 6, 2008  
PLANS APPROVAL DATE

*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.*

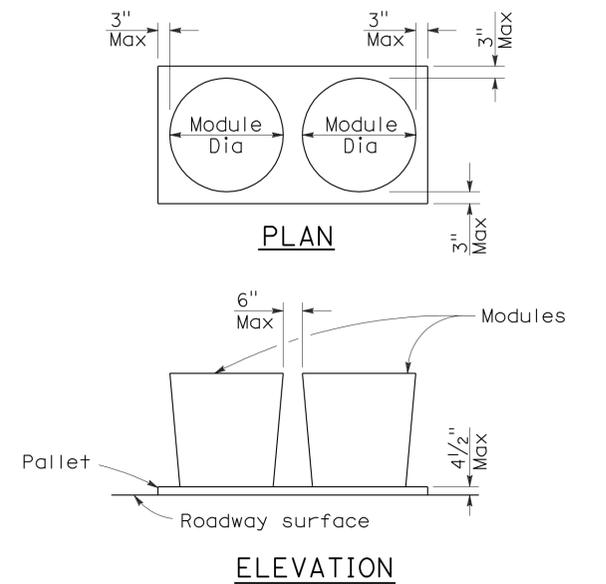
To accompany plans dated 2-7-11



**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.

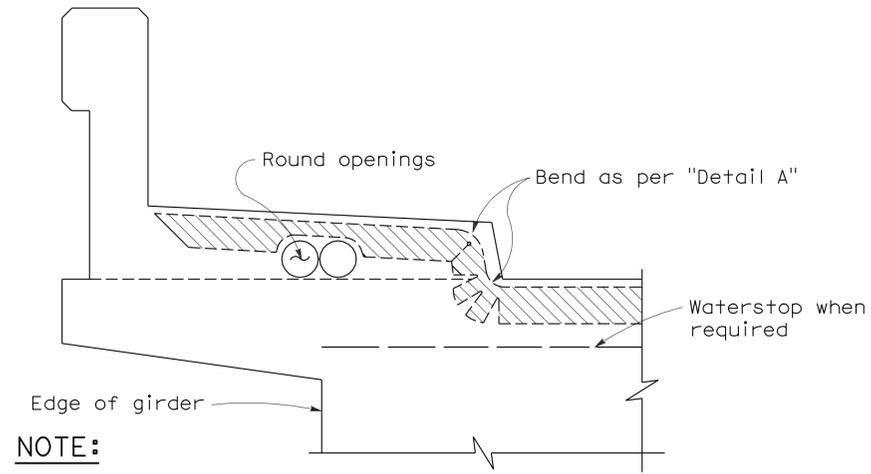
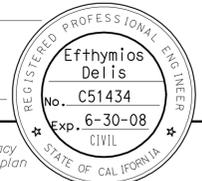
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**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.

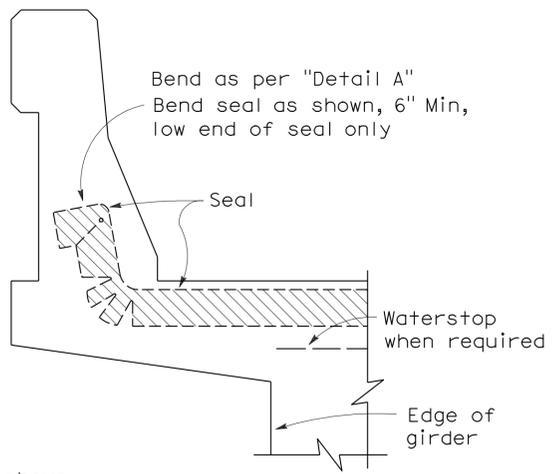
**REVISED STANDARD PLAN RSP T2**

2006 REVISED STANDARD PLAN RSP T2

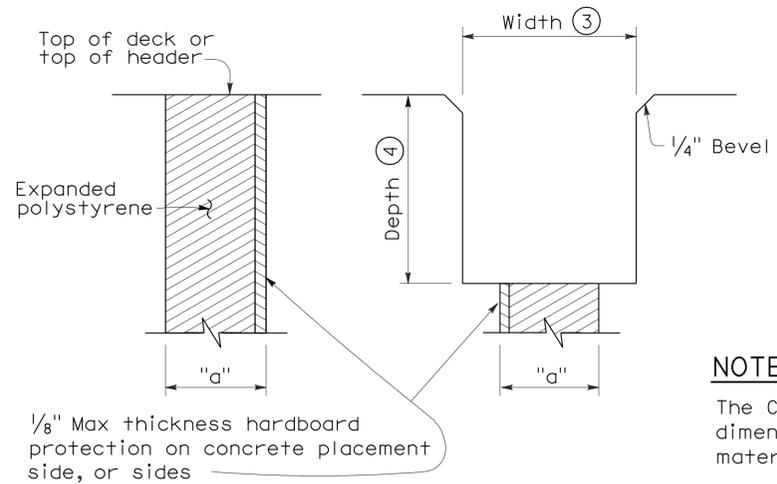


**NOTE:**  
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

**CONCRETE BARRIER AND SIDEWALK**



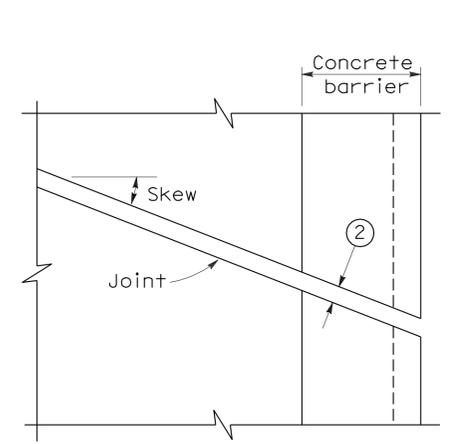
**CONCRETE BARRIER**



**FORMING DETAIL SAWCUT DETAIL**

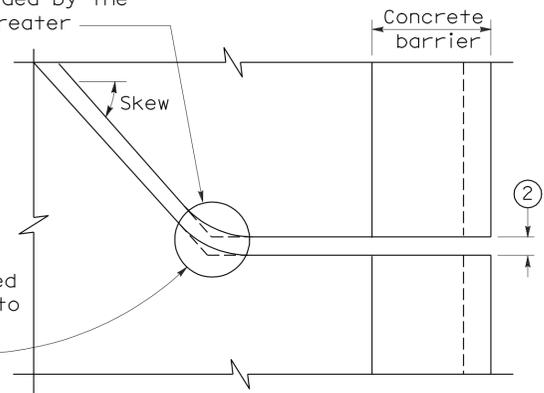
**NOTE:**  
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

**JOINT SEALS DETAILS**



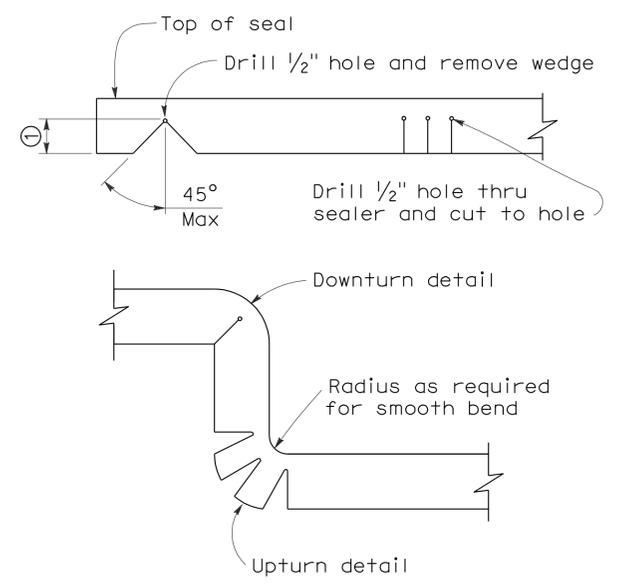
**PLAN OF JOINT (SKEW ≤ 20°)**

Min  $\phi$  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**

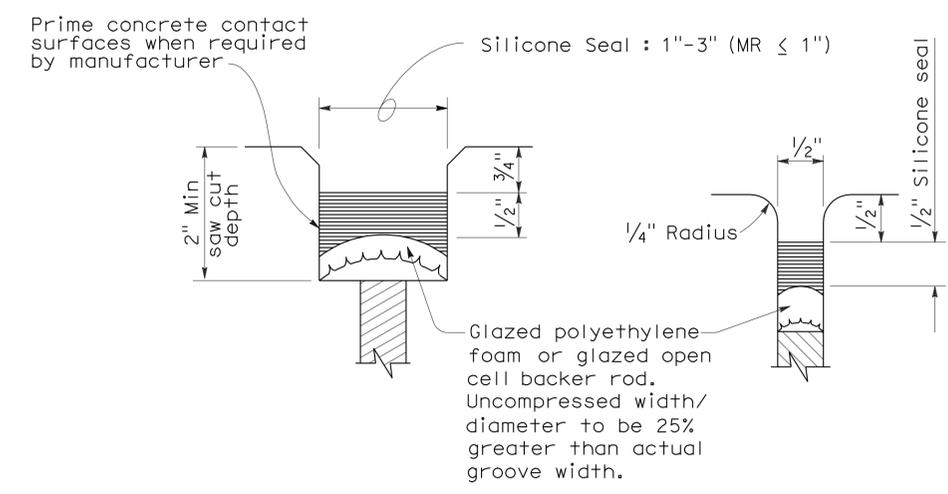
**NOTES:**

- 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 (W<sub>2</sub>) 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

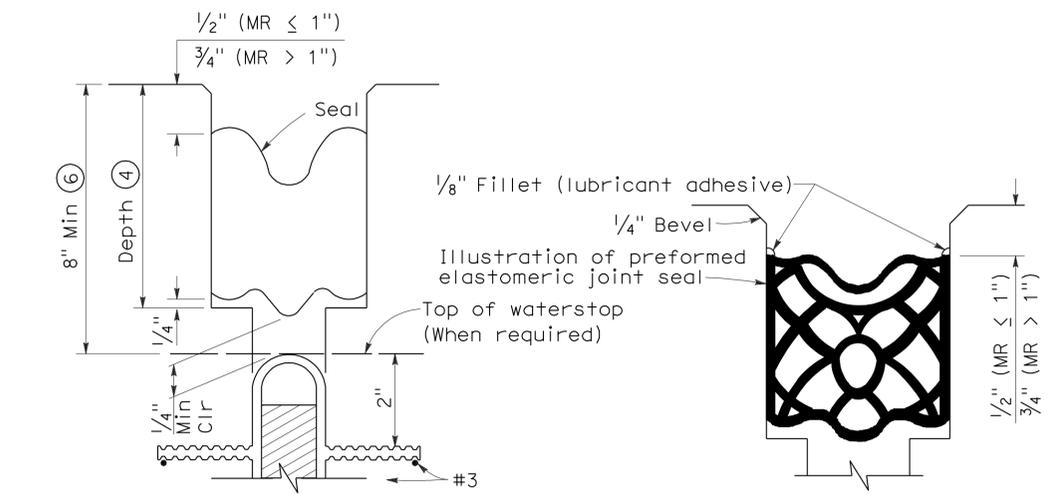


**TYPE A SEAL**

Movement rating : Silicone = 1" Max

**TYPE AL SEAL**

Longitudinal joints only



**TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W<sub>2</sub>)**

**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
06	Fre	5,33	Var	8	18

REGISTERED CIVIL ENGINEER DATE 8-05-10  
 2-7-11 PLANS APPROVAL DATE  
 No. 52003 Exp. 12-31-10  
 DIOSDADO ACOPA  
 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.

