

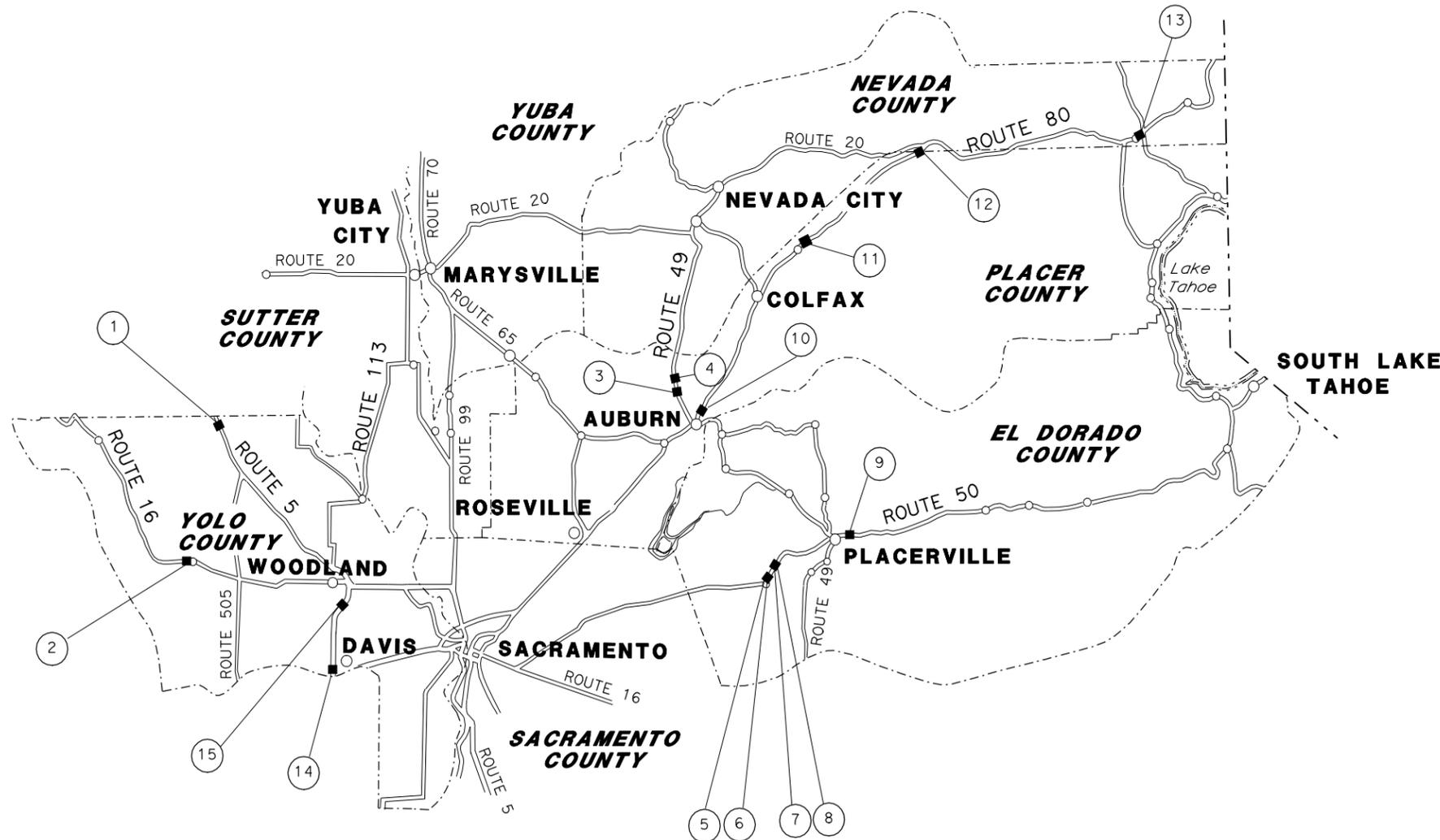
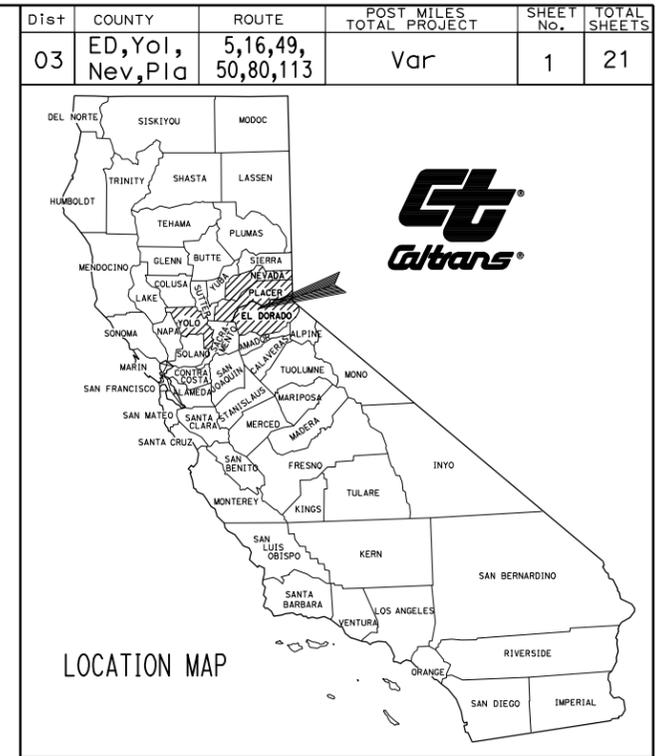
INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3-7	CONSTRUCTION AREA SIGNS
8	PAVEMENT DELINEATION QUANTITIES
9-12	REVISED STANDARD PLANS
STRUCTURE PLANS	
13-21	ROUTES 5, 16, 49, 50, 80, 113 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 EL DORADO, NEVADA,  
PLACER, AND YOLO COUNTIES  
AT VARIOUS LOCATIONS**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

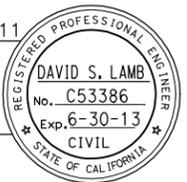


LOCATIONS OF CONSTRUCTION

LOCATION	COUNTY	ROUTE	POST MILE	BRIDGE NUMBER	STRUCTURE NAME
①	Yol	5	R27.78	22-0134	COUNTY ROAD 2 OC
②	Yol	16	25.15	22-0027	CAPAY CANAL
③	Pla	49	R8.09	19-0020	SOUTH FORK DRY CREEK
④	Pla	49	R9.45	19-0021	NORTH FORK DRY CREEK
⑤	ED	50	R10.30	25-0078L	EAST SHINGLE SPRINGS UC
⑥	ED	50	R10.30	25-0078R	EAST SHINGLE SPRINGS UC
⑦	ED	50	R12.19	25-0075L	GREENSTONE ROAD UC
⑧	ED	50	R12.19	25-0075R	GREENSTONE ROAD UC
⑨	ED	50	19.12	25-0063	SCHNELL SCHOOL ROAD UC
⑩	Pla	80	R18.88	19-0125	RUSSELL ROAD OC
⑪	Pla	80	43.17	19-0110	MONTE VISTA OC
⑫	Nev	80	R58.84	17-0070	YUBA GAP OC
⑬	Nev	80	16.60	17-0099L	ROUTE 80/89/267 SEP
⑭	Yol	113	R1.08	22-0071	RUSSELL BOULEVARD OC
⑮	Yol	113	R7.66	22-0127	COUNTY ROAD 25A OC

PROJECT MANAGER  
RONALD SYKES  
  
DESIGN ENGINEER  
RONALD SYKES

*D.S. Lamb* 12-7-11  
PROJECT ENGINEER DATE  
REGISTERED CIVIL ENGINEER



December 12, 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.	<b>03-4M1904</b>
PROJECT ID	<b>03000200591</b>

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

DATE PLOTTED => 09-JAN-2012 TIME PLOTTED => 11:21  
LAST REVISION 12-1-11

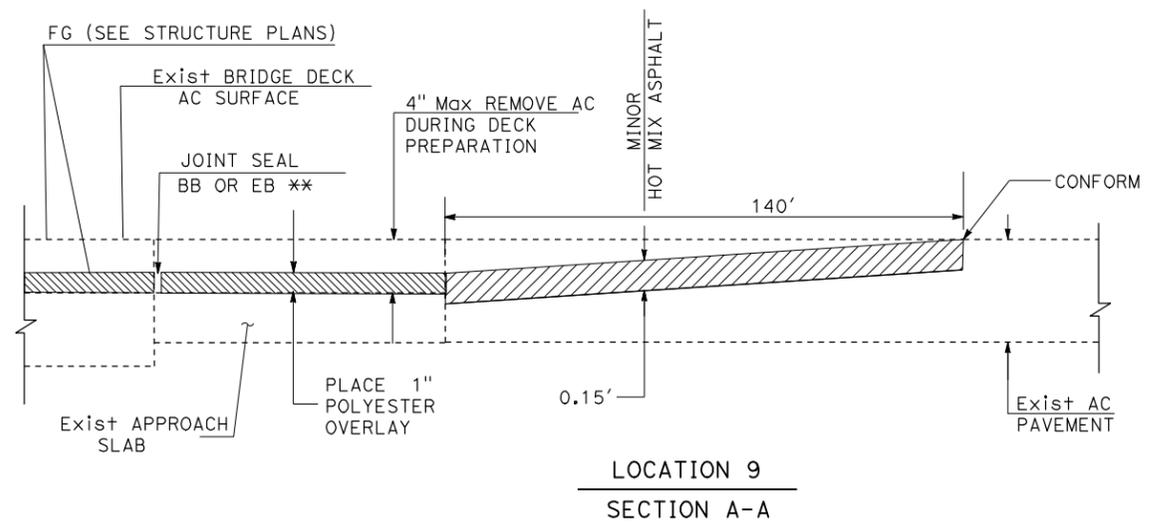
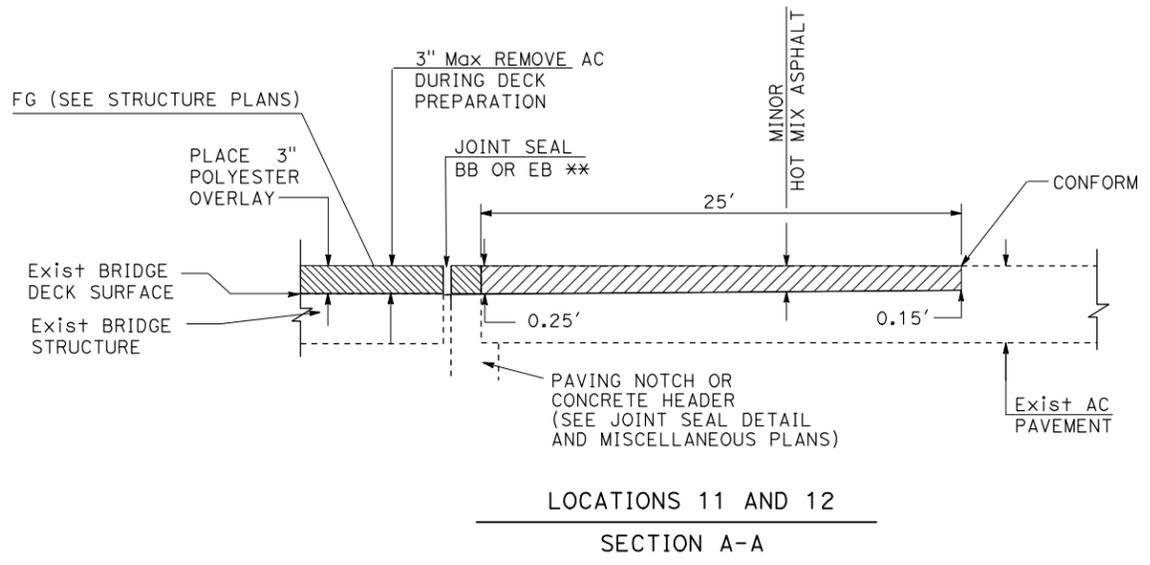
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 MAINTENANCE

FUNCTIONAL SUPERVISOR: RONALD SYKES  
 REVISIONS: (Grid with 'x' marks)  
 REVISOR: JOE SAAVEDRA, DAVID LAMB  
 CHECKED BY: DAVID LAMB  
 DESIGNED BY: JOE SAAVEDRA

**LEGEND**

POLYESTER CONCRETE OVERLAY

COLD PLANE AC PAVEMENT



NOTE: \*\* BEGIN AND END OF BRIDGE OR END OF APPROACH AND DEPARTURE SLABS.

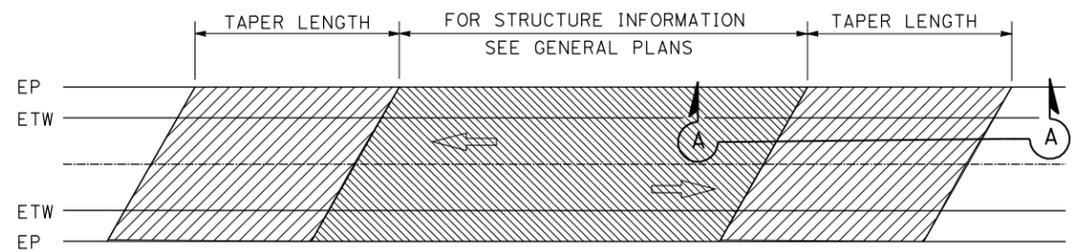
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Nev, Rld, Tol	5,16,49, 50,80,113	Var	2	21

REGISTERED CIVIL ENGINEER: DAVID S. LAMP  
 No. C53386  
 Exp. 6/30/13  
 DATE: 12-7-11  
 PLANS APPROVAL DATE: 12-12-11

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.

**ROADWAY QUANTITIES**

LOCATION NUMBER	COUNTY AND ROUTE	BRIDGE NUMBER	DESCRIPTION	TAPER LENGTH	TAPER WIDTH	MINOR HOT MIX ASPHALT	COLD PLANE AC PAVEMENT
				LF	LF	TON	SQYD
9	ED 50	25-0063	SCHNELL SCHOOL ROAD UC	140	86	268	2676
11	Pla 80	19-0110	MONTE VISTA OC	25	28	21	156
12	Nev 80	17-0070	YUBA GAP OC	25	30	22	167
TOTAL						311	2,999



**AC PAVEMENT CONFORM**

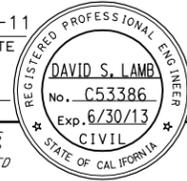
**CONSTRUCTION DETAILS AND SUMMARY OF QUANTITIES**

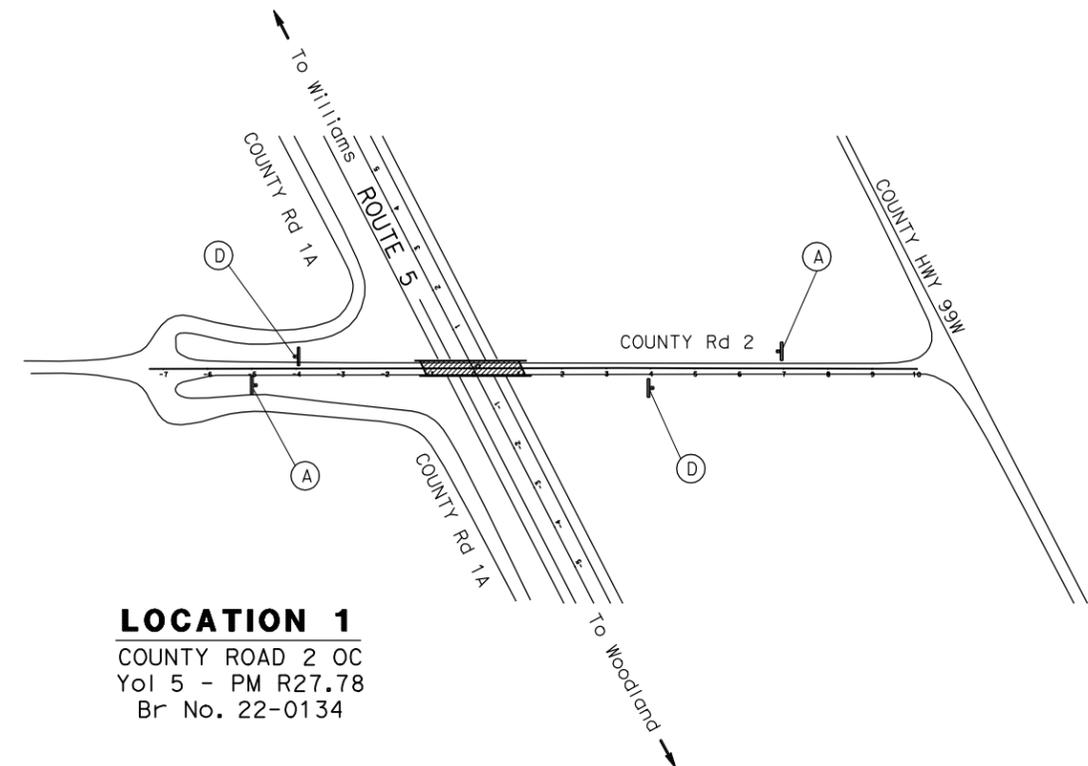
NO SCALE

**C-1**

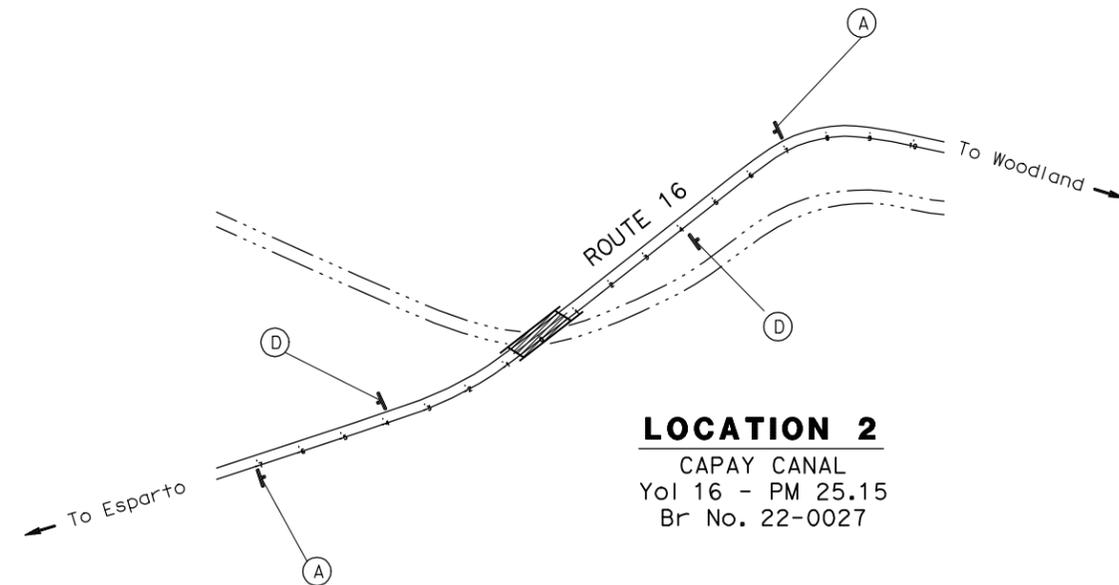
**NOTE:**  
1. FOR STATIONARY MOUNTED CONSTRUCTION AREA SIGNS CHART, SEE CS-5

**LEGEND**  
 (X) CONSTRUCTION AREA SIGN LETTER  
 | SIGN - SINGLE POST  
 || SIGN - TWO POST  
 <CA> CALIFORNIA SIGN CODE

