

INDEX OF SHEETS

SHEET No.	DESCRIPTION
1	TITLE SHEET
2	CONSTRUCTION DETAILS
3	CONSTRUCTION AREA SIGNS
4	DETOUR PLAN
5	SUMMARY OF QUANTITIES
6-9	REVISED STANDARD PLANS
10-14	STRUCTURE PLANS

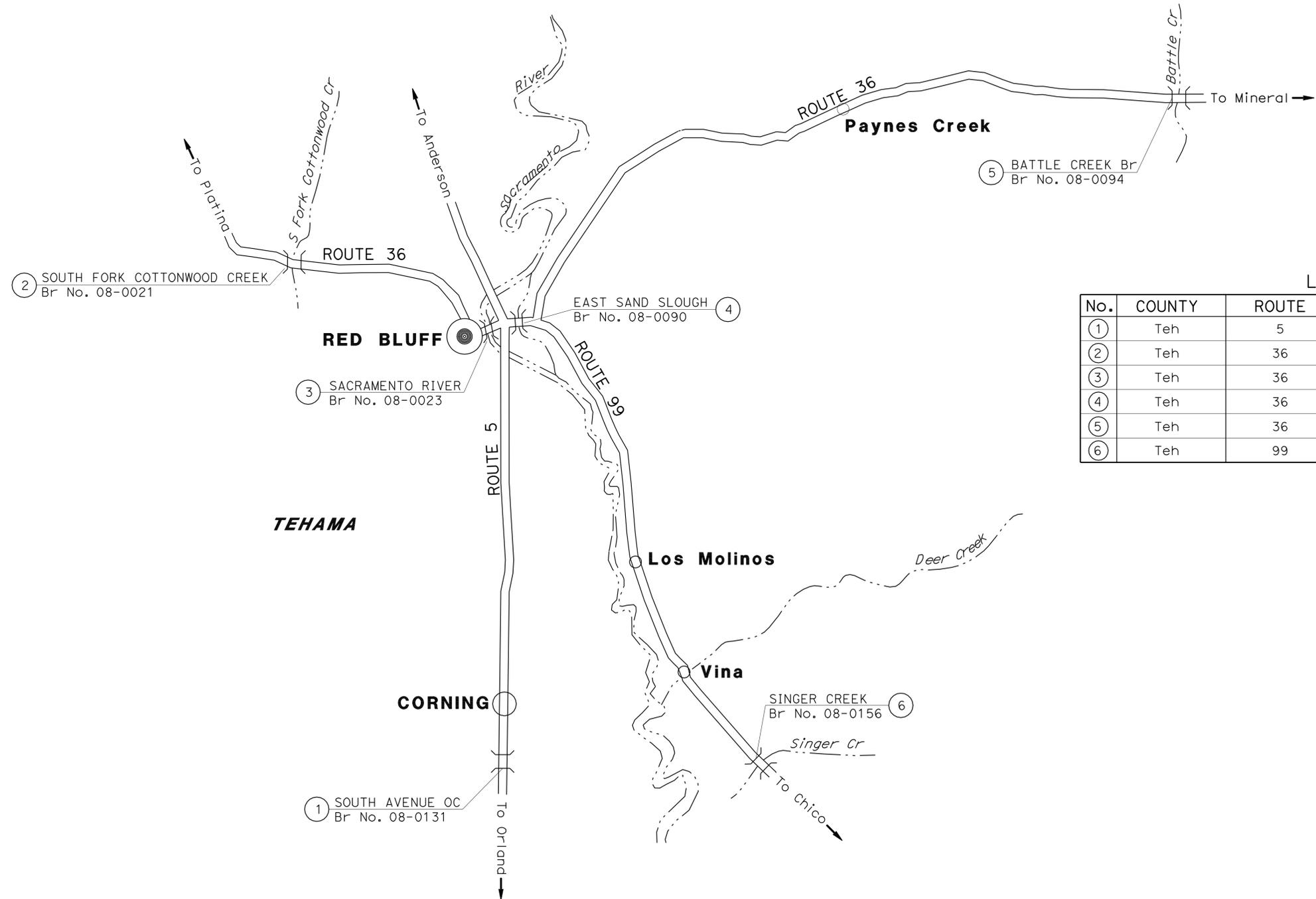
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN TEHAMA COUNTY AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5,36,99	Var	1	14

LOCATION MAP



LOCATIONS OF CONSTRUCTION

No.	COUNTY	ROUTE	POST MILE	DESCRIPTION	BRIDGE No.
①	Teh	5	R7.5	SOUTH AVENUE OC	08-0131
②	Teh	36	R25.5	SOUTH FORK COTTONWOOD CREEK	08-0021
③	Teh	36	41.4	SACRAMENTO RIVER	08-0023
④	Teh	36	41.9	EAST SAND SLOUGH	08-0090
⑤	Teh	36	81.5	BATTLE CREEK	08-0094
⑥	Teh	99	0.2	SINGER CREEK	08-0156

PROJECT MANAGER
LANCE BROWN
 DESIGN ENGINEER
LANCE BROWN

PROJECT ENGINEER DATE 01-14-11
 REGISTERED CIVIL ENGINEER
January 14, 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.

REGISTERED PROFESSIONAL ENGINEER
ROY S. CAHILL
 No. C48876
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

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

NO SCALE



USERNAME => s123119
 DGN FILE => 22E300ab001.dgn

DATE PLOTTED => 28-JAN-2011
 TIME PLOTTED => 11:05
 LAST REVISION
 01-14-11

NOTES:

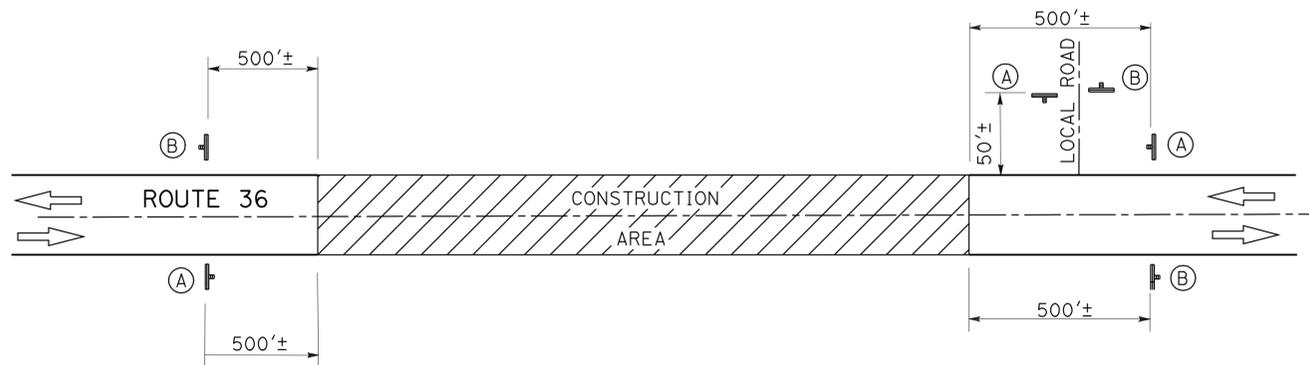
1. EXACT LOCATION OF ALL SIGNS TO BE DETERMINED BY THE ENGINEER.
2. CALIFORNIA CODES ARE DESIGNATED BY (CA), OTHERWISE FEDERAL CODES ARE SHOWN.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS
4. NO CONSTRUCTION AREA SIGNS REQUIRED AT LOCATIONS 1, 2 AND 6.

LEGEND

- ⊥ ONE POST STATIONARY MOUNTED SIGN
- ← DIRECTION OF TRAFFIC
- DIRECTION OF FLOW

**CONSTRUCTION AREA SIGNS
(STATIONARY MOUNTED)**

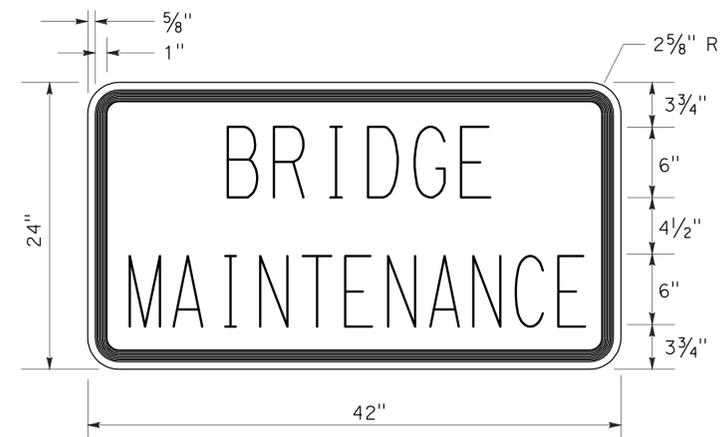
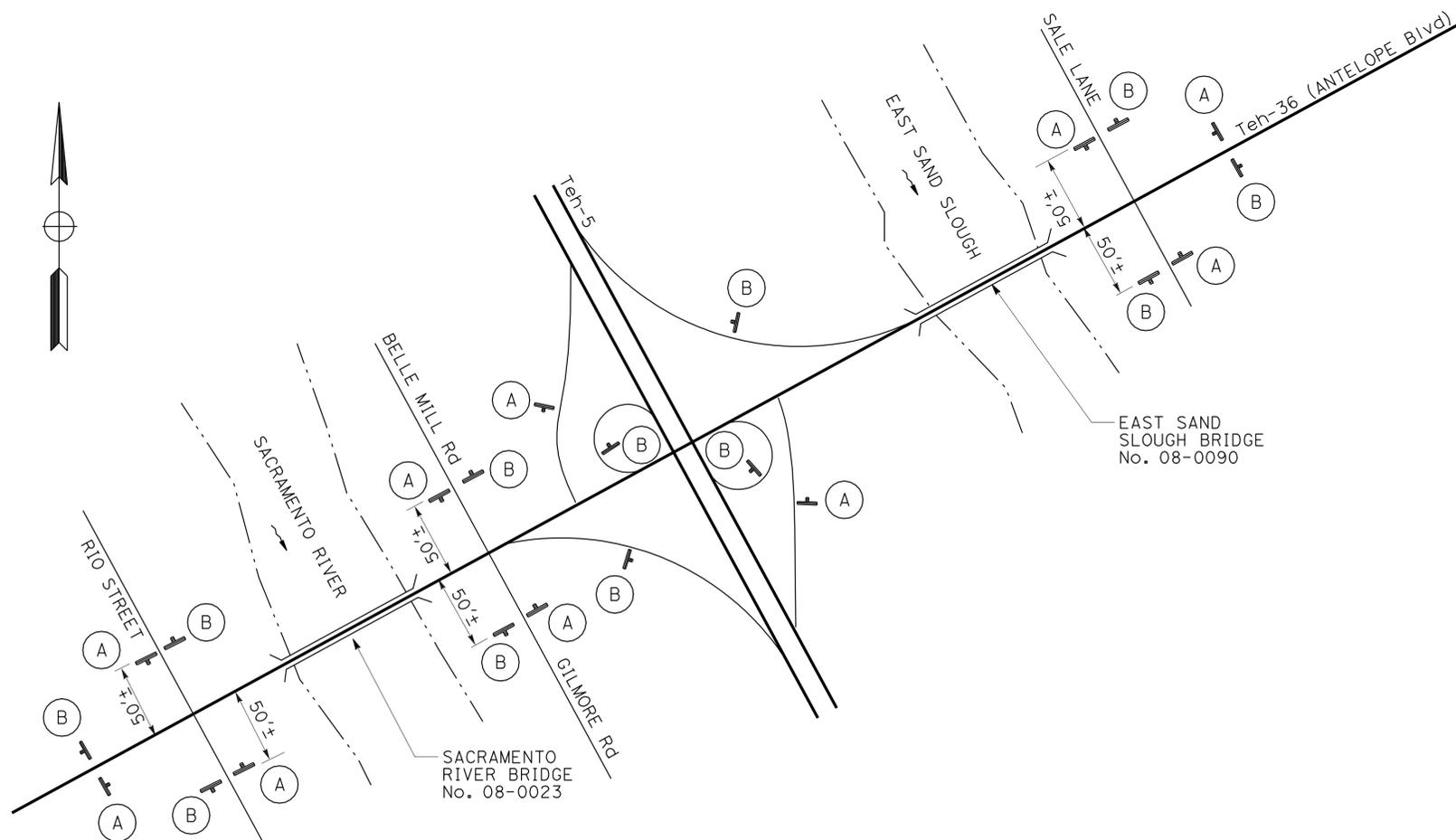
SIGN No.	TYPE	PANEL SIZE INCHES	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
(A)	W20-1 C23B(CA)	48" x 48" 42" x 24"	ROAD WORK AHEAD BRIDGE MAINTENANCE	1 - 4" x 6"	15
(B)	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	17