**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	GENERAL PLAN NO. 6
7	GENERAL PLAN NO. 7
8	GENERAL PLAN NO. 8
9	JOINT SEAL DETAILS NO. 1
10	JOINT SEAL DETAILS NO. 2
11	STRUCTURE APPROACH TYPE R(30D)

NOTES: (APPLY TO ALL SHEETS )

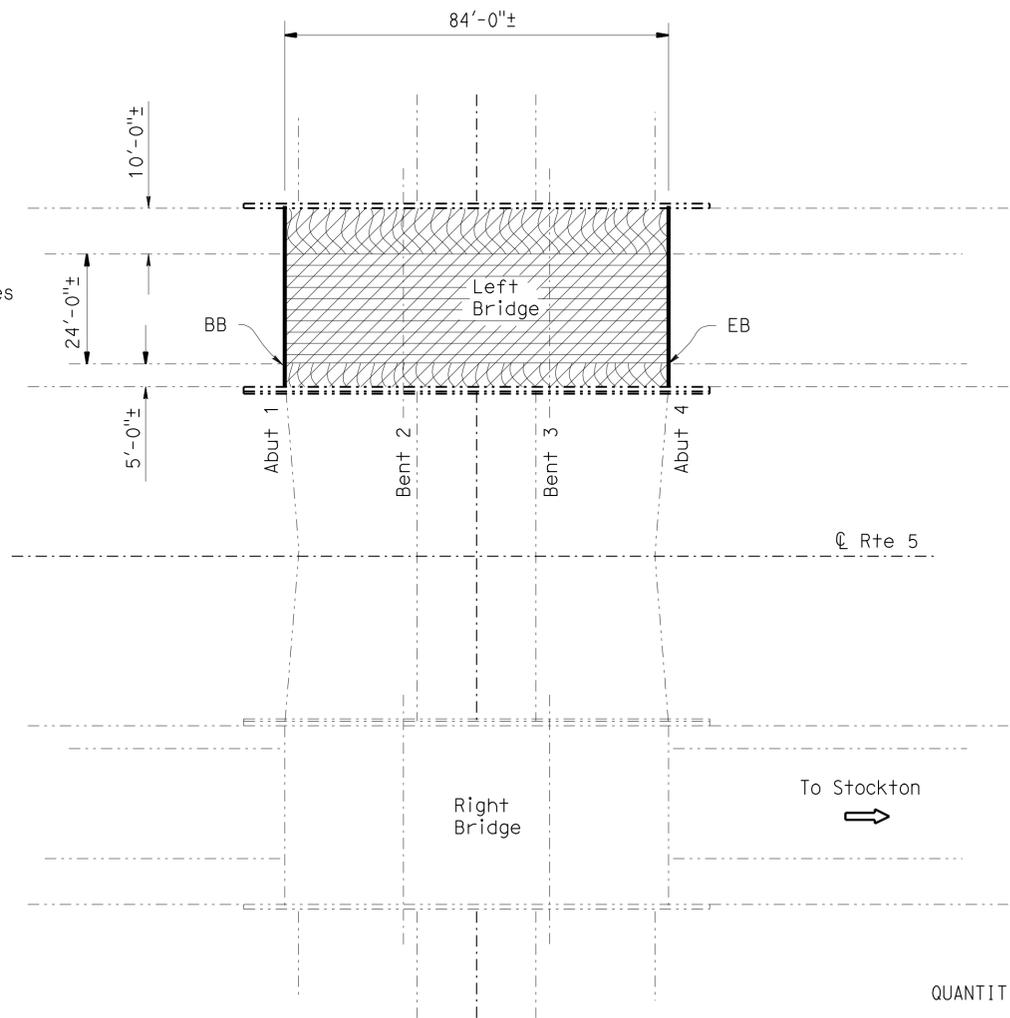
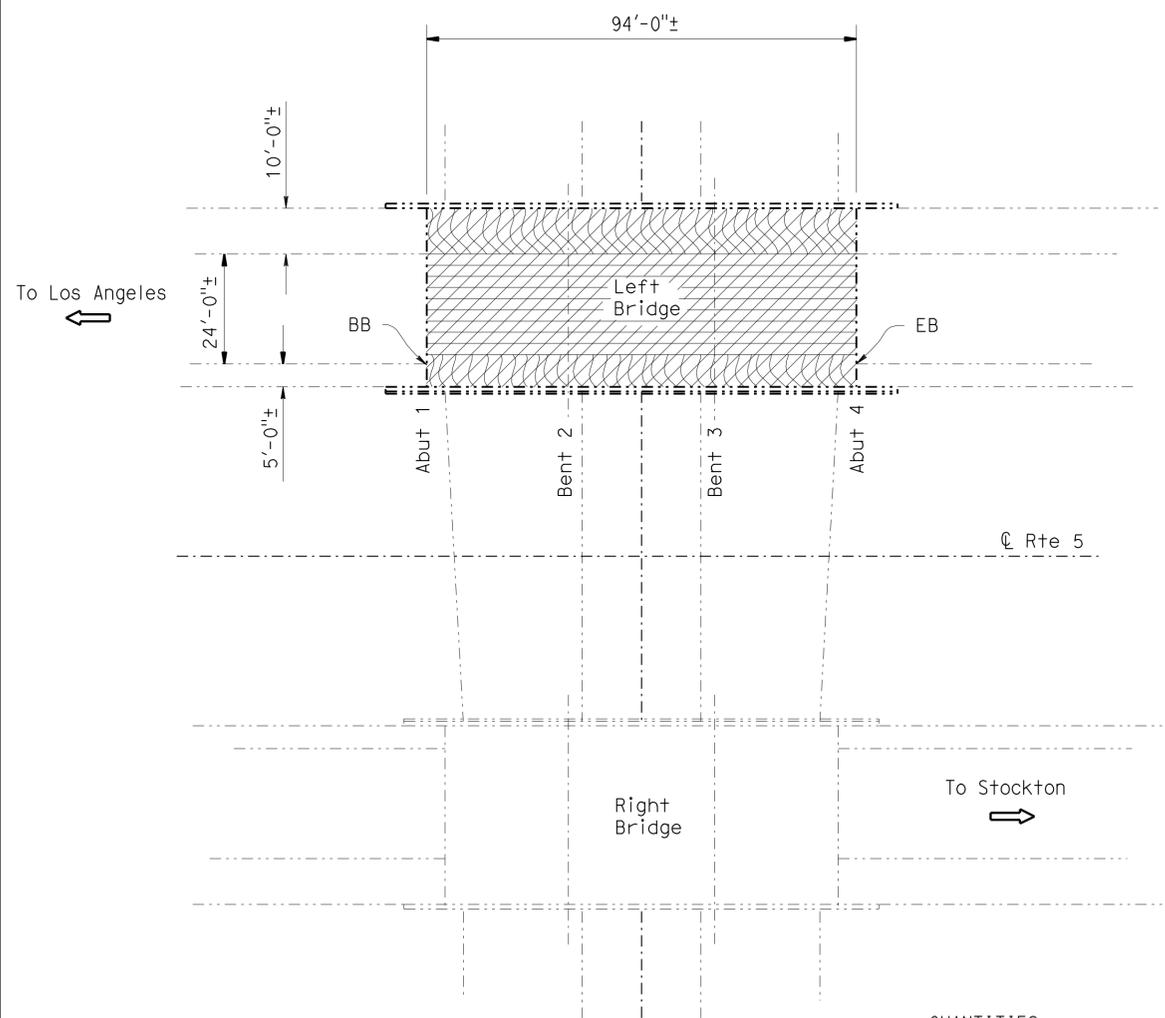
----- Indicates existing.

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)
RSP B6-21	JOINT SEALS (MAXIMUM MOVMENT RATING = 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.
  -  Indicates limits of remove contrast treatment.
  -  Indicates limits of remove slurry or chip seal.
  -  Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.



**QUIST UNDERCROSSING**

Br No. 42-0274L, ROUTE 5, PM 1.7  
1" = 20'

QUANTITIES

DESCRIPTION	QUANTITY	UNIT
REMOVE CONTRAST TREATMENT	1,410	SQFT
REMOVE UNSOUND CONCRETE	9	CF
CLEAN BRIDGE DECK	3,666	SQFT
REMOVE CHIP SEAL	2,256	SQFT
RAPID SETTING CONCRETE (PATCH)	9	CF
TREAT BRIDGE DECK	3,666	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	41	GAL

BRIDGE NO. 42-0274L

**FARM EQUIPMENT UNDERCROSSING**

Br No. 42-0258L, ROUTE 5, PM 5.86  
1" = 20'

QUANTITIES

DESCRIPTION	QUANTITY	UNIT
REMOVE CONTRAST TREATMENT	1,260	SQFT
REMOVE UNSOUND CONCRETE	8	CF
CLEAN BRIDGE DECK	3,276	SQFT
REMOVE CHIP SEAL	2,016	SQFT
CLEAN EXPANSION JOINT	79	LF
RAPID SETTING CONCRETE (PATCH)	8	CF
JOINT SEAL (MR 1/2")	79	LF
TREAT BRIDGE DECK	3,276	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	36	GAL

BRIDGE NO. 42-0258L

  
DESIGN ENGINEER  
8-05-10

DESIGN	BY D. Acoba	CHECKED L. Monsalud	LAYOUT	BY David Kish	CHECKED L. Monsalud
DETAILS	BY David Kish	CHECKED L. Monsalud	SPECIFICATIONS	BY Xiahong Li	PLANS AND SPECIFICATIONS COMPARED Xiahong Li
QUANTITIES	BY D. Acoba	CHECKED L. Monsalud			

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS  
POST MILE VARIES

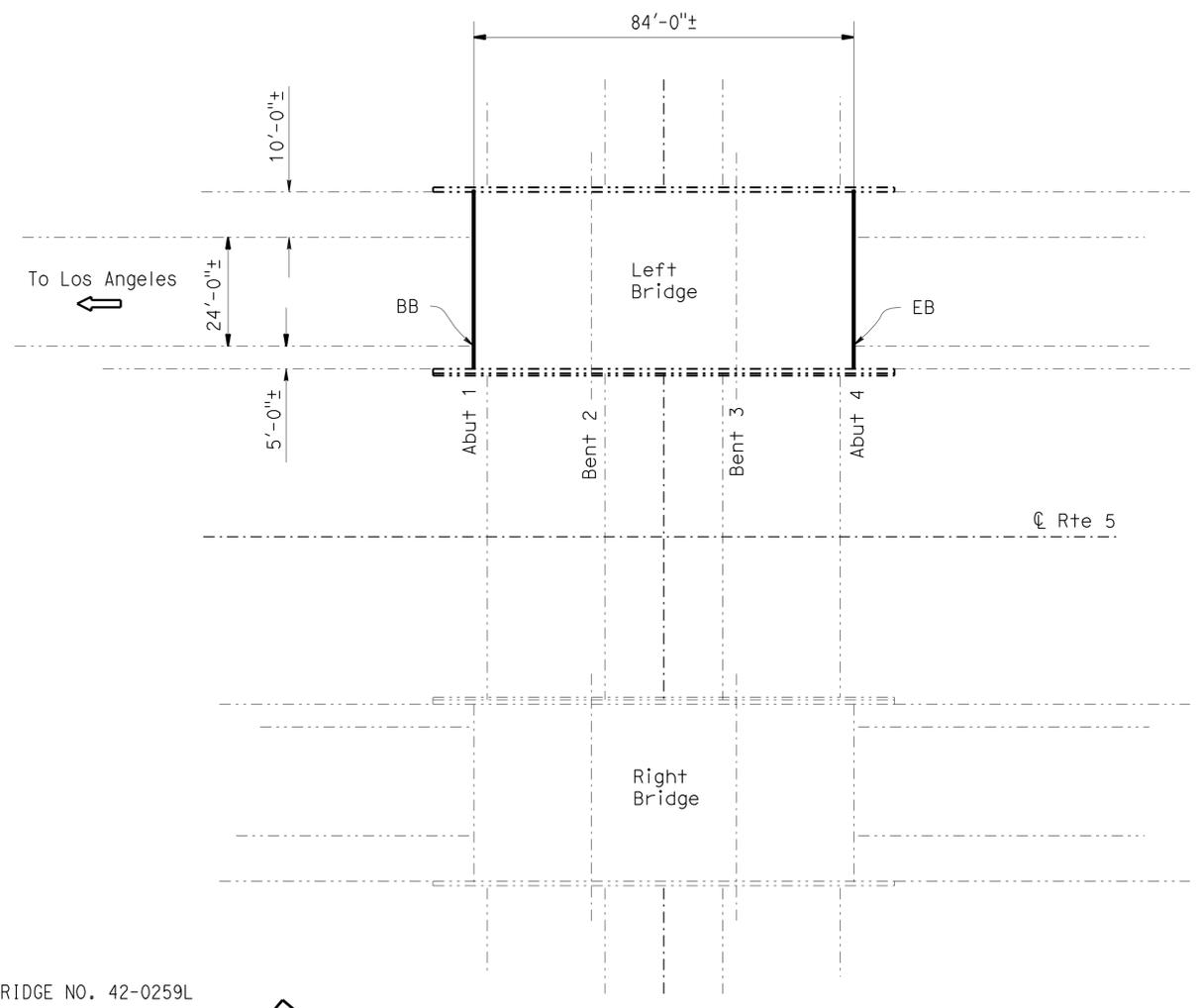
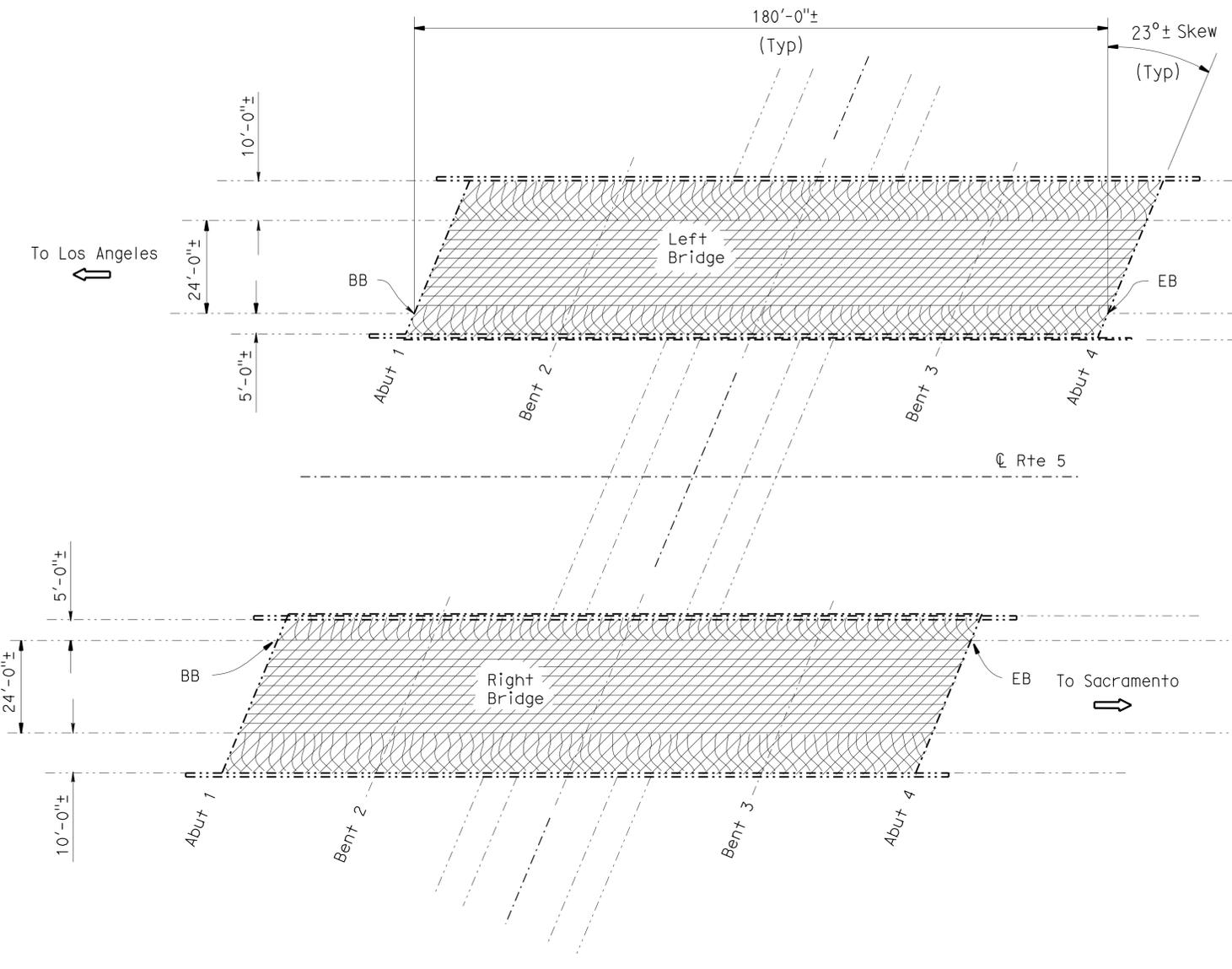
**ROUTE 5 & 33 BRIDGES**  
**GENERAL PLAN NO. 1**

