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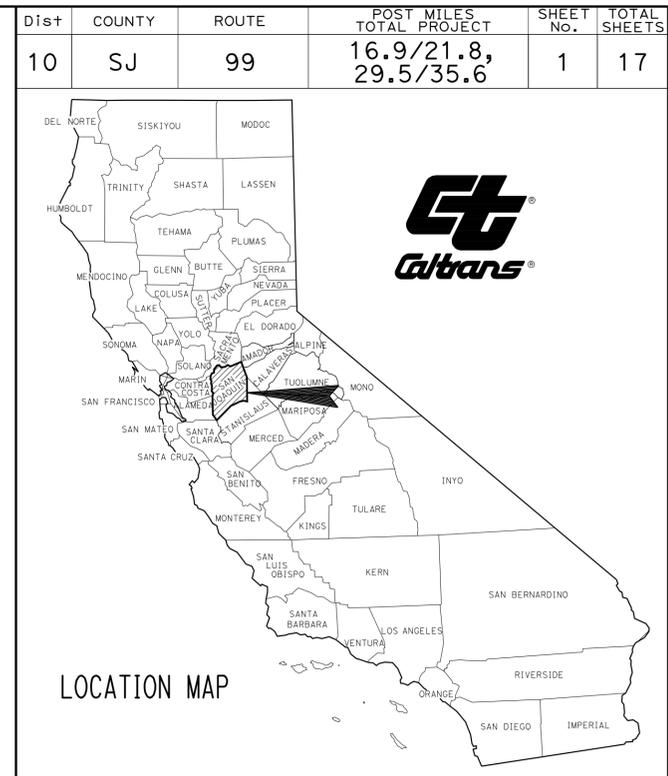
SHEET No.	DESCRIPTION
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3	SUMMARY OF QUANTITIES
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STRUCTURE PLANS	
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17	STRUCTURE APPROACH TYPE R(30D)

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

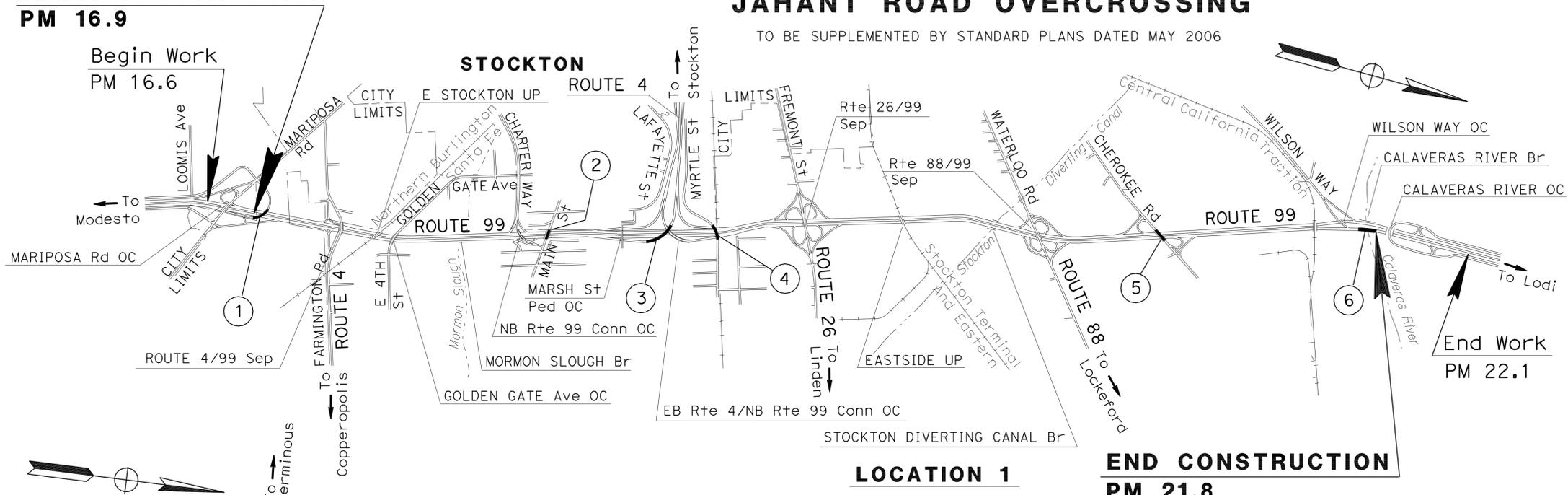
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON  
STATE HIGHWAY  
IN SAN JOAQUIN COUNTY  
IN AND NEAR STOCKTON  
FROM ROUTE 4 CONNECTOR OVERCROSSING TO  
CALAVERAS RIVER BRIDGE  
AND IN AND NEAR LODI  
FROM ROUTE 99/12 SEPARATION TO  
JAHANT ROAD OVERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

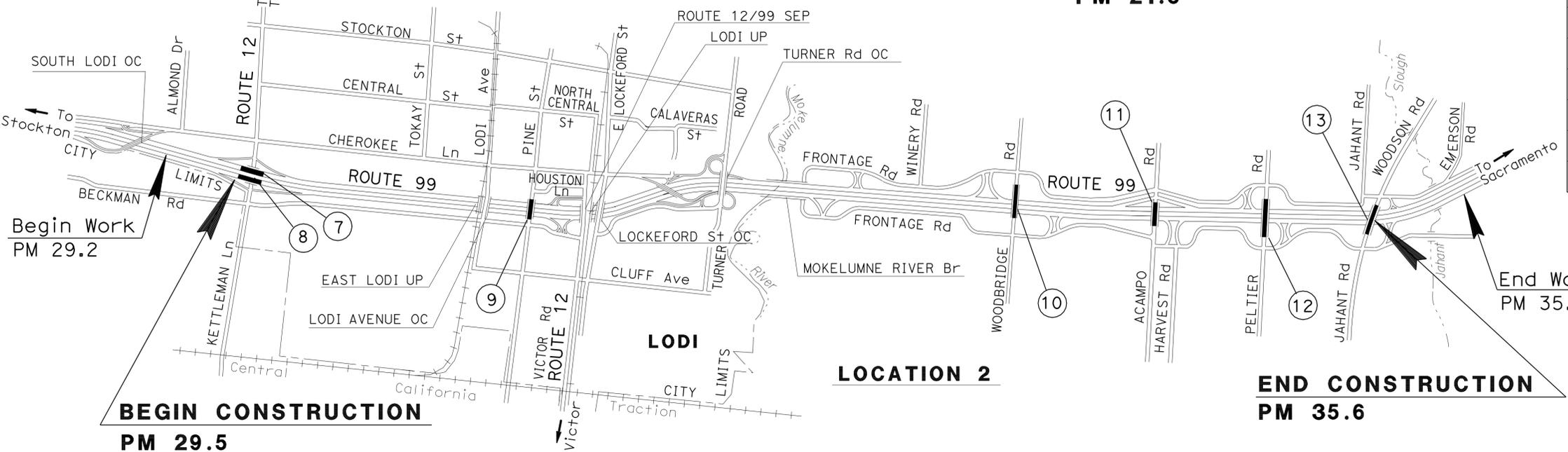


BEGIN CONSTRUCTION  
PM 16.9



LOCATION 1

END CONSTRUCTION  
PM 21.8



LOCATION 2

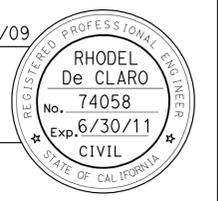
END CONSTRUCTION  
PM 35.6

LOCATIONS OF CONSTRUCTION

Loc	PM	STRUCTURE NAME	BRIDGE No.
1	16.87	ROUTE 4 CONNECTOR OC	29-0156G
2	18.15	MAIN STREET OC	29-0121
3	18.57	NB Rte 99/WB Rte 4 Conn OC	29-0309G
4	18.89	MYRTLE STREET OC	29-0308
5	20.88	CHEROKEE ROAD OC	29-0158
6	21.79	CALAVERAS RIVER	29-0008R
7	29.50	ROUTE 99/12 SEPARATION	29-0140L
8	29.50	ROUTE 99/12 SEPARATION	29-0140R
9	30.73	EAST PINE STREET OC	29-0149
10	32.57	WOODBIDGE ROAD OC	29-0145
11	33.57	ACAMPO ROAD OC	29-0146
12	34.58	PELTIER ROAD OC	29-0147
13	35.60	JAHANT ROAD OC	29-0134

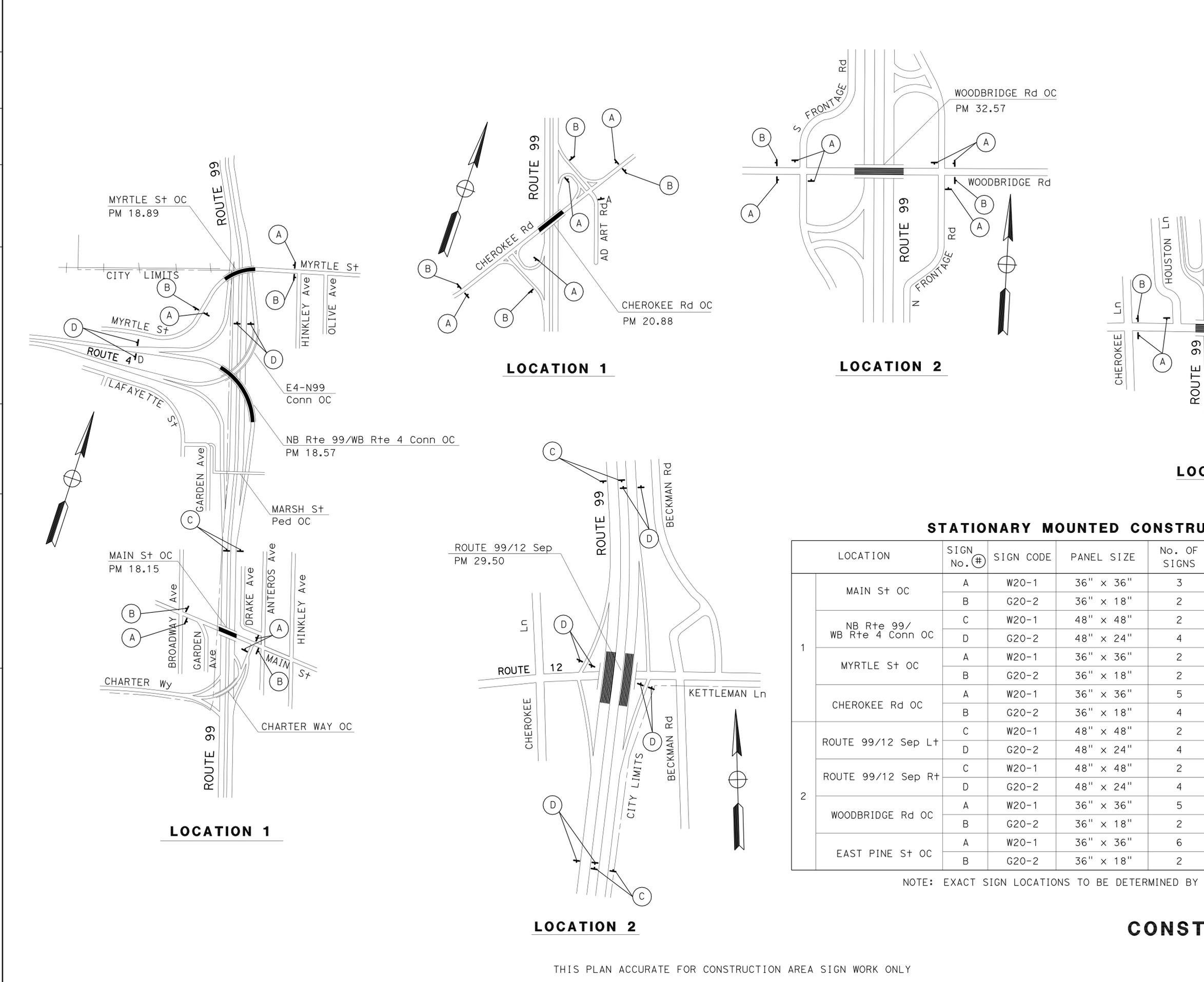
PROJECT MANAGER  
ALVIN MANGINDIN  
DESIGN ENGINEER  
ALVIN MANGINDIN

Rhodel De Claro 12/23/09  
PROJECT ENGINEER REGISTERED CIVIL ENGINEER DATE  
February 16, 2010  
PLANS APPROVAL DATE  
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE SCANNED COPIES OF THIS PLAN SHEET.



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

NO SCALE



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	99	16.9/21.8, 29.5/35.6	2	17

Rhodol DeClaro 12/23/09  
 REGISTERED CIVIL ENGINEER DATE

2-16-10  
 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.

REGISTERED PROFESSIONAL ENGINEER  
 RHODEL De CLARO  
 No. 74058  
 Exp. 6/30/11  
 CIVIL  
 STATE OF CALIFORNIA

**STATIONARY MOUNTED CONSTRUCTION AREA SIGNS**

LOCATION	SIGN No. (#)	SIGN CODE	PANEL SIZE	No. OF SIGNS	No. OF POSTS AND SIZE	SIGN MESSAGE
1	A	W20-1	36" x 36"	3	1 - 4" x 6"	ROAD WORK AHEAD
	B	G20-2	36" x 18"	2	1 - 4" x 4"	END ROAD WORK
1	C	W20-1	48" x 48"	2	1 - 6" x 6"	ROAD WORK AHEAD
	D	G20-2	48" x 24"	4	1 - 4" x 6"	END ROAD WORK
1	A	W20-1	36" x 36"	2	1 - 4" x 6"	ROAD WORK AHEAD
	B	G20-2	36" x 18"	2	1 - 4" x 4"	END ROAD WORK
1	A	W20-1	36" x 36"	5	1 - 4" x 6"	ROAD WORK AHEAD
	B	G20-2	36" x 18"	4	1 - 4" x 4"	END ROAD WORK
2	C	W20-1	48" x 48"	2	1 - 6" x 6"	ROAD WORK AHEAD
	D	G20-2	48" x 24"	4	1 - 4" x 6"	END ROAD WORK
2	C	W20-1	48" x 48"	2	1 - 6" x 6"	ROAD WORK AHEAD
	D	G20-2	48" x 24"	4	1 - 4" x 6"	END ROAD WORK
2	A	W20-1	36" x 36"	5	1 - 4" x 6"	ROAD WORK AHEAD
	B	G20-2	36" x 18"	2	1 - 4" x 4"	END ROAD WORK
2	A	W20-1	36" x 36"	6	1 - 4" x 6"	ROAD WORK AHEAD
	B	G20-2	36" x 18"	2	1 - 4" x 4"	END ROAD WORK

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

**CONSTRUCTION AREA SIGNS**

NO SCALE

**CS-1**

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE  
 FUNCTIONAL SUPERVISOR  
 ALVIN MANGINDIN  
 CALCULATED-DESIGNED BY  
 CHECKED BY  
 RHODEL DE CLARO  
 JOSE A. ALICEA II  
 REVISED BY  
 DATE REVISED  
 RDC  
 12/23/09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	99	16.9/21.8, 29.5/35.6	3	17

*Rhodel DeClaro* 12/23/09  
 REGISTERED CIVIL ENGINEER DATE

2-16-10  
 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.