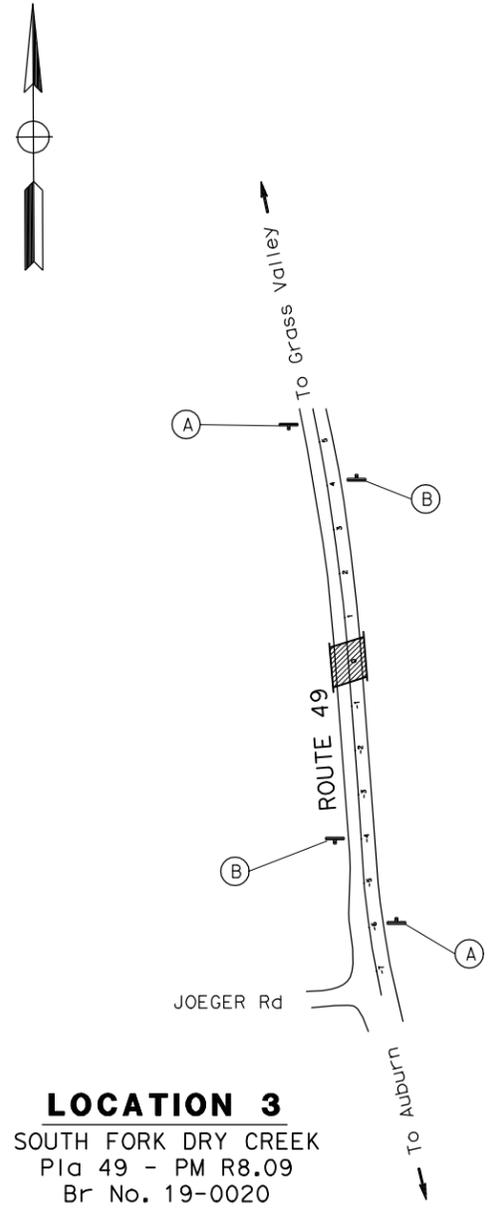
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED,Nev, RId,Vol	5,16,49, 50,80,113	Var	3	21
 REGISTERED CIVIL ENGINEER			12-7-11	DATE	
PLANS APPROVAL DATE 12-12-11					
					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



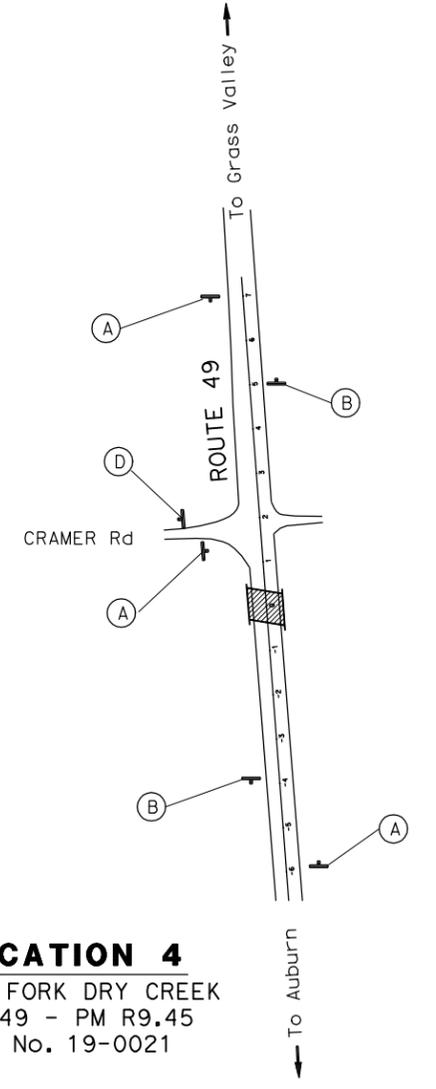
**LOCATION 1**  
 COUNTY ROAD 2 OC  
 Yol 5 - PM R27.78  
 Br No. 22-0134



**LOCATION 2**  
 CAPAY CANAL  
 Yol 16 - PM 25.15  
 Br No. 22-0027



**LOCATION 3**  
 SOUTH FORK DRY CREEK  
 Pla 49 - PM R8.09  
 Br No. 19-0020



**LOCATION 4**  
 NORTH FORK DRY CREEK  
 Pla 49 - PM R9.45  
 Br No. 19-0021

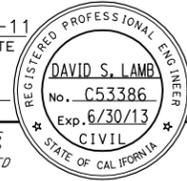
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
**MAINTENANCE**  
 FUNCTIONAL SUPERVISOR: RONALD SYKES  
 REVISIONS: REVISED BY (JOE SAAVEDRA, DAVID LAMB), DATE REVISED, CALCULATED/DESIGNED BY, CHECKED BY  
 BORDER LAST REVISED 7/2/2010

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

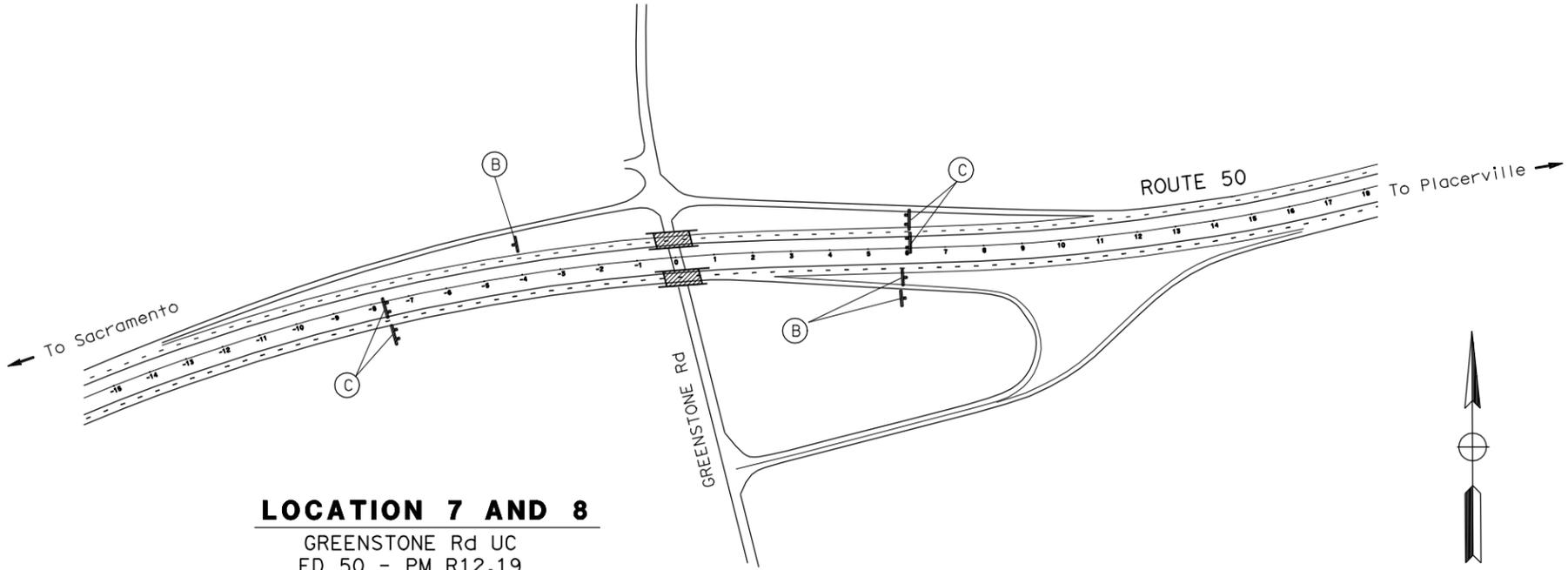
**CONSTRUCTION AREA SIGNS**  
 NO SCALE  
**CS-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
**MAINTENANCE**

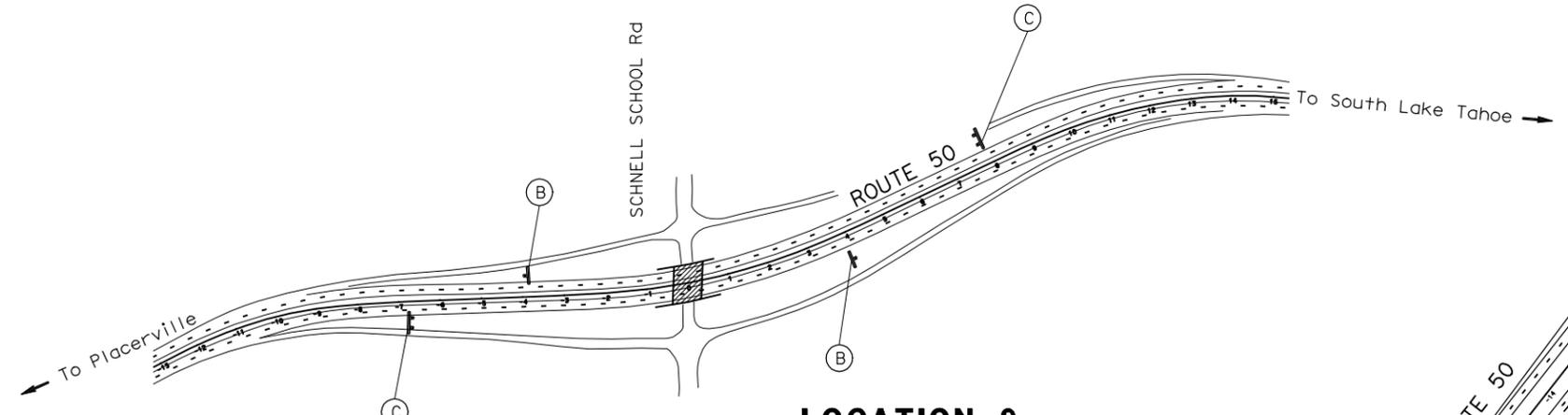
FUNCTIONAL SUPERVISOR: RONALD SYKES  
 REVISIONS: x x x x x  
 REVISOR: JOE SAAVEDRA, DAVID LAMB  
 CHECKED BY: [Blank]  
 DESIGNED BY: [Blank]

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Nev, Rld, Yoli	5,16,49, 50,80,113	Var	4	21
 REGISTERED CIVIL ENGINEER			12-7-11	DATE	
PLANS APPROVAL DATE: 12-12-11					

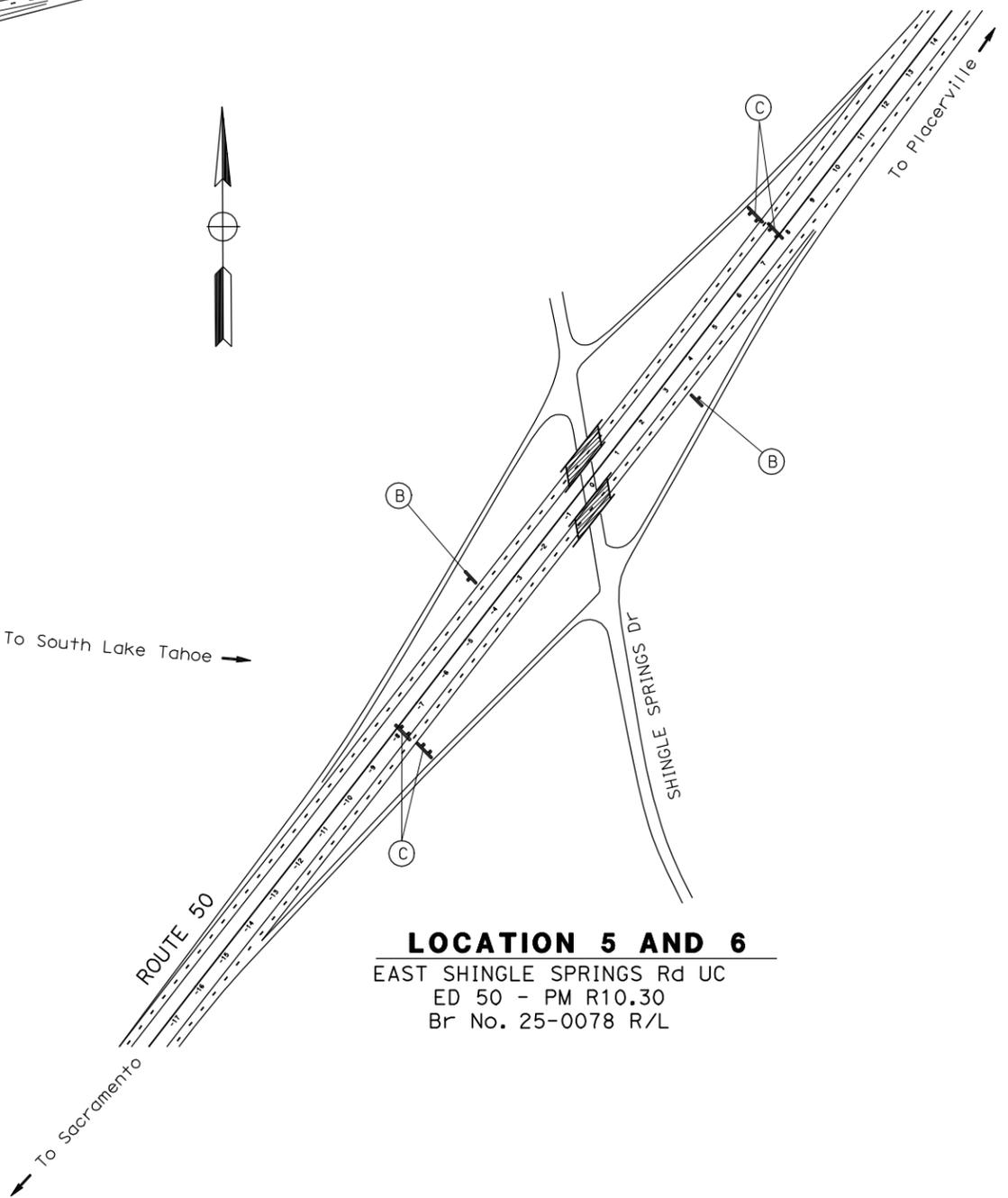
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



**LOCATION 7 AND 8**  
 GREENSTONE Rd UC  
 ED 50 - PM R12.19  
 Br No. 25-0075 R/L



**LOCATION 9**  
 SCHNELL SCHOOL Rd UC  
 ED 50 - PM 19.12  
 Br No. 25-0063



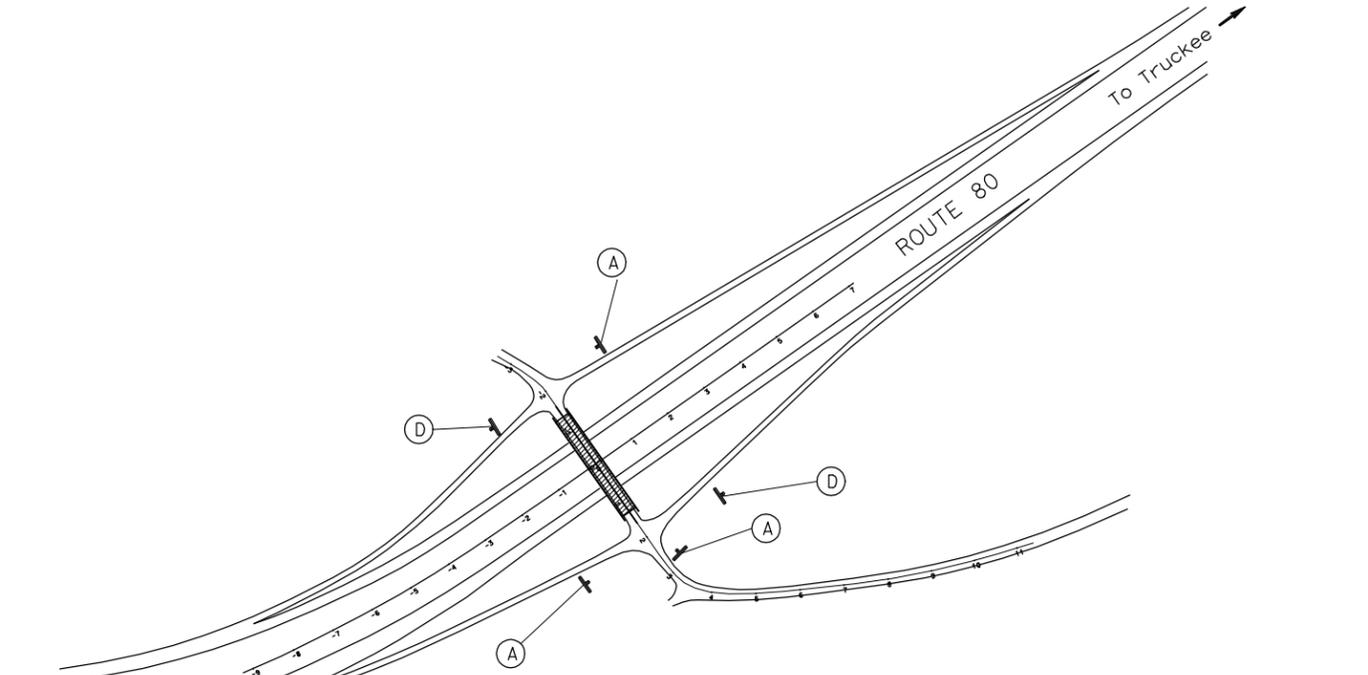
**LOCATION 5 AND 6**  
 EAST SHINGLE SPRINGS Rd UC  
 ED 50 - PM R10.30  
 Br No. 25-0078 R/L

**CONSTRUCTION AREA SIGNS**  
 NO SCALE  
**CS-2**

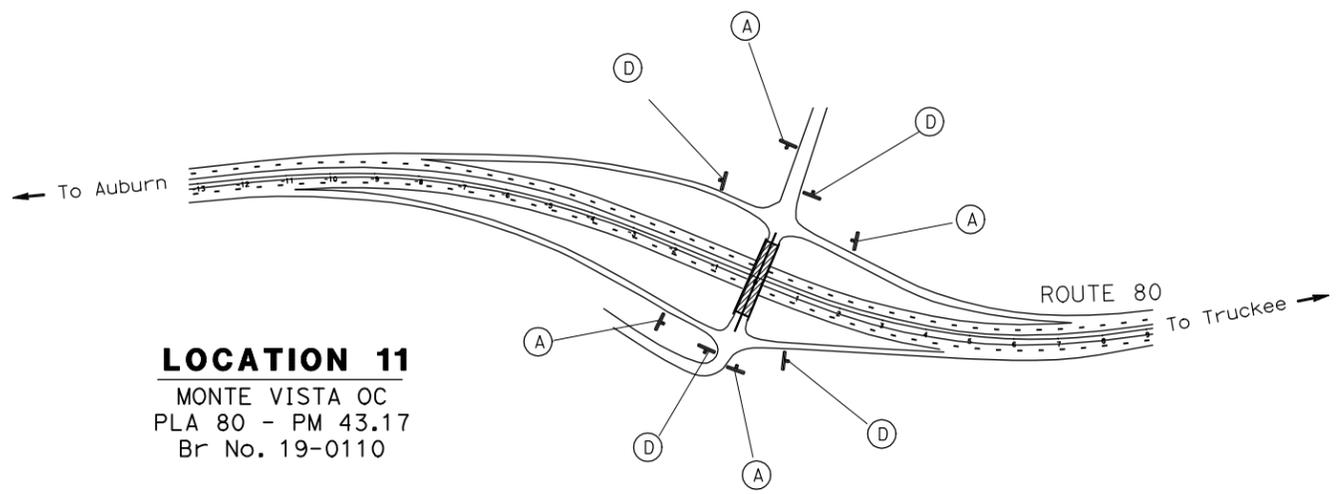
APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE

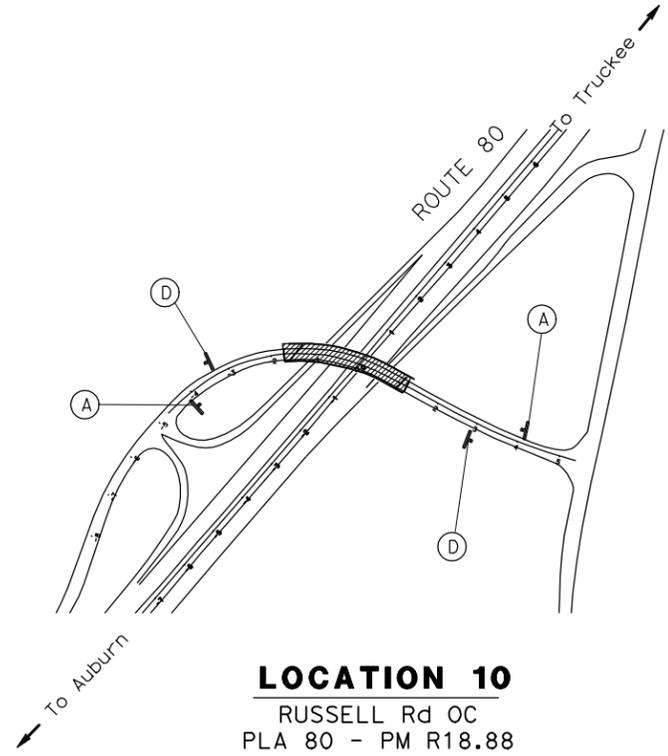
FUNCTIONAL SUPERVISOR: RONALD SYKES  
 DESIGNED BY: JOE SAAVEDRA  
 CHECKED BY: DAVID LAMB  
 REVISIONS: (Grid with 'x' marks)



**LOCATION 12**  
 YUBA GAP OC  
 Nev 80 - PM R58.84  
 Br No. 17-0070



**LOCATION 11**  
 MONTE VISTA OC  
 PLA 80 - PM 43.17  
 Br No. 19-0110



**LOCATION 10**  
 RUSSELL Rd OC  
 PLA 80 - PM R18.88  
 Br No. 19-0125

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED,Nev, RId,Xpl	5,16,49, 50,80,113	Var	5	21
 REGISTERED CIVIL ENGINEER			12-7-11	DATE	
PLANS APPROVAL DATE			12-12-11	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 <b>DAVID S. LAMB</b> No. C53386 Exp. 6/30/13 CIVIL STATE OF CALIFORNIA					

**CONSTRUCTION AREA SIGNS**  
 NO SCALE  
**CS-3**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

DATE PLOTTED => 09-JAN-2012  
 TIME PLOTTED => 11:21

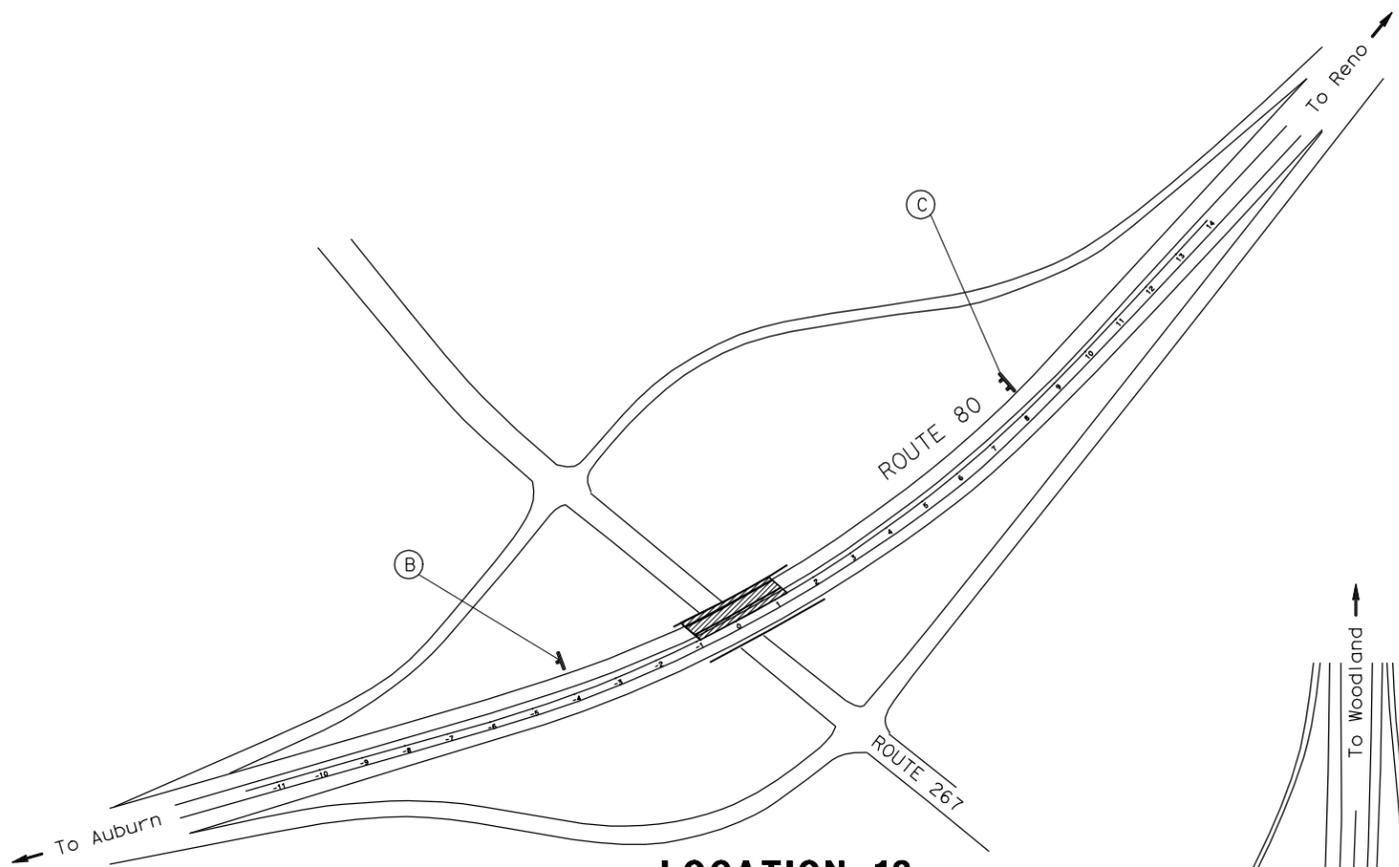
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**St. Gobans** MAINTENANCE

FUNCTIONAL SUPERVISOR: RONALD SYKES  
 CALCULATED-DESIGNED BY: JOE SAAVEDRA  
 CHECKED BY: DAVID LAMB  
 REVISED BY: [ ]  
 DATE REVISED: [ ]

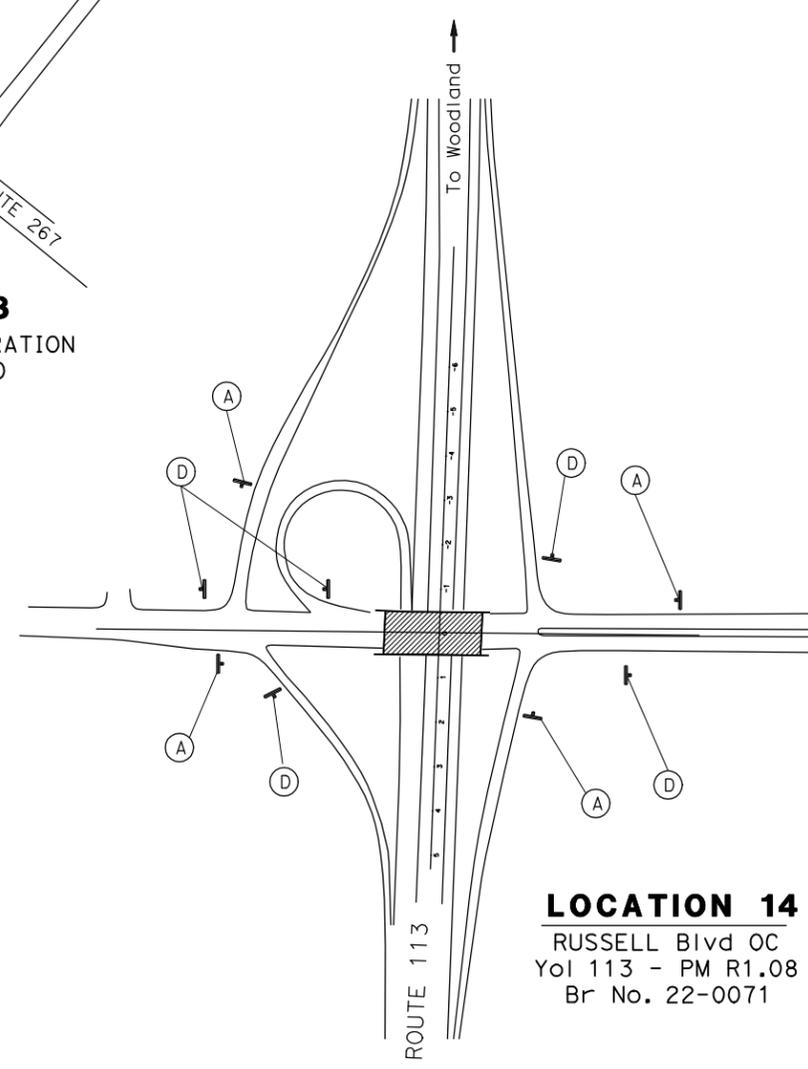
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED, Nev, Rld, Yoli	5,16,49, 50,80,113	Var	6	21
 REGISTERED CIVIL ENGINEER			12-7-11	DATE	
PLANS APPROVAL DATE: 12-12-11					

**DAVID S. LAMB**  
 No. C53386  
 Exp. 6/30/13  
 CIVIL  
 STATE OF CALIFORNIA

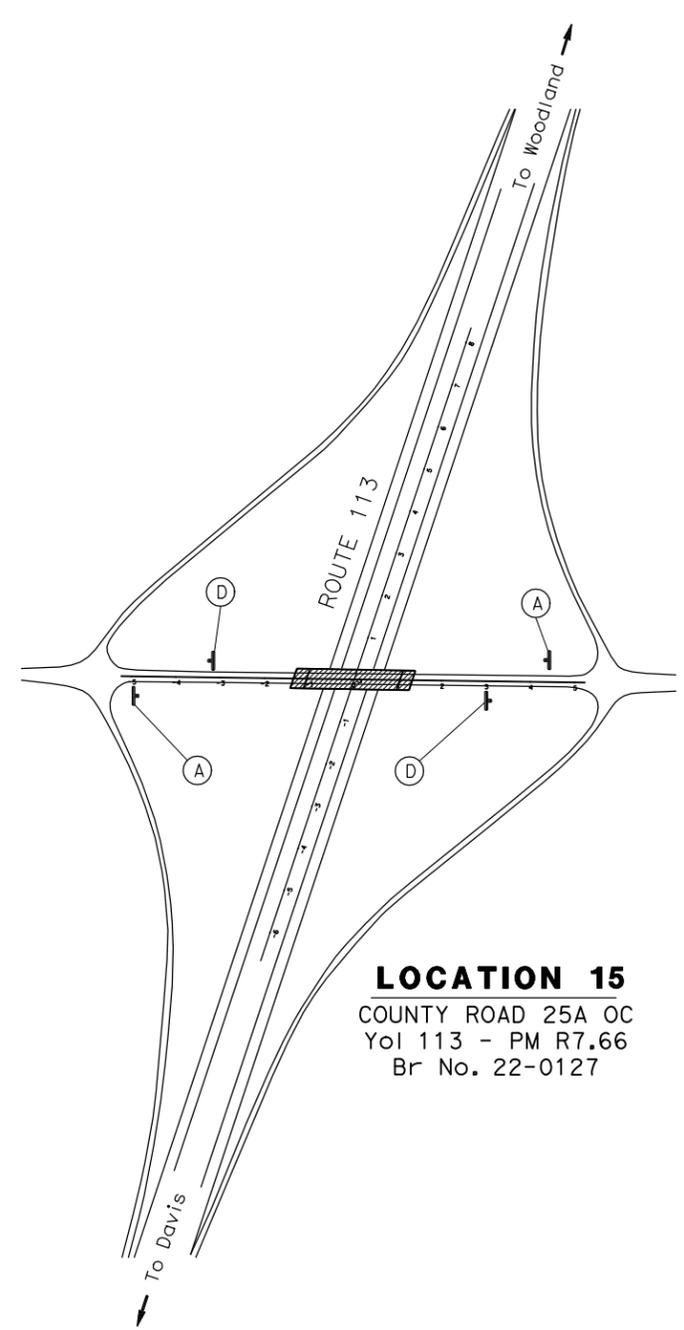
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



**LOCATION 13**  
 ROUTE 80/89/267 SEPARATION  
 Nev 80 - PM 16.60  
 Br No. 17-0099 L



**LOCATION 14**  
 RUSSELL Blvd OC  
 Yol 113 - PM R1.08  
 Br No. 22-0071



**LOCATION 15**  
 COUNTY ROAD 25A OC  
 Yol 113 - PM R7.66  
 Br No. 22-0127



**CONSTRUCTION AREA SIGNS**  
 NO SCALE **CS-4**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

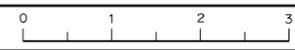
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**St. Gobans** MAINTENANCE

REVISOR

BORDER LAST REVISED 7/2/2010

USERNAME => s131880  
 DGN FILE => 034m1901a005.dgn

RELATIVE BORDER SCALE IS IN INCHES



UNIT 0484

PROJECT NUMBER & PHASE

03000200591

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	ED,Nev, Ria,Yol	5,16,49, 50,80,113	Var	7	21

*D.S. Lamb* 12-7-11  
 REGISTERED CIVIL ENGINEER DATE

12-12-11  
 PLANS APPROVAL DATE

DAVID S. LAMB  
 No. C53386  
 Exp. 6/30/13  
 CIVIL  
 STATE OF CALIFORNIA

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.

**STATIONARY MOUNTED CONSTRUCTION AREA SIGNS**

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)	W20-1	C23	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	24
(B)		C14	48" x 24"	END ROAD WORK	1 - 4" x 6"	12
(C)	W20-1	C23	60" x 60"	ROAD WORK AHEAD	2 - 4" x 6"	11
(D)	G20-2	C14	36" x 18"	END ROAD WORK	1 - 4" x 4"	20

**NOTE:**

- EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

**CONSTRUCTION AREA SIGNS**

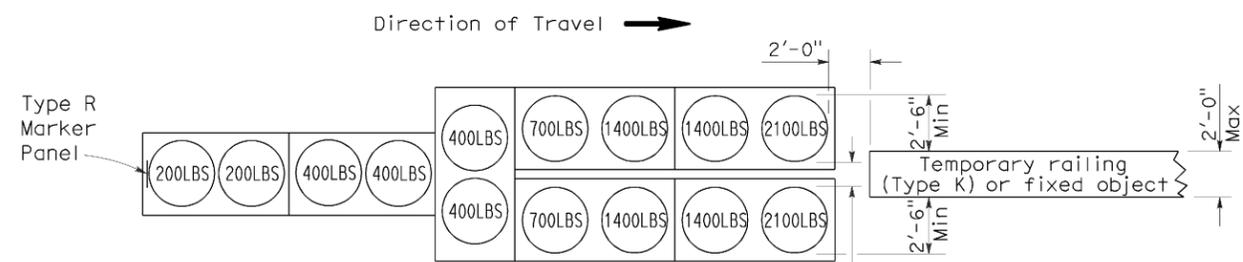
NO SCALE

**CS-5**

LAST REVISION 12-1-11  
 DATE PLOTTED => 09-JAN-2012  
 TIME PLOTTED => 11:21

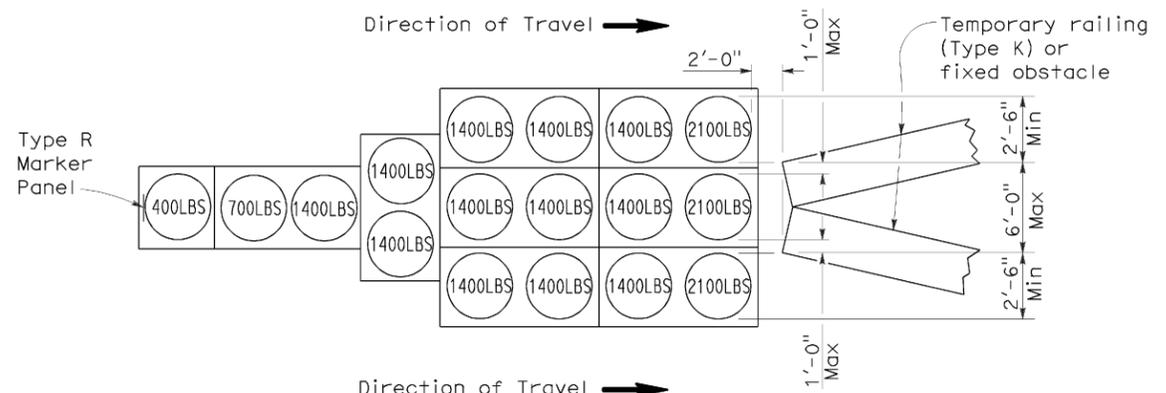


To accompany plans dated 12-12-11



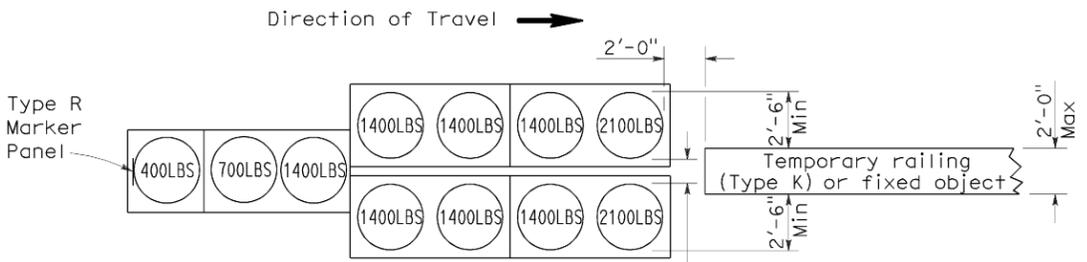
**ARRAY 'TU14'**

Approach speed 45 mph or more



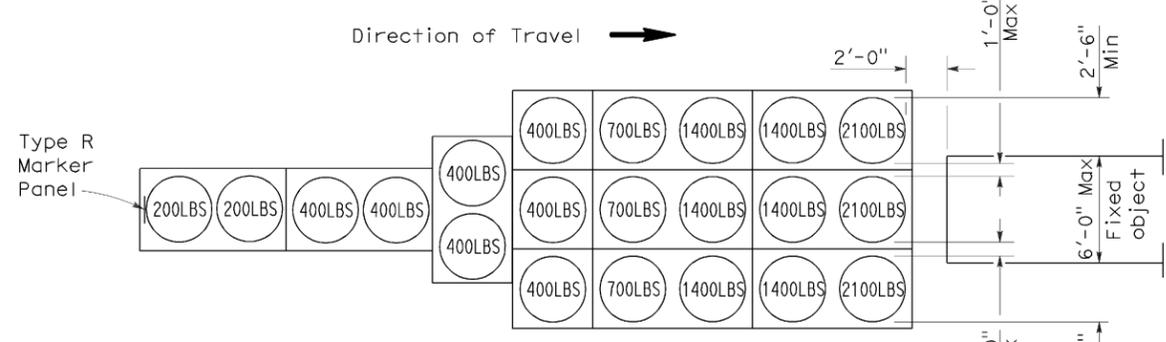
**ARRAY 'TU17'**

Approach speed less than 45 mph



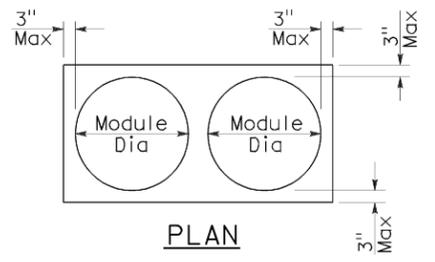
**ARRAY 'TU11'**

Approach speed less than 45 mph

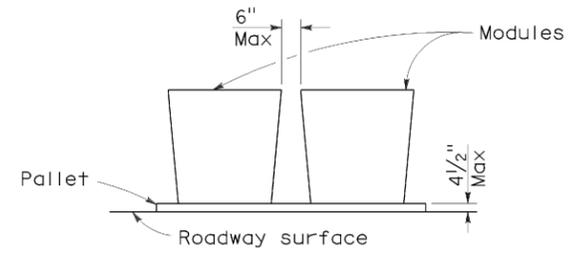


**ARRAY 'TU21'**

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
03	ED, Yol, Nev, Pla	5,16,49 50,80,113	Var	10	21