USERNAME => HPGP01 DATE PLOTTED => 08-FEB-2011 TIME PLOTTED => 10:54

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	5,33	Var	9	18
			8-05-10		
REGISTERED CIVIL ENGINEER			DATE		
2-7-11			PLANS APPROVAL DATE		
DIOSDADO ACOPA			REGISTERED PROFESSIONAL ENGINEER		
No. 52003			Exp. 12-31-10		
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 clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.
-  Indicates limits of remove contrast treatment.
-  Indicates limits of remove slurry or chip seal.
-  Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.



**PHELPS AVENUE OVERHEAD**

Br No. 42-0233R/L, ROUTE 5, PM 8.81  
1" = 20'

QUANTITIES

3 - PHELPS AVENUE OH	BRIDGE NO. 42-0233R/L	
REMOVE CONTRAST TREATMENT	5,400	SQFT
REMOVE UNSOUND CONCRETE	35	CF
CLEAN BRIDGE DECK	14,040	SQFT
REMOVE CHIP SEAL	8,640	SQFT
RAPID SETTING CONCRETE (PATCH)	35	CF
TREAT BRIDGE DECK	14,040	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	156	GAL

QUANTITIES

4 - FIVE POINT UC	BRIDGE NO. 42-0259L	
CLEAN EXPANSION JOINT	79	LF
JOINT SEAL (MR 1/2")	79	LF

**FIVE POINTS UNDERCROSSING**

Br No. 42-0259L, ROUTE 5, PM 15.96  
1" = 20'

  
DESIGN ENGINEER  
8-05-10

DESIGN	BY D. Acoba	CHECKED L. Monsalud	LAYOUT	BY David Kish	CHECKED L. Monsalud
DETAILS	BY David Kish	CHECKED L. Monsalud	SPECIFICATIONS	BY Xiahong Li	PLANS AND SPECIFICATIONS COMPARED Xiahong Li
QUANTITIES	BY D. Acoba	CHECKED L. Monsalud			

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS  
POST MILE VARIOUS

**ROUTE 5 & 33 BRIDGES  
GENERAL PLAN NO. 2**

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 06600  
EA 0G4601

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET 2	OF 11
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USERNAME => HPGP01 DATE PLOTTED => 08-FEB-2011 TIME PLOTTED => 10:54

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	5,33	Var	10	18
			8-05-10	REGISTERED CIVIL ENGINEER DATE	
			2-7-11	PLANS APPROVAL DATE	
REGISTERED PROFESSIONAL ENGINEER DIOSDADO ACOPA No. 52003 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA					
<i>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.</i>					

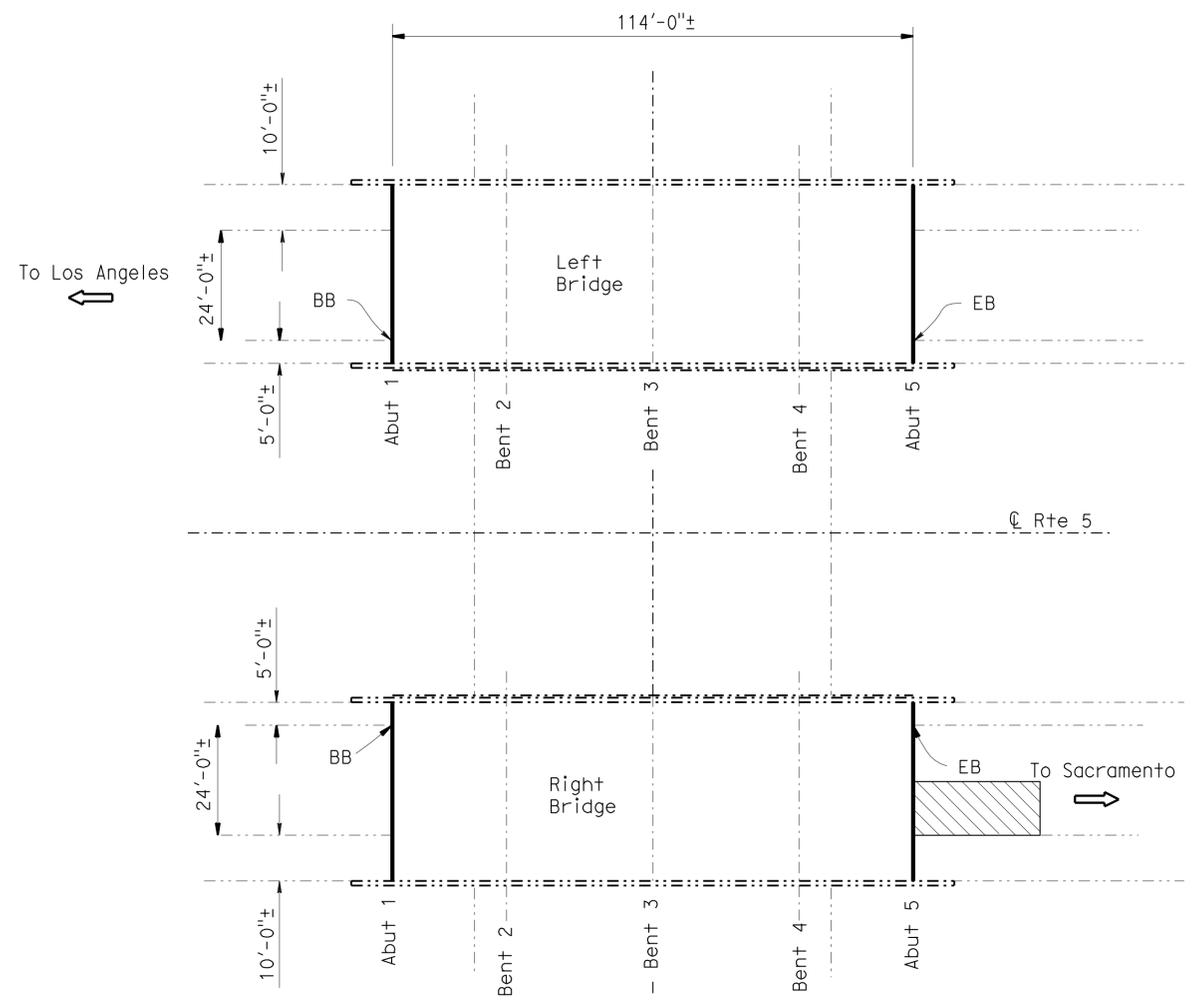
NOTES: (APPLY TO THIS SHEET ONLY)



Indicates limits of remove existing approach pavement and place new STRUCTURE APPROACH TYPE R(30D). For details see STRUCTURE APPROACH TYPE R(30D) sheet.



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



**CANTUA CREEK UNDERCROSSING**

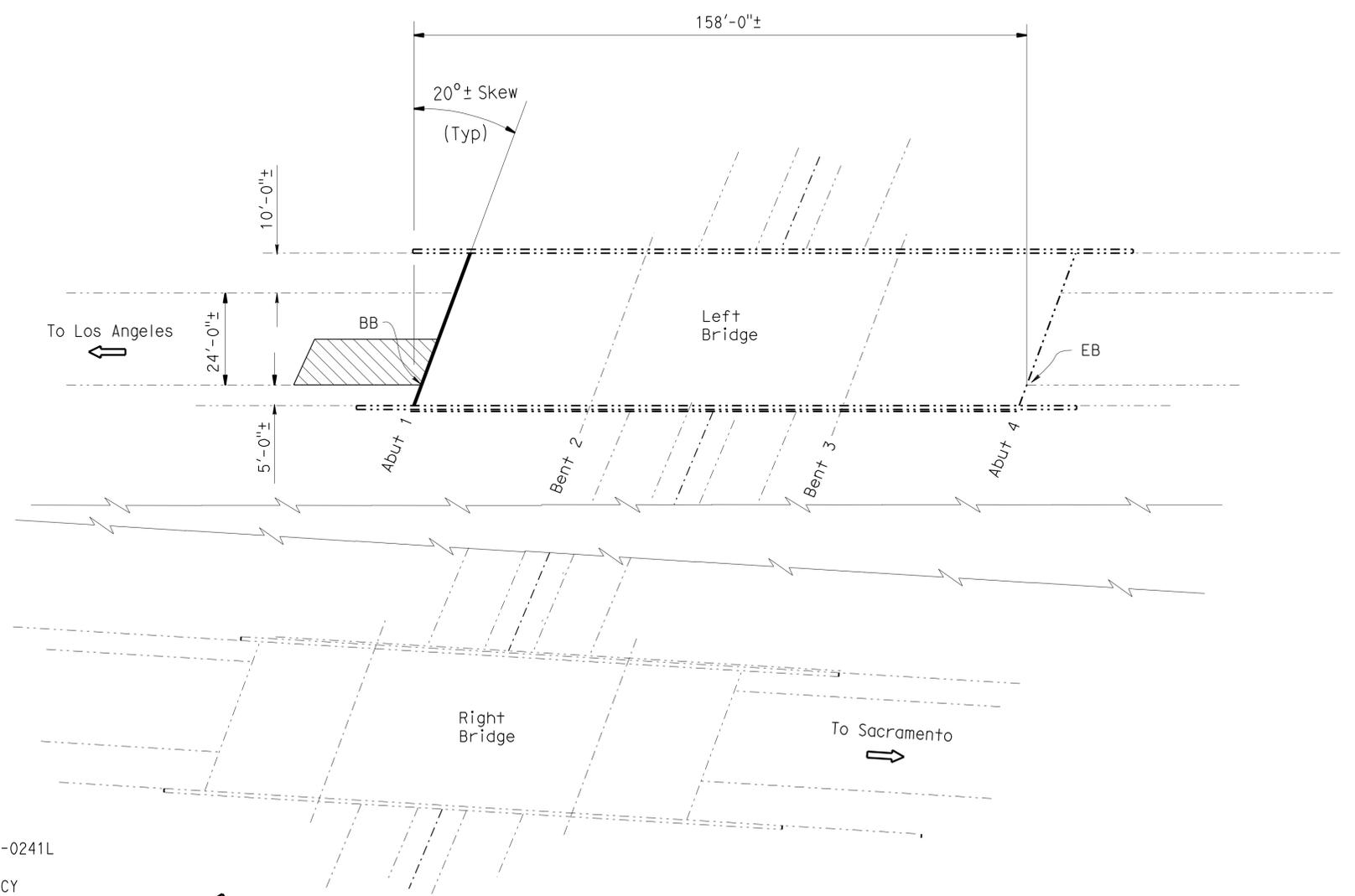
Br No. 42-0239R/L, ROUTE 5, PM 28.5  
1" = 20'