**TRAFFIC MANAGEMENT SYSTEM ELEMENTS (EXISTING)**

PM	LOCATION	TYPE	DESCRIPTION
16.50	JUNCTION ROUTE 4	CCTV	CLOSED CIRCUIT TELEVISION
17.14	FARMINGTON ROAD ON RAMP	TMS	TRAFFIC MONITORING STATION
17.14	NORTH OF FARMINGTON ROAD OFF RAMP	TMS	TRAFFIC MONITORING STATION
17.20	NORTH OF FARMINGTON ROAD	CMS	CHANGEABLE MESSAGE SIGN
17.20	NORTH OF FARMINGTON ROAD	CCTV	CLOSED CIRCUIT TELEVISION
18.67	CROSSTOWN	RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
18.88	OFF RAMP TO WB ROUTE 4	CCTV	CLOSED CIRCUIT TELEVISION
20.11	SOUTH OF ON RAMP FROM EB WATERLOO ROAD/ROUTE 88	TMS	TRAFFIC MONITORING STATION
20.12	SOUTH OF WATERLOO ROAD	CMS	CHANGEABLE MESSAGE SIGN
20.15	SOUTH OF WATERLOO ROAD	TMS	TRAFFIC MONITORING STATION
20.60	NORTH OF WATERLOO ROAD	TMS	TRAFFIC MONITORING STATION
21.61	SOUTH OF WILSON WAY OC	TMS	TRAFFIC MONITORING STATION
21.61	SOUTH OF WILSON WAY OC	TMS	TRAFFIC MONITORING STATION
21.67	WILSON WAY	TMS	TRAFFIC MONITORING STATION
21.85	NORTH OF WILSON WAY OFF RAMP	TMS	TRAFFIC MONITORING STATION
21.85	WILSON WAY	RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
21.86	SOUTH OF CALAVERAS RIVER OC	TMS	TRAFFIC MONITORING STATION
22.00	NORTH OF WILSON WAY	CMS	CHANGEABLE MESSAGE SIGN
29.50	SOUTH OF LODI, JCT ROUTE 12 WEST	TMS	TRAFFIC MONITORING STATION
31.58	NORTH OF LODI, TURNER ROAD	TMS	TRAFFIC MONITORING STATION

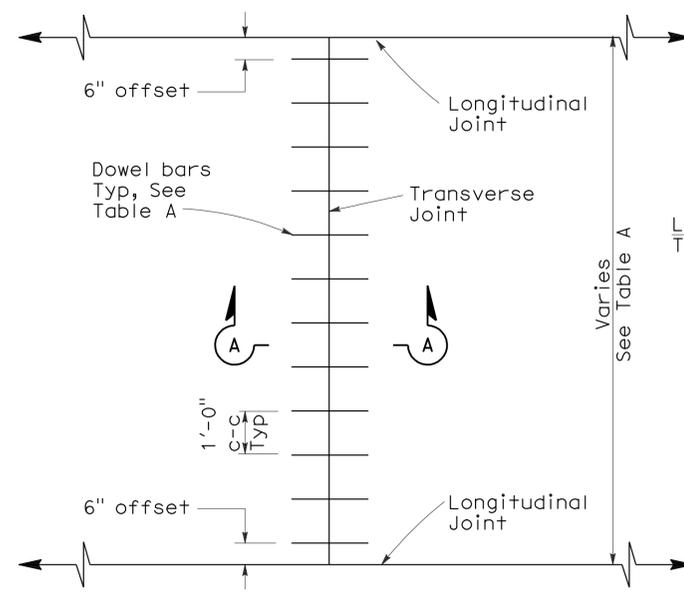
NOTE: TRAFFIC MANAGEMENT SYSTEM ELEMENT LOCATIONS ARE APPROXIMATE.

**PAVEMENT DELINEATION ITEMS**

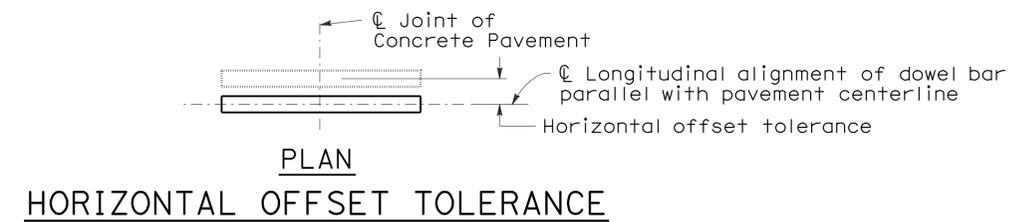
LOCATION	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	4" THERMOPLASTIC TRAFFIC STRIPE						REMOVE THERMOPLASTIC PAVEMENT MARKING	THERMOPLASTIC PAVEMENT MARKING	REMOVE PAVEMENT MARKER	PAVEMENT MARKER (RETROREFLECTIVE)							
			YELLOW			WHITE						TYPE D			TYPE G		TYPE H		
			DETAIL 2	DETAIL 22	DETAIL 25	DETAIL 29	DETAIL 9	DETAIL 12				DETAIL 27B	DETAIL 2	DETAIL 22	DETAIL 29	DETAIL 9	DETAIL 12	DETAIL 25	
MAIN St OC	LF	LF				504	252		SQFT	SQFT	EA			6	6				
NB Rte 99/WB Rte 4 Conn OC	683	1366			683			683	683		12						15	15	
MYRTLE St OC	626			626							28		28						
CHEROKEE Rd OC	478	478		478					478		20		20						
ROUTE 99/12 SEPARATION Lt	134	268			134			134	134		6						3	3	
ROUTE 99/12 SEPARATION Rt	74	148			134			134	134		6						3	3	
EAST PINE STREET OC	239		139	100						22	22	9	3	6					
WOODBIDGE ROAD OC				336					336		16		16						
<b>SUBTOTAL</b>	2234	2260	139	1540	951	504	252	951	1765	22	22	127	3	70	6	6	21	21	
<b>TOTAL</b>	2234	2260	6102							22	22	127	127						

**SUMMARY OF QUANTITIES**  
**Q-1**

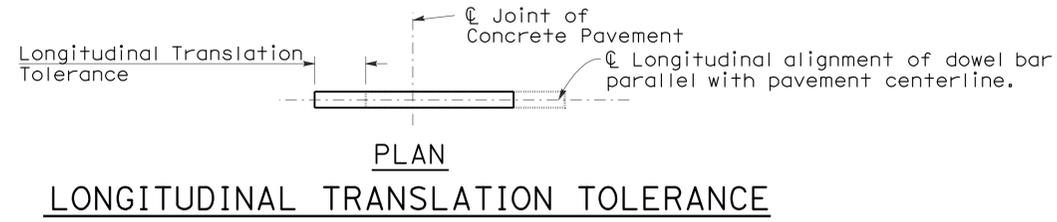
LAST REVISION | DATE PLOTTED => 17-FEB-2010  
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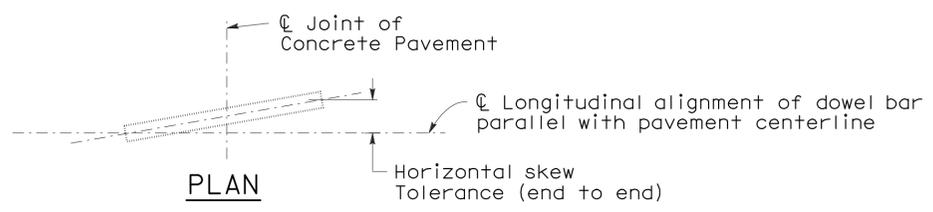
**TRANSVERSE JOINT DOWEL BAR LAYOUT**



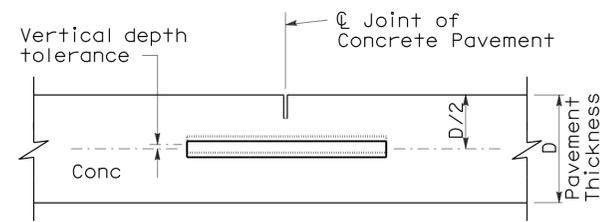
**HORIZONTAL OFFSET TOLERANCE**



**LONGITUDINAL TRANSLATION TOLERANCE**

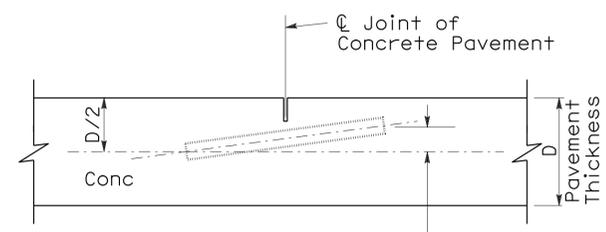


**HORIZONTAL SKEW TOLERANCE**



**ELEVATION**

**VERTICAL DEPTH TOLERANCE**



**ELEVATION**

**VERTICAL SKEW TOLERANCE**

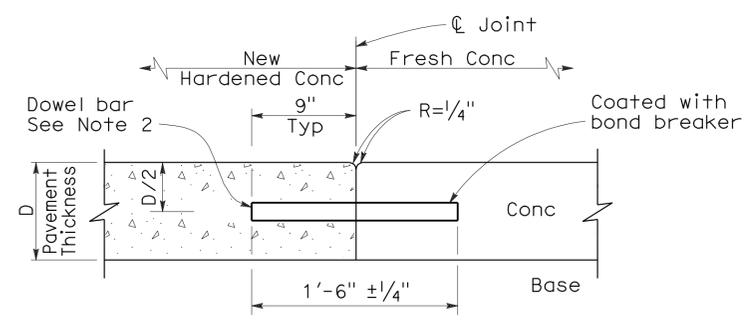
To accompany plans dated 2-16-10

**NOTES:**

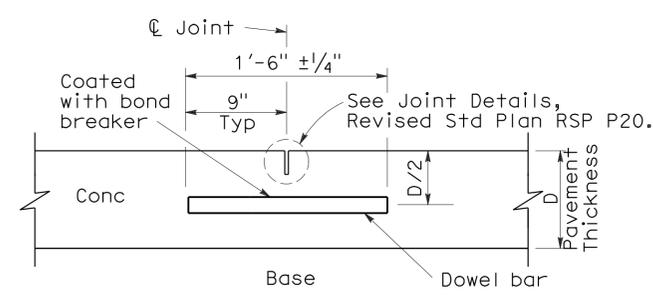
- See Revised Standard Plan RSP P1 for typical dowel bar placement and locations.
- 1 1/2" Dia smooth dowel bars are to be used with a pavement thickness, D, equal to or greater than 0.70 feet. For pavement thickness, D, less than 0.70 feet, use 1 1/4" Dia smooth dowel bars.
- For widths not shown, see Project Plans.
- If fresh concrete pavement is placed adjacent to existing concrete pavement, the top corner of the existing concrete pavement does not need to be rounded to the 1/4" radius, as shown.

**TABLE A (See Note 3)**

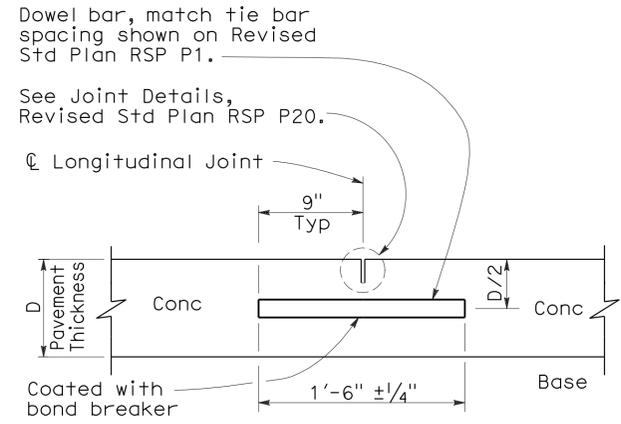
Dowel Bar Transverse Spacing Table	
Width between Longitudinal Joints	Number of Dowels between Longitudinal Joints
14'-0"	14
13'-0"	13
12'-0"	12
11'-0"	11
10'-0"	10
8'-0"	8
5'-0"	5
4'-0"	4



**SECTION A-A TRANSVERSE CONSTRUCTION JOINT DETAIL**

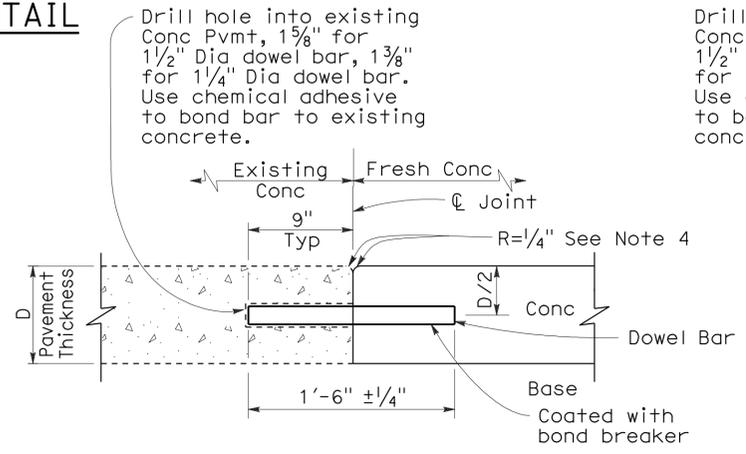


**TRANSVERSE CONTRACTION JOINT**



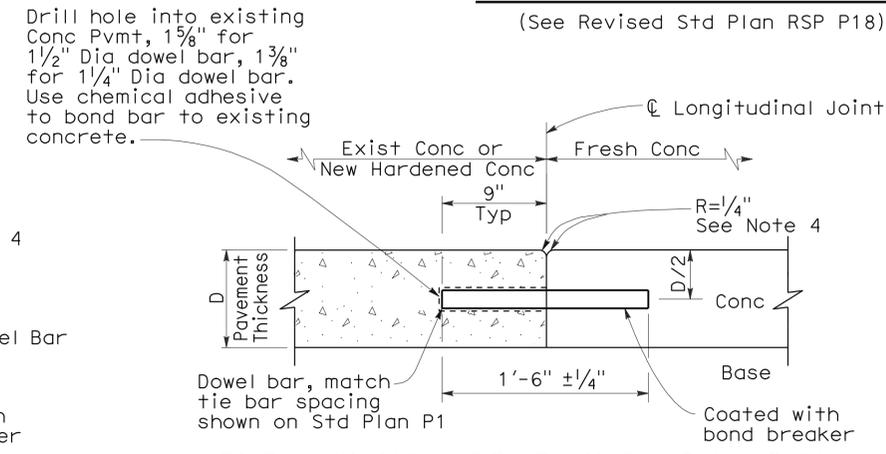
**LONGITUDINAL CONTRACTION JOINT WITH DOWEL BARS**

(See Revised Std Plan RSP P18)



**TRANSVERSE CONSTRUCTION JOINT FOR EXISTING CONCRETE PAVEMENT**

(Drill and bond locations)



**LONGITUDINAL CONSTRUCTION JOINT WITH DOWEL BARS**

(See Revised Std Plan RSP P18)

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**CONCRETE PAVEMENT-DOWEL BAR DETAILS**  
NO SCALE

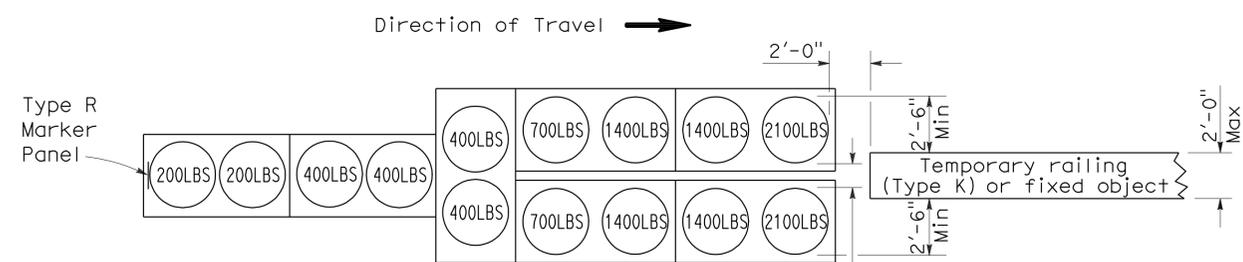
RSP P10 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P10 DATED MAY 1, 2006 - PAGE 124 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP P10**