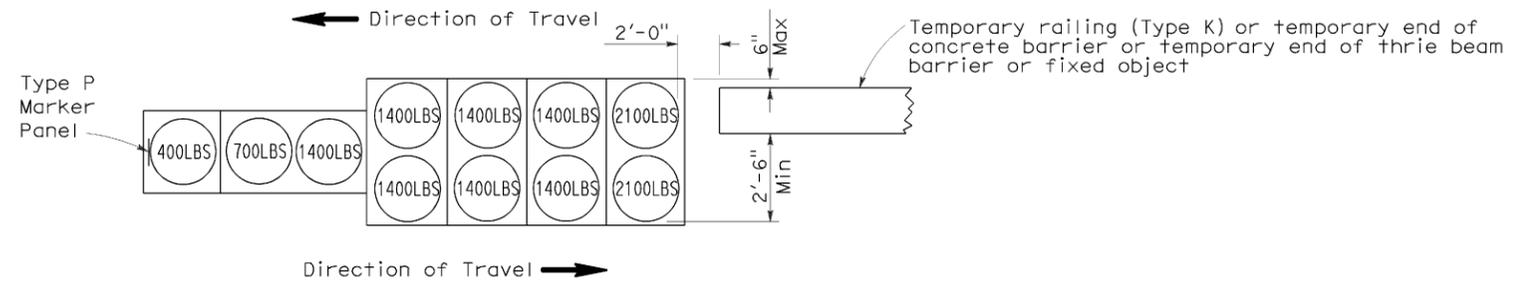
Randell D. Hiatt  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

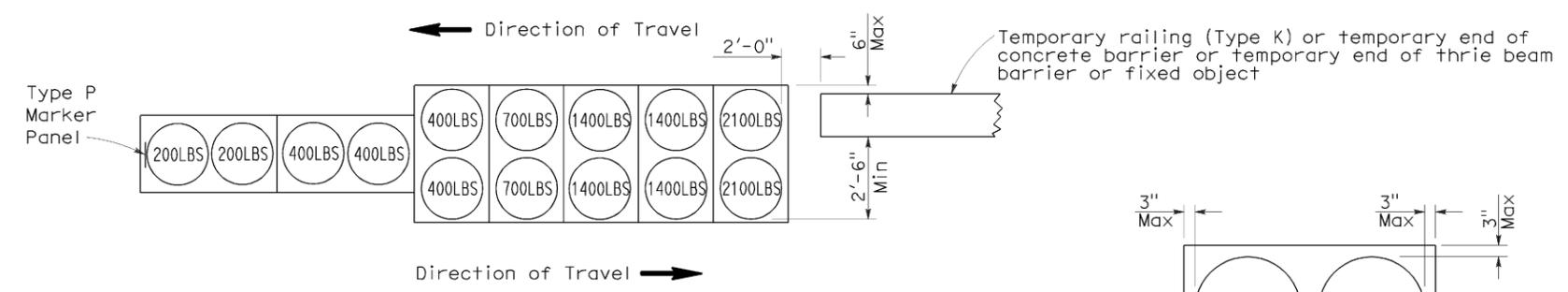
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

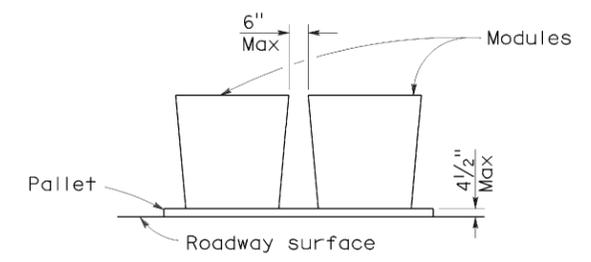
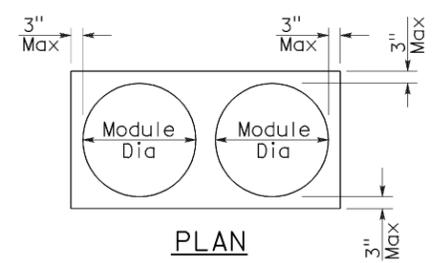
To accompany plans dated 12-12-11



**ARRAY 'TB11'**  
Approach speed less than 45 mph



**ARRAY 'TB14'**  
Approach speed 45 mph or more



**CRASH CUSHION PALLET DETAIL**  
See Note 7

**NOTES:**

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

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B  
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T1B**

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED, Yol, Nev, Pla	5,16,49 50,80,113	Var	11	21

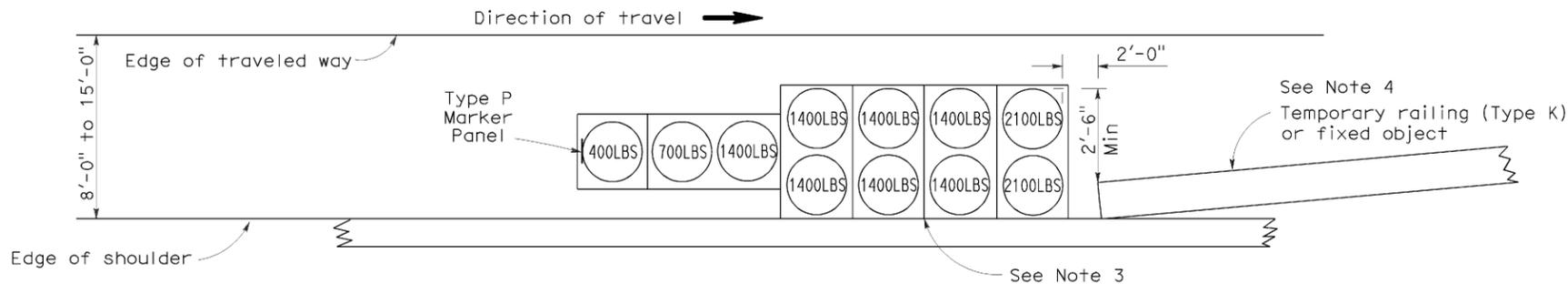
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

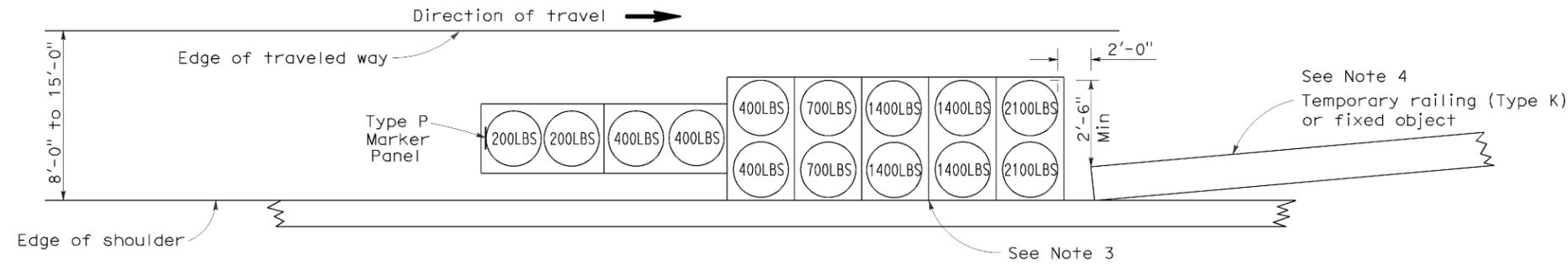
*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

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

To accompany plans dated 12-12-11



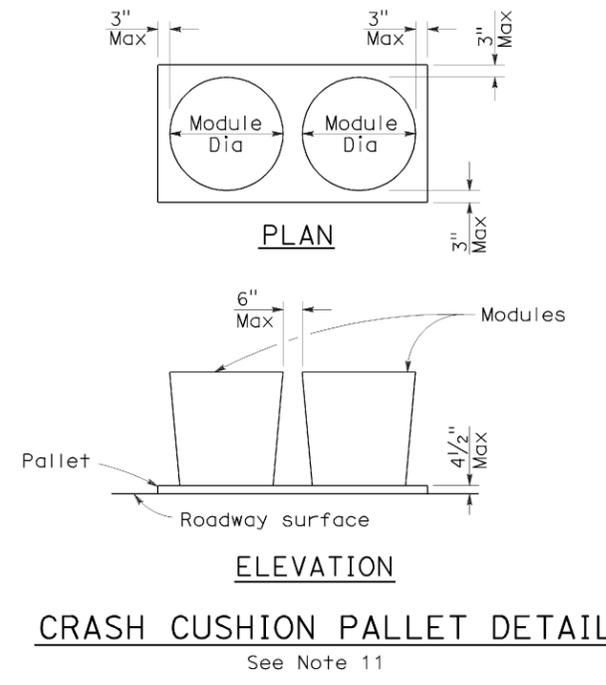
**ARRAY 'TS11'**  
Approach speed less than 45 mph  
See Note 9



**ARRAY 'TS14'**  
Approach speed 45 mph or more  
See Note 9

**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

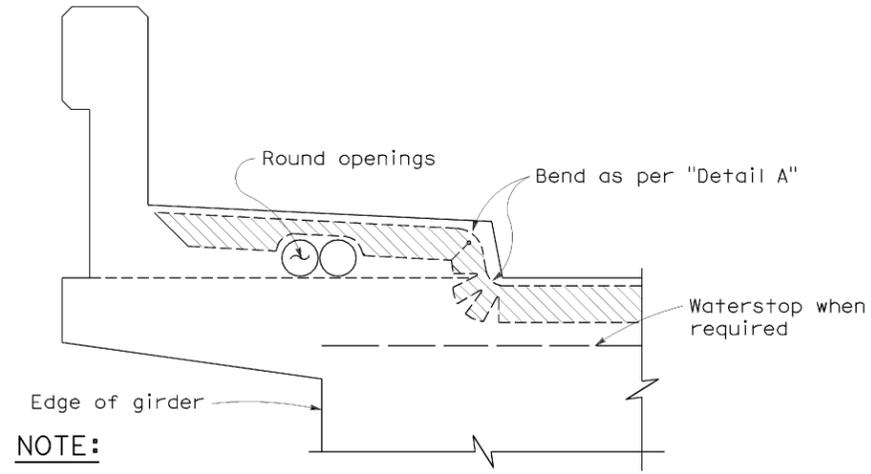
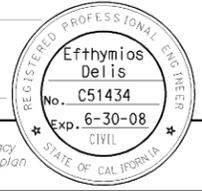
**TEMPORARY CRASH CUSHION,  
SAND FILLED  
(SHOULDER INSTALLATIONS)**

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.

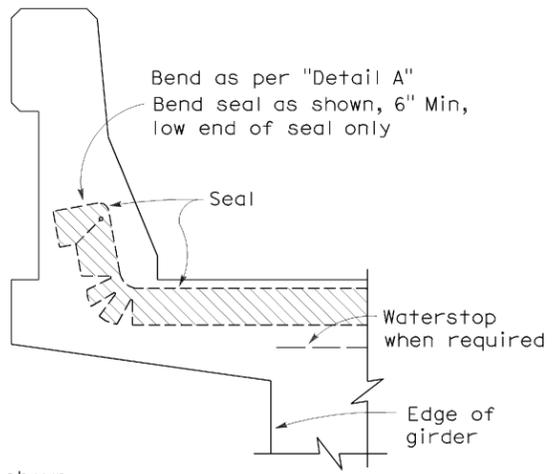
**REVISED STANDARD PLAN RSP T2**

2006 REVISED STANDARD PLAN RSP T2

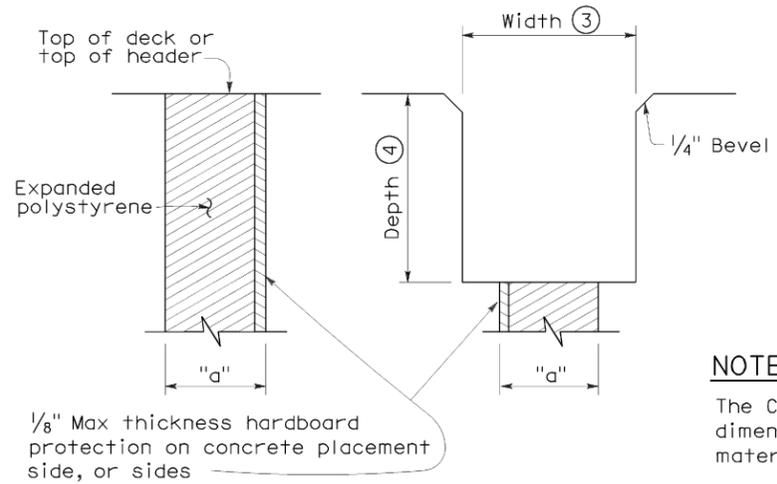


**NOTE:**  
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

**CONCRETE BARRIER AND SIDEWALK**



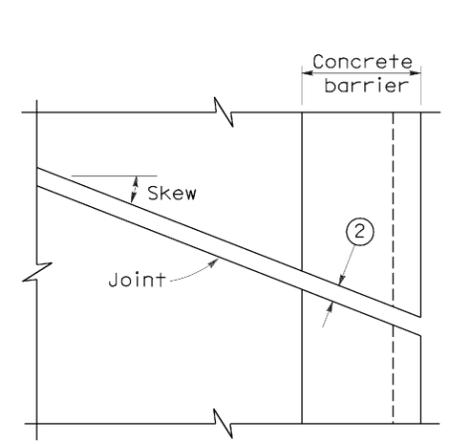
**CONCRETE BARRIER**



**FORMING DETAIL SAWCUT DETAIL**

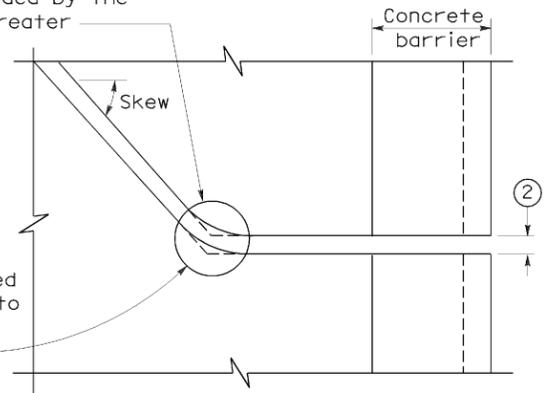
**NOTE:**  
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

**JOINT SEALS DETAILS**



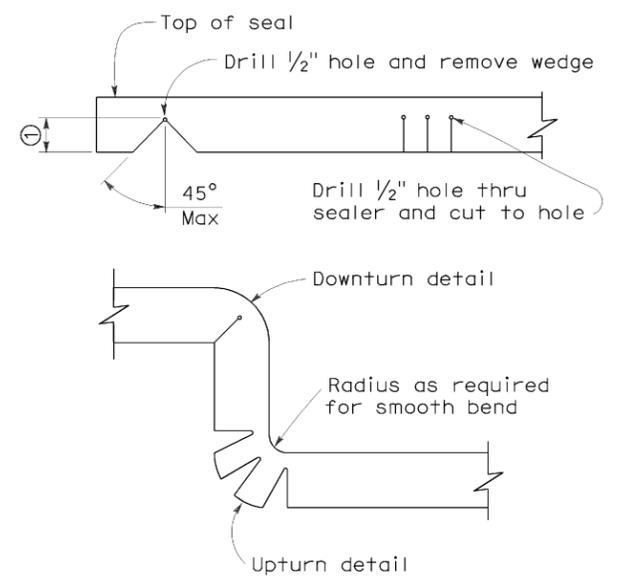
**PLAN OF JOINT (SKEW ≤ 20°)**

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.