QUANTITIES

5 - CANTUA CREEK UC	BRIDGE NO. 42-0239R/L
AGGREGATE BASE (APPROACH SLAB)	1 CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	13 CY
PAVING NOTCH EXTENSION	9 CF
CLEAN EXPANSION JOINT	146 LF
JOINT SEAL (MR 1/2")	158 LF

QUANTITIES

6 - ARROYO HONDO ROAD UC	BRIDGE NO. 42-0241L
AGGREGATE BASE (APPROACH SLAB)	1 CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	14 CY
PAVING NOTCH EXTENSION	9 CF
CLEAN EXPANSION JOINT	30 LF
JOINT SEAL (MR 1")	42 LF



**ARROYO HONDO ROAD UNDERCROSSING**

Br No. 42-0241L, ROUTE 5, PM 33.62  
1" = 20'

*Matthew W. Lee*  
DESIGN ENGINEER  
8-05-10

DESIGN	BY D. Acoba	CHECKED L. Monsalud
DETAILS	BY David Kish	CHECKED L. Monsalud
QUANTITIES	BY D. Acoba	CHECKED L. Monsalud

LAYOUT	BY David Kish	CHECKED L. Monsalud
SPECIFICATIONS	BY Xiahong Li	CHECKED Xiahong Li

PLANS AND SPECIFICATIONS COMPARED	BY Xiahong Li	CHECKED Xiahong Li
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STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

**ROUTE 5 & 33 BRIDGES  
GENERAL PLAN NO. 3**

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



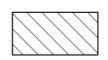
CU 06600  
EA 0G4601

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	1-11-10								
SHEET	3	OF 11							

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	5,33	Var	11	18
			8-05-10		
REGISTERED CIVIL ENGINEER			DATE		
2-7-11			PLANS APPROVAL DATE		
REGISTERED PROFESSIONAL ENGINEER DIOSDADO ACOPA No. 52003 Exp. 12-31-10 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.					

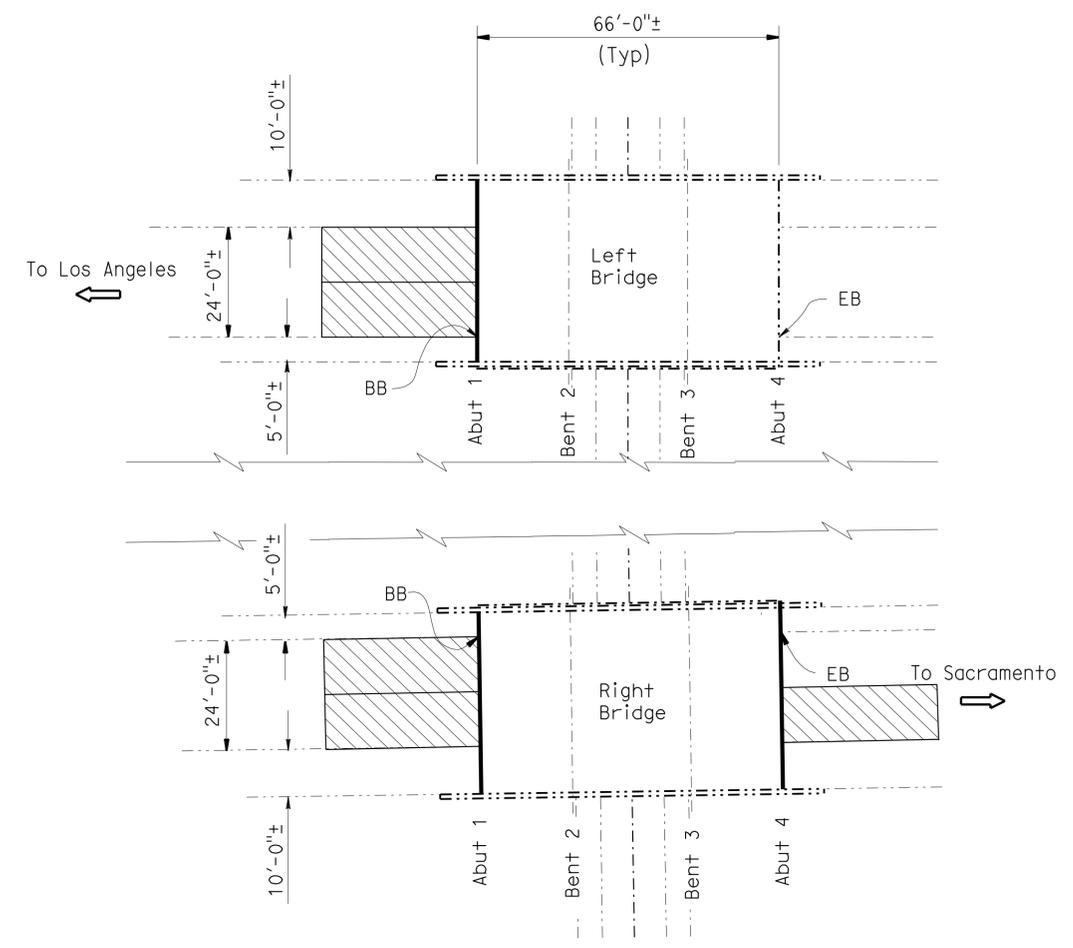
NOTES: (APPLY TO THIS SHEET ONLY)



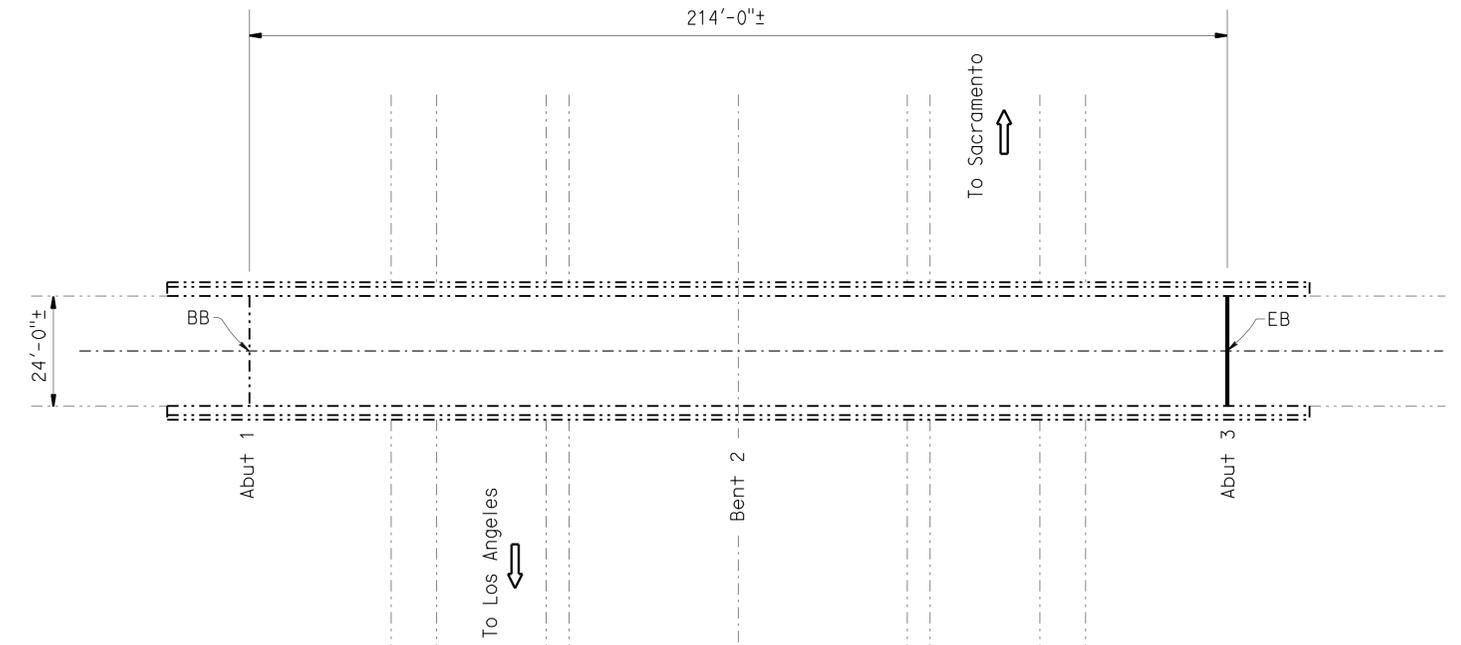
Indicates limits of remove existing approach pavement and place new STRUCTURE APPROACH TYPE R(30D). For details see STRUCTURE APPROACH TYPE R(30D) sheet.



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



**THREE ROCKS ROAD UNDERCROSSING**  
 Br No. 42-0242R/L, ROUTE 5, PM 35.26  
 1" = 20'



**PANOCHÉ JUNCTION OVERCROSSING**  
 Br No. 42-0244, ROUTE 5, PM 40.66  
 1" = 20'

QUANTITIES

7 - THREE ROCKS ROAD UC	BRIDGE NO. 42-0242R/L
AGGREGATE BASE (APPROACH SLAB)	7 CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	67 CY
PAVING NOTCH EXTENSION	46 CF
CLEAN EXPANSION JOINT	59 LF
JOINT SEAL (MR 1/2")	119 LF

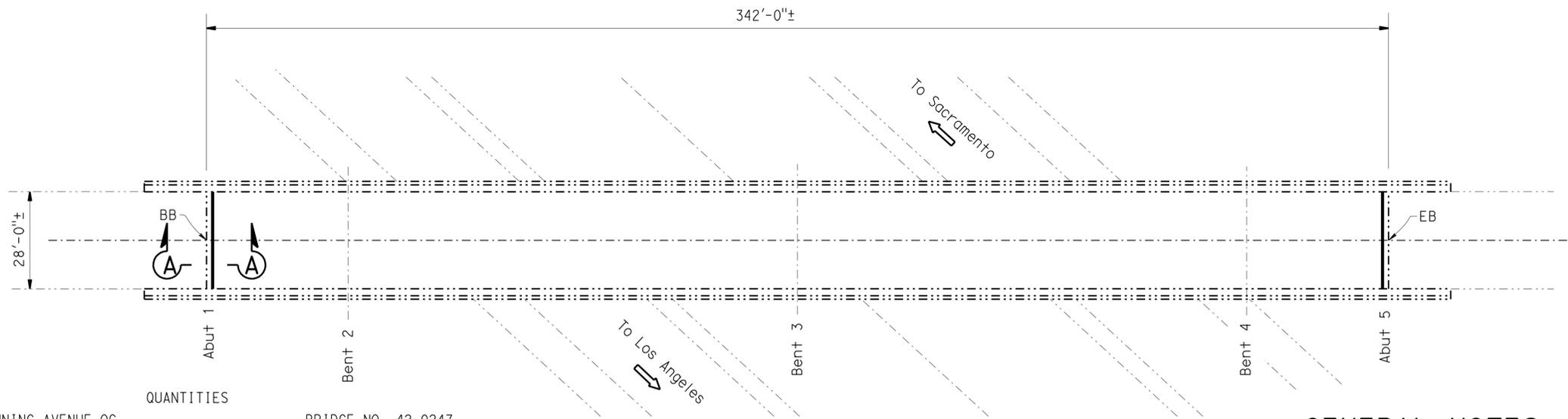
QUANTITIES

8 - PANOCHÉ JUNCTION OC	BRIDGE NO. 42-0244
CLEAN EXPANSION JOINT	25 LF
JOINT SEAL (MR 1")	25 LF

 DESIGN ENGINEER 8-05-10	DESIGN	BY D. Acoba	CHECKED L. Monsalud	LAYOUT	BY David Kish	CHECKED L. Monsalud	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DIVISION OF MAINTENANCE</b> <b>STRUCTURE MAINTENANCE DESIGN</b>	BRIDGE NO.	VARIOUS	<b>ROUTE 5 &amp; 33 BRIDGES</b> <b>GENERAL PLAN NO. 4</b>
	DETAILS	BY David Kish	CHECKED L. Monsalud	SPECIFICATIONS	BY Xiahong Li	CHECKED Xiahong Li			POST MILE	VARIES	
	QUANTITIES	BY D. Acoba	CHECKED L. Monsalud	PLANS AND SPECIFICATIONS COMPARED	Xiahong Li	FILE => 06-0g4601_04gp.dgn			REVISION DATES	1-11-10 3-29-10	
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 06600 EA 064601	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET 4 OF 11

USERNAME => HPGP01 DATE PLOTTED => 08-FEB-2011 TIME PLOTTED => 10:54

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	5,33	Var	12	18
			8-05-10	REGISTERED CIVIL ENGINEER DATE	
			2-7-11	PLANS APPROVAL DATE	
REGISTERED PROFESSIONAL ENGINEER DIOSDADO ACOPA No. 52003 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA					
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NOTES: (APPLY TO THIS SHEET ONLY)

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

Indicates limits of remove existing concrete and joint seal. Retain existing reinforcing steel (except where noted otherwise).