**CONSTRUCTION AREA SIGNS
(BATTLE CREEK Br No. 08-0094)**

LOCAL ROAD CONNECTIONS

CO-RTE-PM	CONNECTION NAME
Teh-36-81.41	BATTLE CREEK CAMPGROUND
Teh-36-81.52	VIOLA-MINERAL ROAD
Teh-36-81.68	DIRT ROAD



C23B(CA) SIGN PANEL DETAIL

CONSTRUCTION AREA SIGNS

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

x

x

x

x

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5,36,99	Var	4	14
<i>Roy & Cahill</i> 01-14-11 REGISTERED CIVIL ENGINEER DATE			ROY S. CAHILL No. C48876 Exp. 9-30-12 CIVIL		
01-14-11 PLANS APPROVAL DATE					
<small>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.</small>					

NOTES:

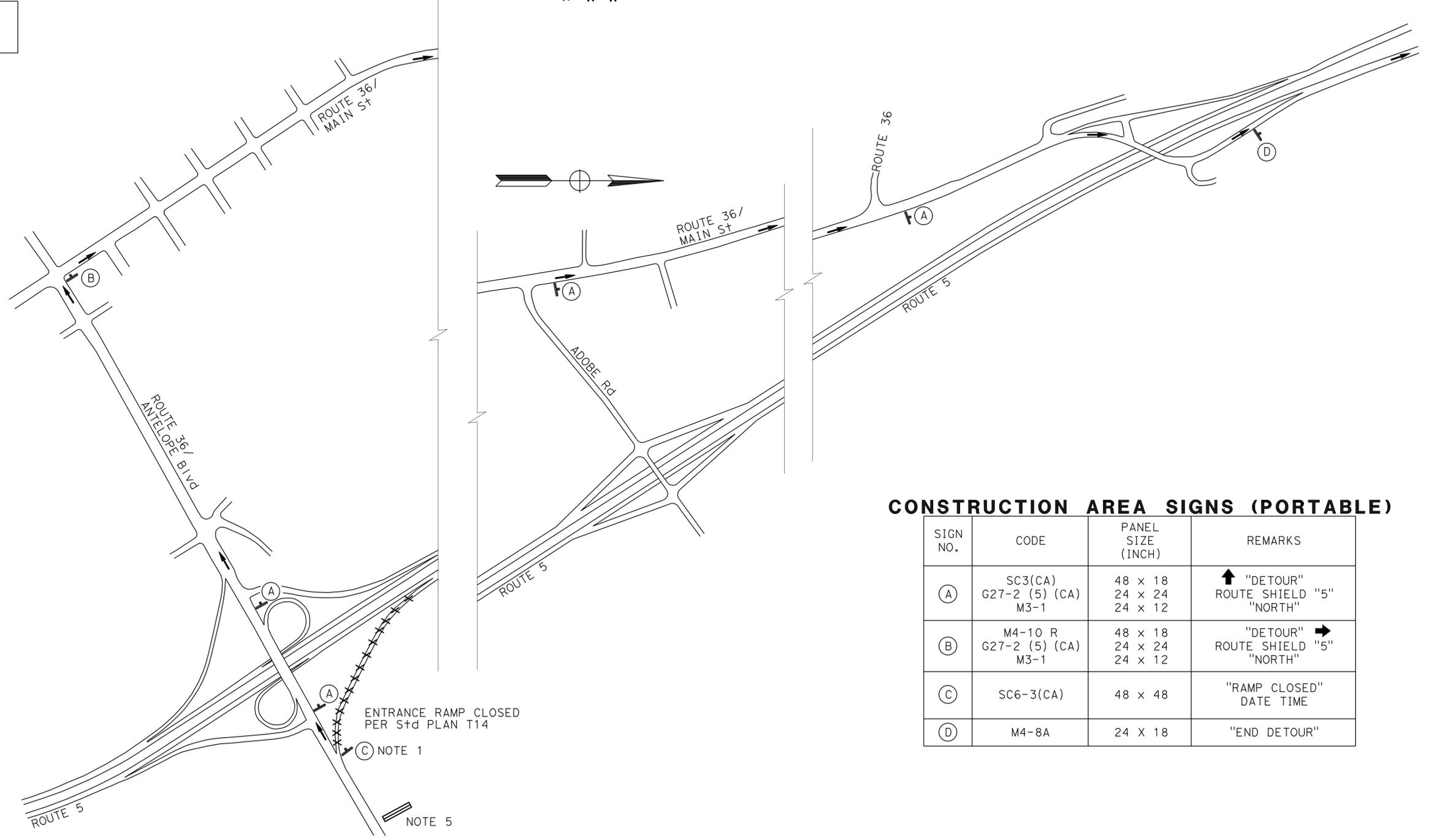
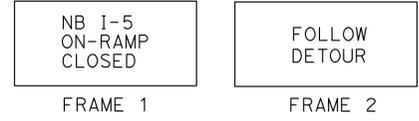
1. PLACE 7 DAYS PRIOR TO RAMP CLOSURE.
2. CALIFORNIA SIGN CODES ARE DESIGNATED BY (CA), OTHERWISE, FEDERAL MUTCD SIGN CODES ARE SHOWN.
3. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
5. RAMP CLOSED PCMS: PLACE BEFORE CLOSED ENTRANCE RAMP AND ACTIVATE DURING RAMP CLOSURE.

ABBREVIATIONS

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

LEGEND

- ▬ PORTABLE CHANGABLE MESSAGE SIGN
- ⊥ CONSTRUCTION AREA SIGN (PORTABLE)
- ← DIRECTION OF TRAFFIC
- X X X RAMP CLOSED



CONSTRUCTION AREA SIGNS (PORTABLE)

SIGN NO.	CODE	PANEL SIZE (INCH)	REMARKS
(A)	SC3(CA) G27-2 (5) (CA) M3-1	48 x 18 24 x 24 24 x 12	↑ "DETOUR" ROUTE SHIELD "5" "NORTH"
(B)	M4-10 R G27-2 (5) (CA) M3-1	48 x 18 24 x 24 24 x 12	"DETOUR" → ROUTE SHIELD "5" "NORTH"
(C)	SC6-3(CA)	48 x 48	"RAMP CLOSED" DATE TIME
(D)	M4-8A	24 x 18	"END DETOUR"

DETOUR FOR CLOSURE OF NB RTE 5 ENTRANCE RAMP FROM WB RTE 36

DETOUR PLAN
NO SCALE **DE-1**

THIS PLAN ACCURATE FOR DETOUR WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE ENGINEERING
 LANCE BROWN
 ROY CAHILL
 MIKE CONNER
 REVISIONS: REVISED BY DATE REVISIONS: ROY CAHILL MIKE CONNER
 CALCULATED/DESIGNED BY CHECKED BY
 FUNCTIONAL SUPERVISOR
 LANCE BROWN
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE ENGINEERING
 LANCE BROWN
 ROY CAHILL
 MIKE CONNER
 REVISIONS: REVISED BY DATE REVISIONS: ROY CAHILL MIKE CONNER
 CALCULATED/DESIGNED BY CHECKED BY
 FUNCTIONAL SUPERVISOR
 LANCE BROWN
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE ENGINEERING
 LANCE BROWN
 ROY CAHILL
 MIKE CONNER
 REVISIONS: REVISED BY DATE REVISIONS: ROY CAHILL MIKE CONNER
 CALCULATED/DESIGNED BY CHECKED BY
 FUNCTIONAL SUPERVISOR
 LANCE BROWN

LAST REVISION | DATE PLOTTED => 28-JAN-2011
 01-14-10 TIME PLOTTED => 11:05

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Teh	5,36,99	Var	5	14

Roy & Cahill 01-14-11
 REGISTERED CIVIL ENGINEER DATE
 01-14-11
 PLANS APPROVAL DATE

ROY S. CAHILL
 No. C48876
 Exp. 9-30-12
 CIVIL

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

NOTES:

1. TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES INCLUDE EACH BRIDGE AND APPROXIMATELY 48' EACH SIDE OF EACH BRIDGE.
2. REPLACE EXISITING TRAFFIC STRIPE TO MATCH EXISTING TRAFFIC STRIPE PATTERN.
3. REPLACE EXISTING PAVEMENT MARKING TO MATCH EXISTING PAVEMENT MARKING PATTERN
4. REMOVE THERMOPLASTIC TRAFFIC STRIPE AND REMOVE THERMOPLASTIC PAVEMENT MARKING APPLY ONLY TO EXISTING STRIPING AND MARKING LOCATED ON THE BRIDGE DECKS.
5. PLACE TEMPORARY MULCH ON SOIL DISTURBED BY CONSTRUCTION ACTIVITIES AS DIRECTED BY THE ENGINEER.