2006 REVISED STANDARD PLAN RSP P10

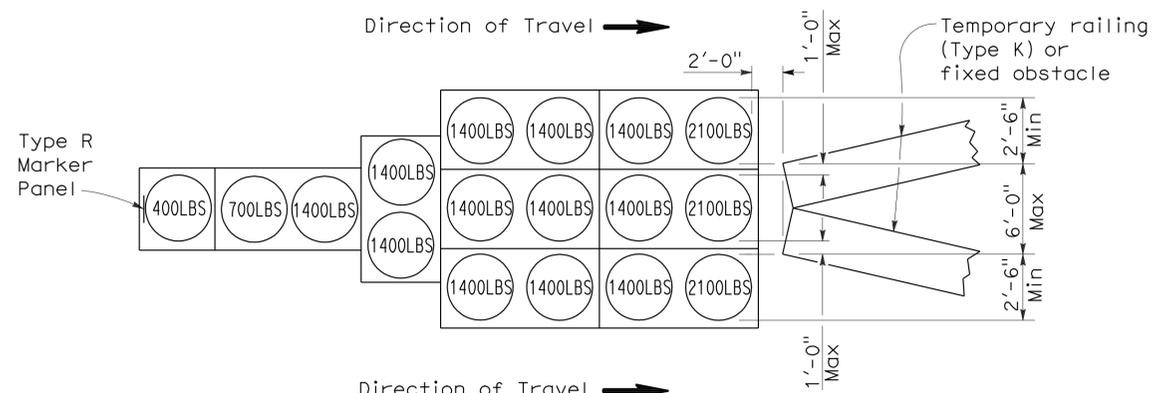
To accompany plans dated 2-16-10

2006 REVISED STANDARD PLAN RSP T1A



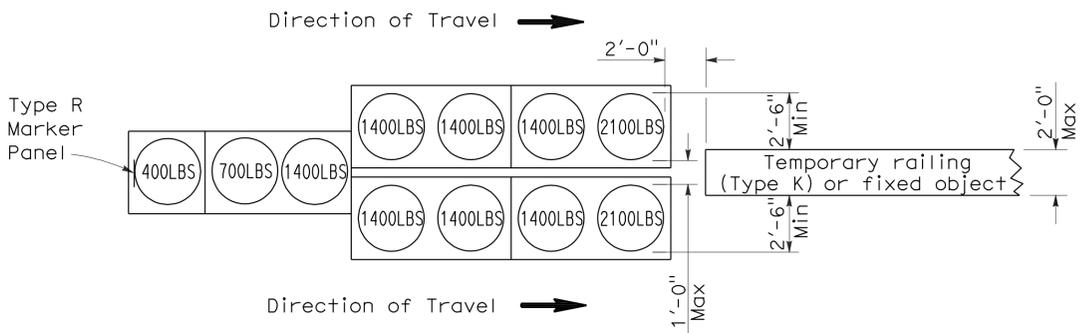
**ARRAY 'TU14'**

Approach speed 45 mph or more



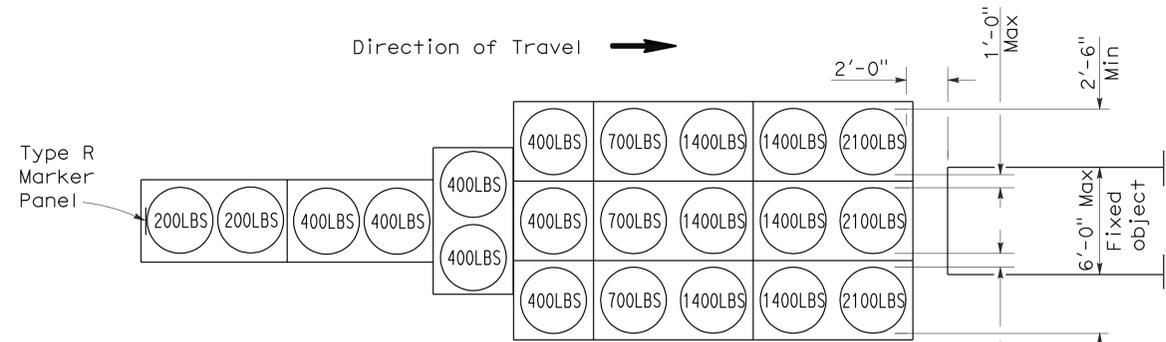
**ARRAY 'TU17'**

Approach speed less than 45 mph



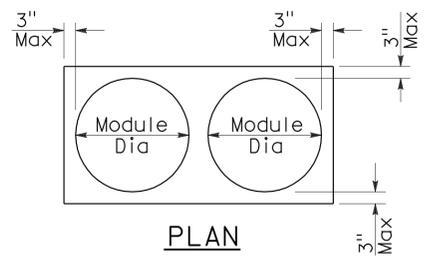
**ARRAY 'TU11'**

Approach speed less than 45 mph

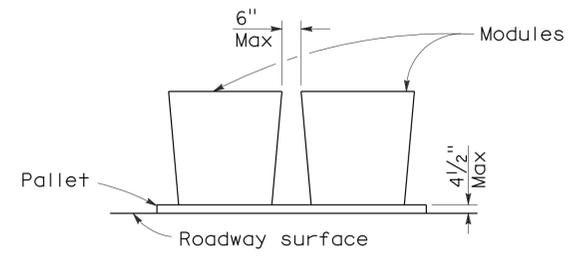


**ARRAY 'TU21'**

Approach speed 45 mph or more



**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**

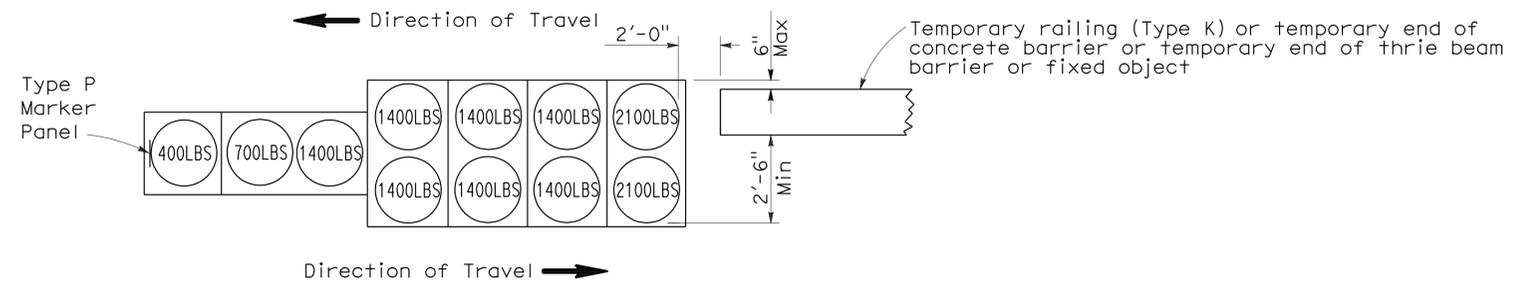
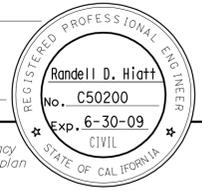
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	99	16.9/21.8, 29.5/35.6	6	17

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

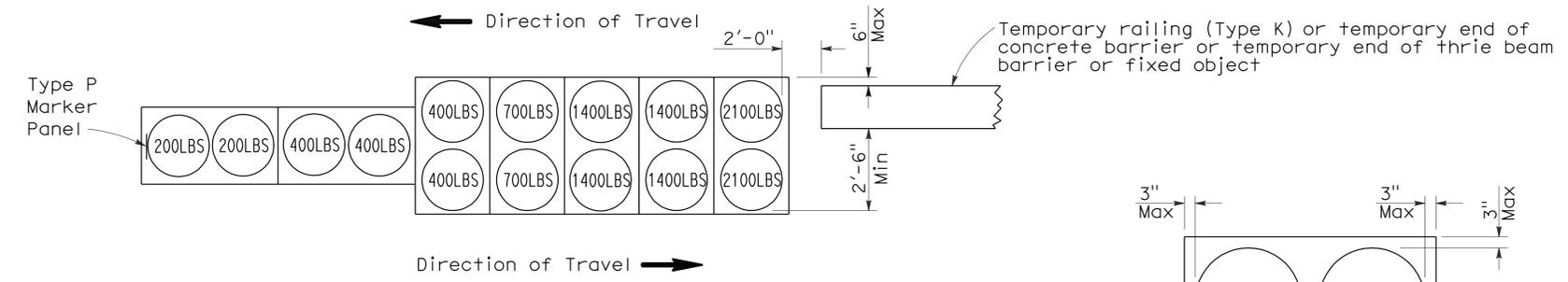
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To accompany plans dated 2-16-10



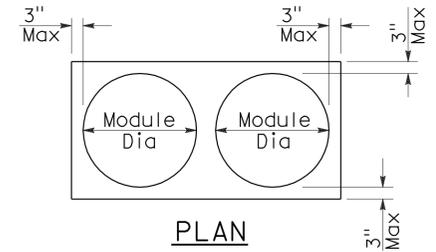
**ARRAY 'TB11'**

Approach speed less than 45 mph

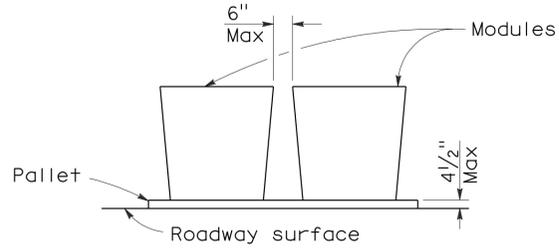


**ARRAY 'TB14'**

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
10	SJ	99	16.9/21.8, 29.5/35.6	7	17

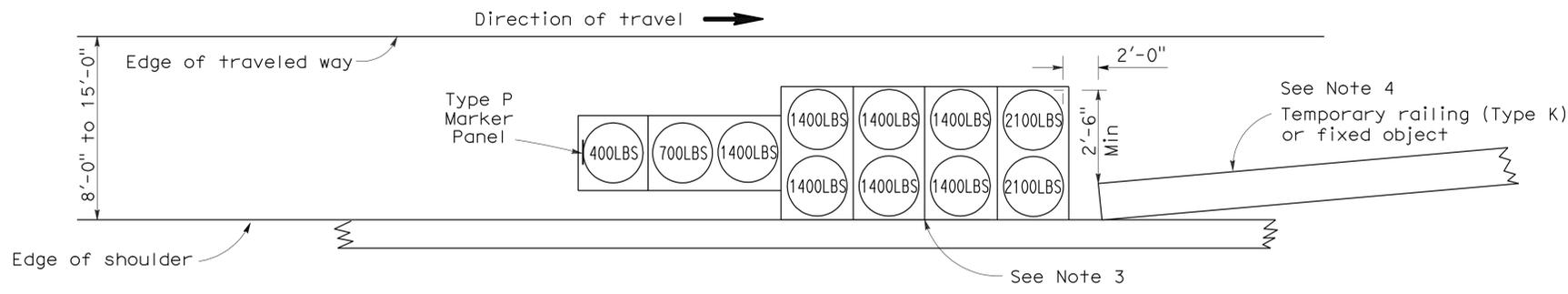
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

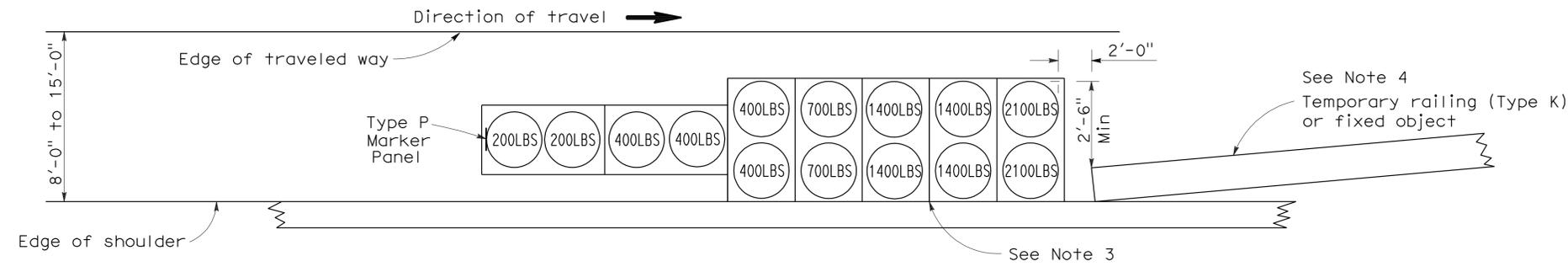
*Randell D. Hiatt*  
REGISTERED PROFESSIONAL ENGINEER  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

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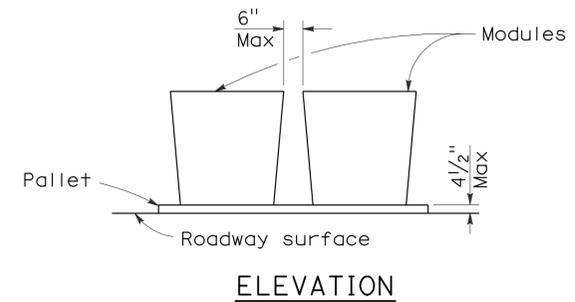
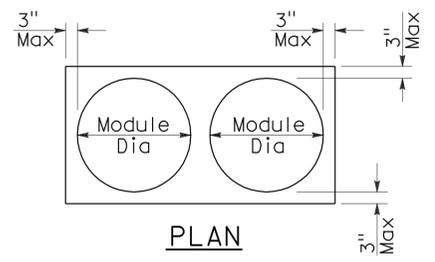
To accompany plans dated 2-16-10



**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.

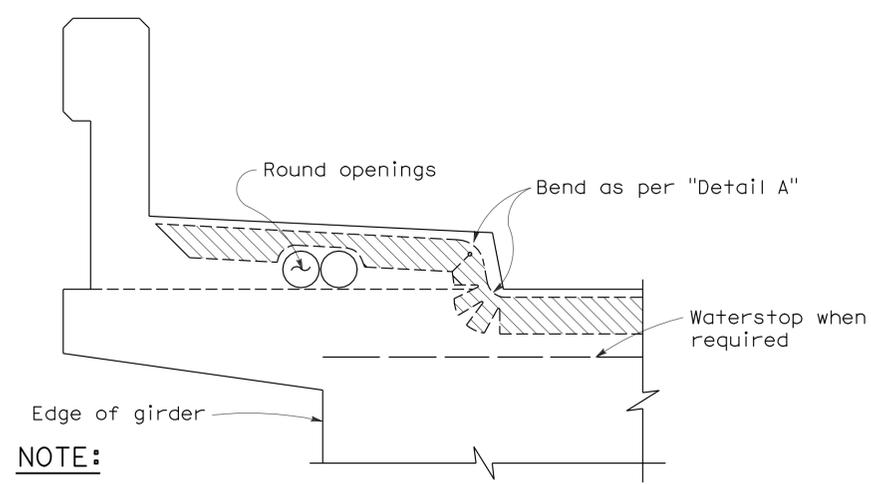
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(SHOULDER INSTALLATIONS)**

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.