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

QUANTITIES

9 - MANNING AVENUE OC BRIDGE NO. 42-0247

BRIDGE REMOVAL (PORTION), LOCATION A	LUMP SUM
STRUCTURAL CONCRETE, BRIDGE	2 CY
CLEAN EXPANSION JOINT	57 LF
JOINT SEAL (MR 1 1/2")	57 LF
BAR REINFORCING STEEL (BRIDGE)	177 LB



### GENERAL NOTES LOAD FACTOR DESIGN

DESIGN: BRIDGE DESIGN SPECIFICATIONS (1996 AASHTO with Interims and Revisions by CALTRANS)

DEAD LOAD: Includes 35 psf for future wearing surface.

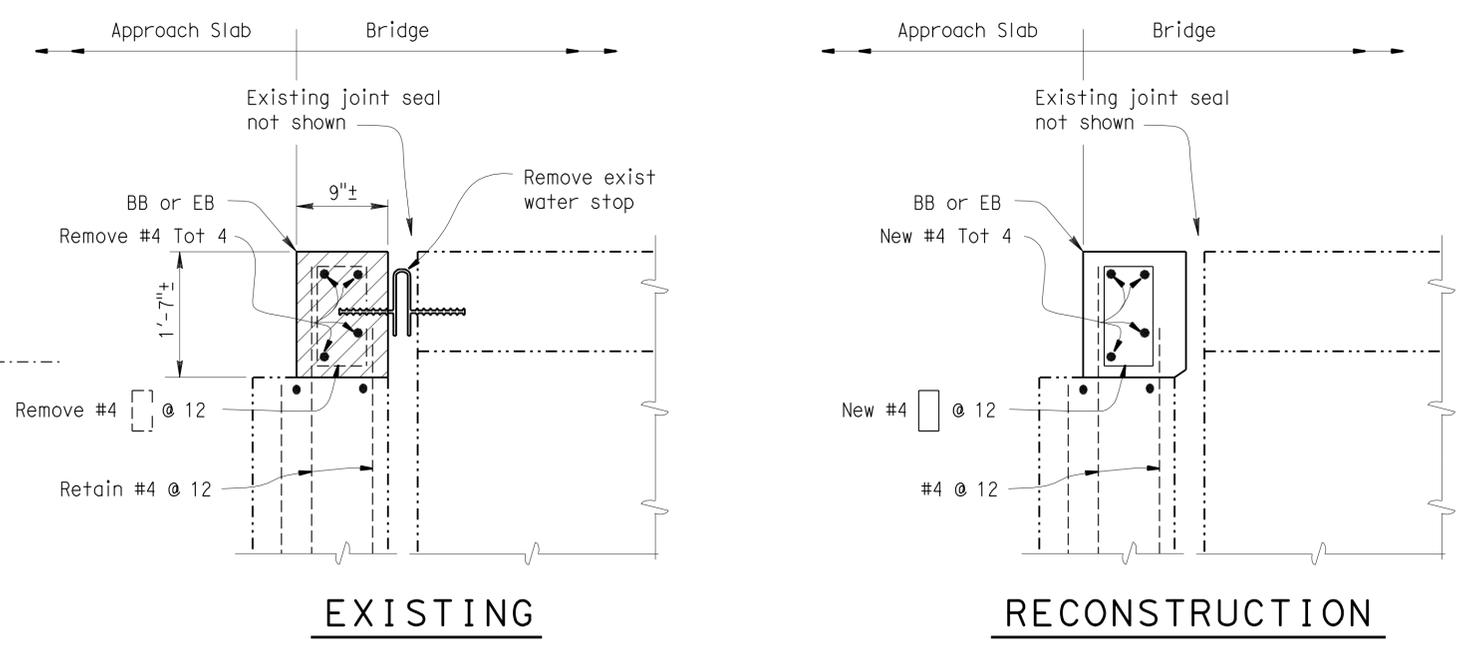
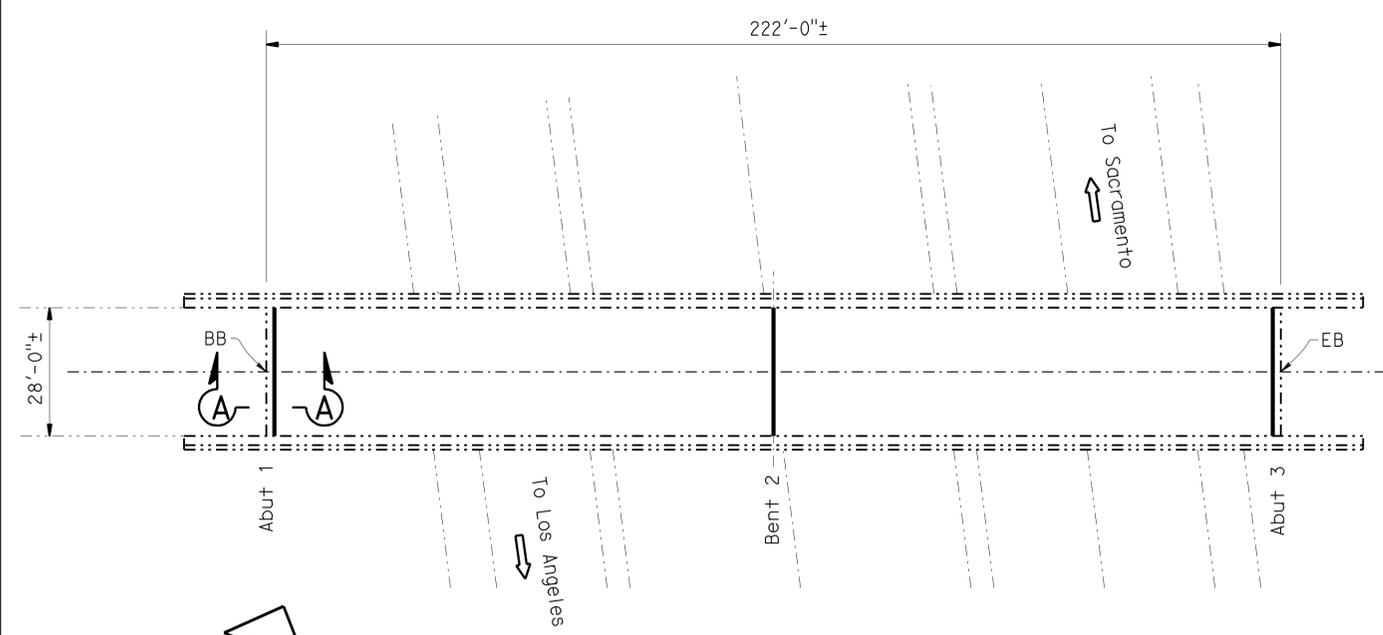
LIVE LOADING: HS20-44 and alternative and permit design load.

REINFORCED CONCRETE: fy = 60,000 psi  
f'c = 3600 psi  
n = 8

QUANTITIES

10 - PANOCHÉ ROAD OC BRIDGE NO. 42-0248

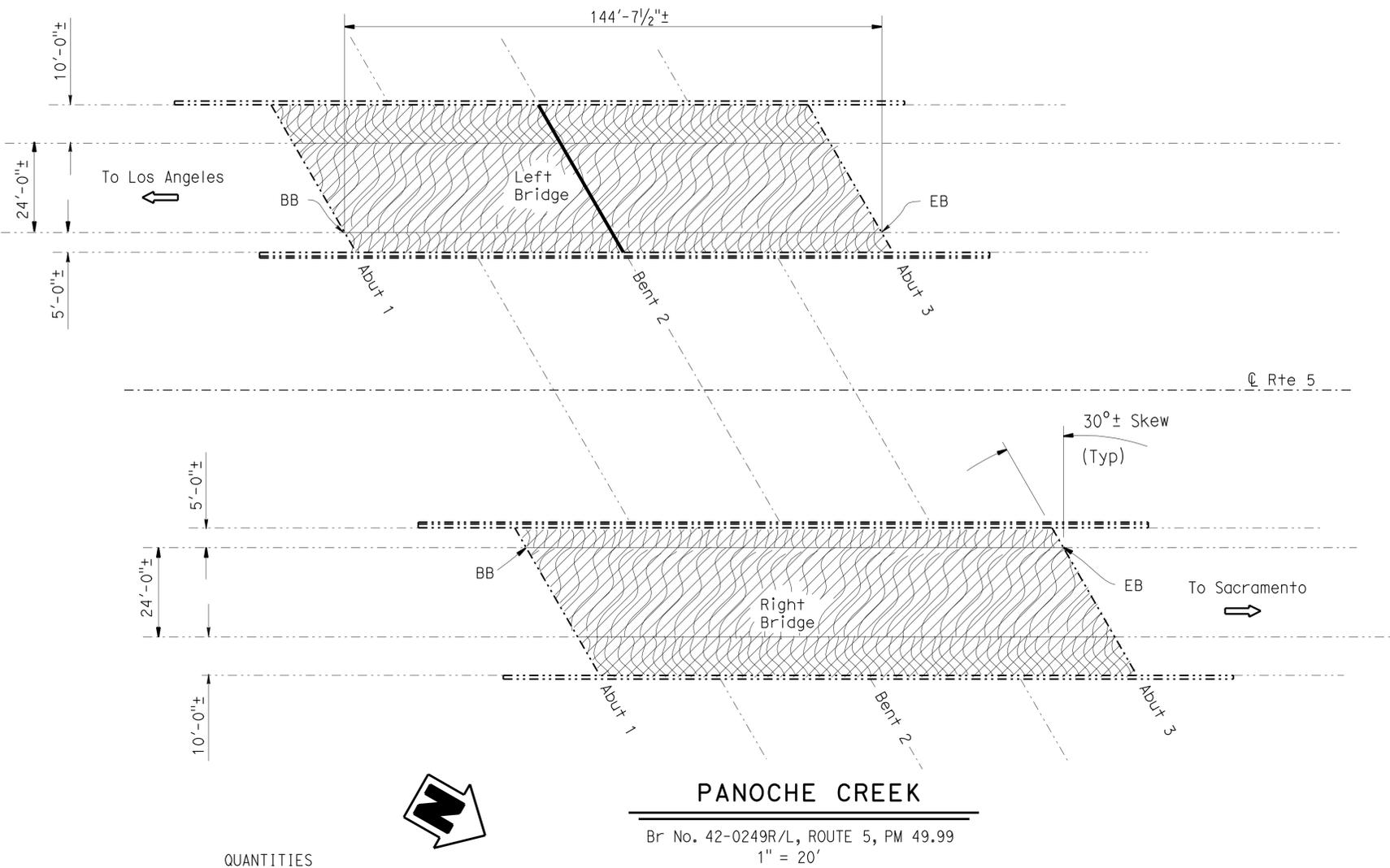
BRIDGE REMOVAL (PORTION), LOCATION B	LUMP SUM
STRUCTURAL CONCRETE, BRIDGE	2 CY
CLEAN EXPANSION JOINT	86 LF
JOINT SEAL (MR 1/2")	86 LF
BAR REINFORCING STEEL (BRIDGE)	177 LB