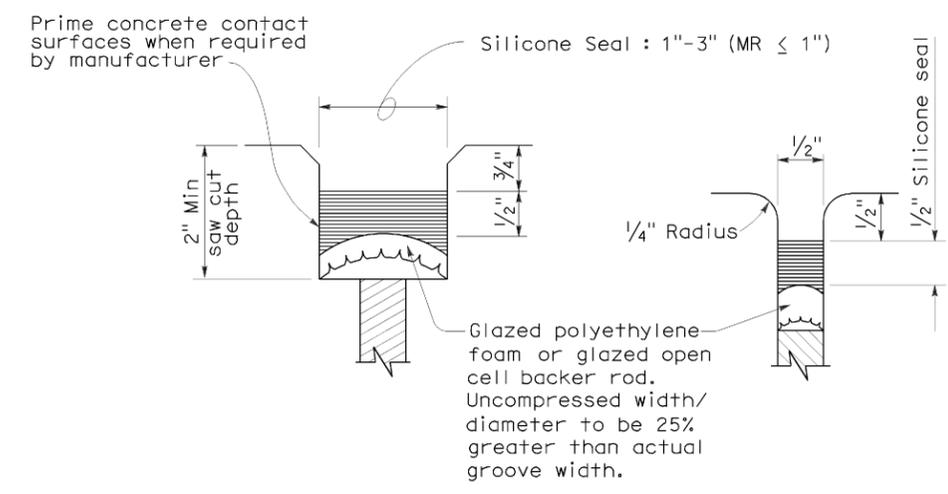
**DETAIL A**

- 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

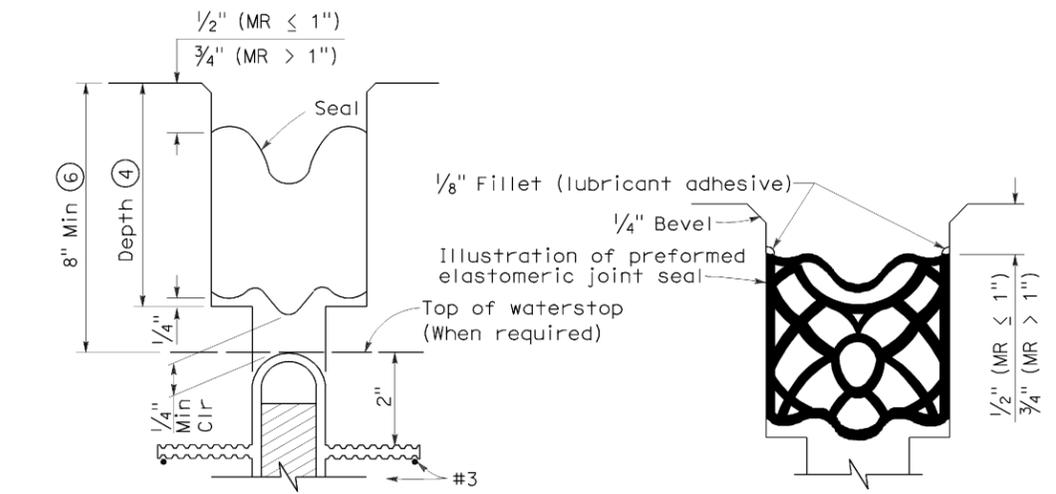


**TYPE A SEAL**

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"

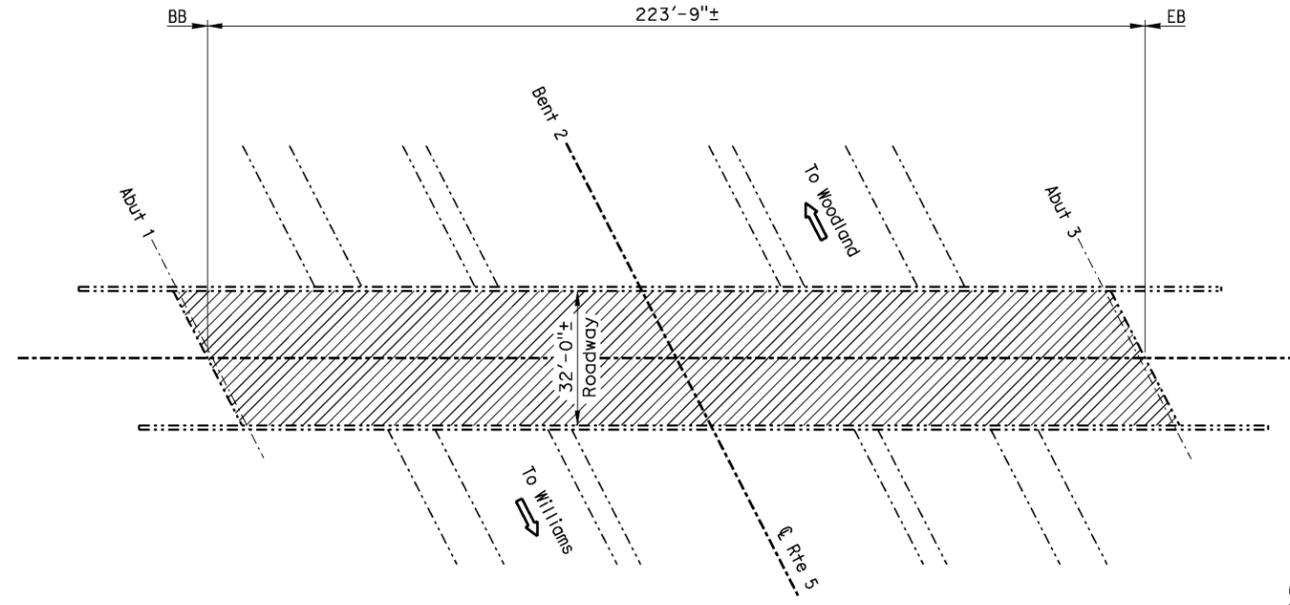
RSP B6-21 DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN B6-21 DATED MAY 1, 2006 - PAGE 258 OF THE STANDARD PLANS BOOK DATED MAY 2006.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED, PLA, YOL, NEV	5, 16, 49, 50, 80, 113	VARIOUS	13	21

Charles R. Hutchinson  
 REGISTERED CIVIL ENGINEER  
 DATE: 8-17-11  
 PLANS APPROVAL DATE: 12-12-11

REGISTERED PROFESSIONAL ENGINEER  
 CHARLES R. HUTCHINSON  
 No. C 54226  
 Exp. 12-31-12  
 CIVIL  
 STATE OF CALIFORNIA

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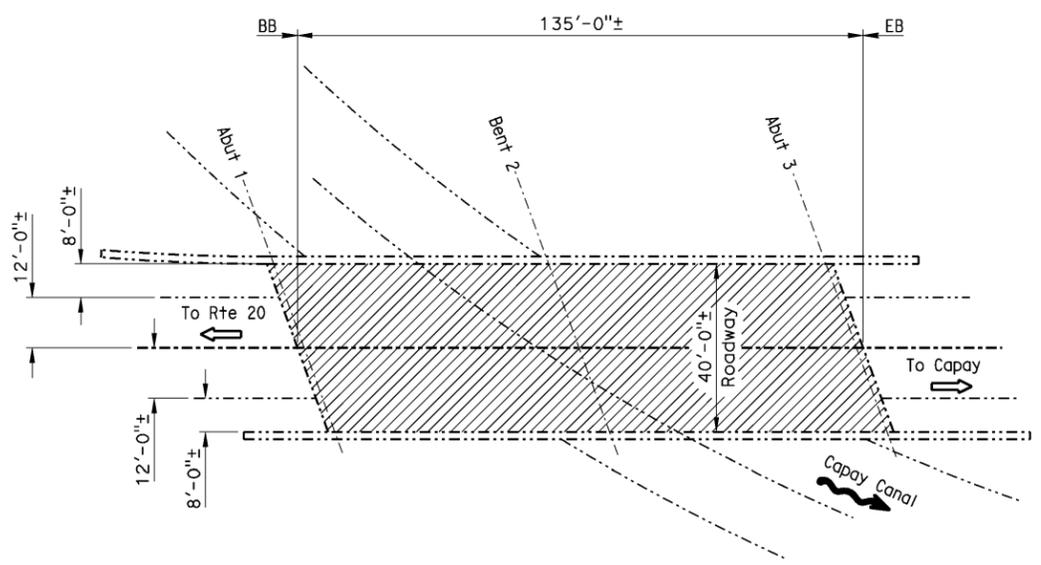


COUNTY ROAD 2 OC BR NO.22-0134

QUANTITIES

CLEAN BRIDGE DECK	7,160	SOFT
TREAT BRIDGE DECK	7,160	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	97	GAL

**COUNTY ROAD 2 OVERCROSSING**  
 BR NO. 22-0134, YOL, ROUTE 5, PM R27.78  
 1" = 20'



CAPAY CANAL BR NO.22-0027

QUANTITIES

CLEAN BRIDGE DECK	5,400	SOFT
TREAT BRIDGE DECK	5,400	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	73	GAL

**CAPAY CANAL**  
 BR NO. 22-0027, YOL, ROUTE 16, PM 25.15  
 1" = 20'

- NOTES: (APPLY TO ALL SHEETS)
- Indicates existing.
  - THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
  - STANDARD PLAN SHEET NUMBER
  - DETAIL NUMBER
- NOTES: (APPLY TO THIS SHEET ONLY)
- ▨ Indicates limits of clean and treat bridge deck with high molecular weight methacrylate.

**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	ABUTMENT & APPROACH SLAB DETAILS
8	JOINT SEAL & DECK REPAIR DETAILS
9	SNOW PLOW DEFLECTOR DETAILS

**STANDARD PLANS DATED MAY 2006**

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

8-17-11 <i>Michael J. Lee</i> DESIGN ENGINEER	DESIGN BY C. Hutchinson	CHECKED H. Dang	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	BRIDGE NO. VARIOUS	<b>ROUTE 5, 16, 49, 50, 80, 113 BRIDGES</b> <b>GENERAL PLAN NO. 1</b>
	DETAILS BY M. Hallstrom	CHECKED H. Dang	LAYOUT BY M. Hallstrom	CHECKED H. Dang		PLANS AND SPECS COMPARED X	
	QUANTITIES BY C. Hutchinson	CHECKED H. Dang	SPECIFICATIONS BY X				

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3  
 UNIT: X PROJECT NUMBER & PHASE: 0300020059 1 CONTRACT NO.: 03-4M1901 DISREGARD PRINTS BEARING EARLIER REVISION DATES 4-11-11 SHEET 1 OF 9  
 FILE => 03-4m1901\_01gp01.dgn

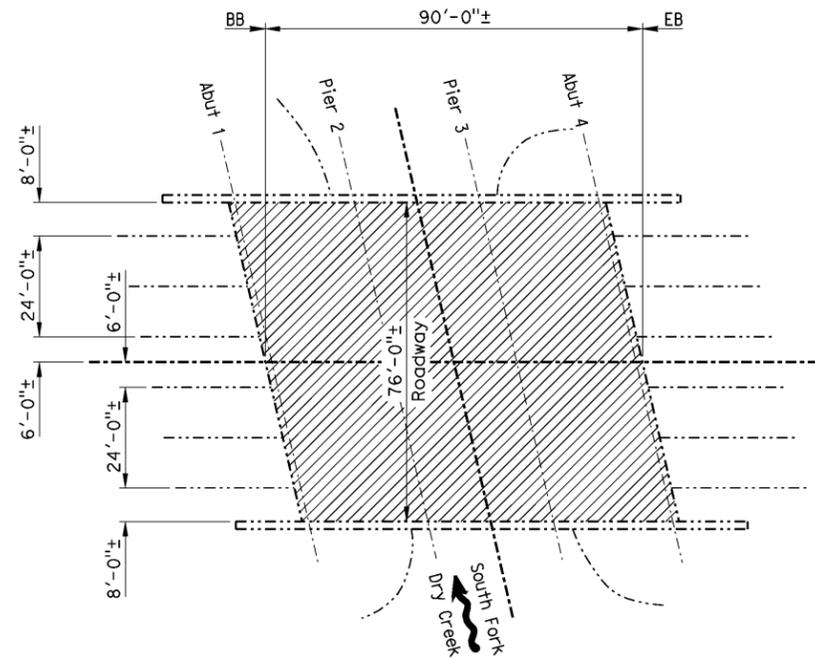
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED, PLA, YOL, NEV	5, 16, 49, 50, 80, 113	VARIOUS	14	21

8-17-11  
 REGISTERED CIVIL ENGINEER DATE  
 12-12-11  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 CHARLES R. HUTCHINSON  
 No. C 54226  
 Exp. 12-31-12  
 CIVIL  
 STATE OF CALIFORNIA

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**SOUTH FORK DRY CREEK** BR NO.19-0020

QUANTITIES

CLEAN BRIDGE DECK	6,840	SOFT
TREAT BRIDGE DECK	6,840	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	92	GAL

**NORTH FORK DRY CREEK** BR NO.19-0021

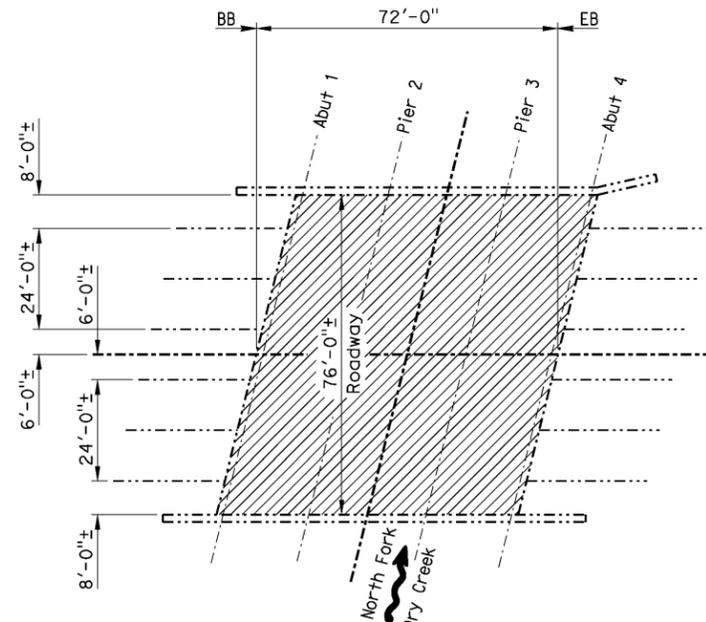
QUANTITIES

CLEAN BRIDGE DECK	5,472	SOFT
TREAT BRIDGE DECK	5,472	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	74	GAL

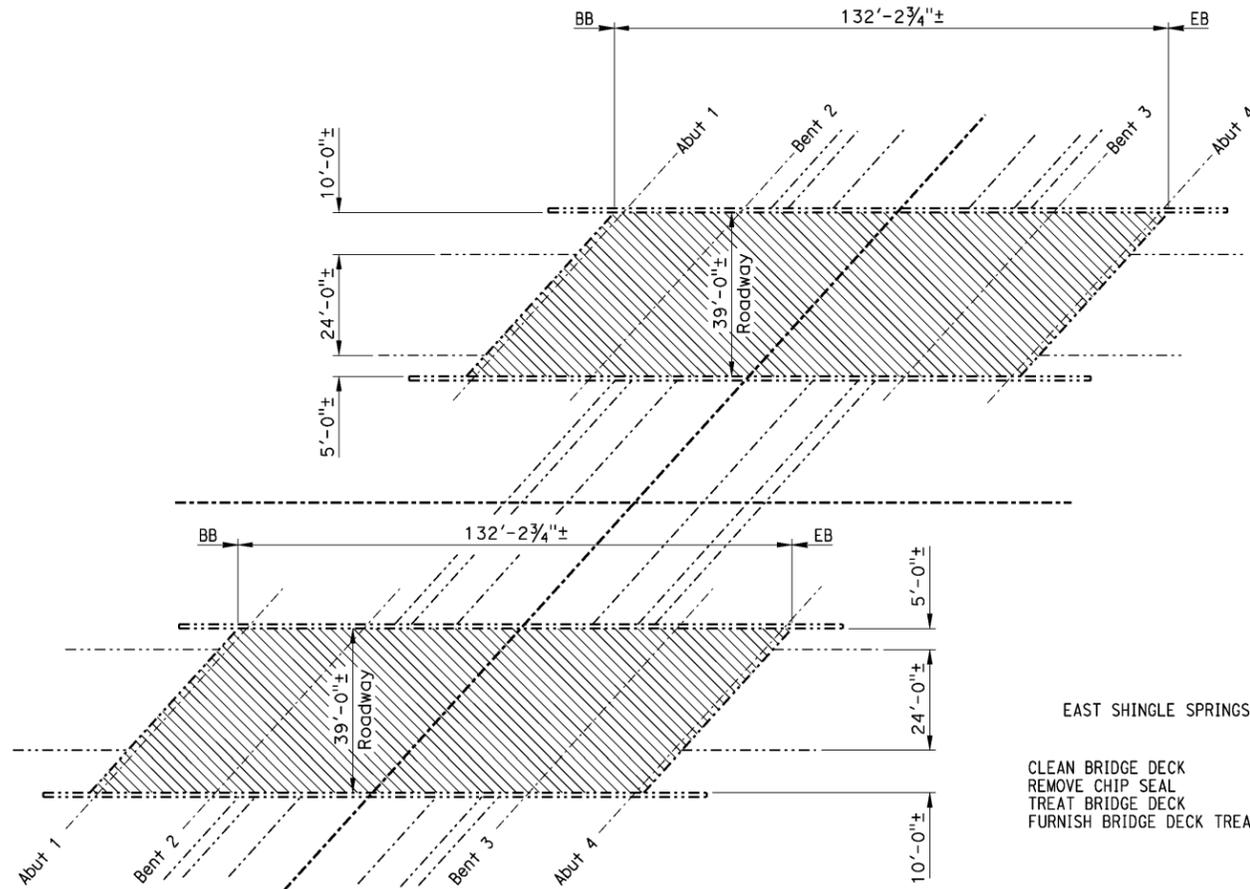
- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of clean and treat bridge deck with high molecular weight methacrylate.
  - Indicates limits of remove existing chip seal, clean and treat bridge deck with high molecular weight methacrylate.



**SOUTH FORK DRY CREEK**  
 BR NO. 19-0020, PLA, ROUTE 49, PM R8.09  
 1" = 20'



**NORTH FORK DRY CREEK**  
 BR NO. 19-0021, PLA, ROUTE 49, PM R9.45  
 1" = 20'



**EAST SHINGLE SPRINGS UC** BR NO.25-0078L/R

QUANTITIES

CLEAN BRIDGE DECK	10,304	SOFT
REMOVE CHIP SEAL	10,304	SOFT
TREAT BRIDGE DECK	10,304	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	140	GAL



**EAST SHINGLE SPRINGS UNDERCROSSING**  
 BR NO. 25-0078L/R, ED, ROUTE 50, PM R10.30  
 1" = 20'

DESIGN BY C. Hutchinson	CHECKED H. Dang	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS BY M. Hallstrom	CHECKED H. Dang	LAYOUT	BY M. Hallstrom
QUANTITIES BY C. Hutchinson	CHECKED H. Dang	SPECIFICATIONS	BY X

CHECKED H. Dang  
 PLANS AND SPECS COMPARED X

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS	<b>ROUTE 5, 16, 49, 50, 80, 113 BRIDGES</b>
POST MILE	VARIES	
		<b>GENERAL PLAN NO. 2</b>

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

UNIT: X  
 PROJECT NUMBER & PHASE: 0300020059 1 CONTRACT NO.: 03-4M1901

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
4-11-11	2	9

FILE => 03-4m1901\_02gp02.dgn

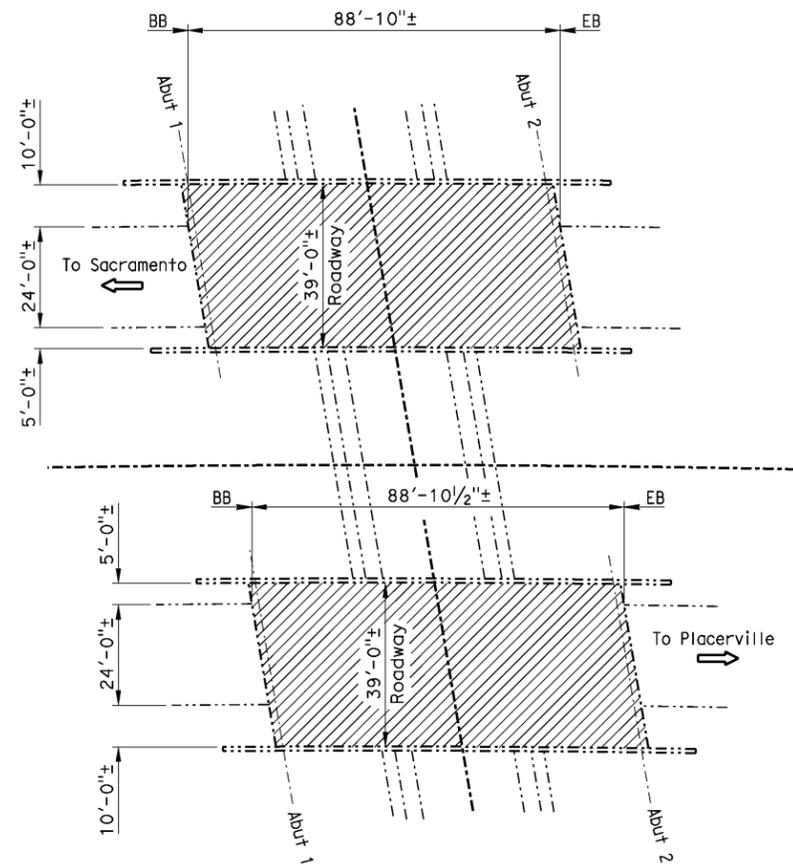
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED, PL, YOL, NE	5, 16, 49, 50, 80, 113	VARIOUS	15	21