EXISTING LOOP DETECTORS AND AXLE SENSORS TO BE PROTECTED

PROJECT LOCATION	DETECTOR LOCATION DESCRIPTION	EQUIPMENT
3	38 FEET FROM WEST END OF SACRAMENTO RIVER BRIDGE	2 LOOPS WB AND 2 LOOPS EB
6	600 FEET SOUTH OF SINGER CREEK BRIDGE	1 LOOP AND AXLE SENSOR NB AND 1 LOOP AND AXLE SENSOR SB

ROADWAY QUANTITIES

Loc	Co	Rte	PM	BRIDGE No.	BRIDGE NAME	BRIDGE APPROACH AND DEPARTURE PAVEMENT		REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE THERMOPLASTIC PAVEMENT MARKING	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)					THERMOPLASTIC PAVEMENT MARKING	PAVEMENT MARKER (RETROREFLECTIVE)				
						COLD PLANE AC PAVEMENT	HMA (TYPE A)			LF	SQFT	DETAIL 9	DETAIL 21	DETAIL 22		DETAIL 27B	DETAIL 29	SQFT	TYPE D	TYPE G
1	Teh	5	R7.49	08-0131	SOUTH AVENUE OC			768				288	576			26				
3	Teh	36	41.40	08-0023	SACRAMENTO RIVER	505	71	5398		1832			1832	916		78	40			
4	Teh	36	41.95	08-0090	EAST SAND SLOUGH	150	21	5704	330	1825			2155	912	330	78	40			
5	Teh	36	81.48	08-0094	BATTLE CREEK	225	32	844			307		614							
SUBTOTAL										3657	307	288	5177	1828		182	80			
TOTAL						880	124	12,714	330	11,257					330	262				

SUMMARY OF QUANTITIES
Q-1

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 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE ENGINEERING
 LANCE BROWN
 ROY CAHILL
 MIKE CONNER
 REVISOR BY DATE
 REVISOR BY DATE

LAST REVISION DATE PLOTTED => 28-JAN-2011
 01-14-10 TIME PLOTTED => 11:05

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5,36,99	Var	6	14

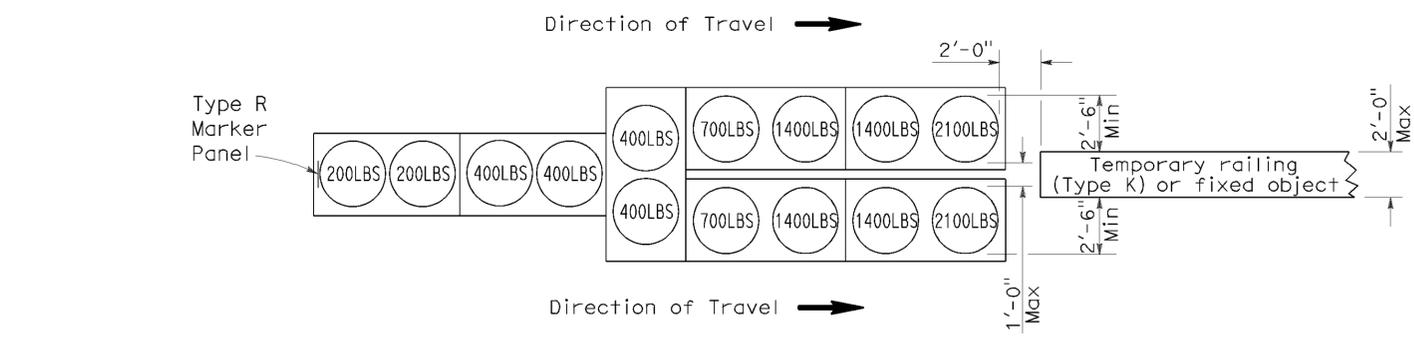
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

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.

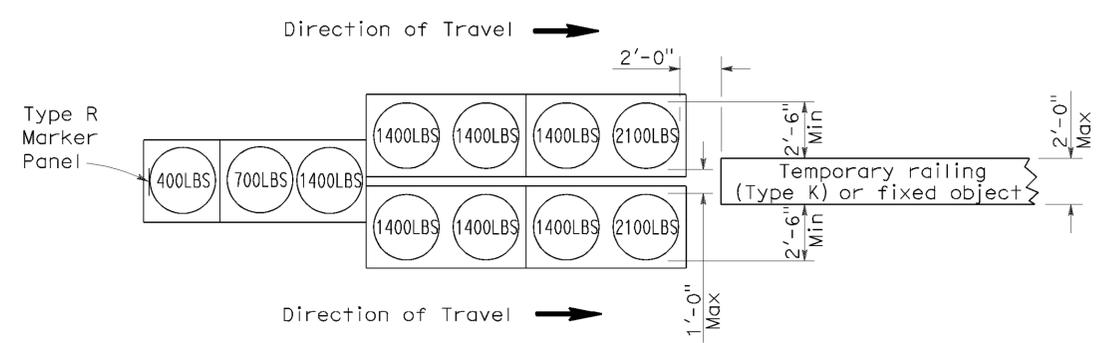
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 01-14-11



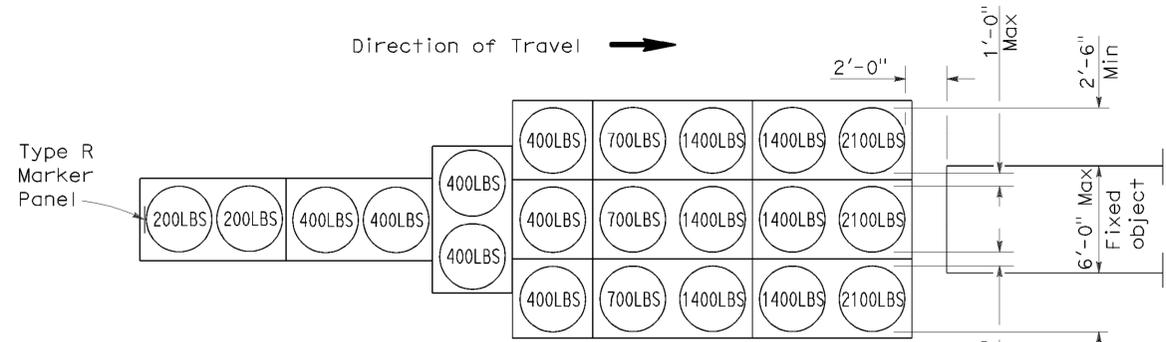
ARRAY 'TU14'

Approach speed 45 mph or more



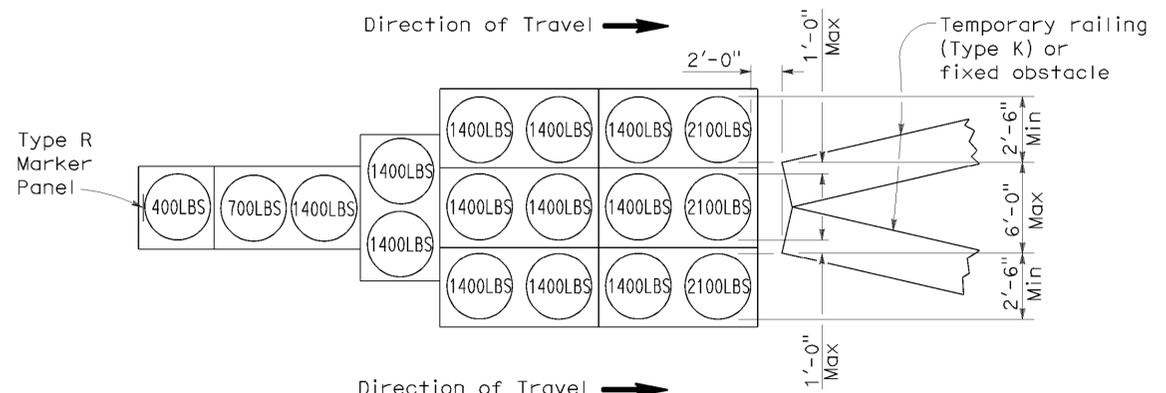
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more

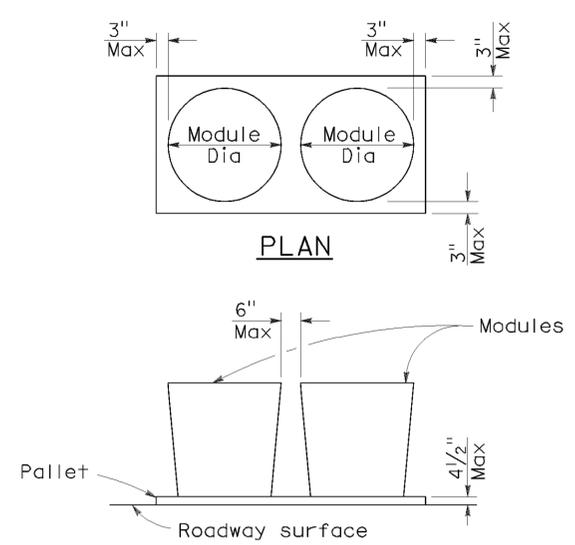


ARRAY 'TU17'

Approach speed less than 45 mph

NOTES:

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



CRASH CUSHION PALLET DETAIL

See Note 7

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1A

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2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5,36,99	Var	7	14