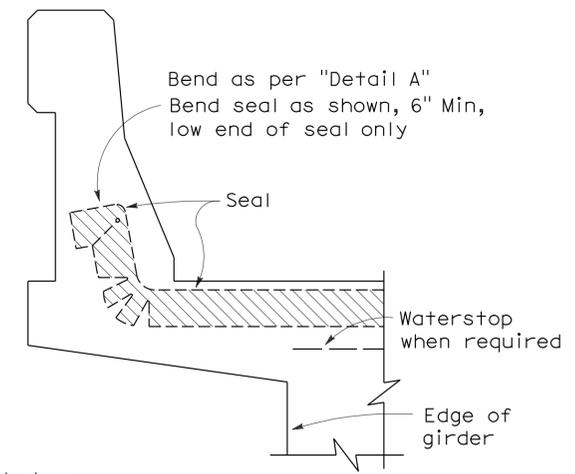
**REVISED STANDARD PLAN RSP T2**

2006 REVISED STANDARD PLAN RSP T2

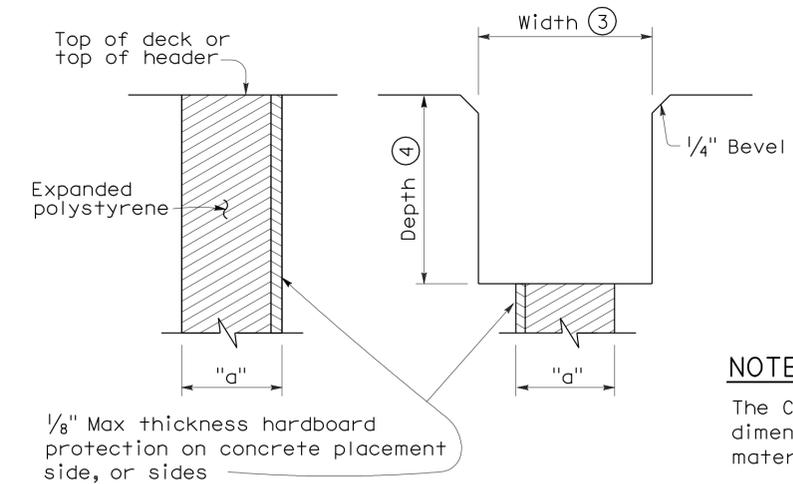


**NOTE:**  
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

**CONCRETE BARRIER AND SIDEWALK**



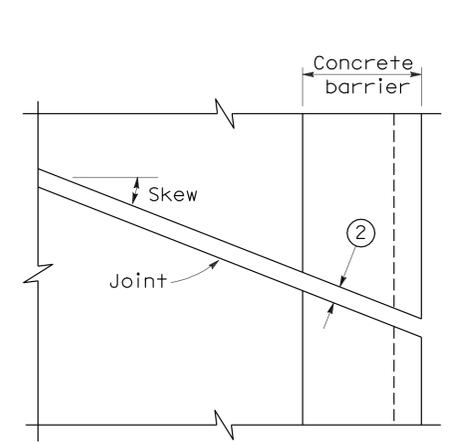
**CONCRETE BARRIER**



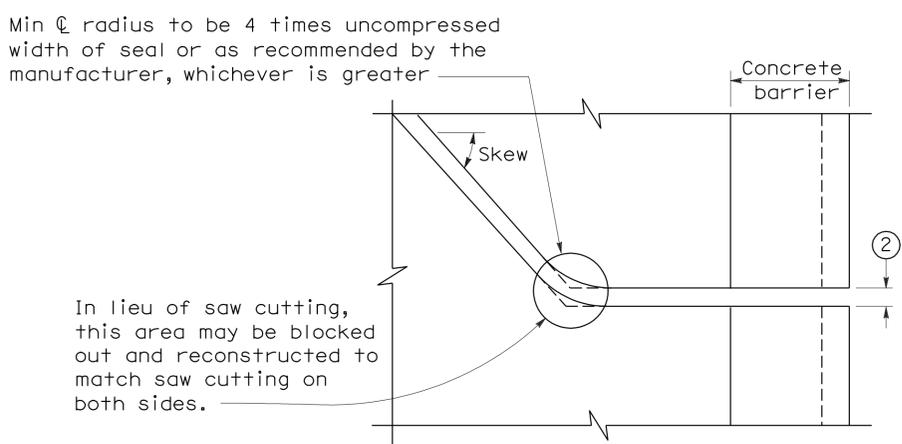
**FORMING DETAIL SAWCUT DETAIL**

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

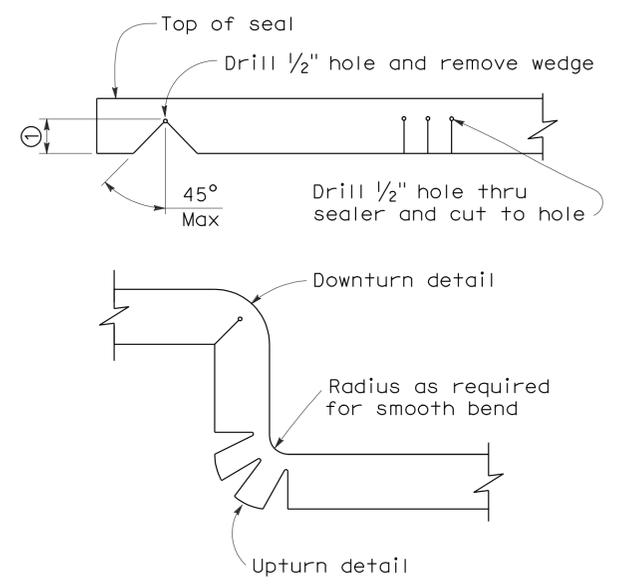
**JOINT SEALS DETAILS**



**PLAN OF JOINT (SKEW  $\leq 20^\circ$ )**



**PLAN OF JOINT (SKEW  $> 20^\circ$ )**



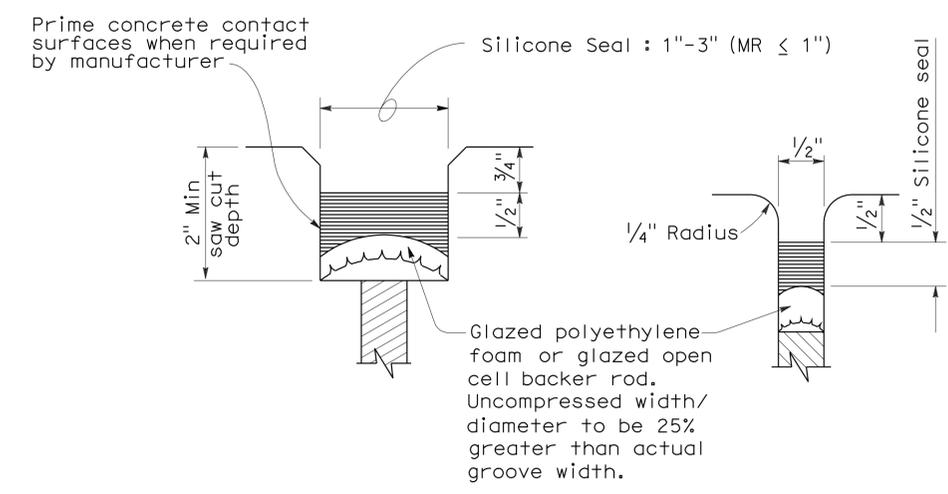
**DETAIL A**

- NOTES:**
- Make smooth cuts from the bottom of seal to 1/2" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
  - Opening in barrier to match width of sawn deck joint.
  - Sawcut groove widths shall be as ordered by the Engineer.
  - Depth of sawcut: Type A - Depth to be 2" minimum. Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (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

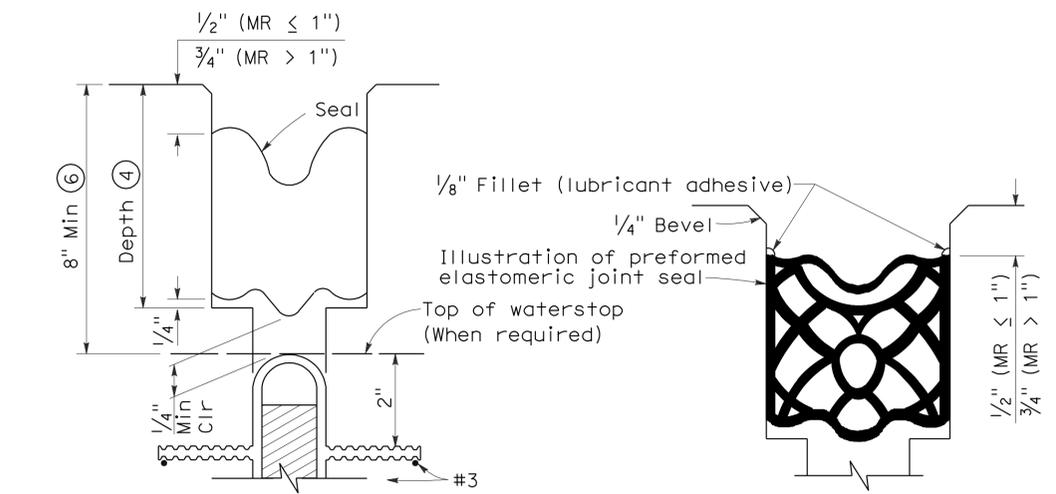


**TYPE A SEAL**

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  $\leq 2"$

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

NOTES: (APPLY TO ALL SHEETS )

----- Indicates existing.

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
10	SJ	99	16.9/21.8; 29.5/35.6	9	17

*Martin B. Furlong*  
 REGISTERED CIVIL ENGINEER DATE 11-24-09  
 2-16-10  
 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.

**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")
P10	CONCRETE PAVEMENT - DOWEL BAR DETAILS

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.



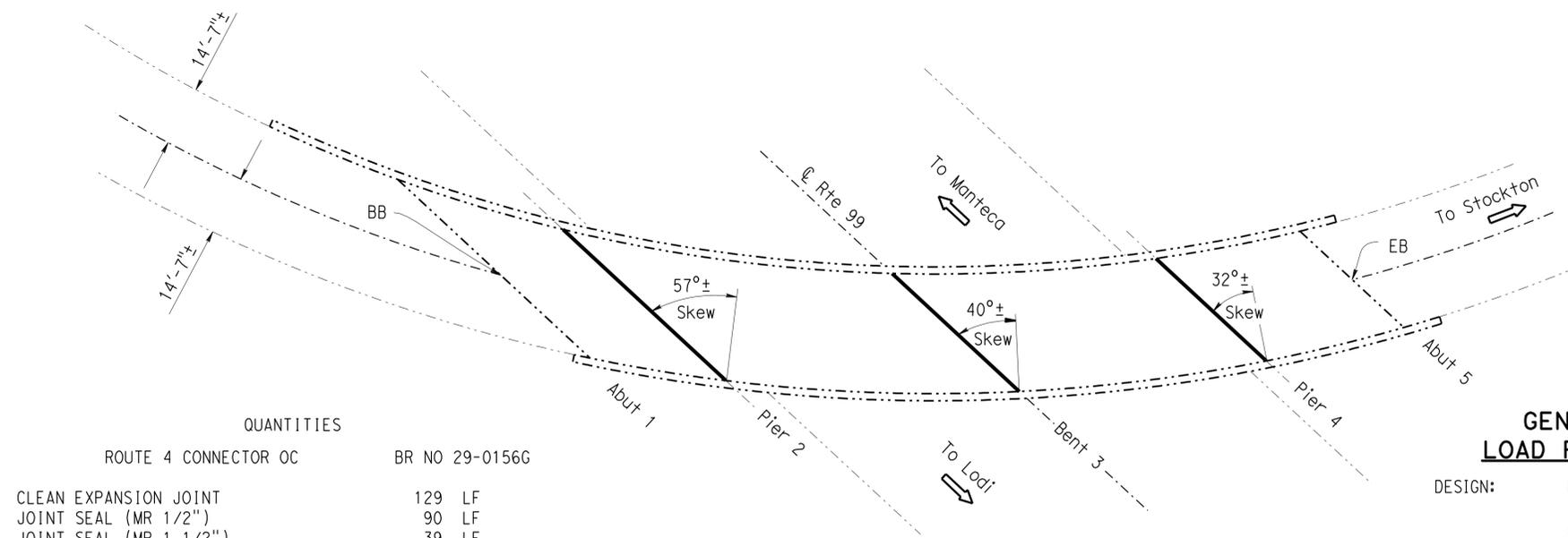
Indicates limits of remove existing chip seal.



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

**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	JOINT SEAL DETAILS NO. 1
8	JOINT SEAL DETAILS NO. 2
9	STRUCTURE APPROACH TYPE R(30D)



**QUANTITIES**

ROUTE 4 CONNECTOR OC	BR NO 29-0156G
CLEAN EXPANSION JOINT	129 LF
JOINT SEAL (MR 1/2")	90 LF
JOINT SEAL (MR 1 1/2")	39 LF

**GENERAL NOTES  
LOAD FACTOR DESIGN**

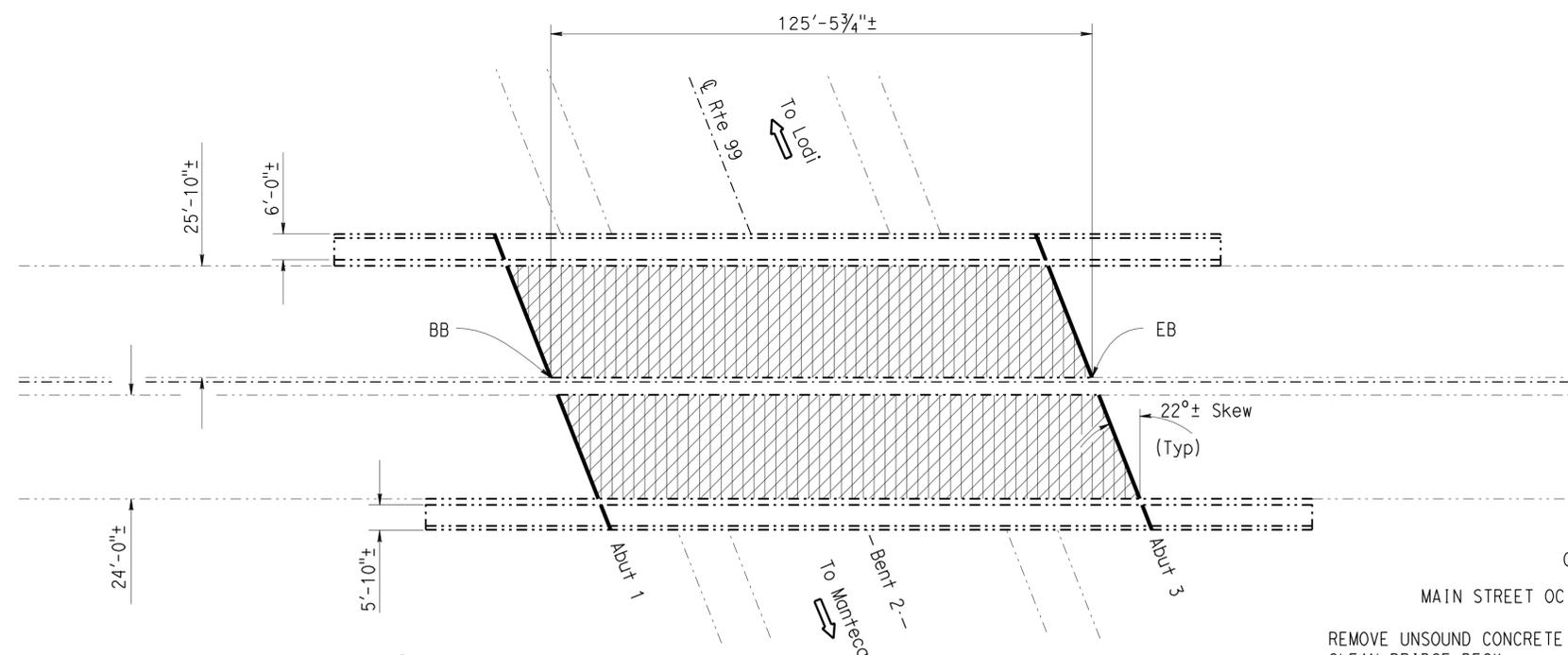
DESIGN: BRIDGE DESIGN SPECIFICATIONS (1996 AASHTO with Interims and Revisions by CALTRANS)

REINFORCED CONCRETE:  $f_y = 60$  ksi  
 $f'_c = 3.6$  ksi  
 $n = 8$



**ROUTE 4 CONNECTOR OVERCROSSING**

Br No. 29-0156G, ROUTE 99, PM 16.87  
1" = 20'



**QUANTITIES**

MAIN STREET OC	BR NO 29-0121
REMOVE UNSOUND CONCRETE	16 CF
CLEAN BRIDGE DECK	6,275 SQFT
REMOVE CHIP SEAL	6,275 SQFT
CLEAN EXPANSION JOINT	136 LF
RAPID SETTING CONCRETE (PATCH)	16 CF
JOINT SEAL (MR 1/2")	136 LF
TREAT BRIDGE DECK	6,275 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	70 GAL
PUBLIC SAFETY PLAN	LUMP SUM