Charles R. Hutchinson  
 REGISTERED CIVIL ENGINEER  
 DATE: 8-17-11  
 PLANS APPROVAL DATE: 12-12-11

REGISTERED PROFESSIONAL ENGINEER  
 CHARLES R. HUTCHINSON  
 No. C 54226  
 Exp. 12-31-12  
 CIVIL  
 STATE OF CALIFORNIA

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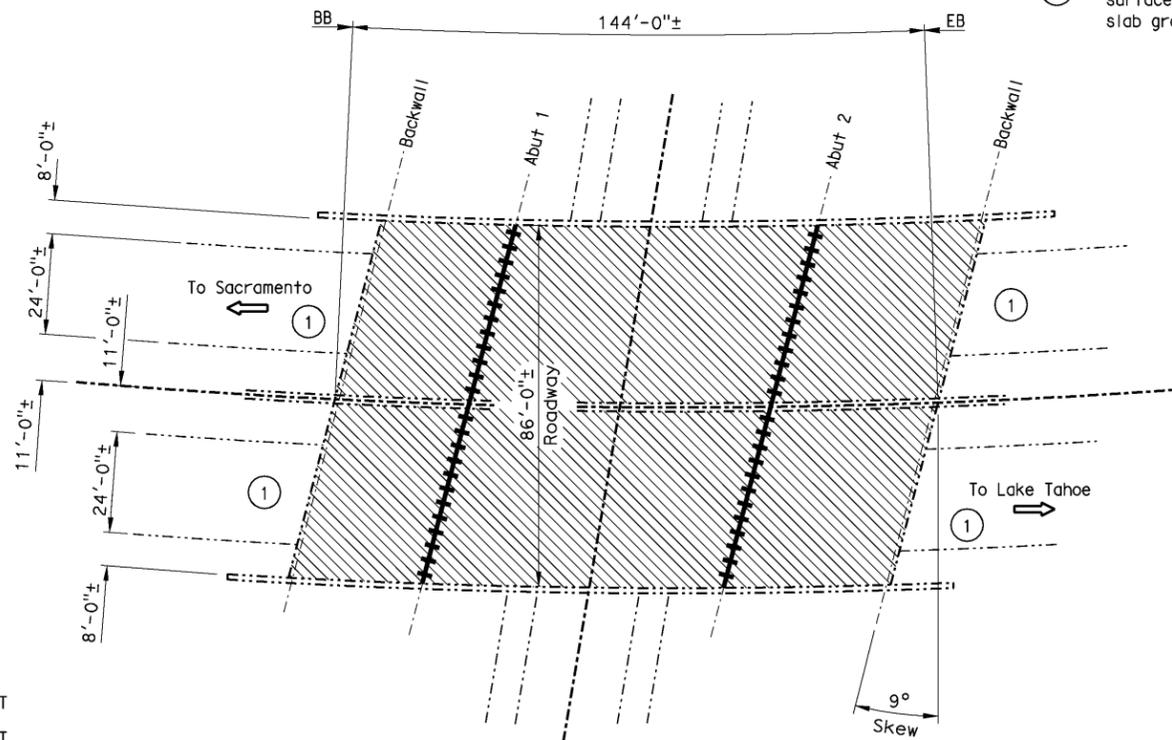
**GREENSTONE ROAD UNDERCROSSING**

BR NO. 25-0075L/R, ED, ROUTE 50, PM R12.19  
1" = 20'

GREENSTONE ROAD UC BR NO.25-0075L/R

QUANTITIES	
CLEAN BRIDGE DECK	6,926 SQFT
REMOVE CHIP SEAL	6,926 SQFT
TREAT BRIDGE DECK	6,926 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	78 GAL

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of remove chip seal, clean and treat bridge deck with high molecular weight methacrylate.
  - Indicates limits of remove 4"± AC surfacing and protective membrane, prepare bridge deck and place 1" polyester concrete overlay. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment.
  - Indicates location of remove joint seal, place new joint seal, and install Snow Plow Deflectors. For details, see JOINT SEAL & DECK REPAIR DETAILS and SNOW PLOW DEFLECTOR DETAILS sheet.
  - ① See "Road Plans" for remove existing pavement surface to conform to new deck or approach slab grades.



**SCHNELL ROAD UNDERCROSSING**

BR NO. 25-0063, ED, ROUTE 50, PM 19.12  
1" = 20'

SCHNELL ROAD UC BR NO.25-0063

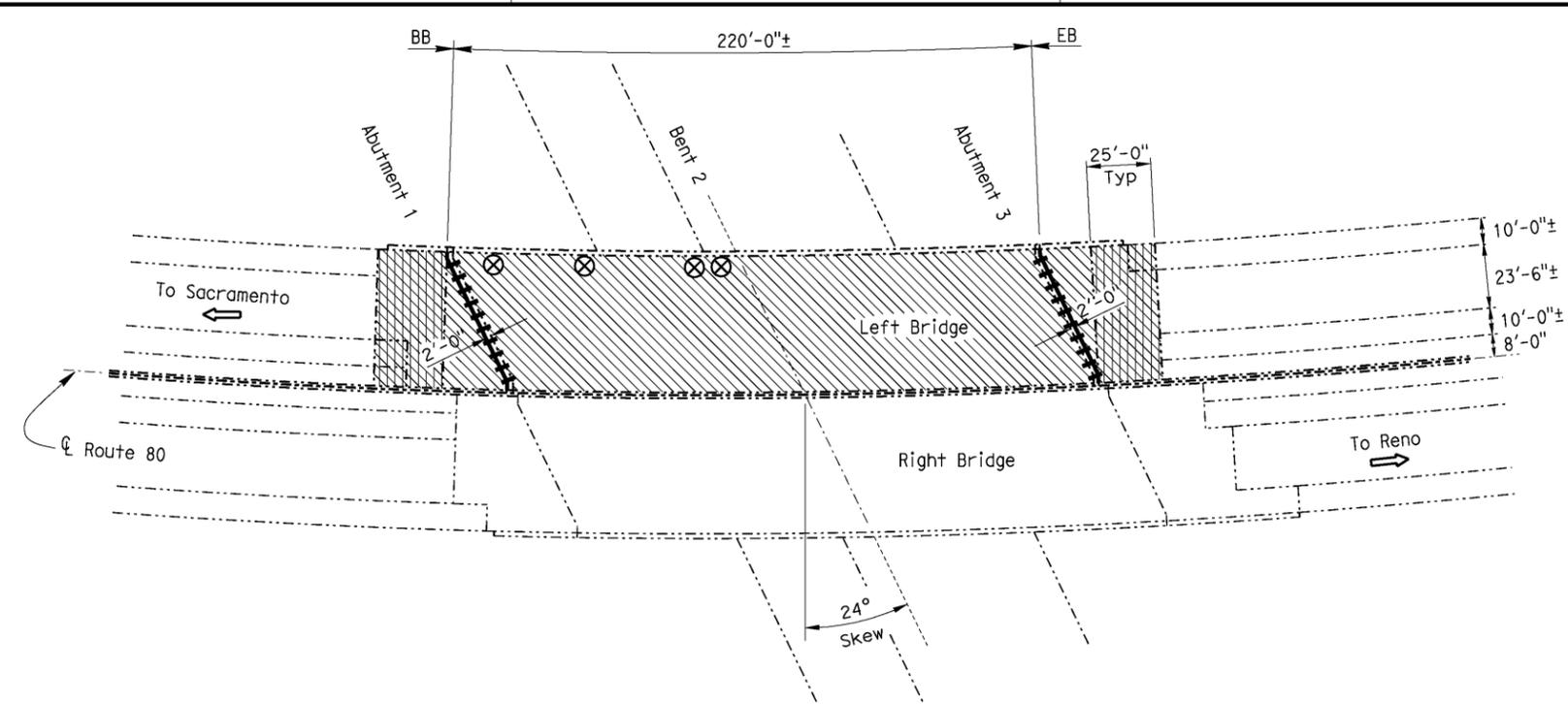
QUANTITIES	
REMOVE ASPHALT CONCRETE SURFACING	12,384 SQFT
REMOVE UNSOUND CONCRETE	31 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	12,384 SQFT
CLEAN EXPANSION JOINT	175 LF
RAPID SETTING CONCRETE (PATCH)	31 CF
FURNISH POLYESTER CONCRETE OVERLAY	2,476 CF
PLACE POLYESTER CONCRETE OVERLAY	12,384 SQFT
SNOWPLOW DEFLECTOR	34 EA
JOINT SEAL (MR $\frac{1}{2}$ "	175 LF

DESIGN BY: C. Hutchinson	CHECKED: H. Dang	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS BY: M. Hallstrom	CHECKED: H. Dang	LAYOUT BY: M. Hallstrom	CHECKED: H. Dang
QUANTITIES BY: C. Hutchinson	CHECKED: H. Dang	SPECIFICATIONS BY: X	PLANS AND SPECS COMPARED: X

<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	<b>ROUTE 5, 16, 49, 50, 80, 113 BRIDGES</b> <b>GENERAL PLAN NO. 3</b>
		POST MILE VARIES	

8-17-11 Michael J. Lee DESIGN ENGINEER	STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: X PROJECT NUMBER & PHASE: 0300020059 1 CONTRACT NO.: 03-4M1901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 3 OF 9
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FILE => 03-4m1901\_03gp03.dgn  
DATE PLOTTED => 05-DEC-2011  
TIME PLOTTED => 09:47  
USERNAME => s137477



**ROUTE 80/267/89 SEPARATION**

BR NO. 17-0099L, NEV, ROUTE 80, PM 16.6  
1" = 30'

ROUTE 80/267/89 SEPARATION QUANTITIES

REMOVE POLYESTER CONCRETE OVERLAY	14,430	SQFT
REMOVE UNSOUND CONCRETE	36	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	14,430	SQFT
CLEAN EXPANSION JOINT	113	LF
RAPID SETTING CONCRETE (PATCH)	36	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,442	CF
PLACE POLYESTER CONCRETE OVERLAY	14,430	SQFT
SNOWPLOW DEFLECTOR	22	EA
JOINT SEAL (MR 1 1/2")	113	LF

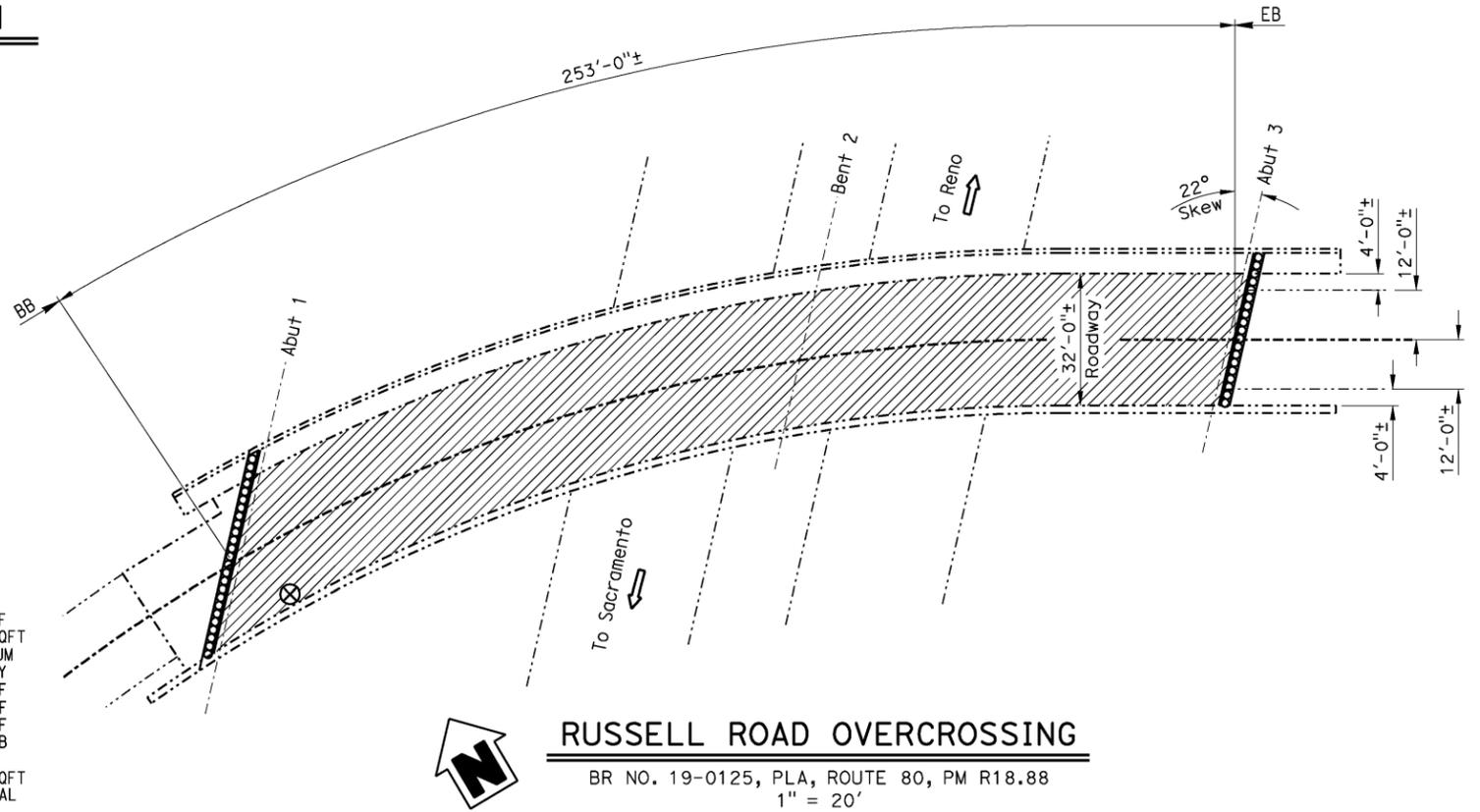
BR NO.17-0099L

**RUSSELL ROAD OC**

QUANTITIES

REMOVE UNSOUND CONCRETE	20	CF
CLEAN BRIDGE DECK	8,096	SQFT
BRIDGE REMOVAL (PORTION), LOCATION A	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE	4	CY
CLEAN EXPANSION JOINT	92	LF
RAPID SETTING CONCRETE (PATCH)	20	CF
JOINT SEAL (MR 1")	92	LF
BAR REINFORCING STEEL (EPOXY COATED) (BRIDGE)	740	LB
TREAT BRIDGE DECK	8,096	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	109	GAL

BR NO.19-0125



**RUSSELL ROAD OVERCROSSING**

BR NO. 19-0125, PLA, ROUTE 80, PM R18.88  
1" = 20'

**NOTES: (APPLY TO THIS SHEET ONLY)**

- Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment.
- Indicates limits of remove 3/4"± polyester concrete overlay, prepare bridge deck and place a new 1" polyester concrete overlay. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment. Retain existing blockouts and joint seals.
- Indicates location of conform taper. See ABUTMENT & APPROACH SLAB DETAILS sheet.
- Indicates location of remove joint seal and place new joint seal. Repair spalled concrete as directed by the Engineer. For details, see JOINT SEAL DETAILS & DECK REPAIR DETAILS sheet.
- Indicates location of remove concrete along edge of approach slab & retain existing steel. Place structural concrete to reconstruct joint. See "JOINT RECONSTRUCTION DETAIL" on ABUTMENT & APPROACH SLAB DETAILS sheet.
- Indicates location of down drains to be retained
- Indicates location of install snow plow deflectors.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED, PLA, YOL, NEV	5, 16, 49, 50, 80, 113	VARIOUS	16	21

REGISTERED CIVIL ENGINEER  
*Charles R. Hutchinson*  
 8-17-11 DATE  
 12-12-11 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 CHARLES R. HUTCHINSON  
 No. C 54226  
 Exp. 12-31-12  
 CIVIL  
 STATE OF CALIFORNIA

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8-17-11 <i>Michael J. Lee</i> DESIGN ENGINEER	DESIGN BY C. Hutchinson	CHECKED H. Dang	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	BRIDGE NO. VARIOUS	<b>ROUTE 5, 16, 49, 50, 80, 113 BRIDGES</b> <b>GENERAL PLAN NO. 4</b>
	DETAILS BY M. Hallstrom	CHECKED H. Dang	LAYOUT	CHECKED H. Dang		POST MILE VARIES	
	QUANTITIES BY C. Hutchinson	CHECKED H. Dang	SPECIFICATIONS	BY X		PLANS AND SPECS COMPARED X	

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT: X PROJECT NUMBER & PHASE: 0300020059 1 CONTRACT NO.: 03-4M1901

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
4-11-11	4	9

FILE => 03-4m1901\_04gp04.dgn

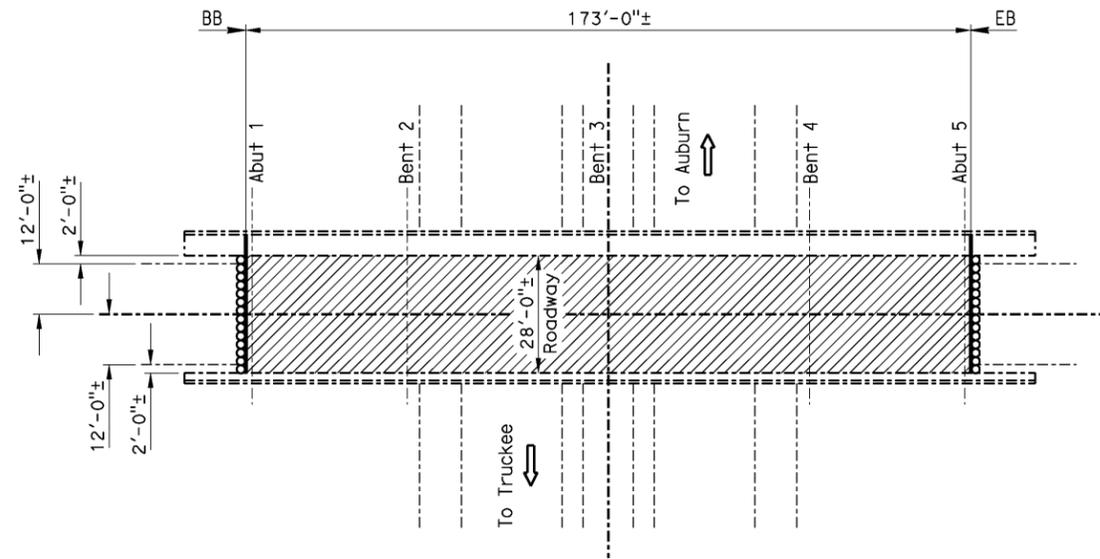
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED, PLA, YOL, NEV	5, 16, 49, 80, 80, 113	VARIOUS	17	21

Charles R. Hutchinson  
 REGISTERED CIVIL ENGINEER  
 DATE: 8-17-11  
 PLANS APPROVAL DATE: 12-12-11

REGISTERED PROFESSIONAL ENGINEER  
 CHARLES R. HUTCHINSON  
 No. C 54226  
 Exp. 12-31-12  
 CIVIL  
 STATE OF CALIFORNIA