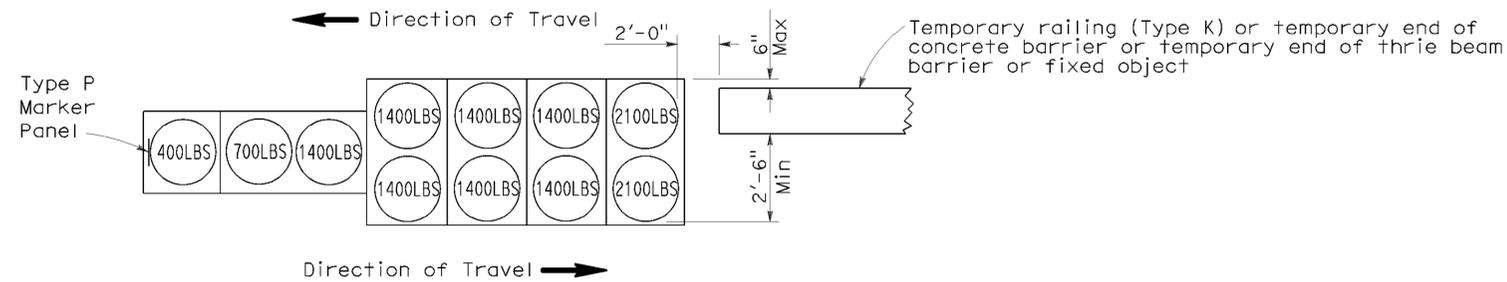
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

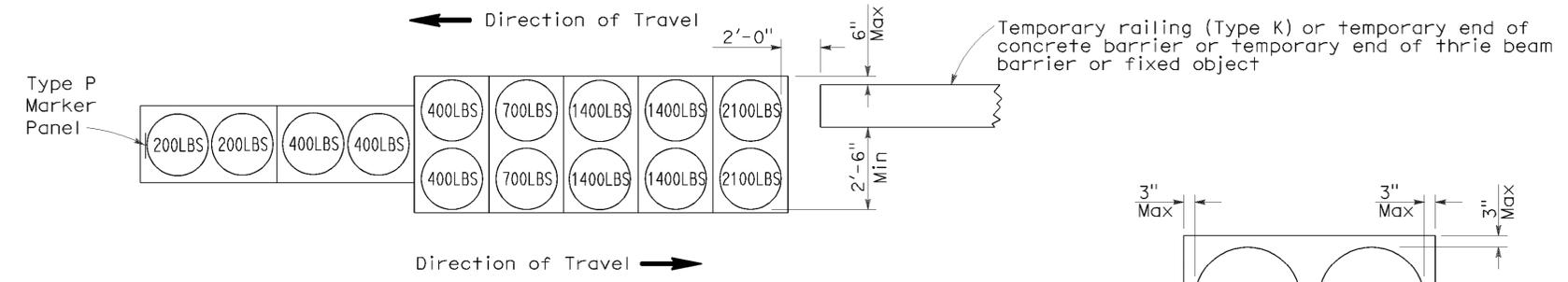
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To accompany plans dated 01-14-11



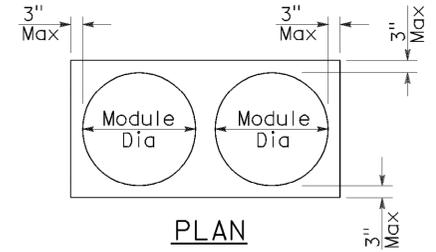
ARRAY 'TB11'

Approach speed less than 45 mph

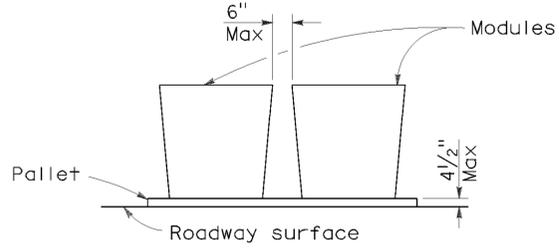


ARRAY 'TB14'

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

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2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5,36,99	Var	8	14

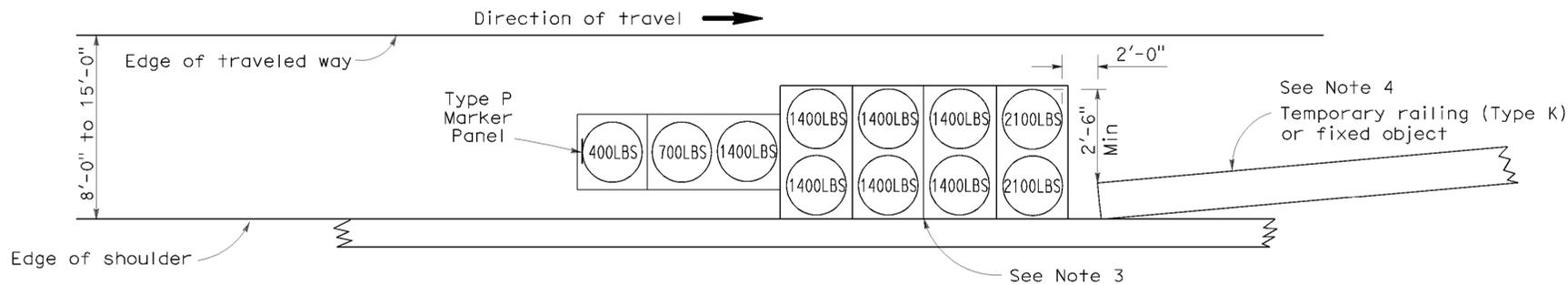
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

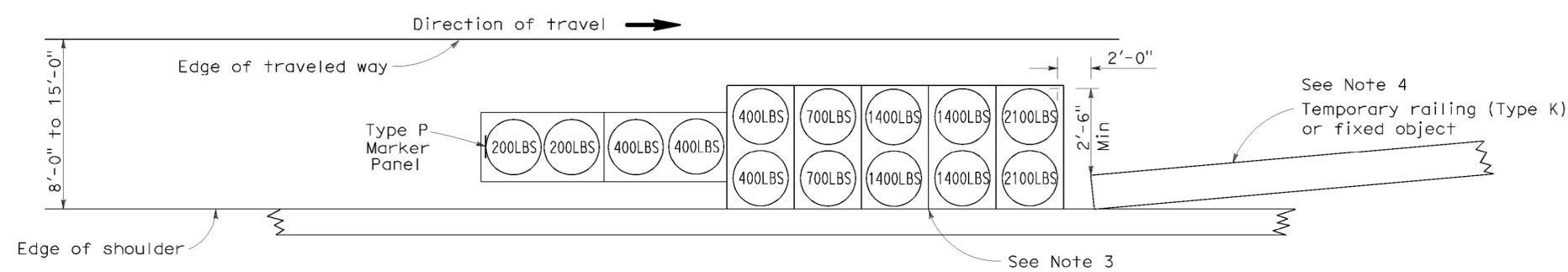
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REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

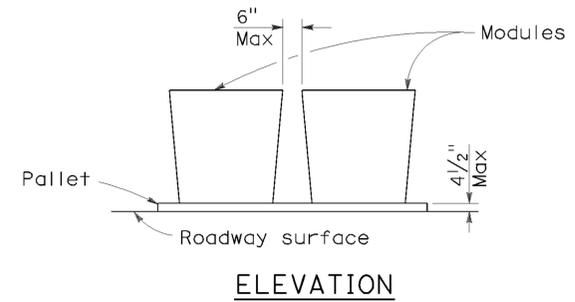
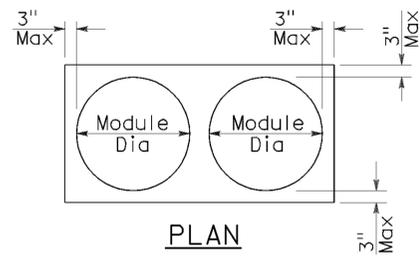
To accompany plans dated 01-14-11



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)**

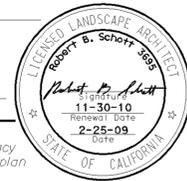
NO SCALE
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

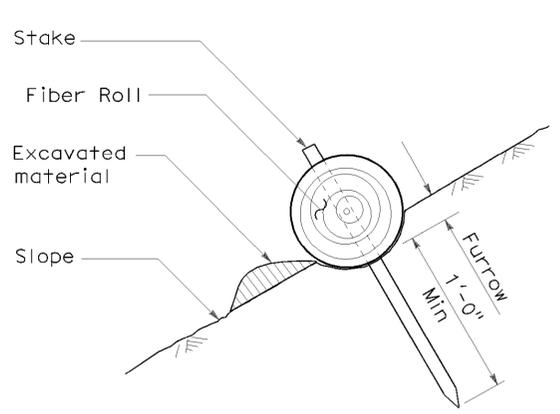
2006 REVISED STANDARD PLAN RSP T2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Teh	5,36,99	Var	9	14

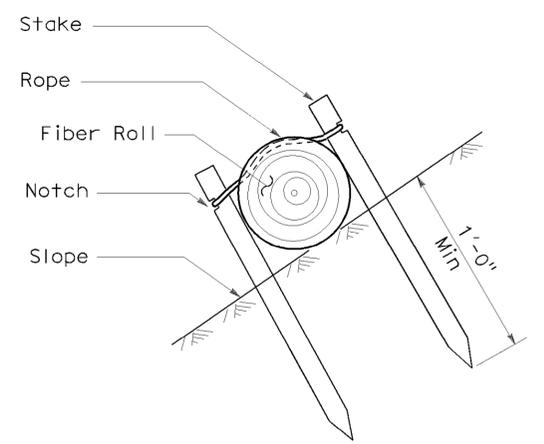
Robert B Schett
 LICENSED LANDSCAPE ARCHITECT
 April 3, 2009
 PLANS APPROVAL DATE
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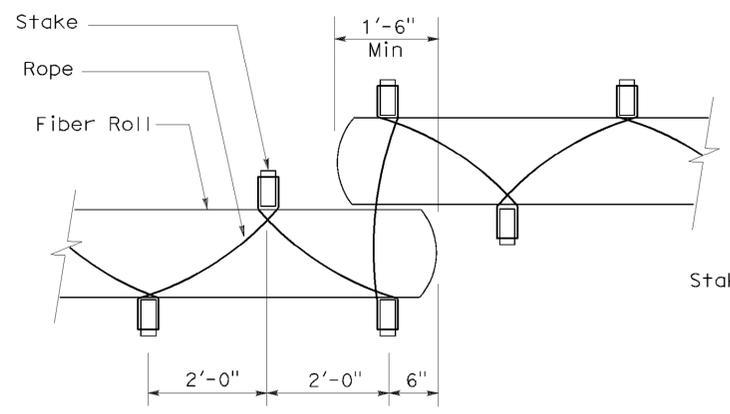
To accompany plans dated 01-14-11