EXISTING RECONSTRUCTION  
SECTION A-A  
NO SCALE

 DESIGN ENGINEER 8-05-10	DESIGN BY D. Acoba	CHECKED L. Monsalud	LAYOUT BY David Kish	CHECKED L. Monsalud	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DIVISION OF MAINTENANCE</b> <b>STRUCTURE MAINTENANCE DESIGN</b>	BRIDGE NO. VARIOUS	<b>ROUTE 5 &amp; 33 BRIDGES</b> <b>GENERAL PLAN NO. 5</b>	
	DETAILS BY David Kish	CHECKED L. Monsalud	BY Xiahong Li	PLANS AND SPECIFICATIONS COMPARED Xiahong Li			POST MILE VARIES		
	QUANTITIES BY D. Acoba	CHECKED L. Monsalud					VARIES		
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 06600 EA 064601	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 5 OF 11

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	5,33	Var	13	18
			8-05-10		
REGISTERED CIVIL ENGINEER			DATE		
			2-7-11		
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>					



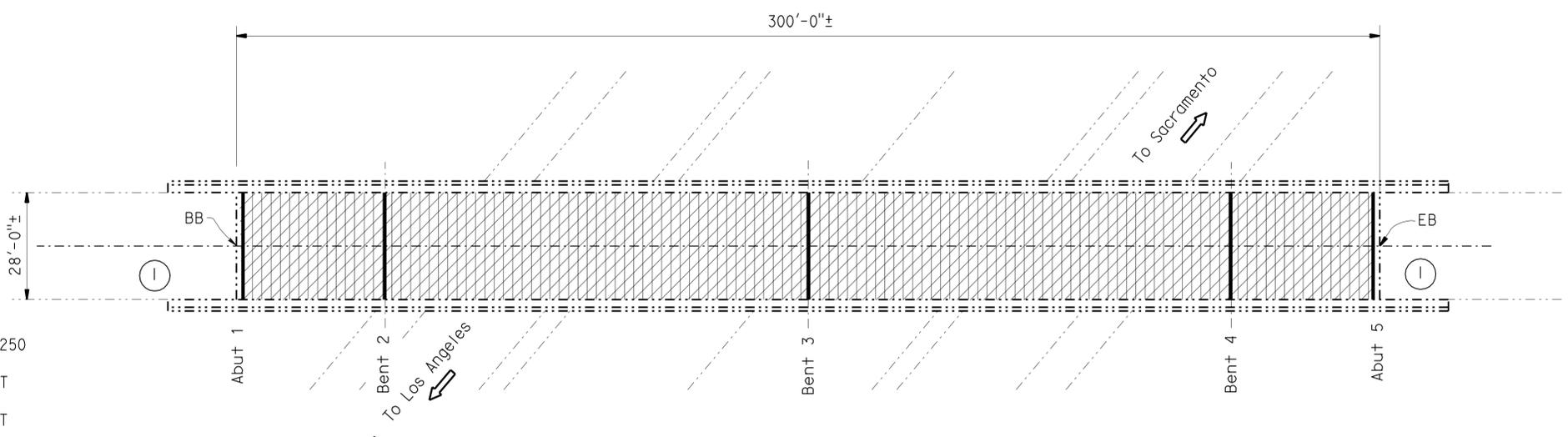
- NOTES: (APPLY TO THIS SHEET ONLY)**
- Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.
  - Indicates limits of remove contrast treatment.
  - Indicates limits of remove epoxy grit wearing surfacing.
  - Indicates limits of remove AC overlay.
  - See "ROAD PLANS" for remove existing pavement surface to conform to deck.
  - Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.

**QUANTITIES**

11 - PANOCHÉ CREEK

BRIDGE NO. 42-0249R/L	
REMOVE CONTRAST TREATMENT	4,339 SQFT
REMOVE UNSOUND CONCRETE	28 CF
CLEAN BRIDGE DECK	11,280 SQFT
REMOVE EPOXY GRIT WEARING SURFACE	6,942 SQFT
CLEAN EXPANSION JOINT	46 LF
RAPID SETTING CONCRETE (PATCH)	28 CF
JOINT SEAL (MR 1")	46 LF
TREAT BRIDGE DECK	11,280 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	125 GAL

Br No. 42-0249R/L, ROUTE 5, PM 49.99  
1" = 20'



**QUANTITIES**

12 - RUSSELL AVENUE OC

BRIDGE NO. 42-0250	
REMOVE ASPHALT CONCRETE SURFACING	8,400 SQFT
REMOVE UNSOUND CONCRETE	210 CF
CLEAN BRIDGE DECK	8,400 SQFT
CLEAN EXPANSION JOINT	143 LF
RAPID SETTING CONCRETE (PATCH)	210 CF
JOINT SEAL (MR 1/2")	143 LF
TREAT BRIDGE DECK	8,400 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	94 GAL

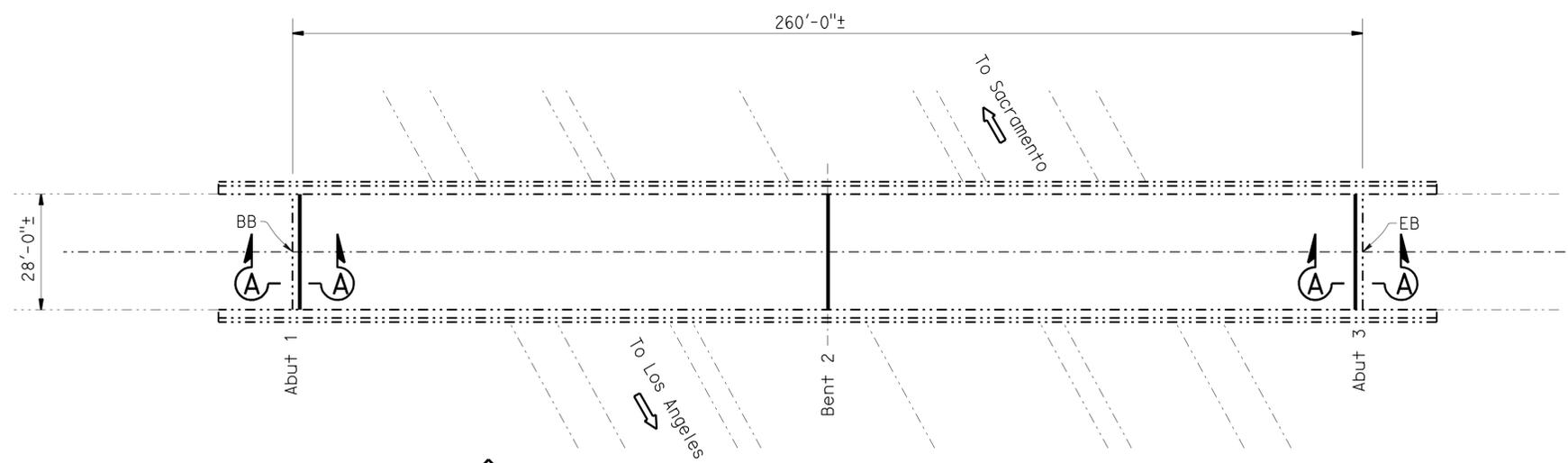
**RUSSELL AVENUE OVERCROSSING**

Br No. 42-0250, ROUTE 5, PM 52.75  
1" = 20'

 DESIGN ENGINEER 8-05-10	DESIGN	BY D. Acoba	CHECKED L. Monsalud	LAYOUT	BY David Kish	CHECKED L. Monsalud	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	<b>ROUTE 5 &amp; 33 BRIDGES</b>				
	DETAILS	BY David Kish	CHECKED L. Monsalud	SPECIFICATIONS	BY Xiahong Li	CHECKED Xiahong Li			VARIOUS	<b>GENERAL PLAN NO. 6</b>				
	QUANTITIES	BY D. Acoba	CHECKED L. Monsalud						VARIES					
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 06600 EA 0G4601	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 6 OF 11		

USERNAME => PMP01101 DATE PLOTTED => 08-FEB-2011 TIME PLOTTED => 10:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	5,33	Var	14	18
REGISTERED CIVIL ENGINEER			DATE	8-05-10	
PLANS APPROVAL DATE			2-7-11		
REGISTERED PROFESSIONAL ENGINEER DIOSDADO ACOBA No. 52003 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA					
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### SHIELDS AVENUE OVERCROSSING

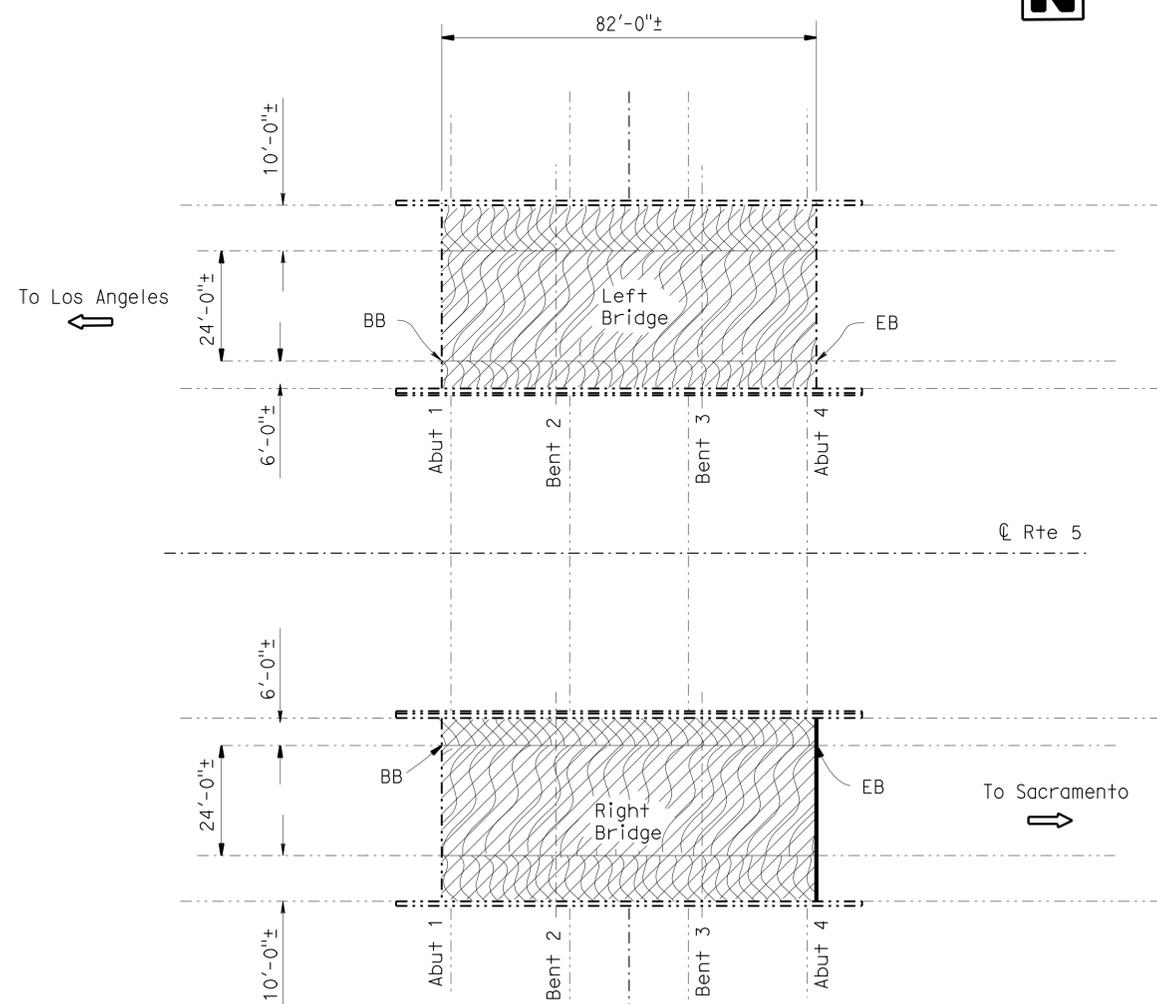
Br No. 42-0253, ROUTE 5, PM 60.08  
1" = 20'

Note: For SECTION A-A, see "GENERAL PLAN NO. 5" sheet.

QUANTITIES		BRIDGE NO. 42-0253
13 - SHIELDS AVENUE OC		
BRIDGE REMOVAL (PORTION), LOCATION C	LUMP SUM	
STRUCTURAL CONCRETE, BRIDGE	3	CY
CLEAN EXPANSION JOINT	86	LF
JOINT SEAL (MR 1/2")	86	LF
BAR REINFORCING STEEL (BRIDGE)	356	LB

- 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.
  - Indicates limits of remove contrast treatment.
  - Indicates limits of remove epoxy grit wearing surfacing.
  - Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.

See "GENERAL PLAN NO. 5" sheet for "SECTION A-A".