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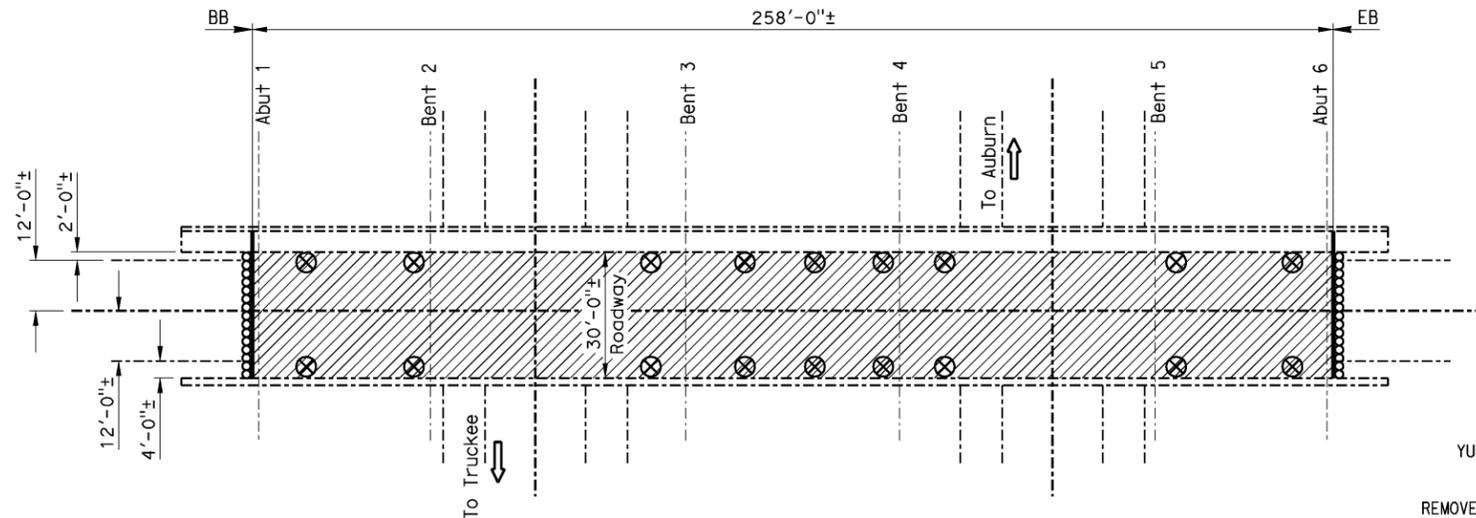
MONTE VISTA OC

BR NO.19-0110

QUANTITIES		
REMOVE ASPHALT CONCRETE SURFACING	4,844	SOFT
REMOVE UNSOUND CONCRETE	12	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	4,844	SOFT
CLEAN EXPANSION JOINT	71	LF
RAPID SETTING CONCRETE (PATCH)	12	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,212	CF
PLACE POLYESTER CONCRETE OVERLAY	4,844	SOFT
POLYESTER CONCRETE EXPANSION DAM	12	CF
JOINT SEAL (MR 1")	71	LF

**MONTE VISTA OVERCROSSING**  
 BR NO. 19-0110, PLA, ROUTE 80, PM 43.17  
 1" = 20'

- NOTES:** (APPLY TO THIS SHEET ONLY)
- Indicates limits of remove 3"± AC overlay and protective membrane, prepare bridge deck and place new 3" polyester concrete overlay. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment.
  - Indicates location of remove joint seal and place new joint seal. Repair spalled concrete as directed by the Engineer. For details, see JOINT SEAL DETAILS & DECK REPAIR DETAILS sheet.
  - Indicates location of remove and rebuild expansion dam. The rebuilding of expansion dam is on the roadway side of joint only. see JOINT SEAL DETAILS & DECK REPAIR DETAILS sheet.
  - Indicates approximate location of existing down drains to be preserved.



YUBA GAP OC

BR NO.17-0070

QUANTITIES		
REMOVE ASPHALT CONCRETE SURFACING	7,740	SOFT
REMOVE UNSOUND CONCRETE	19	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	7,740	SOFT
CLEAN EXPANSION JOINT	72	LF
RAPID SETTING CONCRETE (PATCH)	19	CF
FURNISH POLYESTER CONCRETE OVERLAY	2,322	CF
PLACE POLYESTER CONCRETE OVERLAY	7,740	SOFT
POLYESTER CONCRETE EXPANSION DAM	30	CF
JOINT SEAL (MR 1")	72	LF

**YUBA GAP OVERCROSSING**  
 BR NO. 17-0070, NEV, ROUTE 80, PM R58.84  
 1" = 20'

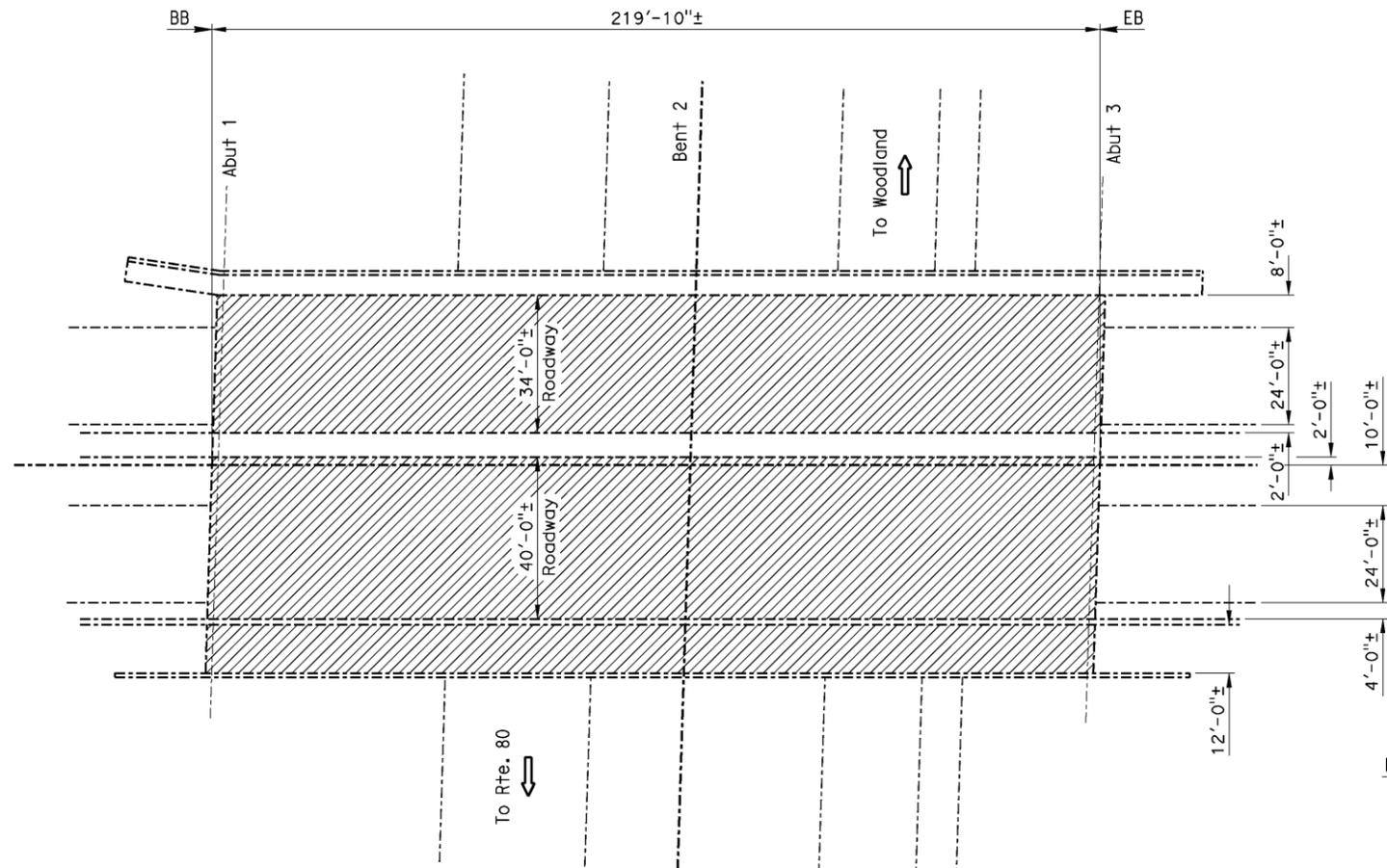
DESIGN BY: C. Hutchinson	CHECKED: H. Dang	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS BY: M. Hallstrom	CHECKED: H. Dang	LAYOUT BY: M. Hallstrom	CHECKED: H. Dang
QUANTITIES BY: C. Hutchinson	CHECKED: H. Dang	SPECIFICATIONS BY: X	PLANS AND SPECS COMPARED: X

**STATE OF CALIFORNIA**  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF MAINTENANCE  
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS	<b>ROUTE 5, 16, 49, 50, 80, 113 BRIDGES</b>
POST MILE	VARIES	
<b>GENERAL PLAN NO. 5</b>		

USERNAME => s137477 DATE PLOTTED => 05-DEC-2011 TIME PLOTTED => 09:47

DIST	COUNTY	ROUTE	POST MILES	SHEET	TOTAL
03	ED, PLA YOL, NEV	5, 16, 49, 50, 80, 113	VARIOUS	18	21
Charles R. Hutchinson REGISTERED CIVIL ENGINEER			8-17-11 DATE		
12-12-11			PLANS APPROVAL DATE		
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**RUSSEL BOULEVARD OVERCROSSING**

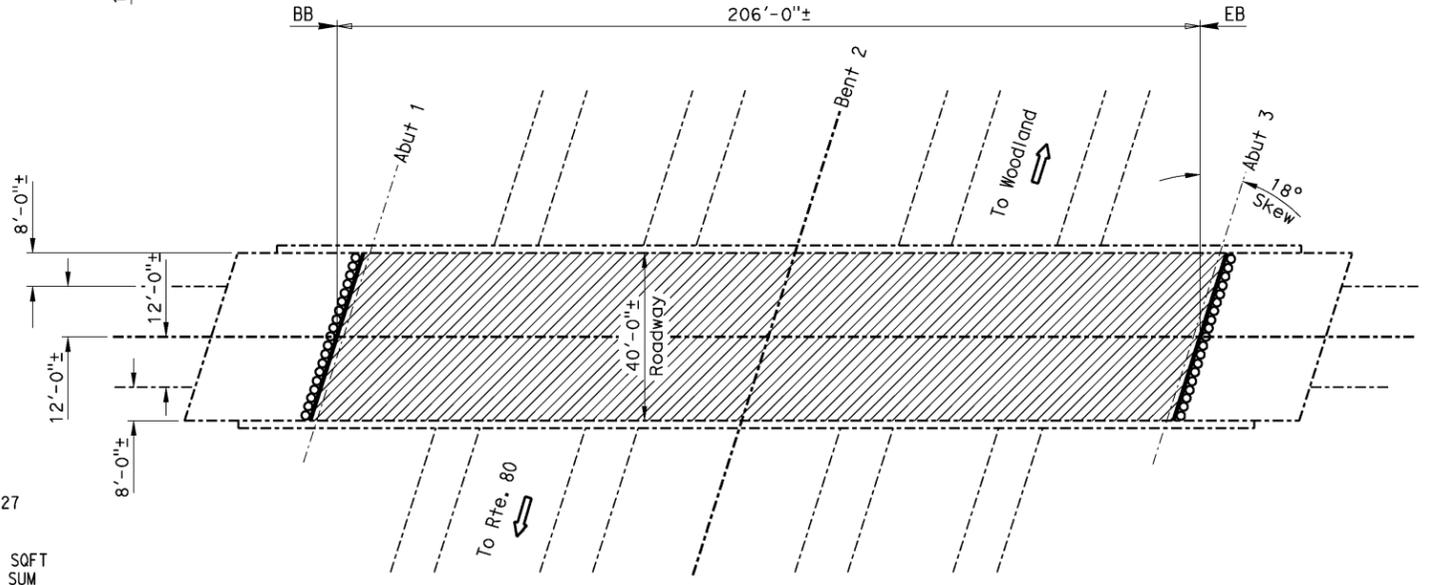
BR NO. 22-0071, YOL, ROUTE 113, PM R1.08  
1" = 20'

RUSSEL BOULEVARD OC BR NO.22-0071

QUANTITIES

CLEAN BRIDGE DECK	20,148	SOFT
TREAT BRIDGE DECK	20,148	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	225	GAL

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of clean and treat bridge deck with high molecular weight methacrylate.
  - Indicates location of remove joint seal and place new joint seal. Repair spalled concrete as directed by the Engineer. For details, see JOINT SEAL DETAILS & DECK REPAIR DETAILS sheet.
  - Indicates location of remove concrete along edge of approach slab & retain existing steel. Place structural concrete to reconstruct joint. See "JOINT RECONSTRUCTION DETAIL" on ABUTMENT & APPROACH SLAB DETAILS sheet.



**COUNTY ROAD 25A OVERCROSSING**

BR NO. 22-0127, YOL, ROUTE 113, PM R7.66  
1" = 20'

COUNTY RD 25A OC BR NO.22-0127

QUANTITIES

CLEAN BRIDGE DECK	8,240	SOFT
BRIDGE REMOVAL (PORTION), LOCATION B	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE	4	CY
CLEAN EXPANSION JOINT	85	LF
JOINT SEAL (MR 1")	85	LF
BAR REINFORCING STEEL (EPOXY COATED) (BRIDGE)	835	LB
TREAT BRIDGE DECK	8,240	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	92	GAL

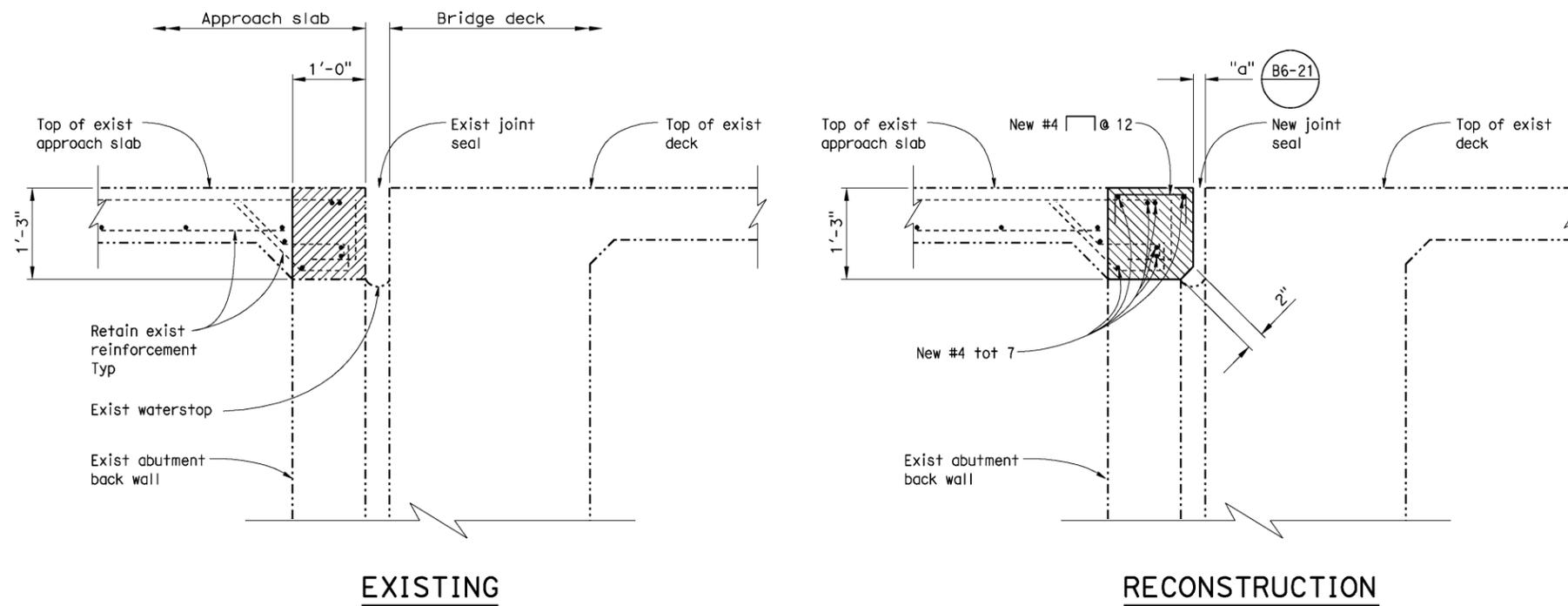
DESIGN BY C. Hutchinson	CHECKED H. Dang	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS BY M. Hallstrom	CHECKED H. Dang	LAYOUT	CHECKED H. Dang
QUANTITIES BY C. Hutchinson	CHECKED H. Dang	SPECIFICATIONS	BY X PLANS AND SPECS COMPARED X

<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	<b>ROUTE 5, 16, 49, 50, 80, 113 BRIDGES</b> <b>GENERAL PLAN NO. 6</b>
		VARIOUS	
		POST MILE	
		VARIES	

8-17-11 DESIGN ENGINEER <i>Michael J. Lee</i>	STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: X PROJECT NUMBER & PHASE: 0300020059 1 CONTRACT NO.: 03-4M1901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 4-11-11	SHEET 6 OF 9
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FILE => 03-4m1901\_06gp06.dgn  
DATE PLOTTED => 05-DEC-2011  
TIME PLOTTED => 09:47  
USERNAME => s137477

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED, PLA, YOL, NEV	5, 16, 49, 50, 80, 113	VARIOUS	19	21
 REGISTERED CIVIL ENGINEER			8-17-11	DATE	
PLANS APPROVAL DATE 12-12-11					
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**JOINT RECONSTRUCTION DETAIL**

1" = 1'-0"  
(For Bridge 19-0125 & 22-0127)

NOTES: (APPLY TO THIS SHEET ONLY)

-  Indicates limits of remove existing concrete.
-  Indicates limits of replace concrete.

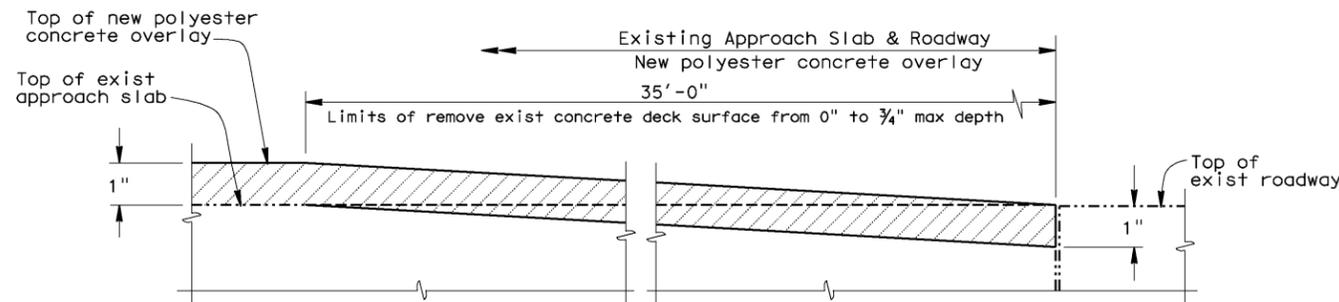
"a" Reconstruct gap width as determined by the Engineer.

All new rebar to be epoxy coated.

TEMPORARY DECK PLATE		
MOMENT DEMAND/FOOT ( $\frac{\text{kip-ft}}{\text{ft}}$ )	BOLT SHEAR/FOOT ( $\frac{\text{kip}}{\text{ft}}$ )	BOLT TENSION (Kip)
16	9	10

NOTES:

1. Plate deflection shall not exceed  $s/300$ . (s = span [FT])
2. Minimum plate thickness shall be equal or greater than  $\frac{1}{8}$ ".
3. Maximum anchorage spacing shall not exceed 9".
4. Anchorage washer shall be neoprene or similar.