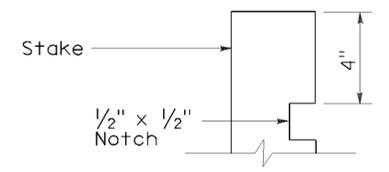
SECTION
TEMPORARY FIBER ROLL (TYPE 1)



SECTION
TEMPORARY FIBER ROLL (TYPE 2)

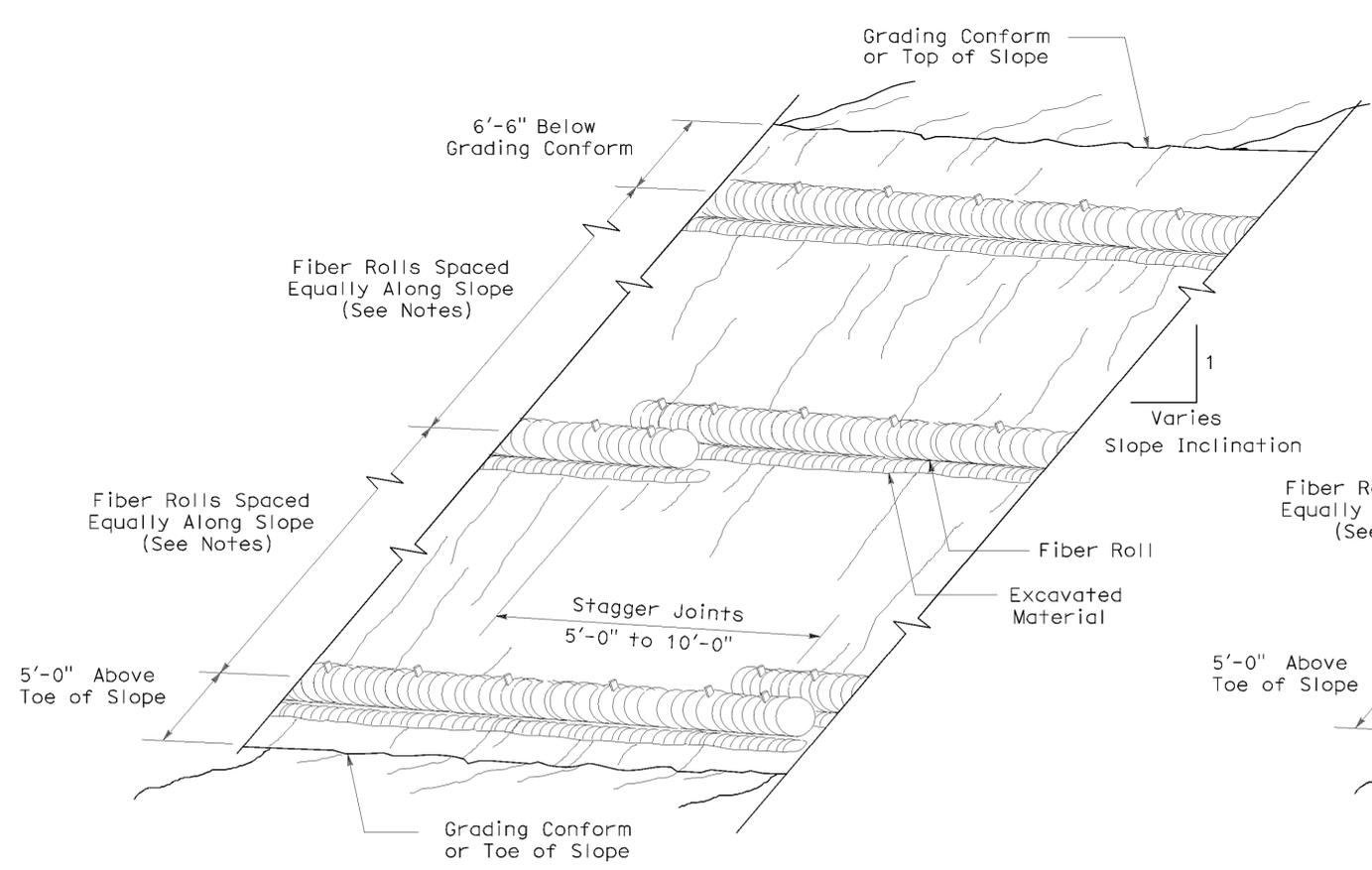


PLAN

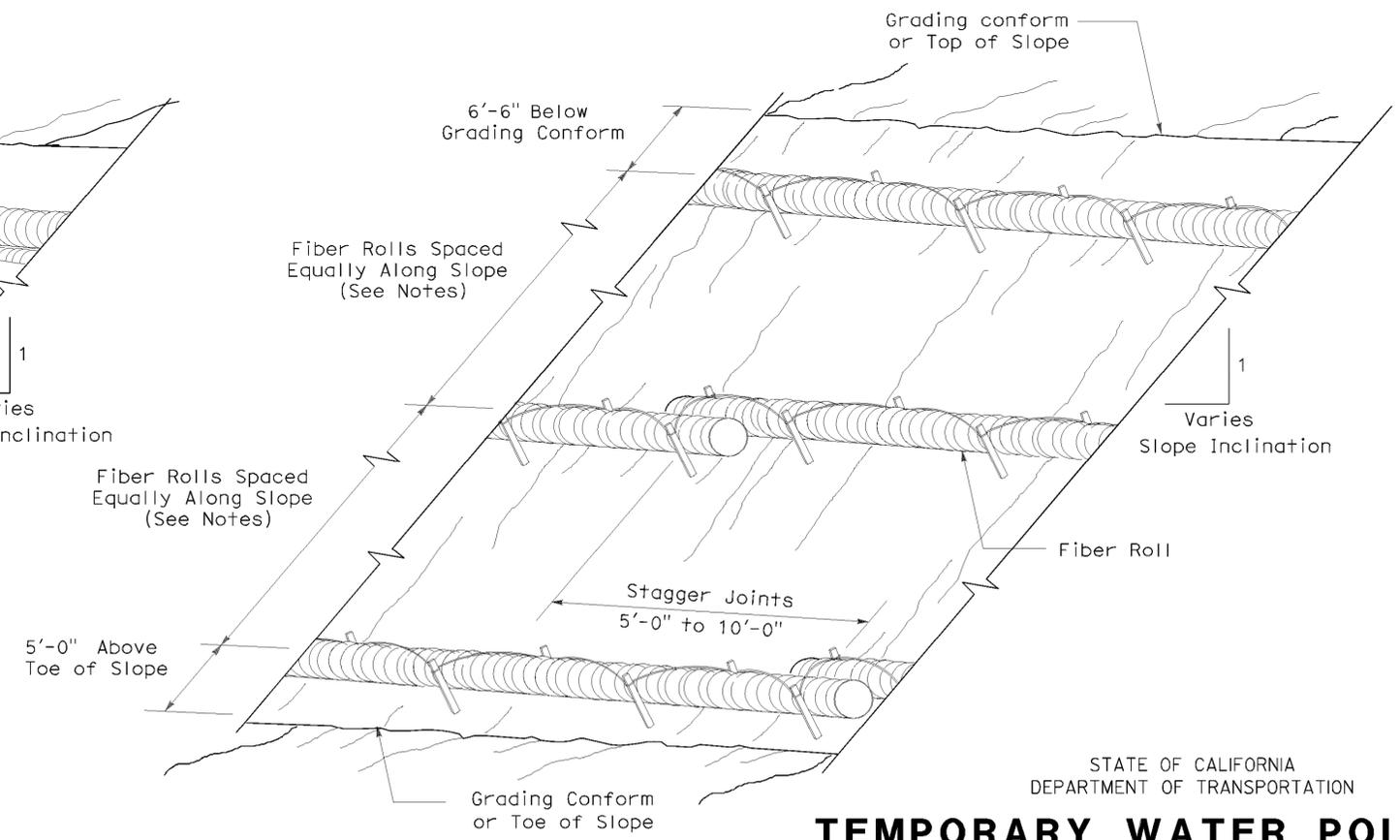


ELEVATION
STAKE NOTCH DETAIL

- NOTES:**
1. Temporary fiber roll spacing varies depending upon slope inclination.
 2. Installations shown in the perspectives are for slope inclination of 10:1 and steeper.



PERSPECTIVE
TEMPORARY FIBER ROLL (TYPE 1)



PERSPECTIVE
TEMPORARY FIBER ROLL (TYPE 2)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY FIBER ROLL)
NO SCALE

RSP T56 DATED APRIL 3, 2009 SUPERSEDES STANDARD PLAN T56 DATED MAY 1, 2006 - PAGE 232 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T56

2006 REVISED STANDARD PLAN RSP T56

232

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
02	Teh	5, 36 & 99	Varies	10	14

REGISTERED CIVIL ENGINEER
 12-30-10
 DATE
 1-14-11
 PLANS APPROVAL DATE

QUANG M. VO
 No. C 055211
 Exp. 6-30-12
 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 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 MOVEMENT 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.



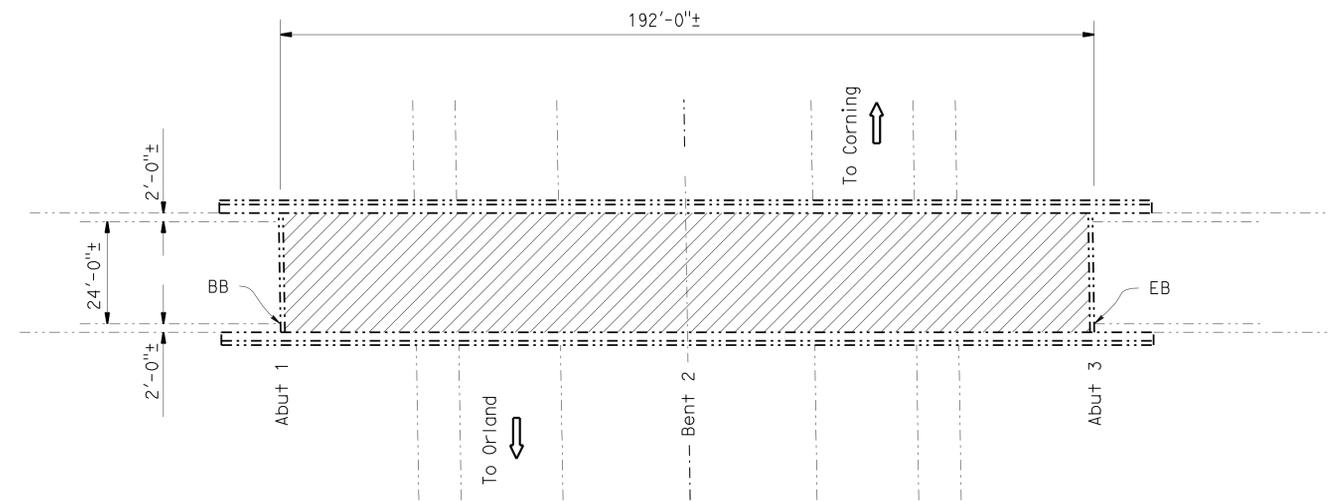
Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, clean joint and repair joint spalls.