**MAIN STREET OVERCROSSING**

Br No. 29-0121, ROUTE 99, PM 18.15  
1" = 20'

*Martin B. Furlong*  
11-24-09  
DESIGN ENGINEER

DESIGN	BY M. Furlong	CHECKED B. Nguyen
DETAILS	BY David Kish	CHECKED B. Nguyen
QUANTITIES	BY M. Furlong	CHECKED B. Nguyen

LAYOUT	BY David Kish	CHECKED B. Nguyen
SPECIFICATIONS	BY Mary Kopsa	CHECKED Mary Kopsa

PLANS AND SPECIFICATIONS COMPARED  
Mary Kopsa

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS  
POST MILE VARIOUS

**ROUTE 99 BRIDGES  
GENERAL PLAN NO. 1**

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

CU 10604  
EA 0T8301

FILE => 10-0+8301\_01gp.dgn

DISREGARD PRINTS BEARING EARLIER REVISION DATES

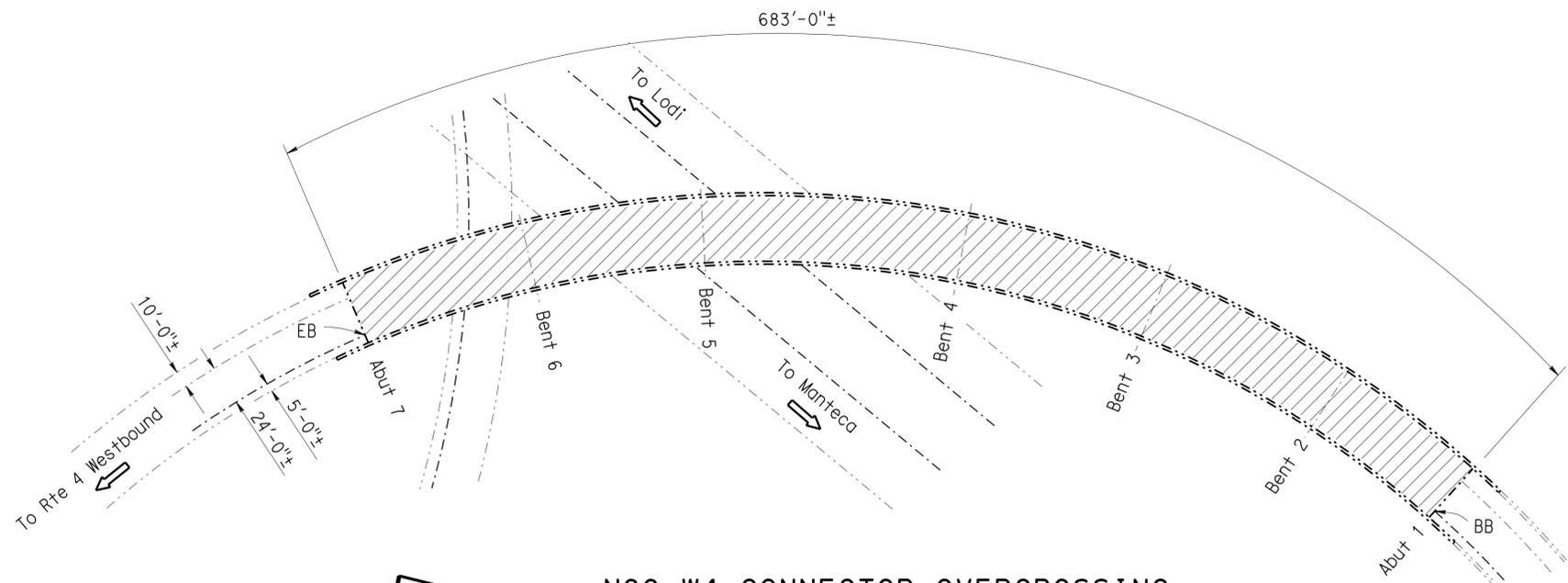
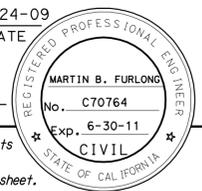
3-28-09 4-29-09 5-29-09

REVISION DATES

SHEET 1 OF 9

USERNAME => HTTIGHT DATE PLOTTED => 17FEB-2010 TIME PLOTTED => 10:23

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
10	SJ	99	16.9/21.8; 29.5/35.6	10	17
			REGISTERED CIVIL ENGINEER DATE		
			11-24-09		
			PLANS APPROVAL DATE		
			2-16-10		
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.					



**N99-W4 CONNECTOR OVERCROSSING**

Br No. 29-0309G, ROUTE 99, PM 18.57  
1" = 50'

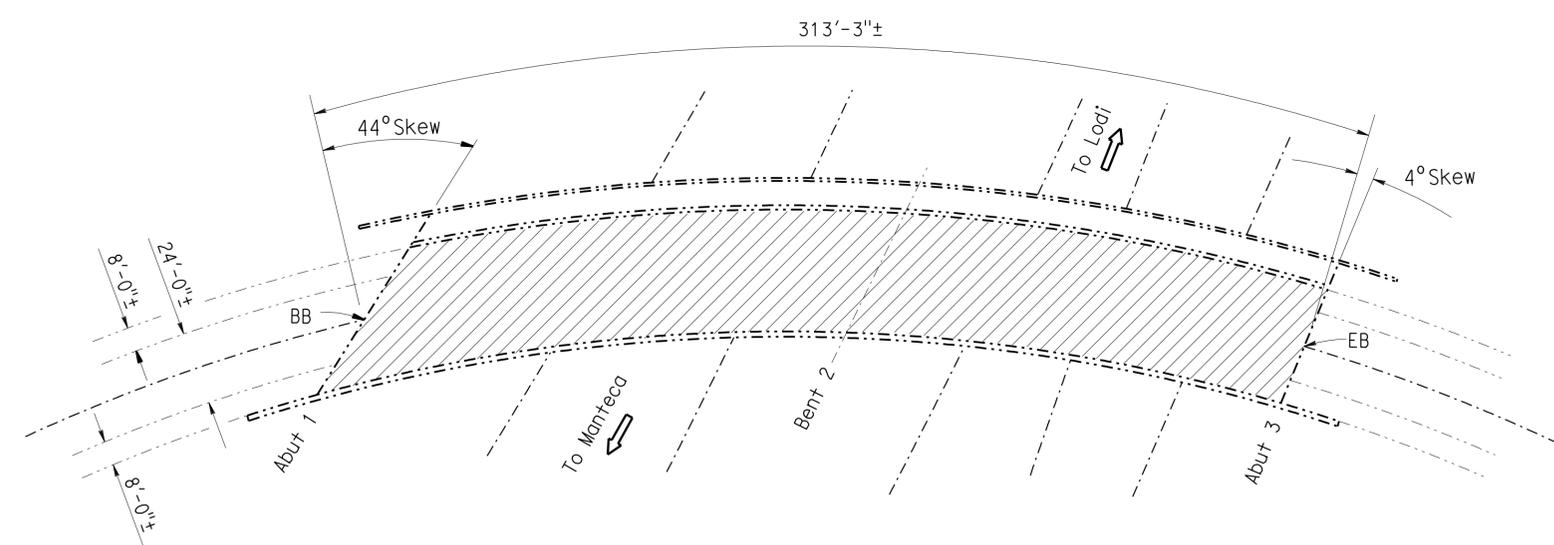


NOTES: (APPLY TO THIS SHEET ONLY)

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.

QUANTITIES

N99-W4 CONNECTOR OC	BR NO 29-0309G
REMOVE UNSOUND CONCRETE	67 CF
CLEAN BRIDGE DECK	26,640 SOFT
RAPID SETTING CONCRETE (PATCH)	67 CF
TREAT BRIDGE DECK	26,640 SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	300 GAL
PUBLIC SAFETY PLAN	LUMP SUM



**MYRTLE STREET OVERCROSSING**

Br No. 29-0308, ROUTE 99, PM 18.89  
1" = 30'



QUANTITIES

MYRTLE STREET OC	BR NO 29-0308
REMOVE UNSOUND CONCRETE	31 CF
CLEAN BRIDGE DECK	12,530 SOFT
RAPID SETTING CONCRETE (PATCH)	31 CF
TREAT BRIDGE DECK	12,530 SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	140 GAL
PUBLIC SAFETY PLAN	LUMP SUM

*Martin B. Furlong*  
DESIGN ENGINEER  
11-24-09

DESIGN	BY M. Furlong	CHECKED B. Nguyen
DETAILS	BY David Kish	CHECKED B. Nguyen
QUANTITIES	BY M. Furlong	CHECKED B. Nguyen

LAYOUT	BY David Kish
SPECIFICATIONS	BY Mary Kopsa

CHECKED	B. Nguyen
PLANS AND SPECIFICATIONS COMPARED	Mary Kopsa

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

**ROUTE 99 BRIDGES**  
**GENERAL PLAN NO. 2**

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

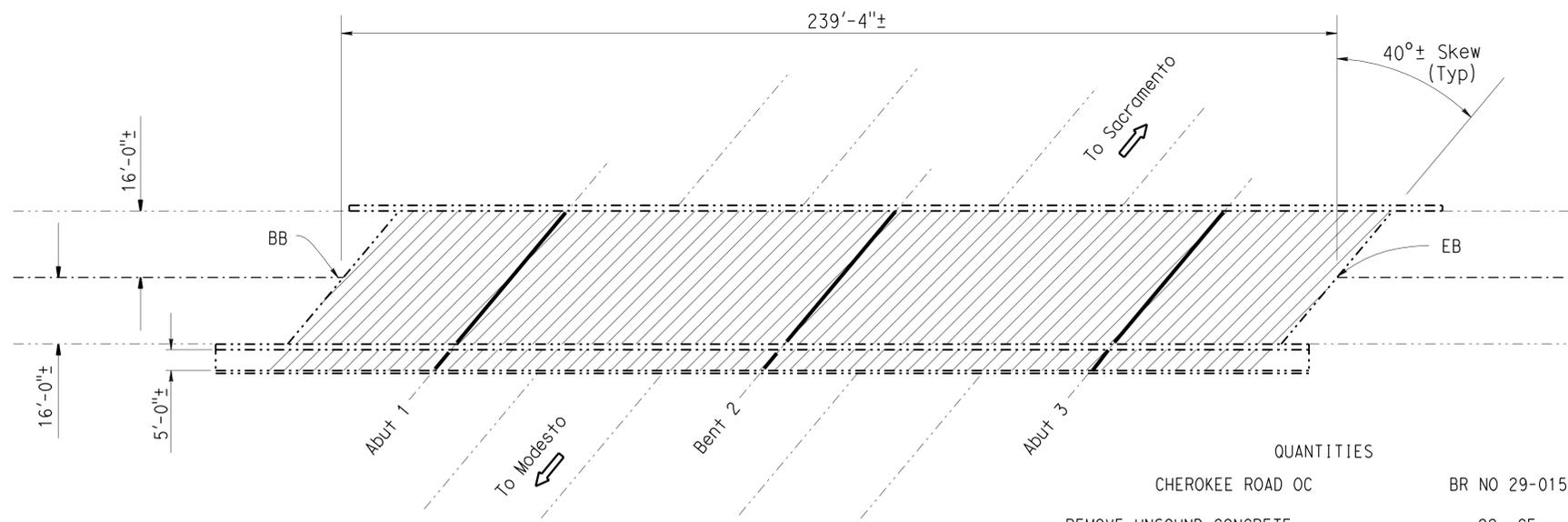
CU 10604  
EA 0T8301

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	3-28-09	4-29-09	5-15-09						
SHEET	2								
OF	9								

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
10	SJ	99	16.9/21.8, 29.5/35.6	11	17

*Martin B. Furlong*  
 REGISTERED CIVIL ENGINEER DATE 11-24-09  
 2-16-10  
 PLANS APPROVAL DATE  
 MARTIN B. FURLONG  
 No. C70764  
 Exp. 6-30-11  
 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.



**CHEROKEE ROAD OVERCROSSING**  
 Br No. 29-0158, ROUTE 99, PM 20.88  
 1" = 20'

QUANTITIES

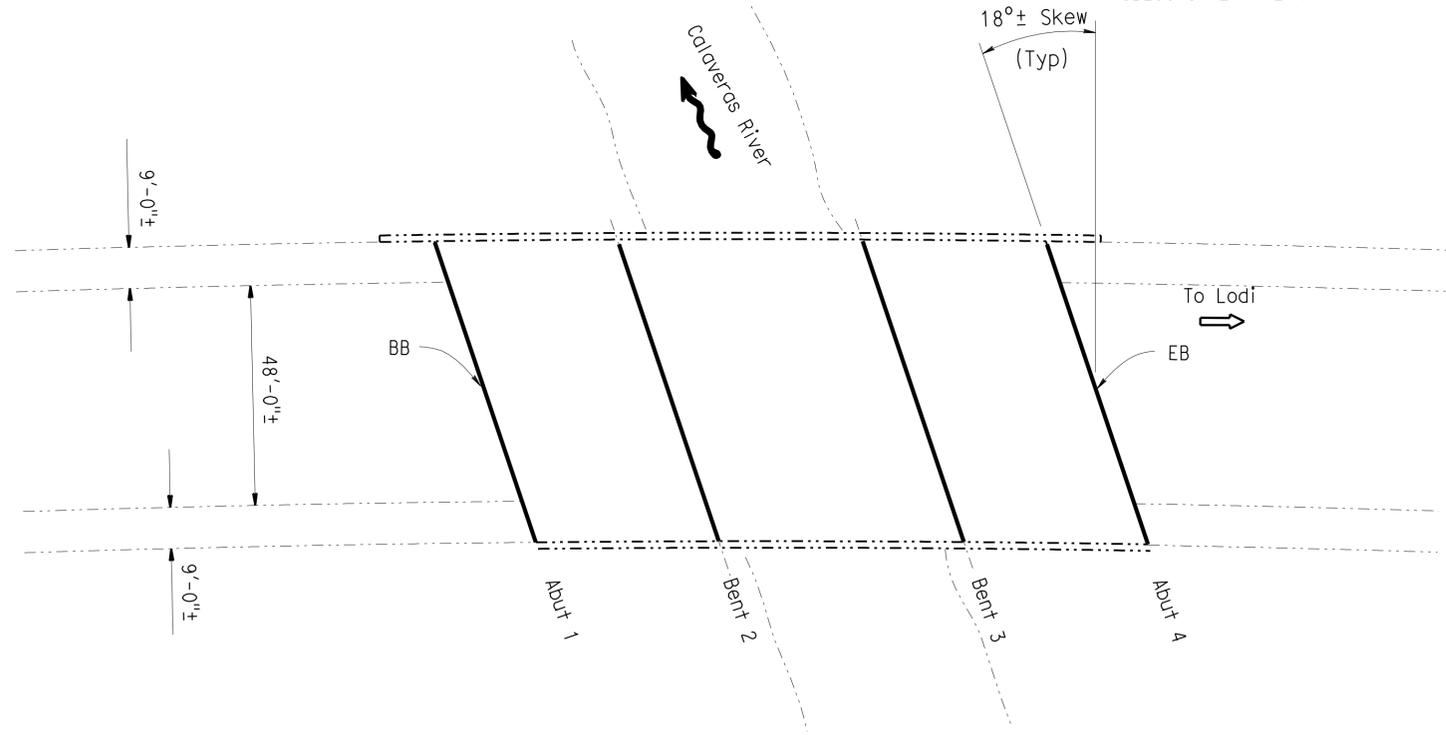
CHEROKEE ROAD OC BR NO 29-0158

REMOVE UNSOUND CONCRETE	22	CF
CLEAN BRIDGE DECK	8,880	SQFT
CLEAN EXPANSION JOINT	150	LF
RAPID SETTING CONCRETE (PATCH)	22	CF
JOINT SEAL (MR 1/2")	100	LF
JOINT SEAL (MR 2")	50	LF
TREAT BRIDGE DECK	8,880	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	99	GAL
PUBLIC SAFETY PLAN		LUMP SUM

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 clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.