**CONFORM TAPER DETAIL**

NO SCALE  
(For Bridge 17-0099L)

**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:  $f_y = 60,000$  psi  
 $f'_c = 3600$  psi  
 $n = 8$

DESIGN	BY C. Hutchinson	CHECKED H. Dang
DETAILS	BY M. Hallstrom	CHECKED H. Dang
QUANTITIES	BY C. Hutchinson	CHECKED H. Dang

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

**ROUTE 5, 16, 49, 50, 80, 113 BRIDGES**  
**ABUTMENT & APPROACH SLAB DETAILS**

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

UNIT: X  
PROJECT NUMBER & PHASE: 0300020059 1

CONTRACT NO.: 03-4M1901

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
5-11-11	7	9

FILE => 03-4m1901\_07gp07.dgn

USERNAME => s137477 DATE PLOTTED => 05-DEC-2011 TIME PLOTTED => 09:47

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED, PLA, YOL, NEV	5, 16, 49, 80, 113	VARIOUS	20	21

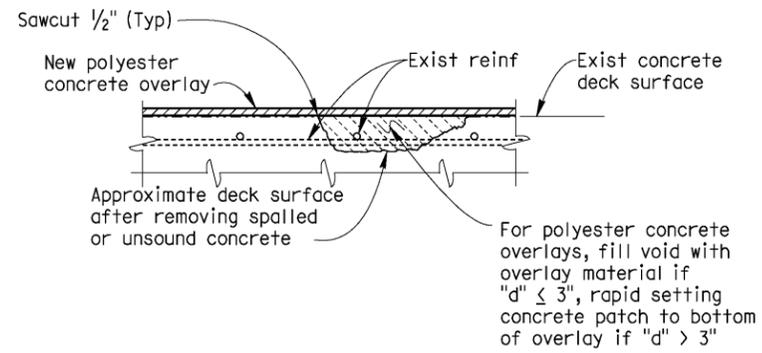
REGISTERED CIVIL ENGINEER  
 CHARLES R. HUTCHINSON  
 No. C 54226  
 Exp. 12-31-12  
 CIVIL  
 STATE OF CALIFORNIA

8-17-11 DATE  
 12-12-11 PLANS APPROVAL DATE

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### JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION	MINIMUM "MR" (inches)	APPROXIMATE LENGTH (feet)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXPANSION JOINT (inches)
RUSSELL ROAD OVERCROSSING	19-0125	Abut 1 BW	1	54.0	No	12.0
		Abut 3 BW	1	41.0	No	12.0
MONTE VISTA OVERCROSSING	19-0110	Abut 1 BW	1	35.5	No	12.0
		Abut 5 BW	1	35.5	No	12.0
SCHNELL ROAD UNDERCROSSING	25-0063	Abut 1 BW	1/2 *	88.0	No	12.0
		Abut 2 BW	1/2 *	88.0	No	12.0
YUBA GAP OVERCROSSING	17-0070	Abut 1 BW	1	36.0	No	12.0
		Abut 6 BW	1	36.0	No	12.0
COUNTY ROAD 25A OVER CROSSING	19-0110	Abut 1 BW	1	42.5	No	12.0
		Abut 3 BW	1	42.5	No	12.0
ROUTE 80/267/89 SEPARATION	17-0099	Abut 1 BW	1 1/2	112.6	No	12.0
		Abut 3 BW	1 1/2	112.6	No	12.0

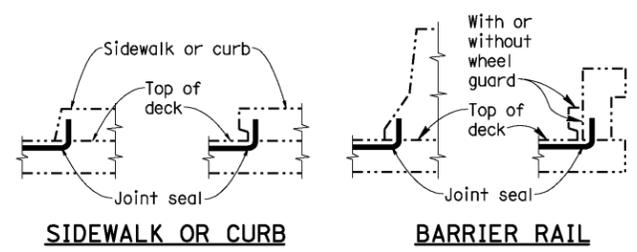


**DECK REPAIR DETAIL**  
 Reinforcement may be encountered during deck concrete removal.  
 NO SCALE

### DECK REPAIR TABLE

BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)	REMOVE UNSOUND CONCRETE APPROX. (CF)	RAPID SETTING CONCRETE PATCH APPROX. (CF)
YUBA GAP OVERCROSSING	17-0070	1	3	19	19
SCHNELL ROAD UNDERCROSSING	25-0063	1	3	31	31
ROUTE 80/267/89 SEPARATION	17-0099L	1	3	36	36
MONTE VISTA OVERCROSSING	19-0110	1	3	12	12
RUSSEL ROAD OVERCROSSING	19-0125	1	3	20	20

LEGEND:  
 BW = Backwall  
 \* = Must be compression seal



**JOINT SEAL AT LOW SIDE OF DECK**  
 Details shown for illustration purposes only. For use only where deck joint matches the barrier rail joint.  
 NO SCALE

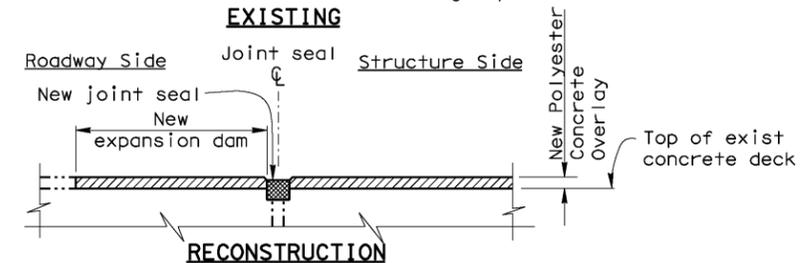
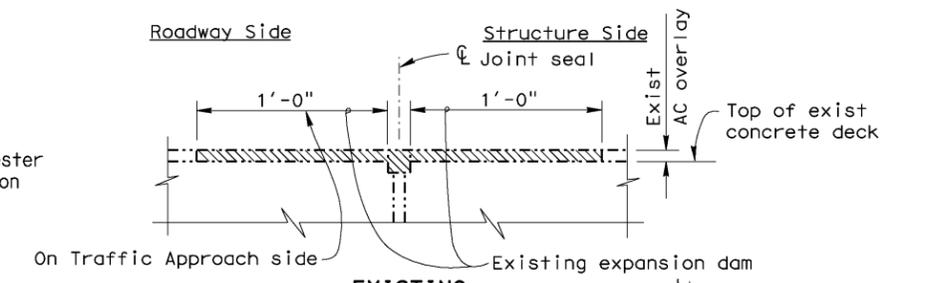
The following note applies to JOINT SEAL TYPE A:  
 Install Type A joint seal 3" up into curb or rail on the low side of the deck where joint matches curb or rail joint. For details not shown see RSP B6-21

The following notes apply to JOINT SEAL TYPE B:

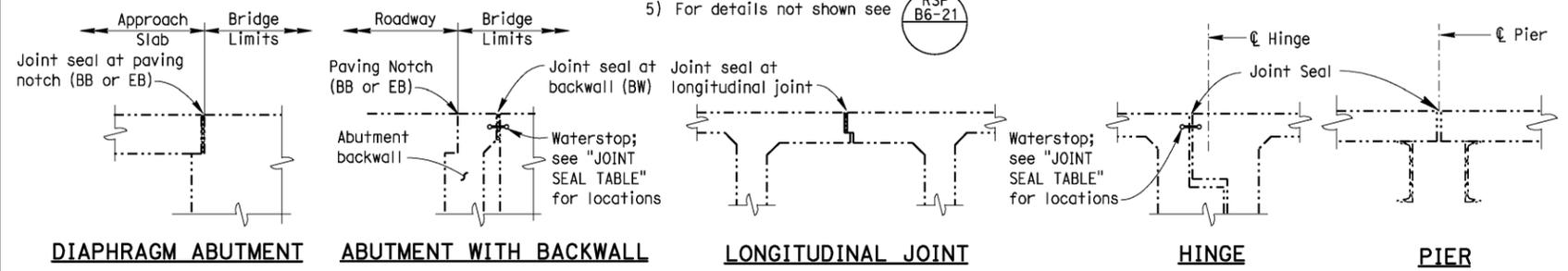
- Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
- Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.
- W1 shall be the smaller of the values determined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

Notes:

- Indicates existing structure.
- Indicates limits of existing joint seal, expansion dam and AC surfacing removal.
- Indicates limits of new polyester concrete overlay and expansion dam.



**ABUTMENT JOINT DETAIL**  
 Applies to bridges 19-0110 and 17-0070  
 NO SCALE



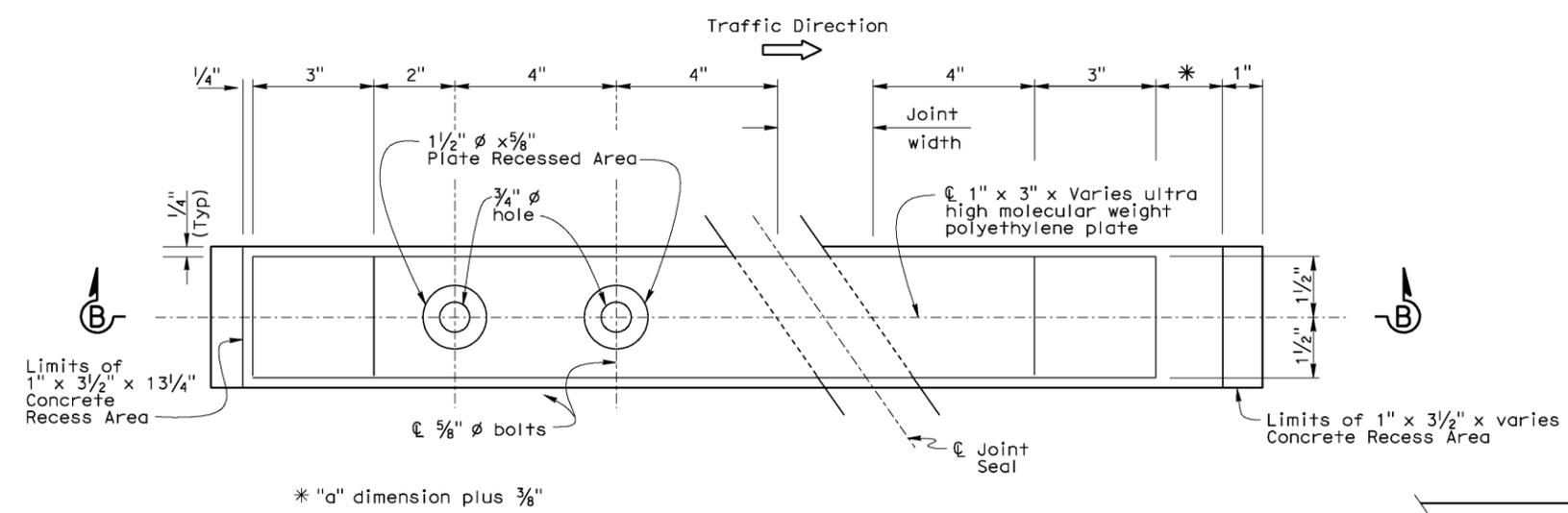
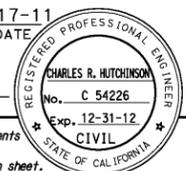
**JOINT SEAL LOCATION**  
 NO SCALE

DESIGN BY C. Hutchinson	CHECKED H. Dang	STATE OF CALIFORNIA	DIVISION OF MAINTENANCE	BRIDGE NO.	ROUTE 5, 16, 49, 50, 80, 113 BRIDGES
				DETAILS BY M. Hallstrom	
QUANTITIES BY C. Hutchinson	CHECKED H. Dang	DEPARTMENT OF TRANSPORTATION	STRUCTURE MAINTENANCE DESIGN	POST MILE VARIES	<b>JOINT SEAL AND DECK REPAIR DETAILS</b>

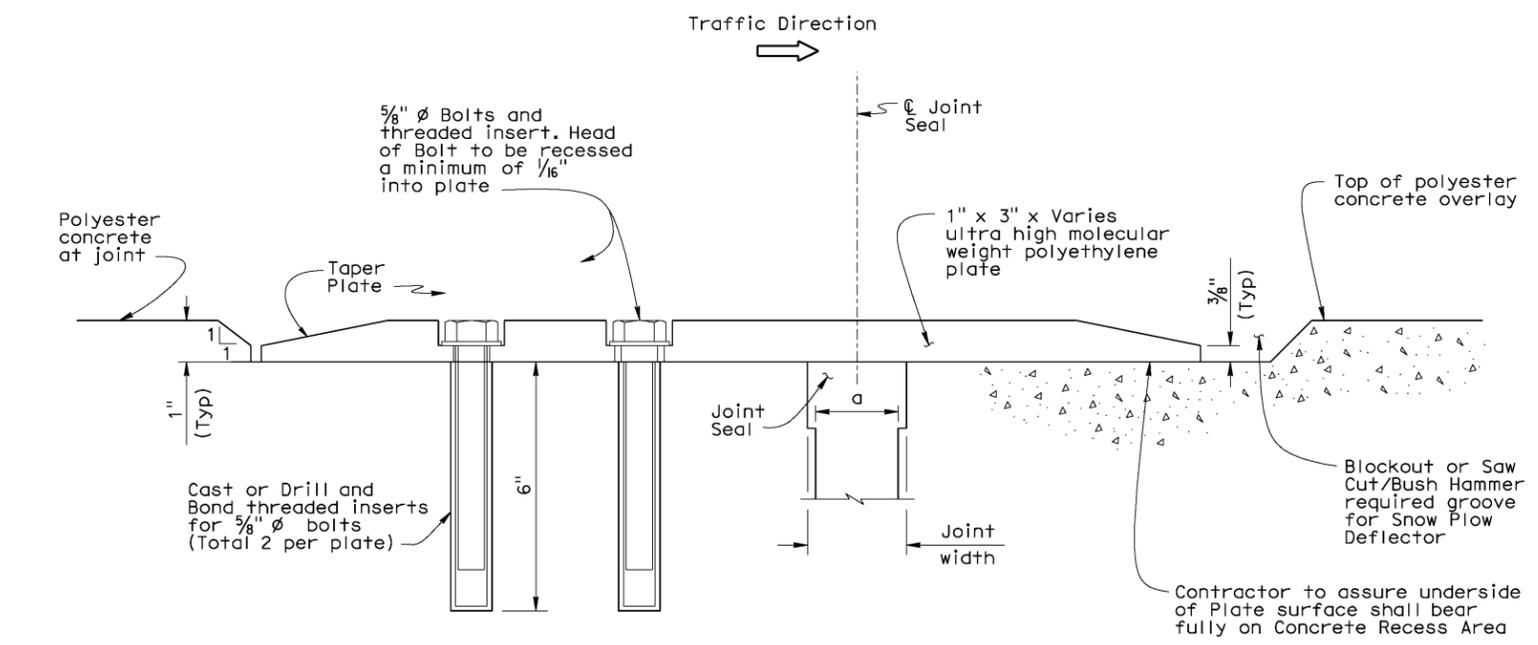
STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT: X PROJECT NUMBER & PHASE: 0300020059 1 CONTRACT NO.: 03-4M1901 DISREGARD PRINTS BEARING EARLIER REVISION DATES 4-11-11 SHEET 8 OF 9

USERNAME => 8137417 DATE PLOTTED => 05-DEC-2011 TIME PLOTTED => 09:47

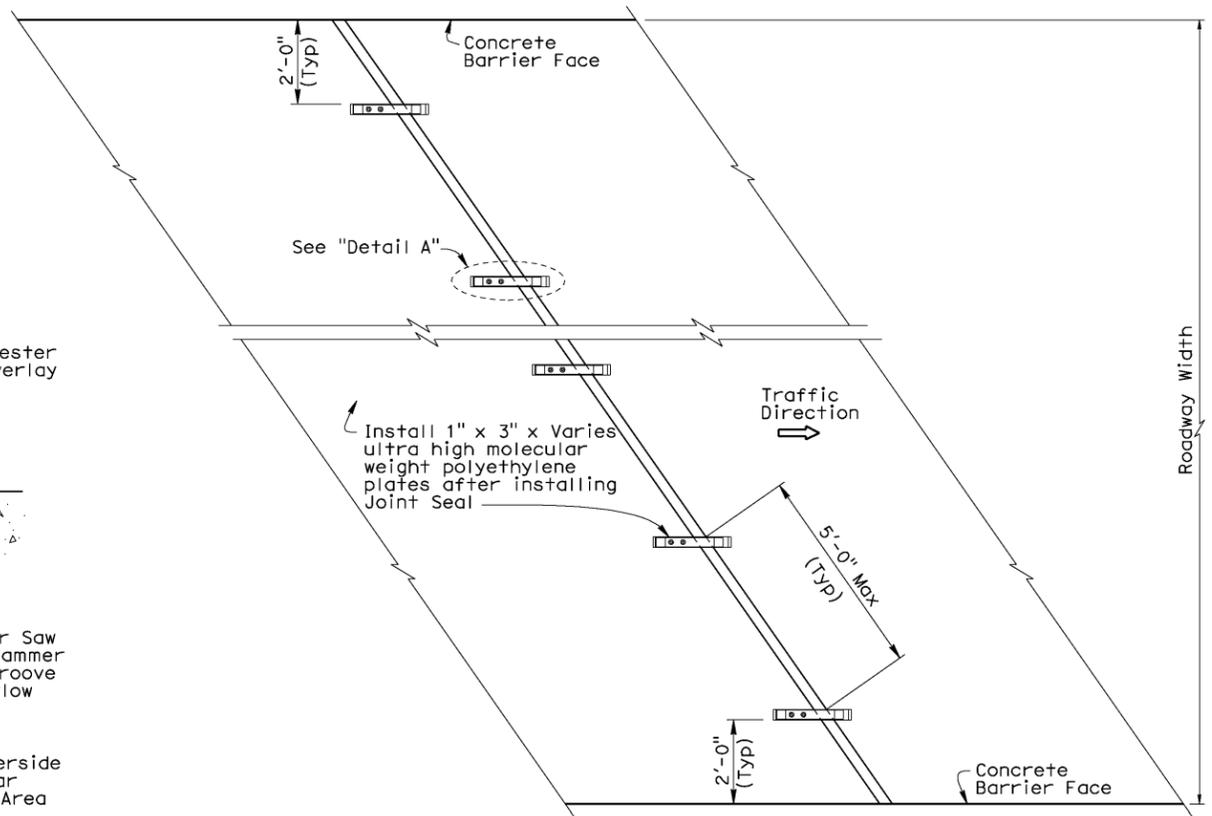
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED, PLA, YOL, NE	5, 16, 49, 50, 80, 113	VARIOUS	21	21
<i>Charles R. Hutchinson</i> REGISTERED CIVIL ENGINEER			8-17-11	DATE	
12-12-11 PLANS APPROVAL DATE					
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**DETAIL A**  
6"=1'-0"



**SECTION B-B**  
6"=1'-0"



**SNOW PLOW DEFLECTOR PLAN**  
1/2"=1'-0"  
(Applies to bridges 25-0063 & 17-0099L)

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

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY: C. Hutchinson	CHECKED: H. Dang	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE <b>STRUCTURE MAINTENANCE DESIGN</b>	BRIDGE NO.	<b>ROUTE 5, 16, 49, 50, 80, 113 BRIDGES</b>
	DETAILS	BY: M. Hallstrom	CHECKED: H. Dang			VARIOUS	
	QUANTITIES	BY: C. Hutchinson	CHECKED: H. Dang			VARIES	
				UNIT: X	PROJECT NUMBER & PHASE: 0300020059 1	CONTRACT NO.: 03-4M1901	DISREGARD PRINTS BEARING EARLIER REVISION DATES
				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	REVISION DATES	SHEET 9 OF 9

USERNAME => 8137417 DATE PLOTTED => 05-DEC-2011 TIME PLOTTED => 09:47