QUANTITIES

DESCRIPTION	QUANTITY	UNIT
REMOVE UNSOUND CONCRETE	13	CF
CLEAN BRIDGE DECK	5,376	SQFT
RAPID SETTING CONCRETE (PATCH)	13	CF
TREAT BRIDGE DECK	5,376	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	60	GAL
PUBLIC SAFETY PLAN		LUMP SUM

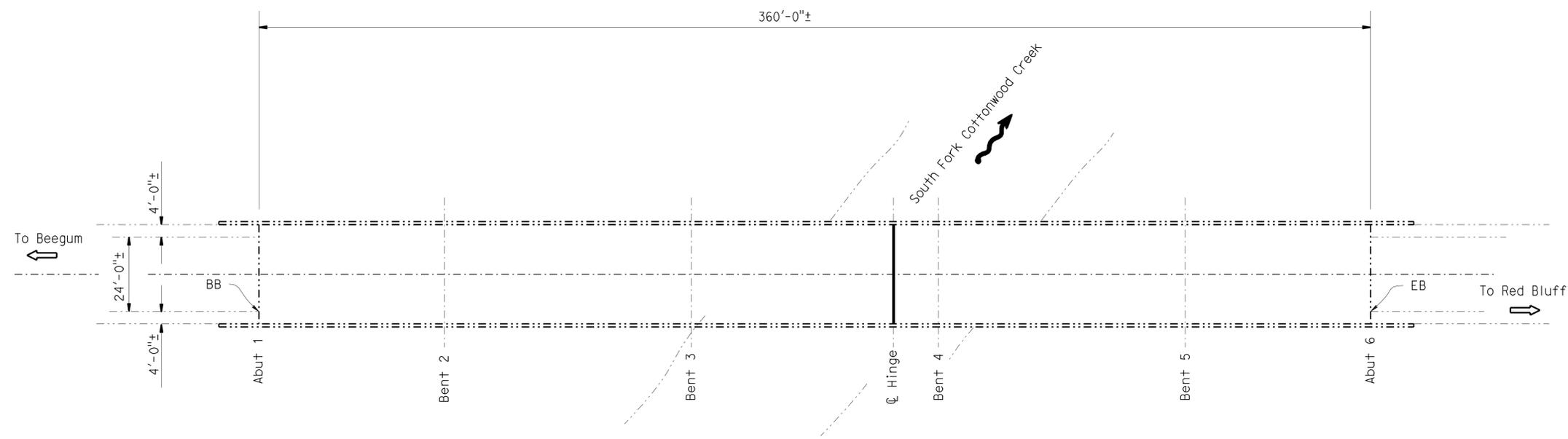
INDEX TO PLANS

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



SOUTH AVENUE OVERCROSSING

Br No. 08-0131, ROUTE 5, PM R7.49
 1" = 20'



SOUTH FORK COTTONWOOD CREEK

Br No. 08-0021, ROUTE 36, PM R25.54
 1" = 20'

QUANTITIES

DESCRIPTION	QUANTITY	UNIT
REMOVE UNSOUND CONCRETE	1	CF
CLEAN EXPANSION JOINT	33	LF
RAPID SETTING CONCRETE (PATCH)	1	CF
JOINT SEAL (MR 1")	33	LF

 DESIGN ENGINEER 12-30-10	DESIGN BY Quang Vo	CHECKED L. Monsalud	LAYOUT BY David Kish	CHECKED L. Monsalud	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTES 5, 36 & 99 BRIDGES GENERAL PLAN NO. 1
	DETAILS BY David Kish	CHECKED L. Monsalud		SPECIFICATIONS BY T. Huang/M. Kopsa			PLANS AND SPECIFICATIONS COMPARED T. Huang/M. Kopsa	
QUANTITIES BY Quang Vo	CHECKED L. Monsalud	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			CU 02600 EA 2E3001	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES: 2-27-10, 6-27-10, 7-12-10, 12-23-10, 1-14-11	SHEET 1 OF 5

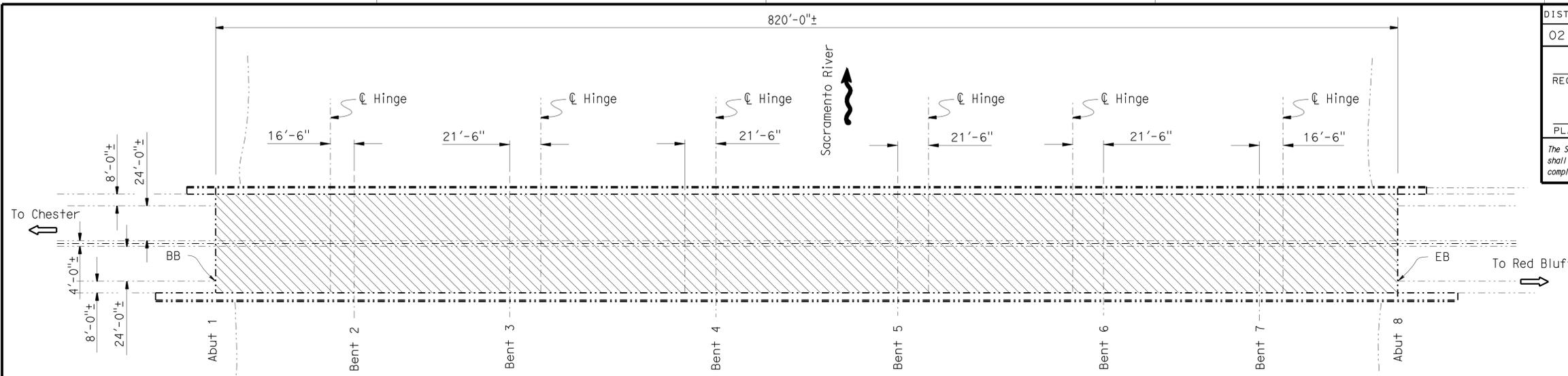
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
02	Teh	5, 36 & 99	Varies	11	14

REGISTERED CIVIL ENGINEER
 QUANG M. VO
 No. C 055211
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

12-30-10
 DATE
 1-14-11
 PLANS APPROVAL DATE

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SACRAMENTO RIVER

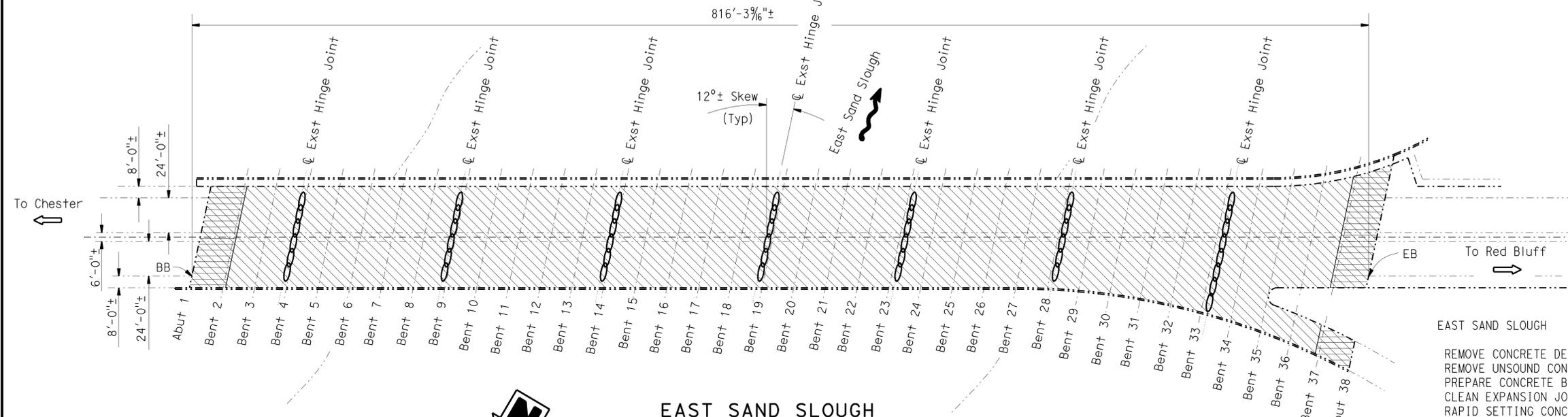
Br No. 08-0023, ROUTE 36, PM 41.40
1" = 40'

QUANTITIES

SACRAMENTO RIVER	BRIDGE NO. 08-0023
REMOVE UNSOUND CONCRETE	280 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	55,760 SQFT
RAPID SETTING CONCRETE (PATCH)	280 CF
FURNISH POLYESTER CONCRETE OVERLAY	5,580 CF
PLACE POLYESTER CONCRETE OVERLAY	55,760 SQFT
PUBLIC SAFETY PLAN	LUMP SUM

NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates limits of prepare concrete bridge deck surface, furnish and place new 1" minimum depth and varies polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete as shown on the "Deck Overlay Detail" on "JOINT SEAL DETAILS NO. 1" sheet.
- For "Polyester Concrete Taper Detail", see "JOINT SEAL DETAILS NO. 2" sheet.
- Indicates sliding steelplate hinge joints to be cleaned out of dirt and debris.
For "Joint Armor Plate Overlay Detail", see "JOINT SEAL DETAILS NO. 2" sheet.
- Deck drain to be plugged and protected from polyester concrete overlay. Shape polyester concrete around drains and remove plugs.