### LITTLE PANOCHE EQUIPMENT UNDERCROSSING

Br No. 42-0276R/L, ROUTE 5, PM 62.2  
1" = 20'

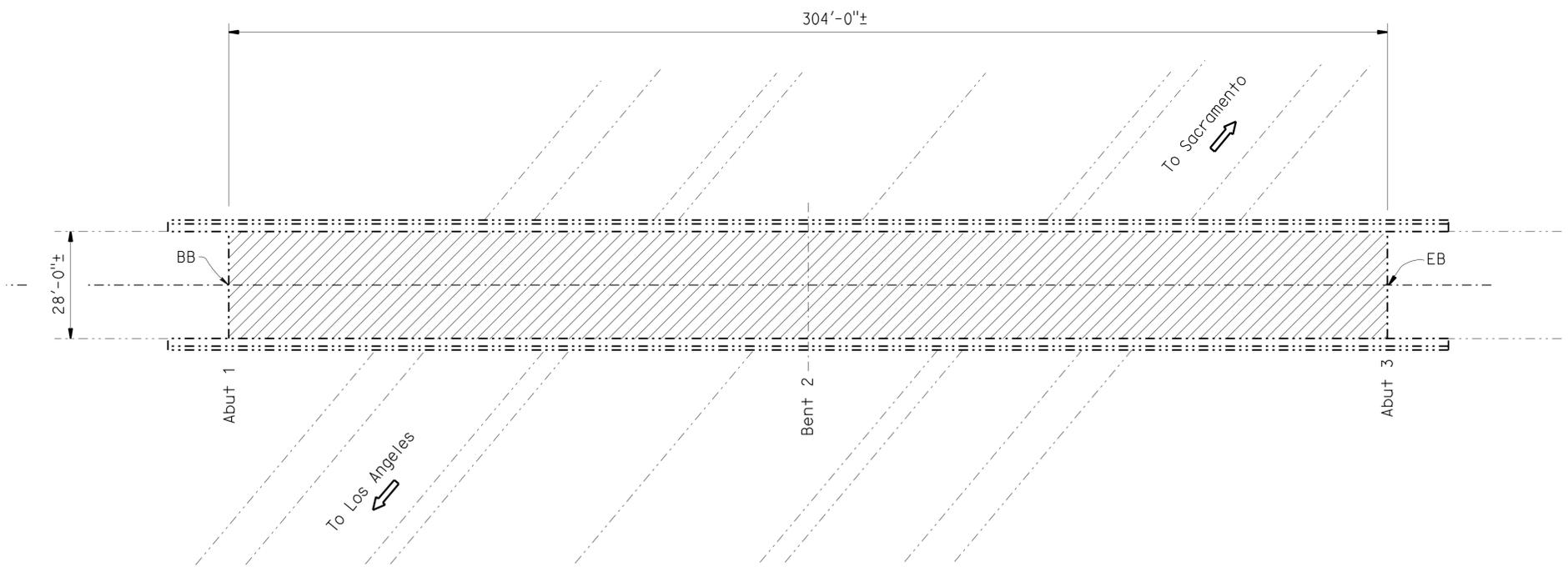
QUANTITIES		BRIDGE NO. 42-0276R/L
14 - LITTLE PANOCHE EQUIPMENT UC		
REMOVE CONTRAST TREATMENT	2,624	SQFT
REMOVE UNSOUND CONCRETE	16	CF
CLEAN BRIDGE DECK	6,560	SQFT
REMOVE EPOXY GRIT WEARING SURFACE	3,936	SQFT
CLEAN EXPANSION JOINT	41	LF
RAPID SETTING CONCRETE (PATCH)	16	CF
JOINT SEAL (MR 1/2")	41	LF
TREAT BRIDGE DECK	6,560	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	73	GAL

 DESIGN ENGINEER 8-05-10	DESIGN	BY D. Acoba	CHECKED L. Monsalud	LAYOUT	BY David Kish	CHECKED L. Monsalud	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DIVISION OF MAINTENANCE</b> <b>STRUCTURE MAINTENANCE DESIGN</b>	BRIDGE NO.	VARIOUS	<b>ROUTE 5 &amp; 33 BRIDGES</b> <b>GENERAL PLAN NO. 7</b>
	DETAILS	BY David Kish	CHECKED L. Monsalud	SPECIFICATIONS	BY Xiahong Li	CHECKED Xiahong Li			POST MILE	VARIES	
	QUANTITIES	BY D. Acoba	CHECKED L. Monsalud	PLANS AND SPECIFICATIONS COMPARED					REVISION DATES	VARIES	
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 06600 EA 064601	DISREGARD PRINTS BEARING EARLIER REVISION DATES	1-16-10 2-10-10 3-08-10 5-20-10 SHEET 7 OF 11

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	5,33	Var	15	18
REGISTERED CIVIL ENGINEER			DATE	8-05-10	
PLANS APPROVAL DATE			2-7-11		
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.



**ROUTE 33/5 SEPARATION**

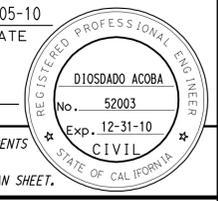
Br No. 42-0240, ROUTE 33, PM R39.82  
1" = 20'

**QUANTITIES**

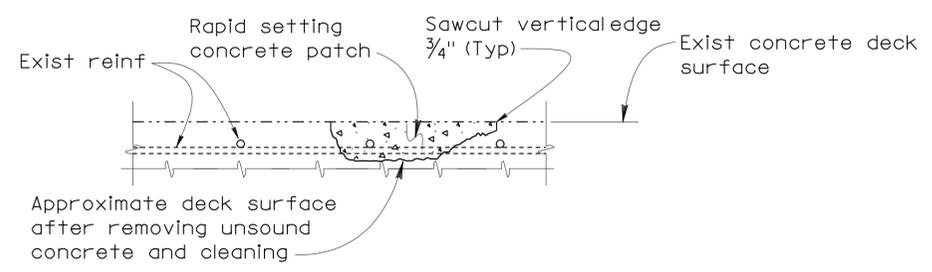
15 - ROUTE 33/5 SEPARATION	BRIDGE NO. 42-0240
REMOVE UNSOUND CONCRETE	21 CF
CLEAN BRIDGE DECK	8,512 SQFT
RAPID SETTING CONCRETE (PATCH)	21 CF
TREAT BRIDGE DECK	8,512 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	95 GAL

 DESIGN ENGINEER 8-05-10	DESIGN	BY D. Acoba	CHECKED L. Monsalud	LAYOUT	BY David Kish	CHECKED L. Monsalud	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	<b>ROUTE 5 &amp; 33 BRIDGES</b> GENERAL PLAN NO. 8		
	DETAILS	BY David Kish	CHECKED L. Monsalud	SPECIFICATIONS	BY Xiahong Li	PLANS AND SPECIFICATIONS COMPARED Xiahong Li			VARIOUS			
	QUANTITIES	BY D. Acoba	CHECKED L. Monsalud					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 06600 EA 0G4601	DISREGARD PRINTS BEARING EARLIER REVISION DATES	1-16-10 5-05-10	SHEET 8 OF 11

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	5,33	Var	16	18
REGISTERED CIVIL ENGINEER			DATE	8-05-10	
PLANS APPROVAL DATE			2-7-11		
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.					

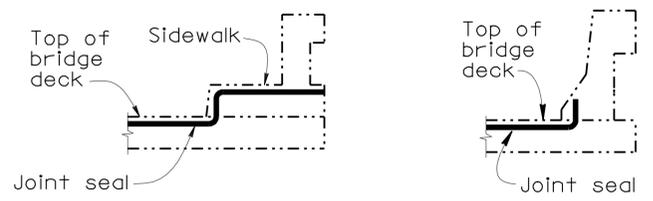


NOTES: (APPLY TO THIS SHEET ONLY)  
 ----- Indicates existing.



**DECK REPAIR DETAIL**

Note: Reinforcement may be encountered during deck concrete removal.

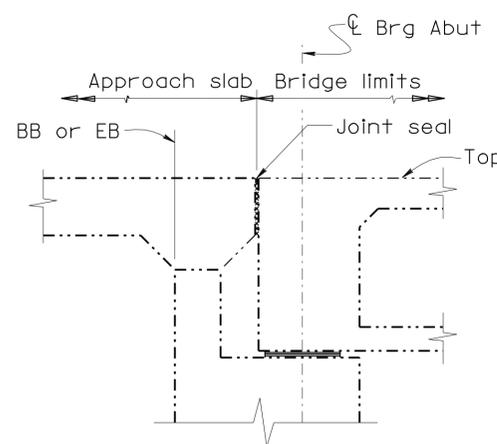


**JOINT SEAL AT LOW SIDE OF DECK**

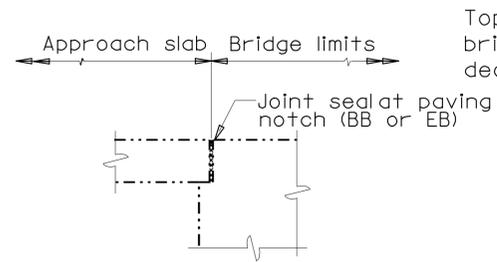
Notes: Details shown for illustration purposes only.  
 For use only where deck joint matches the sidewalk, curb or barrier rail joint.

The following notes apply to JOINT SEAL TYPE B:

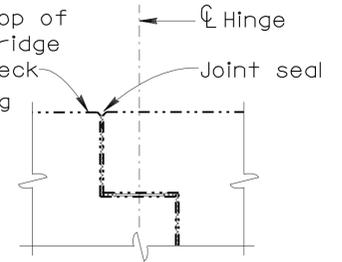
- Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
- Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.
- W1 shall be the smaller of the values determined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



**BACK WALL ABUTMENT**



**DIAPHRAGM ABUTMENT**



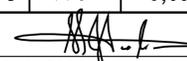
**HINGE**

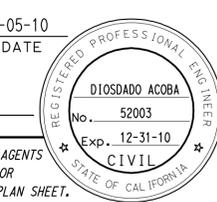
NOTE:  
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY D. Acoba	CHECKED L. Monsalud	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 5 & 33 BRIDGES		
	DETAILS	BY David Kish	CHECKED L. Monsalud			Varies			
	QUANTITIES	BY D. Acoba	CHECKED L. Monsalud			POST MILE		Various	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	CU 06600 EA 064601	DISREGARD PRINTS BEARING EARLIER REVISION DATES	1-16-10	REVISION DATES	SHEET 9 OF 11

USERNAME => hpierce DATE PLOTTED => 08-FEB-2011 TIME PLOTTED => 10:47

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	5,33	Var	17	18

  
 REGISTERED CIVIL ENGINEER DATE 8-05-10  
 PLANS APPROVAL DATE 2-7-11



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.

### JOINT SEAL TABLE

BRIDGE NUMBER	BRIDGE NAME	LOCATION		MINIMUM "MR" (in)	APPROXIMATE LENGTH (ft)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (in)
		Abut	Bent				
42-0258	FARM EQUIPMENT UC	Abut 1L	BB	1/2	39.5	No	12
		Abut 4L	EB	1/2	39.5	No	12
42-0259L	FIVE POINTS UC	Abut 1	BB	1/2	39.5	No	12
		Abut 4	EB	1/2	39.5	No	12
42-0239L	CANTUA CREEK UC	Abut 1	BB	1/2	39.5	No	12
		Abut 5	EB	1/2	39.5	No	12
42-0239R	CANTUA CREEK UC	Abut 1	BB	1/2	39.5	No	12
		Abut 5	EB	1/2	39.5	No	12
42-0241L	ARROYO HONDO ROAD UC	Abut 1	BB	1	42.0	Yes	6
42-0242L	THREE ROCKS ROAD UC	Abut 1	BB	1/2	42.0	No	12
42-0242R	THREE ROCKS ROAD UC	Abut 1	BB	1/2	39.5	No	12
		Abut 4	EB	1/2	39.5	No	12
42-0244	PANOCHÉ JUNCTION OC	Abut 3	EB	1	28.5	Yes	8
42-0247	MANNING AVENUE OC	Abut 1	BB	1 1/2	28.5	Yes	8
		Abut 5	EB	1 1/2	28.5	Yes	8
42-0248	PANOCHÉ ROAD OC	Abut 1	BB	1/2	28.5	Yes	8
		Bent 2		1/2	28.5	Yes	8
		Abut 3	EB	1/2	28.5	Yes	8
42-0249L	PANOCHÉ CREEK	Bent 2		1	45.6	Yes	8
42-0250	RUSSEL AVENUE OC	Abut 1	BB	1/2	28.5	Yes	8
		Bent 2		1/2	28.5	Yes	8
		Bent 3		1/2	28.5	Yes	8
		Bent 4		1/2	28.5	Yes	8
		Abut 5	EB	1/2	28.5	Yes	8
42-0253	SHIELDS AVENUE OC	Abut 1	BB	1/2	28.5	Yes	8
		Bent 2		1/2	28.5	Yes	8
		Abut 3	EB	1/2	28.5	Yes	8
42-0276R	LITTLE PANOCHÉ EQUIPMENT UC	Abut 4	EB	1/2	41.0	No	12