**CALAVERAS RIVER**  
 Br No. 29-0008R, ROUTE 99, PM 21.79  
 1" = 20'

QUANTITIES

CALAVERAS RIVER BR NO 29-0008R

JOINT SEAL (ASPHALTIC PLUG)	280	LF
-----------------------------	-----	----

 DESIGN ENGINEER 11-24-09	DESIGN	BY M. Furlong	CHECKED B. Nguyen	LAYOUT	BY David Kish	CHECKED B. Nguyen	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	<b>DIVISION OF MAINTENANCE</b> STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	<b>ROUTE 99 BRIDGES</b> GENERAL PLAN NO. 3	
	DETAILS	BY David Kish	CHECKED B. Nguyen	SPECIFICATIONS	BY Mary Kopsa	CHECKED Mary Kopsa			VARIOUS		
	QUANTITIES	BY M. Furlong	CHECKED B. Nguyen						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 10604 EA 0T8301	REVISION DATES	SHEET 3 OF 9

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 3-27-09 4-29-09 5-18-09 5-29-09

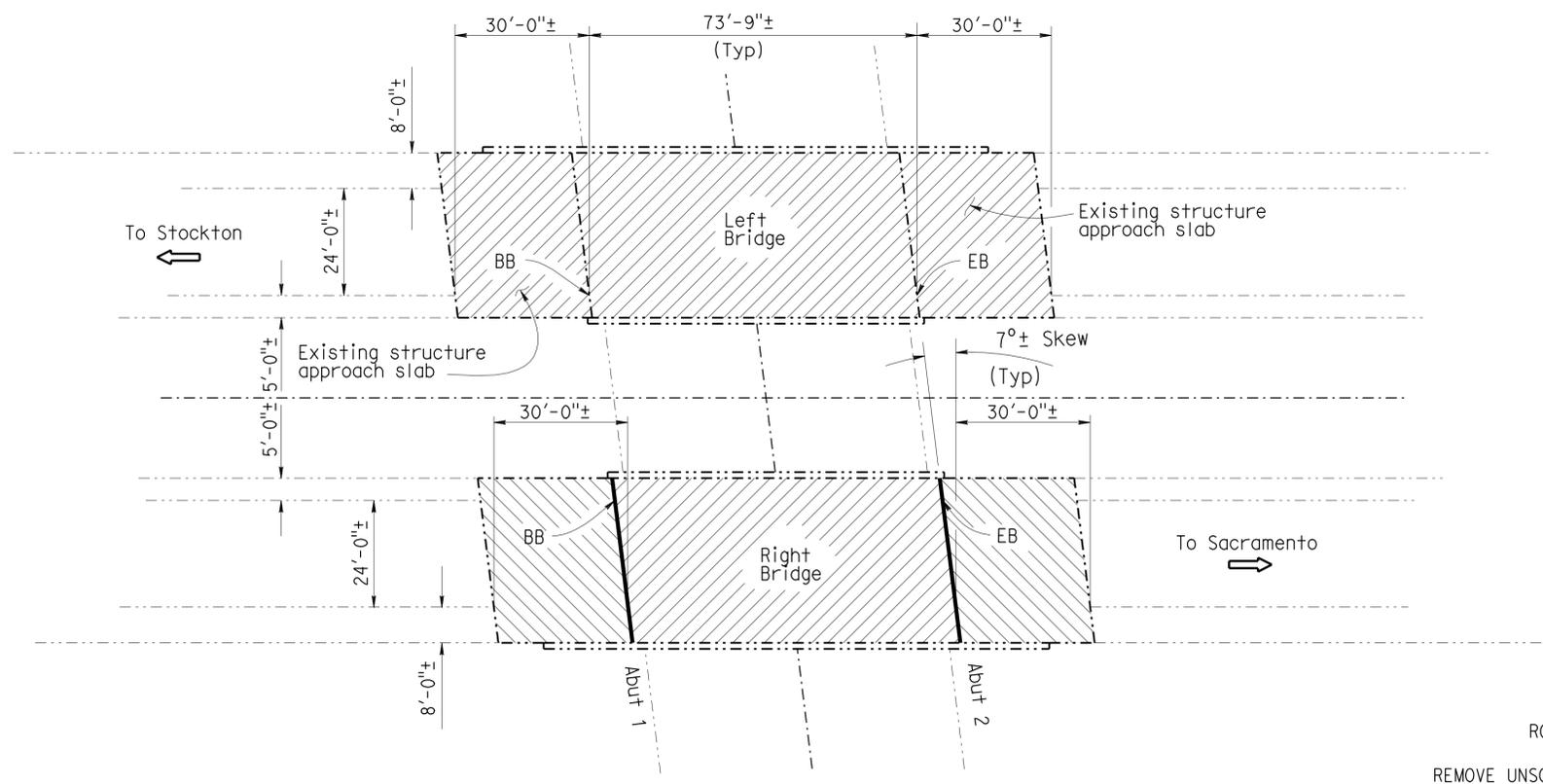
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USERNAME => HRTIGHT DATE PLOTTED => 17-FEB-2010 TIME PLOTTED => 10:23

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
10	SJ	99	16.9/21.8; 29.5/35.6	12	17

*Rest B. Halsey* 11-24-09  
 REGISTERED CIVIL ENGINEER DATE  
 2-16-10  
 PLANS APPROVAL DATE  
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER  
 MARTIN B. FURLONG  
 No. C70764  
 Exp. 6-30-11  
 CIVIL  
 STATE OF CALIFORNIA



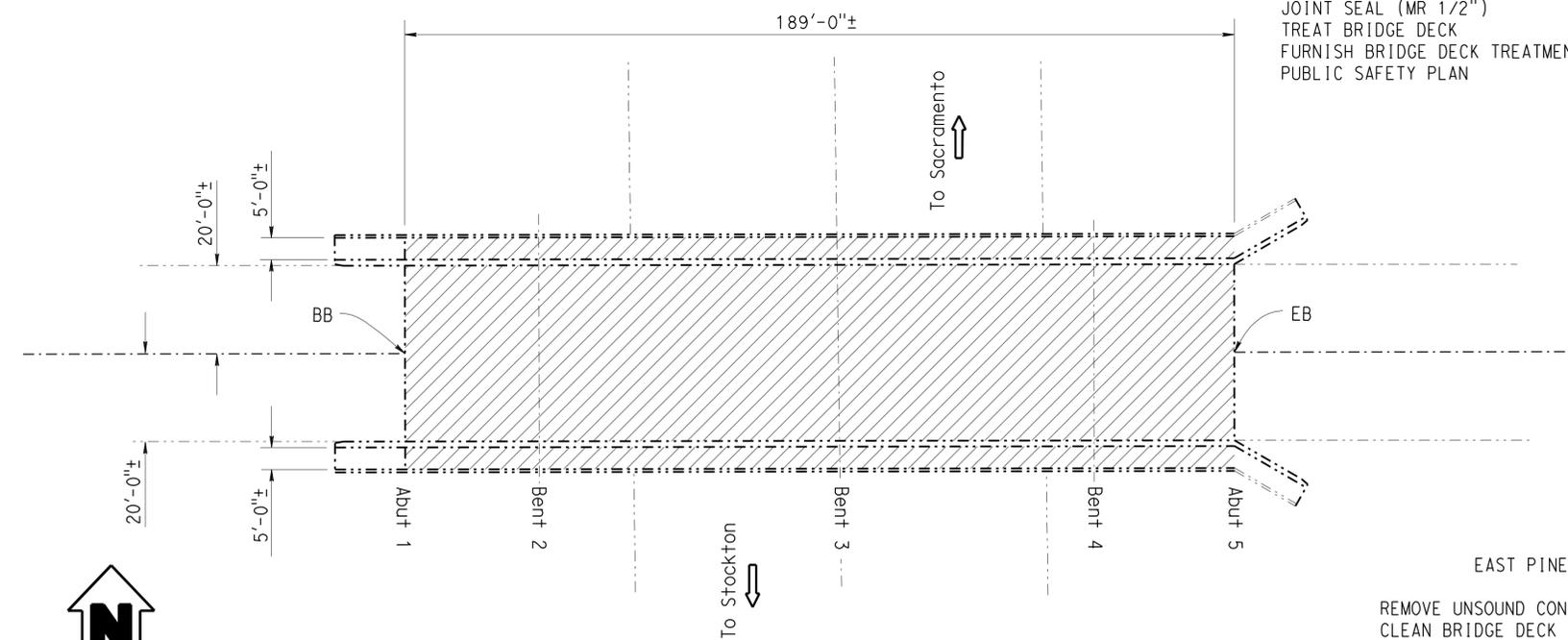
**ROUTE 99/12 SEPARATION**

Br No. 29-0140R/L, ROUTE 99, PM 29.50  
1" = 20'

QUANTITIES  
ROUTE 99/12 SEPARATION BR NO 29-0140R/L

REMOVE UNSOUND CONCRETE	19	CF
CLEAN BRIDGE DECK	7,700	SQFT
AGGREGATE BASE (APPROACH SLAB)	9	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	88	CY
PAVING NOTCH EXTENSION	2	CY
RAPID SETTING CONCRETE (PATCH)	19	CF
JOINT SEAL (MR 1/2")	76	LF
TREAT BRIDGE DECK	7,700	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	86	GAL
PUBLIC SAFETY PLAN		LUMP SUM

- 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 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.



**EAST PINE STREET OVERCROSSING**

Br No. 29-0149, ROUTE 99, PM 30.73  
1" = 20'

QUANTITIES  
EAST PINE STREET OC BR NO 29-0149

REMOVE UNSOUND CONCRETE	24	CF
CLEAN BRIDGE DECK	9,450	SQFT
RAPID SETTING CONCRETE (PATCH)	24	CF
TREAT BRIDGE DECK	9,450	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	105	GAL
PUBLIC SAFETY PLAN		LUMP SUM

*Martin B. Furlong*  
DESIGN ENGINEER 11-24-09

DESIGN	BY M. Furlong	CHECKED B. Nguyen
DETAILS	BY David Kish	CHECKED B. Nguyen
QUANTITIES	BY M. Furlong	CHECKED B. Nguyen

LAYOUT	BY David Kish	CHECKED B. Nguyen
SPECIFICATIONS	BY Mary Kopsa	CHECKED Mary Kopsa

PLANS AND SPECIFICATIONS COMPARED  
Mary Kopsa

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

**ROUTE 99 BRIDGES  
GENERAL PLAN NO. 4**

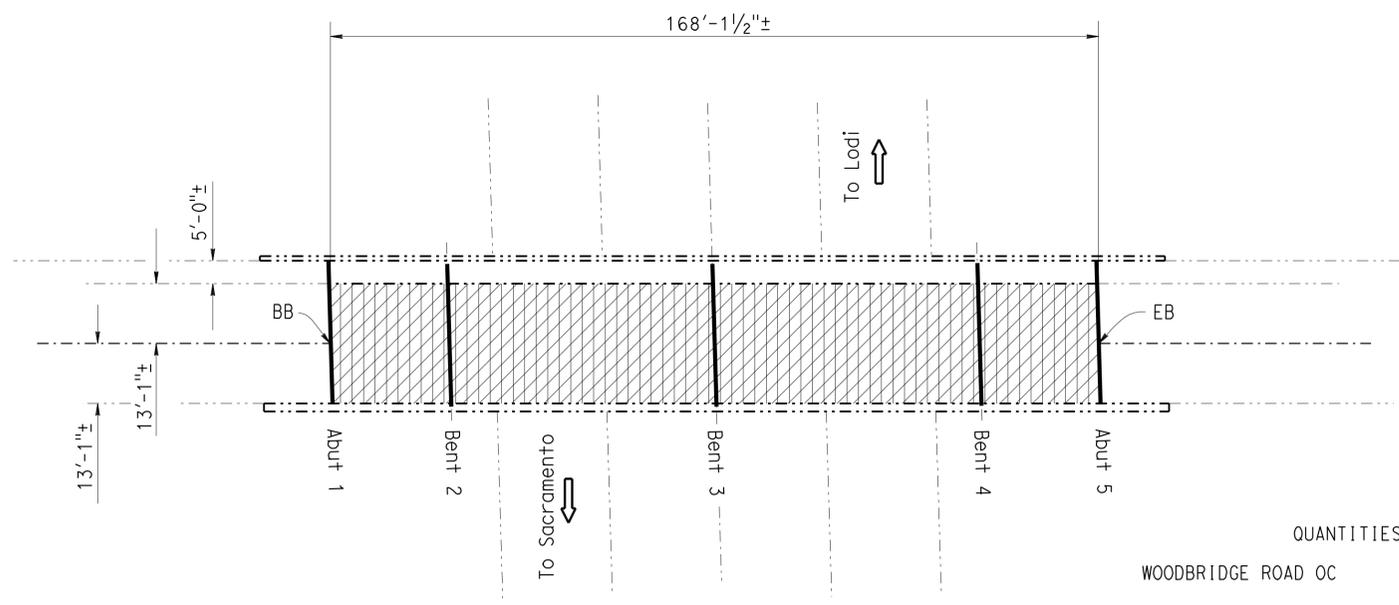
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
10	SJ	99	16.9/21.8, 29.5/35.6	13	17

*Keith D. Hulse* 11-24-09  
 REGISTERED CIVIL ENGINEER DATE

2-16-10  
 PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER  
 MARTIN B. FURLONG  
 No. C70764  
 Exp. 6-30-11  
 CIVIL  
 STATE OF CALIFORNIA



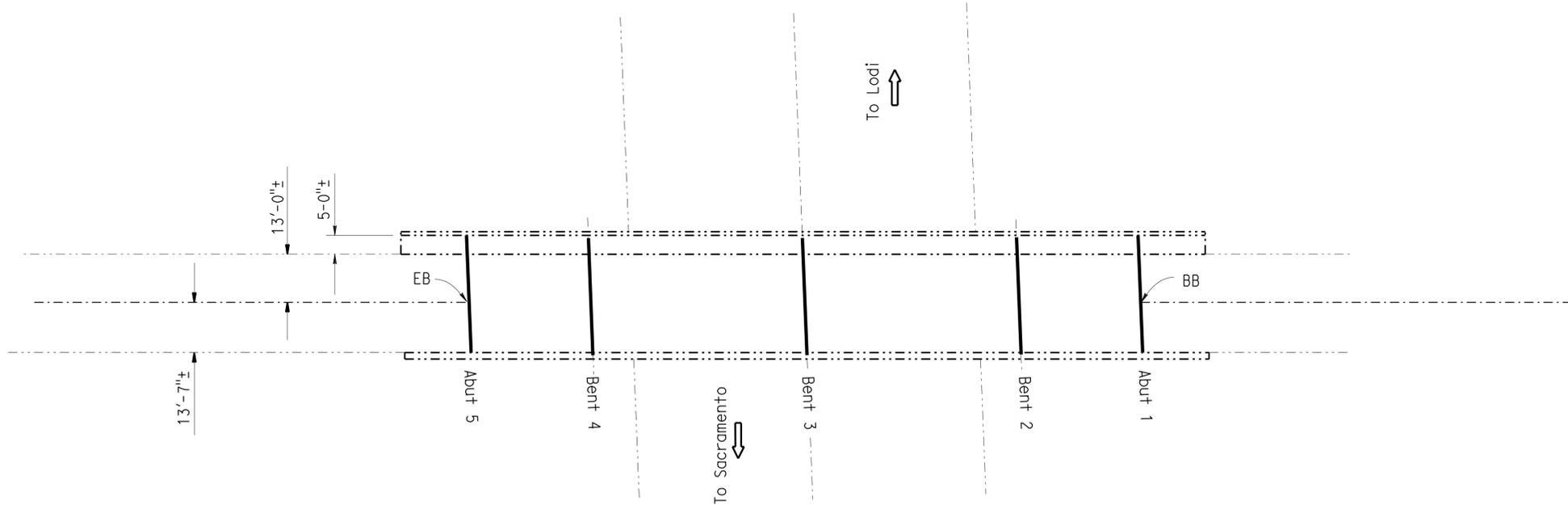
**WOODBIDGE ROAD OVERCROSSING**  
 Br No. 29-0145, ROUTE 99, PM 32.57  
 1" = 20'

QUANTITIES

WOODBIDGE ROAD OC BR NO 29-0145

REMOVE UNSOUND CONCRETE	11	CF
CLEAN BRIDGE DECK	4,410	SQFT
REMOVE CHIP SEAL	4,410	SQFT
CLEAN EXPANSION JOINT	165	LF
RAPID SETTING CONCRETE (PATCH)	11	CF
JOINT SEAL (MR 1/2")	132	LF
JOINT SEAL (MR 1")	33	LF
TREAT BRIDGE DECK	4,410	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	49	GAL
PUBLIC SAFETY PLAN		LUMP SUM

- 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 existing 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.