EAST SAND SLOUGH

Br No. 08-0090, ROUTE 36, PM 41.95
1" = 40'

QUANTITIES

EAST SAND SLOUGH	BRIDGE NO. 08-0090
REMOVE CONCRETE DECK SURFACE	400 SQFT
REMOVE UNSOUND CONCRETE	460 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	61,444 SQFT
CLEAN EXPANSION JOINT	510 LF
RAPID SETTING CONCRETE (PATCH)	460 CF
FURNISH POLYESTER CONCRETE OVERLAY	5,840 CF
PLACE POLYESTER CONCRETE OVERLAY	61,444 SQFT
PUBLIC SAFETY PLAN	LUMP SUM

 12-30-10 DESIGN ENGINEER	DESIGN BY Quang Vo	CHECKED L. Monsalud	LAYOUT BY David Kish	CHECKED L. Monsalud	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTES 5, 36 & 99 BRIDGES GENERAL PLAN NO. 2
	DETAILS BY David Kish	CHECKED L. Monsalud	SPECIFICATIONS BY T. Huang/M. Kopsa	PLANS AND SPECIFICATIONS COMPARED T. Huang/M. Kopsa			POST MILE VARIES	
	QUANTITIES BY Quang Vo	CHECKED L. Monsalud	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 02600 EA 2E3001			DISREGARD PRINTS BEARING EARLIER REVISION DATES	

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

REVISION DATES: 2-23-10, 7-22-10, 12-03-10, 12-21-10, 1-14-11

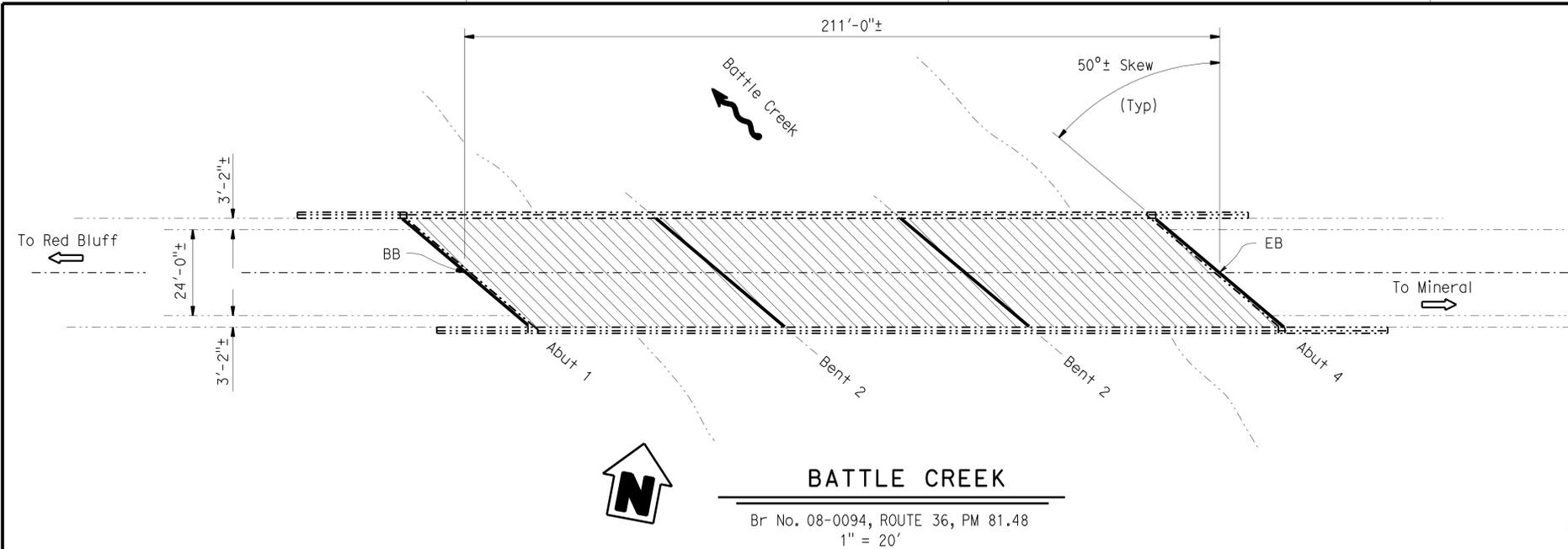
SHEET 2 OF 5

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USERNAME => 6124428 DATE PLOTTED => 14-JAN-2011 TIME PLOTTED => 11:20

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
02	Teh	5, 36 & 99	Varies	12	14

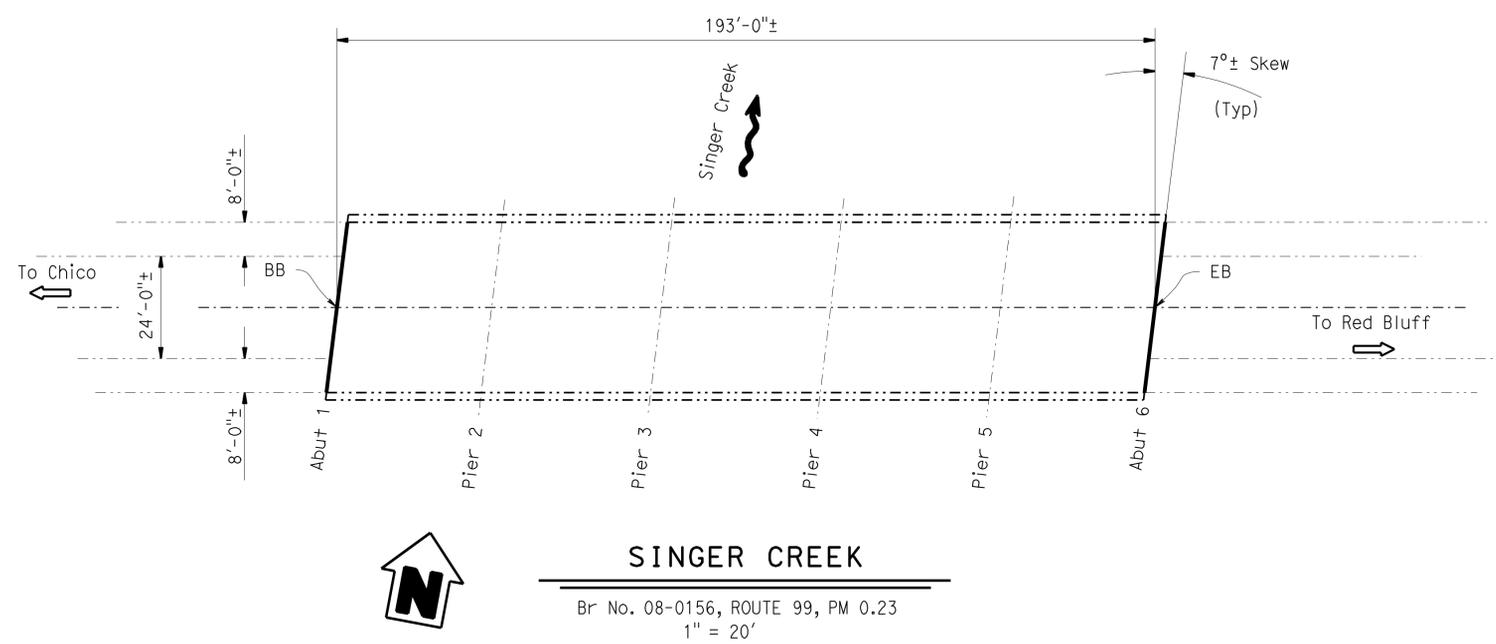
12-30-10
 REGISTERED CIVIL ENGINEER DATE
 1-14-11
 PLANS APPROVAL DATE
 QUANG M. VO
 No. C 055211
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA
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BATTLE CREEK
 Br No. 08-0094, ROUTE 36, PM 81.48
 1" = 20'

BATTLE CREEK	QUANTITIES	BRIDGE NO. 08-0094
REMOVE UNSOUND CONCRETE	22 CF	
PREPARE CONCRETE BRIDGE DECK SURFACE	7,500 SQFT	
CLEAN EXPANSION JOINT	192 LF	
RAPID SETTING CONCRETE (PATCH)	22 CF	
FURNISH POLYESTER CONCRETE OVERLAY	750 CF	
PLACE POLYESTER CONCRETE OVERLAY	7,500 SQFT	
JOINT SEAL (MR 1/2")	192 LF	

- NOTES: (APPLY TO THIS SHEET ONLY)**
- Indicates limits of prepare concrete bridge deck surface, furnish and place new 1" minimum depth and varies polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete as shown on the "Deck Overlay Detail" on "JOINT SEAL DETAILS NO. 1" sheet.
 - Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, clean joint and repair joint spalls.
- Deck drain to be plugged and protected from polyester concrete overlay. Shape polyester concrete around drains and remove plugs.



SINGER CREEK
 Br No. 08-0156, ROUTE 99, PM 0.23
 1" = 20'

SINGER CREEK	QUANTITIES	BRIDGE NO. 08-0156
REMOVE UNSOUND CONCRETE	2 CF	
CLEAN EXPANSION JOINT	82 LF	
RAPID SETTING CONCRETE (PATCH)	2 CF	
JOINT SEAL (MR 1")	82 LF	

 12-30-10 DESIGN ENGINEER	DESIGN BY Quang Vo	CHECKED L. Monsalud	LAYOUT BY David Kish	CHECKED L. Monsalud	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTES 5, 36 & 99 BRIDGES GENERAL PLAN NO. 3
	DETAILS BY David Kish	CHECKED L. Monsalud		BY T. Huang/M. Kopsa			PLANS AND SPECIFICATIONS COMPARED T. Huang/M. Kopsa	
QUANTITIES BY Quang Vo	CHECKED L. Monsalud	SPECIFICATIONS		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 02600 EA 2E3001	REVISION DATES	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET 3 OF 5

USERNAME => 6124428 DATE PLOTTED => 14-JAN-2011 TIME PLOTTED => 11:20

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
02	Teh	5, 36 & 99	Varies	13	14

12-30-10
REGISTERED CIVIL ENGINEER DATE
1-14-11
PLANS APPROVAL DATE

QUANG M. VO
No. C 055211
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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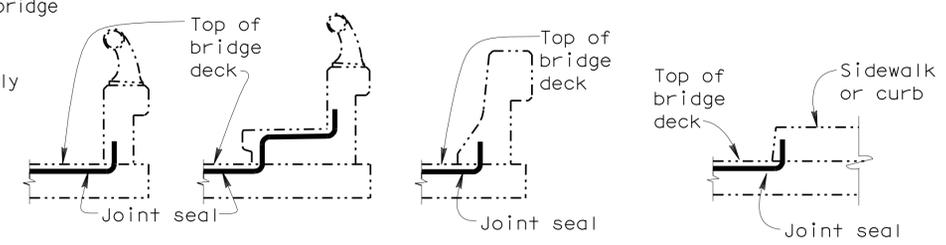
- Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
- Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.
- W1 shall be the smaller of the values determined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

JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION	MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)	APPROX DEPTH OF JOINT SPALLS (INCHES)	APPROX WIDTH OF JOINT SPALLS (INCHES)	APPROX LENGTH OF JOINT SPALLS (FEET)
SOUTH FORK COTTONWOOD CREEK	08-0021	Hinge Span 3	H 1 *	33	No	12	3	6	5
BATTLE CREEK	08-0094	Abut 1	BW 1/2 *	48	No	12	3	6	5
		Bent 2	Q 1/2 *	48	No	12	3	6	5
		Bent 3	Q 1/2 *	48	No	12	3	6	5
		Abut 4	BW 1/2 *	48	No	12	3	6	5
SINGER CREEK	08-0156	Abut 1	BW 1 *	41	No	12	3	6	5
		Abut 6	BW 1 *	41	No	12	3	6	5

LEGEND:

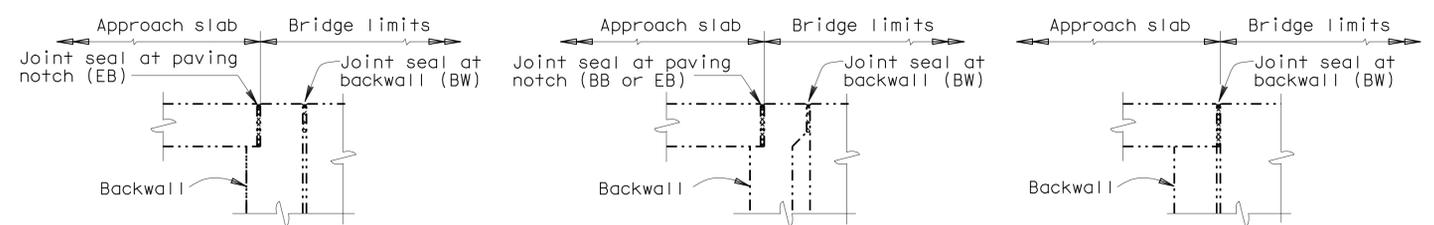
- BB - Paving Notch at beginning of bridge
- EB - Paving Notch at end of bridge
- BW - Abutment backwall joint
- H - Hinge Joint
- * - Use Joint Seal Type B only



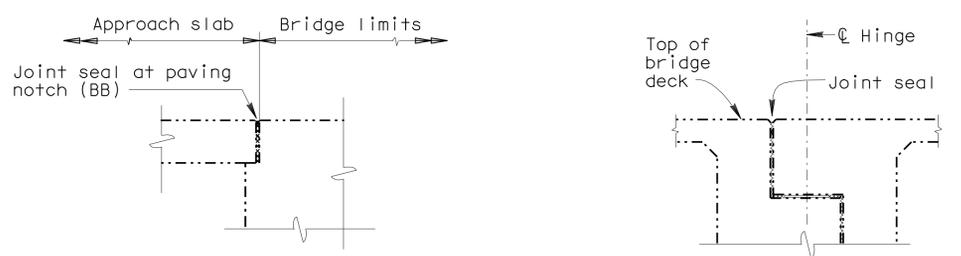
BARRIER RAIL SIDEWALK OR CURB

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



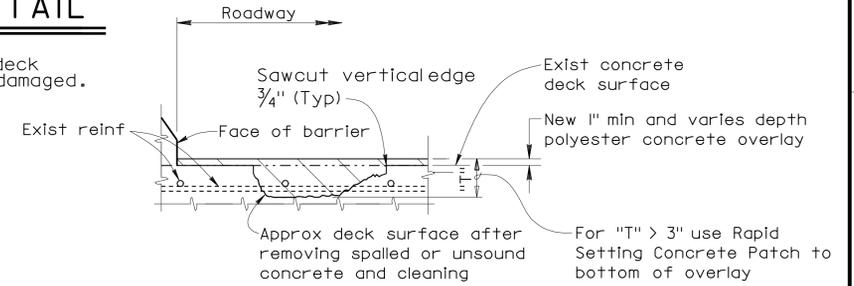
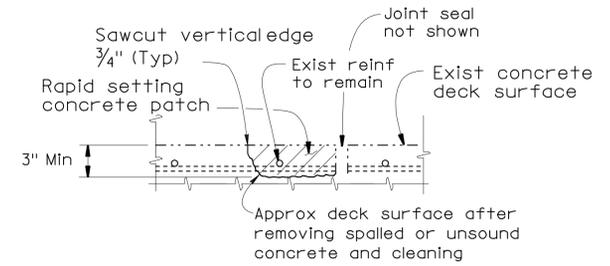
DIAPHRAGM ABUTMENT HINGE

JOINT SEAL LOCATION

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

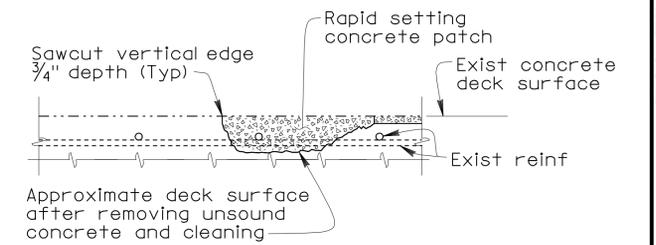
JOINT SPALL REPAIR DETAIL

Reinforcement may be encountered during deck concrete removal and is to remain undamaged.



DECK OVERLAY DETAIL

Note: Reinforcement may be encountered during deck concrete removal.



DECK REPAIR DETAIL

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

NO SCALE

DECK REPAIR TABLE REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)

BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
SACRAMENTO RIVER	08-0023	2%	3
SOUTH AVENUE UNDERCROSSING	08-0131	1%	3
EAST SAND SLOUGH	08-0090	3%	3
BATTLE CREEK	08-0094	1%	3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

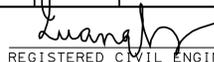
DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

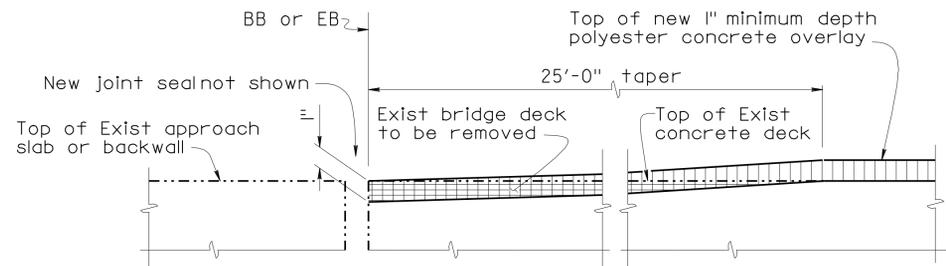
BRIDGE NO.
VARIOUS

POST MILE
VARIES

ROUTES 5, 36 & 99 BRIDGES
JOINT SEAL DETAILS NO. 1

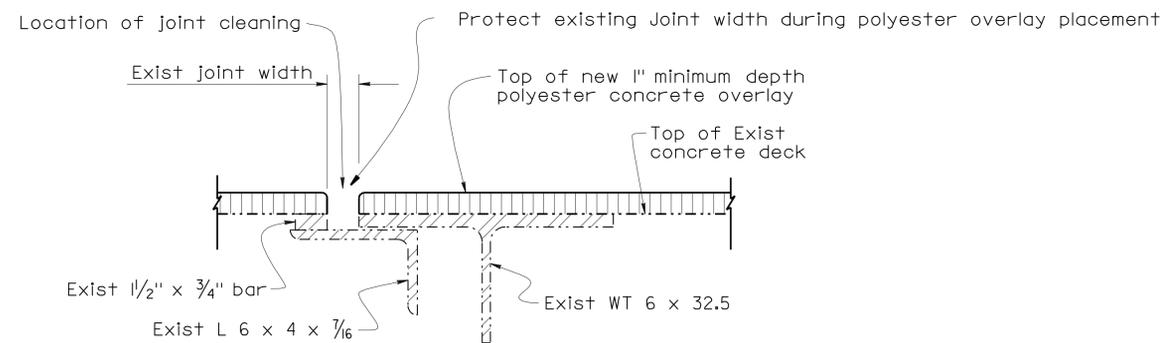
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
02	Teh	5, 36 & 99	Varies	14	14
 REGISTERED CIVIL ENGINEER			DATE	12-30-10	
PLANS APPROVAL DATE			1-14-11		
					
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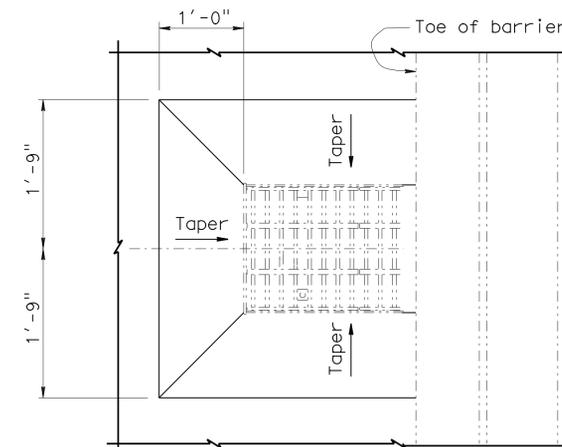
POLYESTER CONCRETE TAPER DETAIL

NO SCALE



JOINT ARMOR PLATE OVERLAY DETAIL

3" = 1'-0"



PLAN (Existing Deck Drain Type D1 & D2)

1" = 1'-0"

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)	DESIGN	BY Quang Vo	CHECKED L. Monsalud	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTES 5, 36 & 99 BRIDGES JOINT SEAL DETAILS NO.2
	DETAILS	BY Dale Kubochi	CHECKED L. Monsalud			POST MILE	VARIES	
	QUANTITIES	BY Quang Vo	CHECKED L. Monsalud			VARIES		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	CU 02600 EA 2E3001	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES: 7-12-10, 7-26-10, 12-03-10, 12-21-10, 1-14-11		SHEET 5 OF 5

FILE => 02-2e3001_05-e-jtsdet02.dgn

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