### DECK REPAIR TABLE

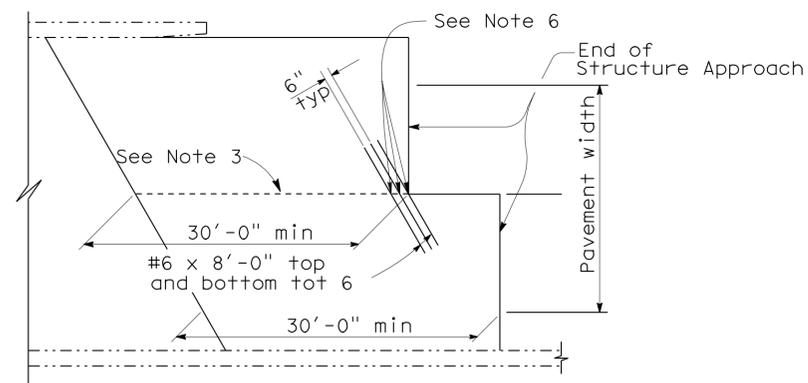
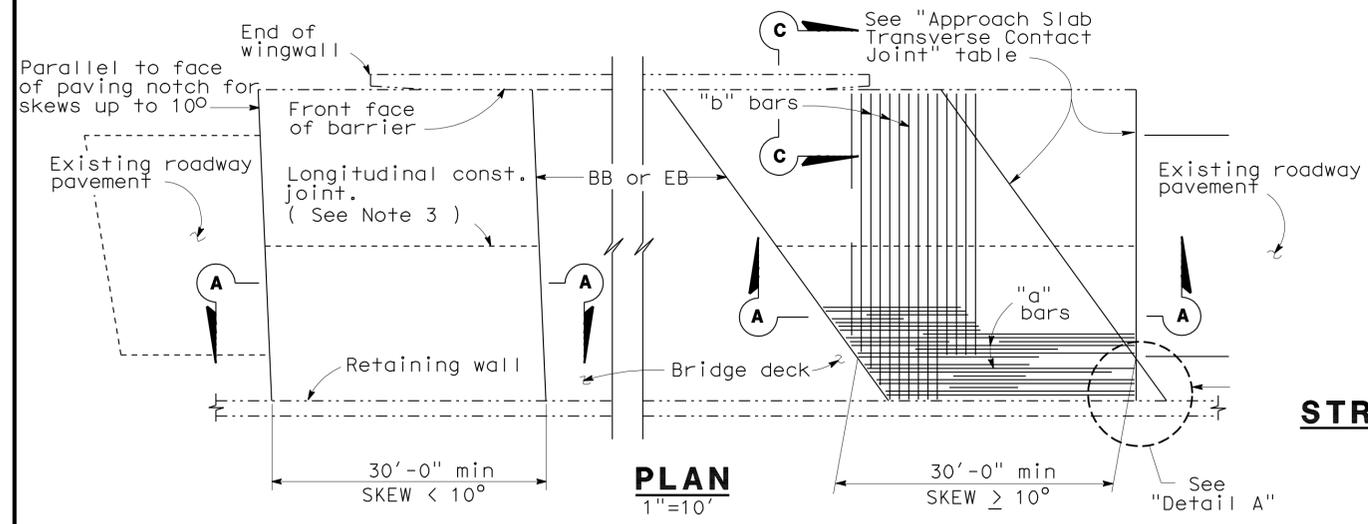
REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)

BRIDGE NUMBER	BRIDGE NAME	TOTAL DECK AREA (SQUARE FEET)	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
42-0274L	QUIST UC	3666	1	3
42-0258L	FARM EQUIPMENT UC	3276	1	3
42-0233R/L	PHELPS AVENUE OH	14040	1	3
42-0249R/L	PANOCHÉ CREEK	11280	1	3
42-0250	RUSSEL AVENUE OC	8400	10	3
42-0276R/L	LITTLE PANOCHÉ EQUIPMENT UC	6560	1	3
42-0240	ROUTE 33/5 SEPARATION	8512	1	3

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY D. Acoba	CHECKED L. Monsalud	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE <b>STRUCTURE MAINTENANCE DESIGN</b>	BRIDGE NO.	<b>ROUTE 5 &amp; 33 BRIDGES</b> <b>JOINT SEAL DETAILS NO. 2</b>
	DETAILS	BY David Kish	CHECKED L. Monsalud			Varies	
	QUANTITIES	BY D. Acoba	CHECKED L. Monsalud			Various	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	CU 06600 EA 064601	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES: 1-17-10, 2-18-10, 3-29-10 SHEET 10 OF 11

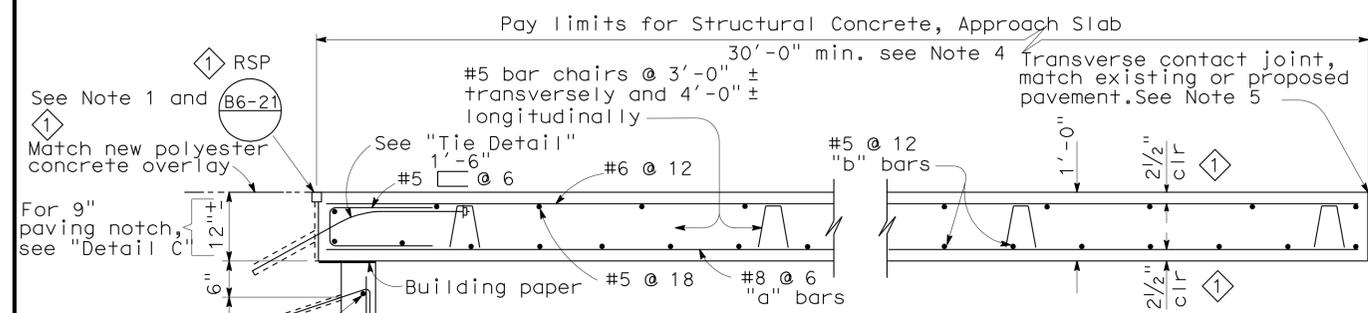
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USERNAME => hpierce DATE PLOTTED => 08-FEB-2011 TIME PLOTTED => 10:47



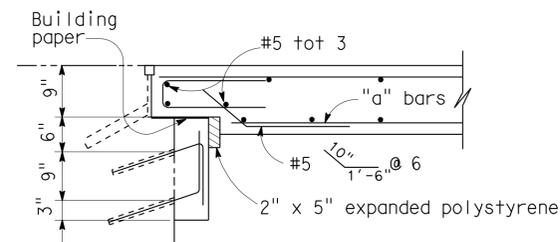
**STRUCTURE APPROACH - END STAGGER DETAIL**

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



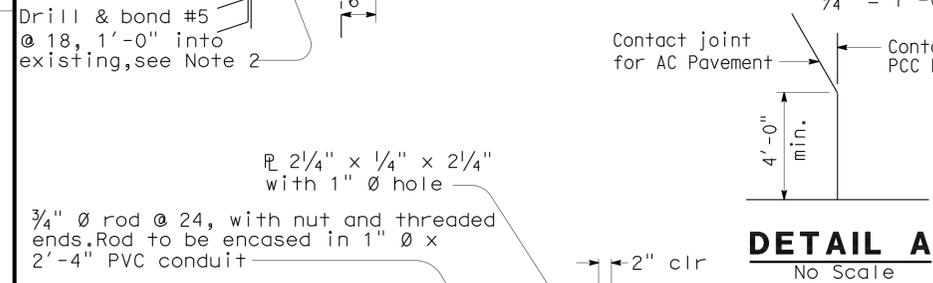
**SECTION A-A**

**SECTION C-C**



**DETAIL C**

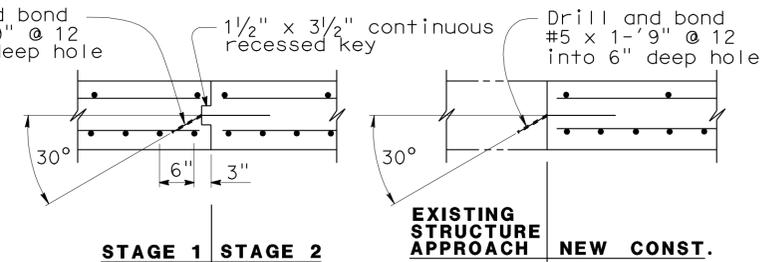
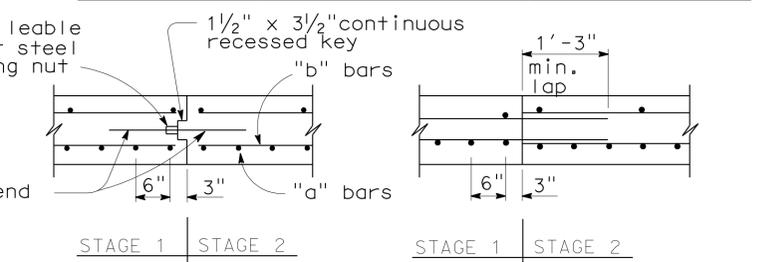
**BAR CHAIR DETAIL**



**DETAIL A**

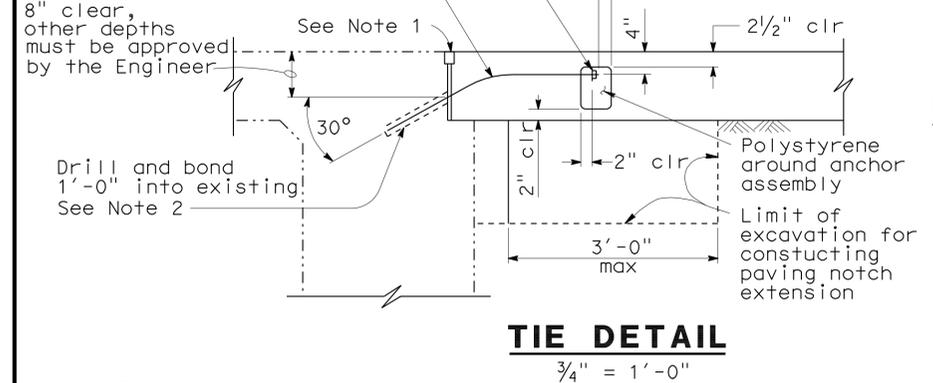
NOTE: For details not shown, see "Section A-A".

**LONGITUDINAL CONSTRUCTION JOINT ALTERNATIVES**

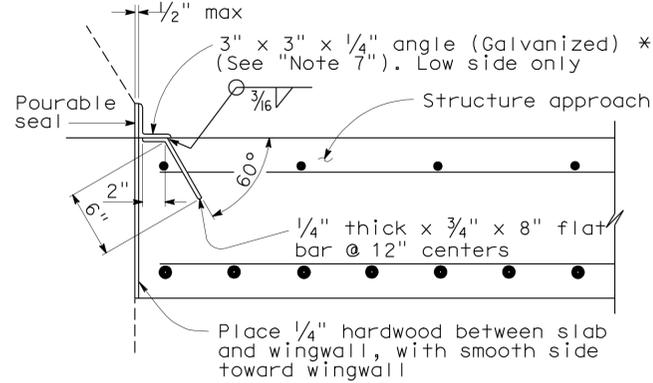


**LONGITUDINAL CONSTRUCTION JOINT ALTERNATIVES**

- NOTES:
- For details not shown or noted, see Structure Plans. Adjust bar reinforcement to clear a sawcut for sealed joint, when required.
  - Space to avoid existing prestress anchorages and main reinforcement.
  - Longitudinal construction joints, when permitted by the Engineer, shall be located on lane lines.
  - Transverse contact joint shall be a minimum of 5'-0" from an existing or constructed weakened plane joint.
  - For transverse contact joint with new PCC paving, refer to Standard Plan P10.
  - Couplers are required for stage construction.
  - End angle or plate at beginning of barrier transition, end of wingwall or end of structure approach as applicable.



**TIE DETAIL**



**DETAIL B**

\*(TO BE USED WITH TYPE 25 OR TYPE 27 CONCRETE BARRIER)

\*(TO BE USED WITH TYPE 732 OR TYPE 736 CONCRETE BARRIER)

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

STANDARD DRAWING			
RELEASE DATE 3/14/05	DESIGN BY M. TRAFFALIS	CHECKED E. THORKILDSEN	RELEASED BY
FILE NO. xs3-140e	DETAILS BY R. YEE	CHECKED E. THORKILDSEN	
	SUBMITTED BY M. HA	DRAWING DATE 8/92	OFFICE CHIEF

- NOTE REVISED
- NOTE ADDED

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE NO.  
VARIOUS  
MILE POST  
VARIES

ROUTE 5 & 33 BRIDGES  
STRUCTURE APPROACH TYPE R(30D)