**ACAMPO ROAD OVERCROSSING**  
 Br No. 29-0146, ROUTE 99, PM 33.57  
 1" = 20'

QUANTITIES

ACAMPO ROAD OC BR NO 29-0146

CLEAN EXPANSION JOINT	165	LF
JOINT SEAL (MR 1/2")	132	LF
JOINT SEAL (MR 1")	33	LF

*Martin B. Furlong* 11-24-09  
 DESIGN ENGINEER

DESIGN	BY M. Furlong	CHECKED B. Nguyen	LAYOUT	BY David Kish	CHECKED B. Nguyen
DETAILS	BY David Kish	CHECKED B. Nguyen	SPECIFICATIONS	BY Mary Kopsa	CHECKED B. Nguyen
QUANTITIES	BY M. Furlong	CHECKED B. Nguyen			

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES
VARIES	

**ROUTE 99 BRIDGES**  
 GENERAL PLAN NO. 5

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 10604  
 EA 0T8301

DISREGARD PRINTS BEARING EARLIER REVISION DATES

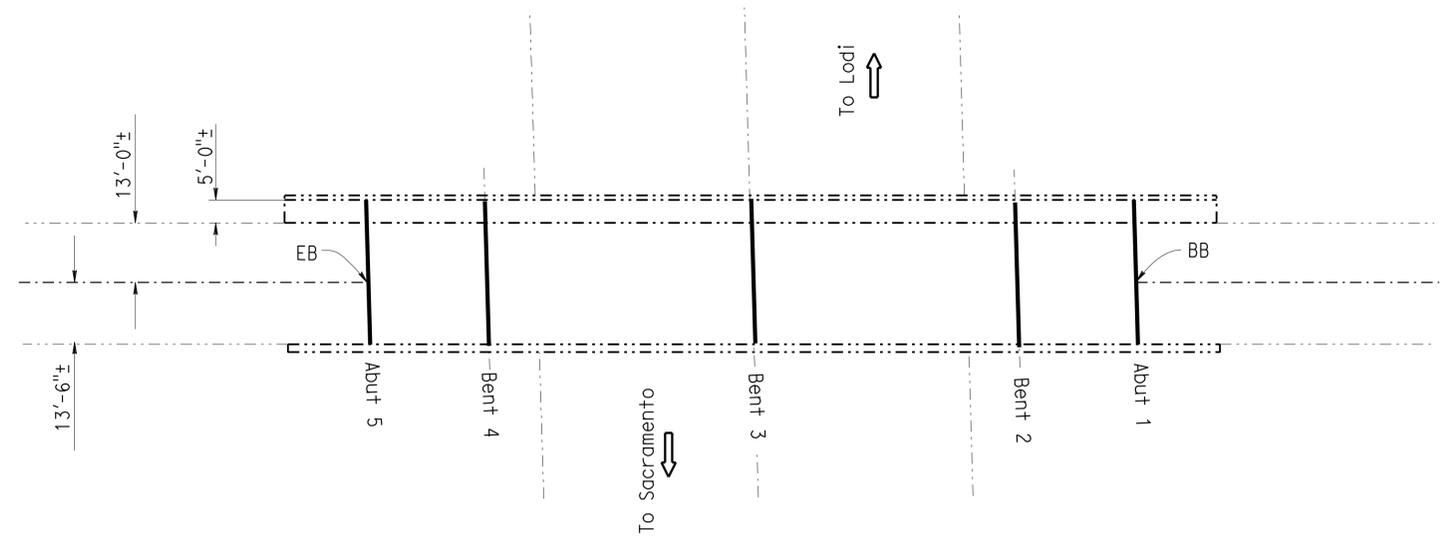
REVISION DATES	3-30-09	5-05-09	5-18-09	5-29-09					
SHEET	5								
OF	9								

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
10	SJ	99	16.9/21.8; 29.5/35.6	14	17

*Reit D. Hurlb* 11-24-09  
 REGISTERED CIVIL ENGINEER DATE

2-16-10  
 PLANS APPROVAL DATE

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



NOTES: (APPLY TO THIS SHEET ONLY)

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

**PELTIER ROAD OVERCROSSING**  
 Br No. 29-0147, ROUTE 99, PM 34.58  
 1" = 20'

QUANTITIES

PELTIER ROAD OC	BR NO 29-0147
CLEAN EXPANSION JOINT	165 LF
JOINT SEAL (MR 1/2")	132 LF
JOINT SEAL (MR 1")	33 LF



**JAHANT ROAD OVERCROSSING**  
 Br No. 29-0134, ROUTE 99, PM 35.6  
 1" = 20'

QUANTITIES

JAHANT ROAD OC	BR NO 29-0134
CLEAN EXPANSION JOINT	175 LF
JOINT SEAL (MR 1/2")	140 LF
JOINT SEAL (MR 1")	35 LF

 DESIGN ENGINEER 11-24-09	DESIGN BY M. Furlong	CHECKED B. Nguyen	LAYOUT BY David Kish	CHECKED B. Nguyen	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	<b>ROUTE 99 BRIDGES</b> GENERAL PLAN NO. 6
	DETAILS BY David Kish	CHECKED B. Nguyen	SPECIFICATIONS BY Mary Kopsa	CHECKED B. Nguyen			POST MILE VARIES	
QUANTITIES BY M. Furlong	CHECKED B. Nguyen				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 10604 EA 0T8301	DISREGARD PRINTS BEARING EARLIER REVISION DATES 3-30-09 5-05-09 5-18-09 5-29-09	SHEET 6 OF 9

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

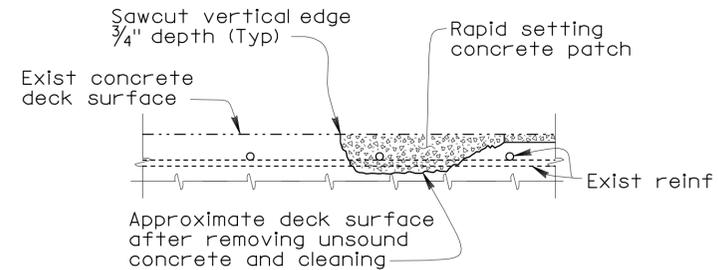
FILE => 10-018301\_06gp.dgn

USERNAME => HRTIGHT DATE PLOTTED => 17-FEB-2010 TIME PLOTTED => 10:24

JOINT SEAL TABLE							
BRIDGE NAME	BRIDGE NUMBER	LOCATION	MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)	
ROUTE 4 CONNECTOR	29-0156G	Pier 2	BW	1/2	55	YES	6
		Bent 3	EJ	1 1/2	39	YES	6
		Pier 4	BW	1/2	35	YES	6
MAIN STREET OVERCROSSING	29-0121	Abut 1	BB	1/2	68	NO	12
		Abut 3	EB	1/2	68	NO	12
CHEROKEE ROAD OVERCROSSING	29-0158	Abut 1	BW	1/2	50	YES	6
		Bent 2	EJ	2	50	YES	6
		Abut 3	BW	1/2	50	YES	6
CALAVERAS RIVER	29-0008R	* Abut 1	BW	1/2	70	NO	45
		* Bent 2	EJ	1/2	70	NO	12
		* Bent 3	EJ	1/2	70	NO	12
		* Abut 4	BW	1/2	70	NO	45
ROUTE 99/12 SEPARATION	29-0140R	Abut 1	BB	1/2	38	NO	12
		Abut 2	EB	1/2	38	NO	12
WOODBIDGE ROAD OVERCROSSING	29-0145	Abut 1	BW	1/2	33	YES	6
		Bent 2	EJ	1/2	33	YES	6
		Bent 3	EJ	1	33	YES	6
		Bent 4	EJ	1/2	33	YES	6
ACAMPO ROAD OVERCROSSING	29-0146	Abut 1	BW	1/2	33	YES	6
		Bent 2	EJ	1/2	33	YES	6
		Bent 3	EJ	1	33	YES	6
		Bent 4	EJ	1/2	33	YES	6
PELTIER ROAD OVERCROSSING	29-0147	Abut 1	BW	1/2	33	YES	6
		Bent 2	EJ	1/2	33	YES	6
		Bent 3	EJ	1	33	YES	6
		Bent 4	EJ	1/2	33	YES	6
JAHANT ROAD OVERCROSSING	29-0134	Abut 1	BW	1/2	35	YES	6
		Bent 2	EJ	1/2	35	YES	6
		Bent 3	EJ	1	35	YES	6
		Bent 4	EJ	1/2	35	YES	6
JAHANT ROAD OVERCROSSING	29-0134	Abut 5	BW	1/2	35	YES	6
		Abut 5	BW	1/2	35	YES	6

**LEGEND:**

BB - Paving Notch at beginning of bridge      \* - Asphaltic plug Joint Seal (AC overlay thickness = 2 inches)  
 EB - Paving Notch at end of bridge            EJ - Expansion Joint  
 BW - Abutment backwall joint



**DECK REPAIR DETAIL**

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

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 RSP B6-21

DECK REPAIR TABLE REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)			
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
MAIN STREET OVERCROSSING	29-0121	1	3
N99-W4 CONNECTOR OVERCROSSING	29-0309G	1	3
MYRTLE STREET OVERCROSSING	29-0308	1	3
CHEROKEE ROAD OVERCROSSING	29-0158	1	3
ROUTE 99/12 SEPARATION	29-0140L	1	3
ROUTE 99/12 SEPARATION	29-0140R	1	3
EAST PINE STREET OVERCROSSING	29-0149	1	3
WOODBIDGE ROAD OVERCROSSING	29-0145	1	3

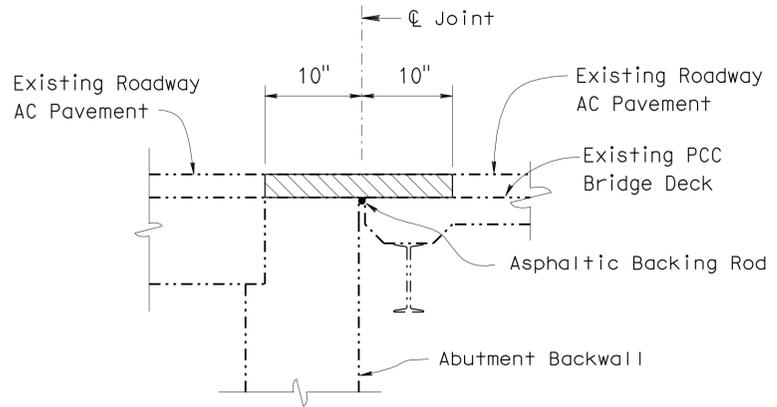
Locations to be determined by the Engineer. For details see "DECK REPAIR DETAIL".

NO SCALE

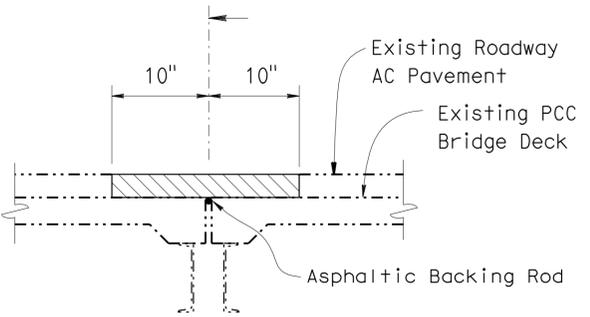
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)	DESIGN	BY M. Furlong	CHECKED B. Nguyen	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE <b>STRUCTURE MAINTENANCE DESIGN</b>	BRIDGE NO.	<b>ROUTE 99 BRIDGES</b> <b>JOINT SEAL DETAILS NO. 1</b>
	DETAILS	BY David Kish	CHECKED B. Nguyen			VARIOUS	
	QUANTITIES	BY M. Furlong	CHECKED B. Nguyen			VARIES	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	CU 10604 EA 0T8301	DISREGARD PRINTS BEARING EARLIER REVISION DATES → 4-06-09 5-05-09 5-18-09	
							SHEET 7 OF 9

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
10	SJ	99	16.9/21.8, 29.5/35.6	16	17

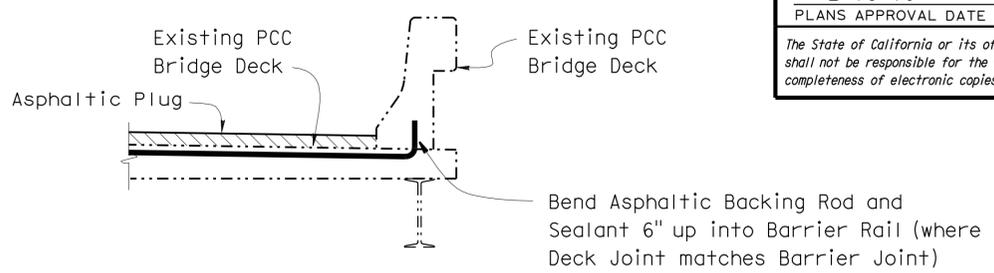
*Mart B. Furlong* 11-24-09  
 REGISTERED CIVIL ENGINEER DATE  
 2-16-10  
 PLANS APPROVAL DATE  
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



**ASPHALTIC PLUG AT ABUTMENT**

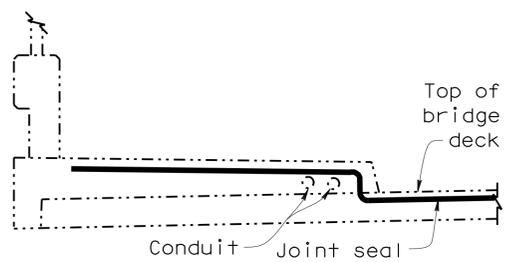


**ASPHALTIC PLUG AT BENT**

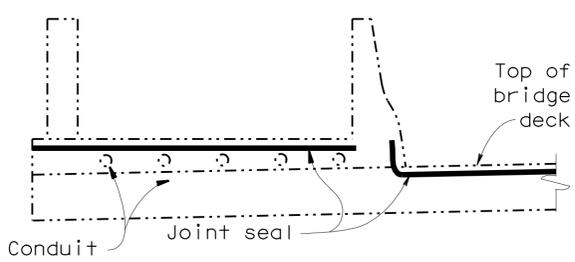


**ASPHALTIC PLUG AT LOW-SIDE BARRIER RAIL**

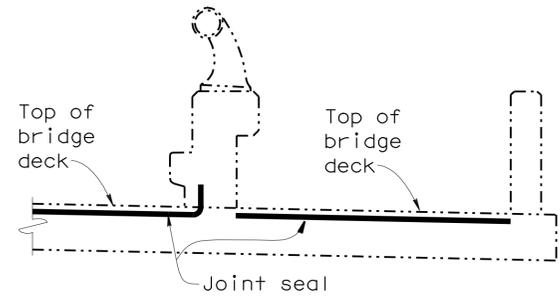
**NOTES:** (APPLY TO THIS SHEET ONLY)  
 Indicates limits of remove existing depth AC pavement and place new asphaltic plug joint seal.



**WOODBRIDGE ROAD OVERCROSSING**  
**ACAMPO ROAD OVERCROSSING**  
**PELTIER ROAD OVERCROSSING**  
**JAHANT ROAD OVERCROSSING**



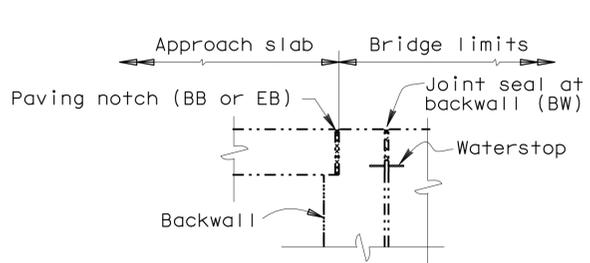
**MAIN STREET OVERCROSSING**



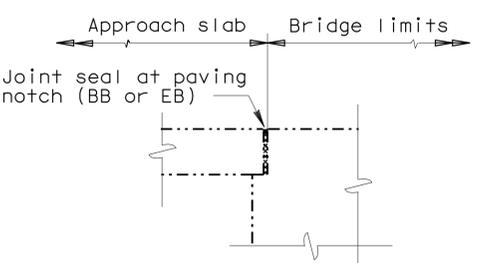
**CHEROKEE ROAD OVERCROSSING**

**JOINT SEAL AT LOW SIDE OF DECK**

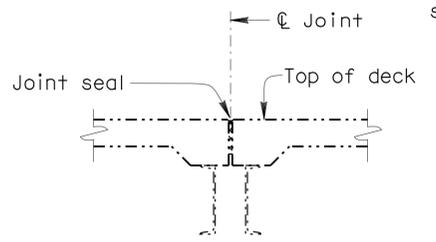
Notes: Details shown for illustration purposes only.  
 For use only where deck joint matches the sidewalk, curb or barrier rail joint.



**ABUTMENT WITH BACKWALL**



**DIAPHRAGM ABUTMENT**



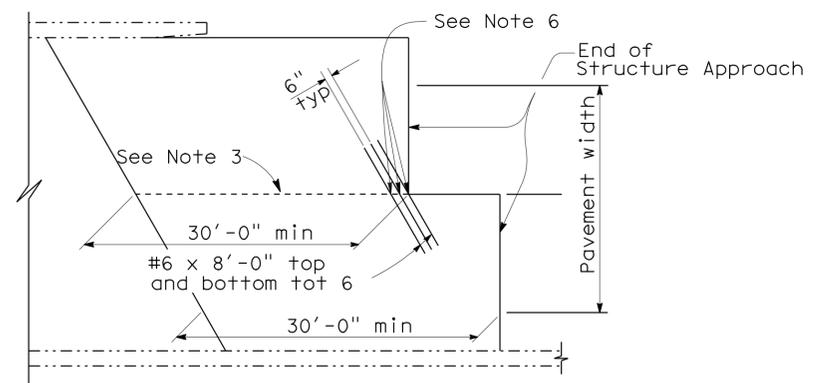
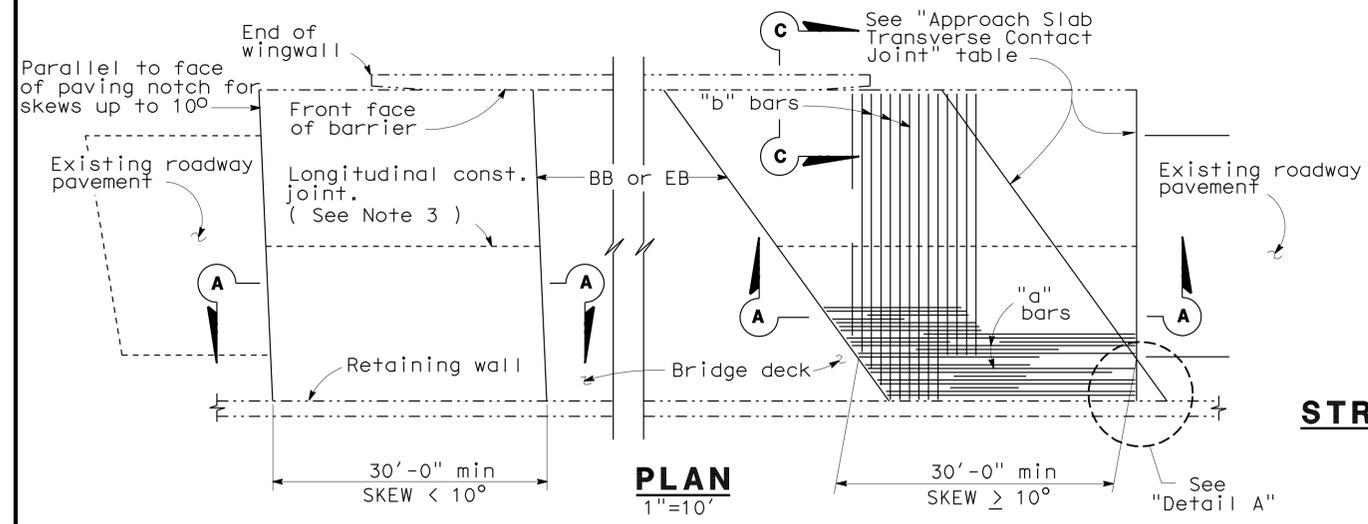
**EXPANSION JOINT**

**JOINT SEAL LOCATION**

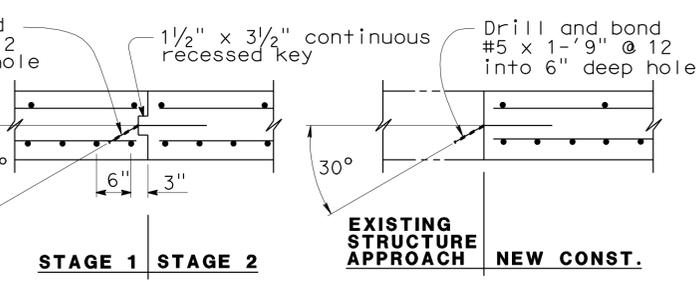
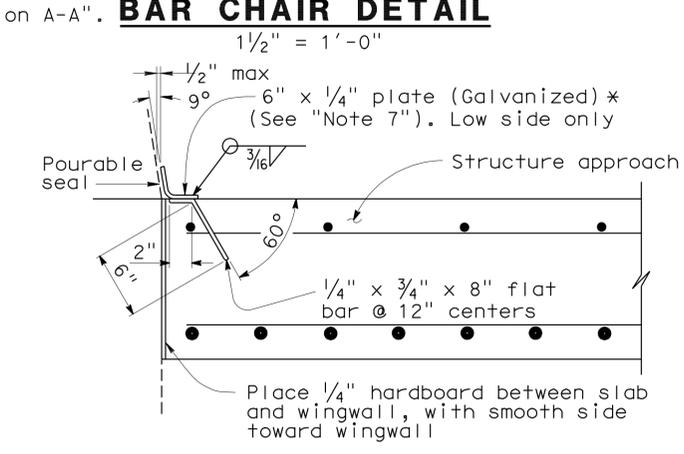
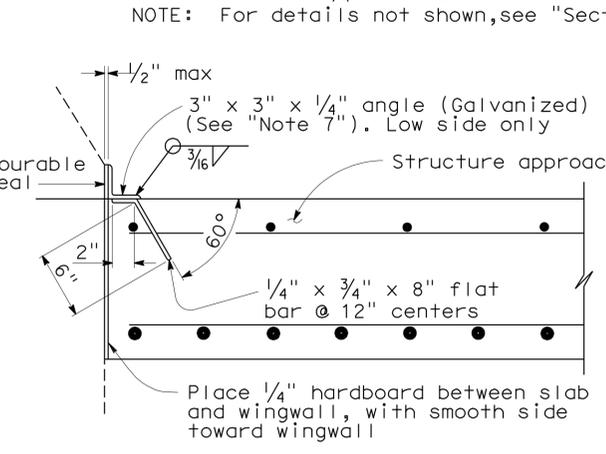
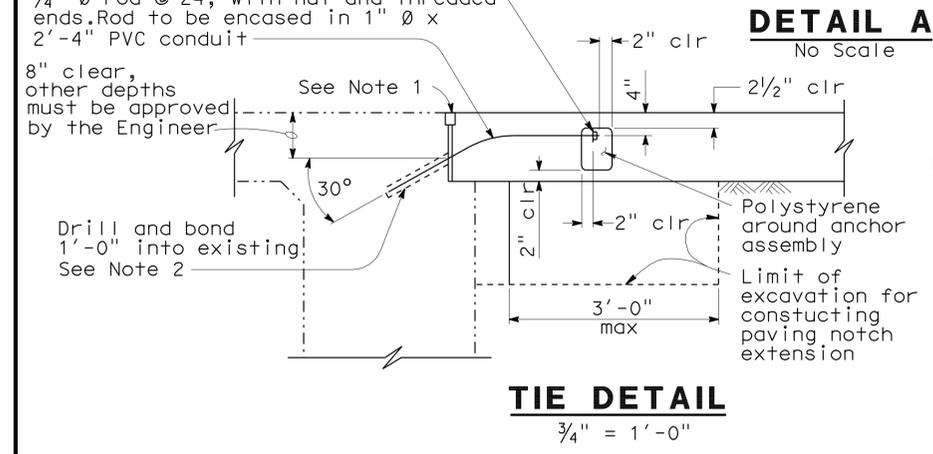
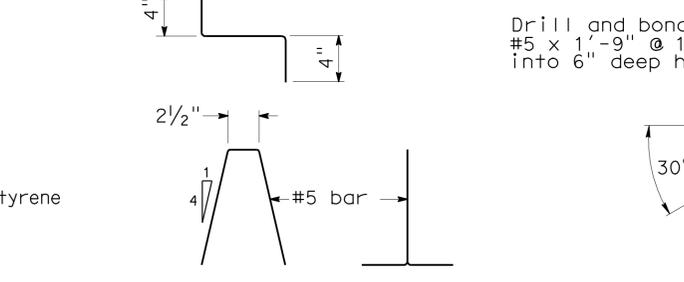
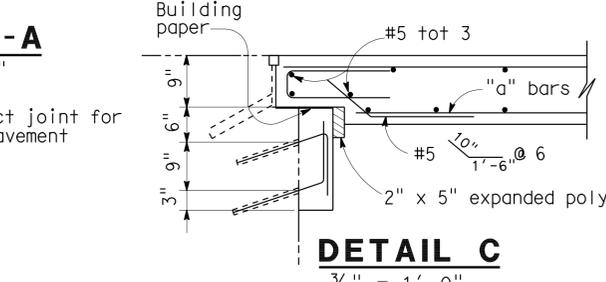
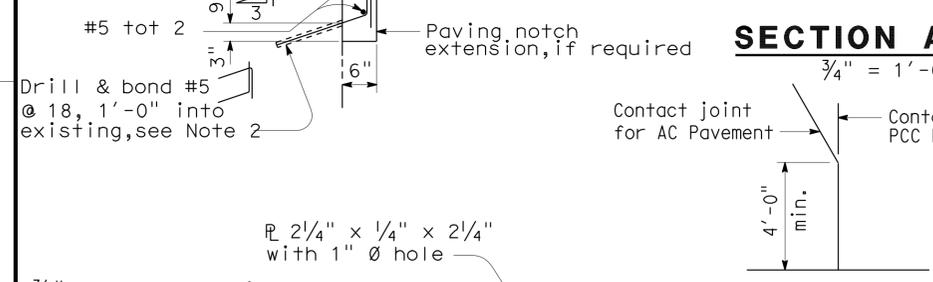
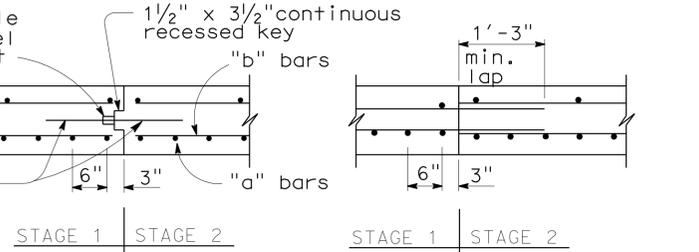
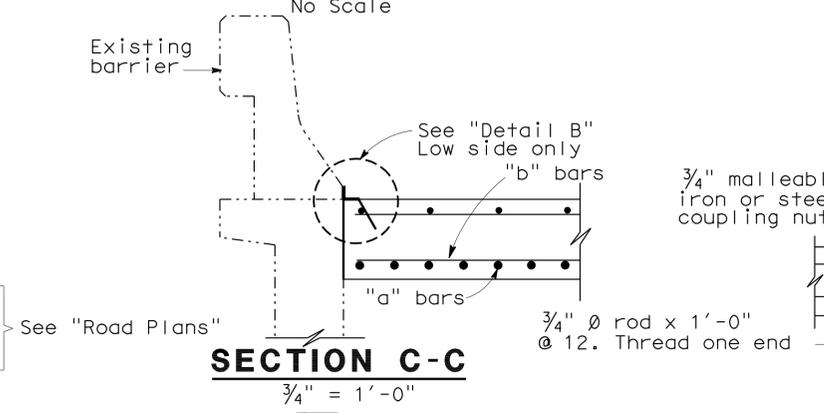
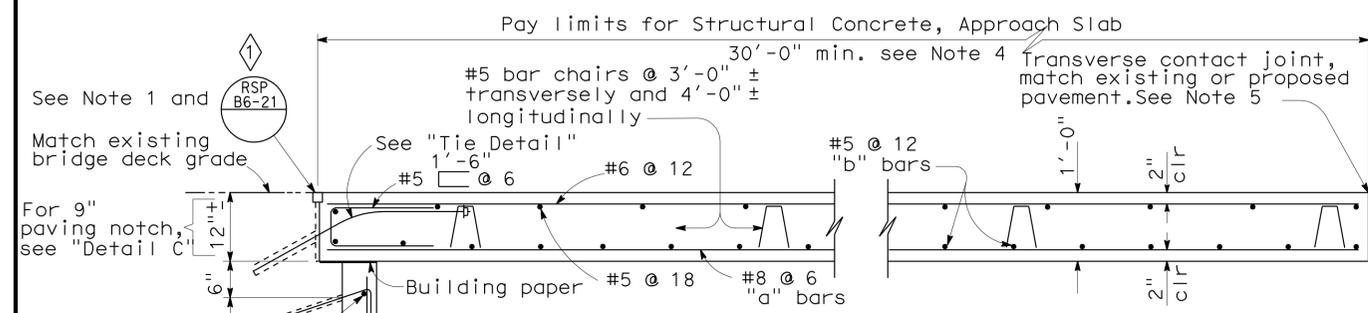
NO SCALE

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)	DESIGN	BY M. Furlong	CHECKED B. Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 99 BRIDGES	
	DETAILS	BY David Kish	CHECKED B. Nguyen			POST MILE	VARIES		JOINT SEAL DETAILS NO. 2
	QUANTITIES	BY M. Furlong	CHECKED B. Nguyen			VARIES			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	CU 10604 EA OT8301	REVISION DATES		SHEET 8 OF 9	

FILE => 10-048301\_08jtsdet.dgn  
 USERNAME => HRTIGHT DATE PLOTTED => 17FEB-2010 TIME PLOTTED => 10:24



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



- NOTES:**
- For details not shown or noted, see GENERAL PLAN NO. 1. 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.

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

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

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

**SPECIAL DETAILS**

STANDARD DRAWING			
RELEASE DATE	DESIGN	BY	CHECKED
REVISED	M. TRAFFALIS	M. TRAFFALIS	E. THORKILDSEN
FILE NO.	DETAILS	BY	CHECKED
xs3-140e	R. YEE	R. YEE	E. THORKILDSEN
	SUBMITTED	BY	DRAWING DATE
	M. HA	M. HA	8/92

REVISION NO.	REVISION DATE	REVISION DESCRIPTION

STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES
DEPARTMENT OF TRANSPORTATION	

BRIDGE NO.	ROUTE 99 BRIDGES
VARIOUS	
MILE POST	
VARIES	