

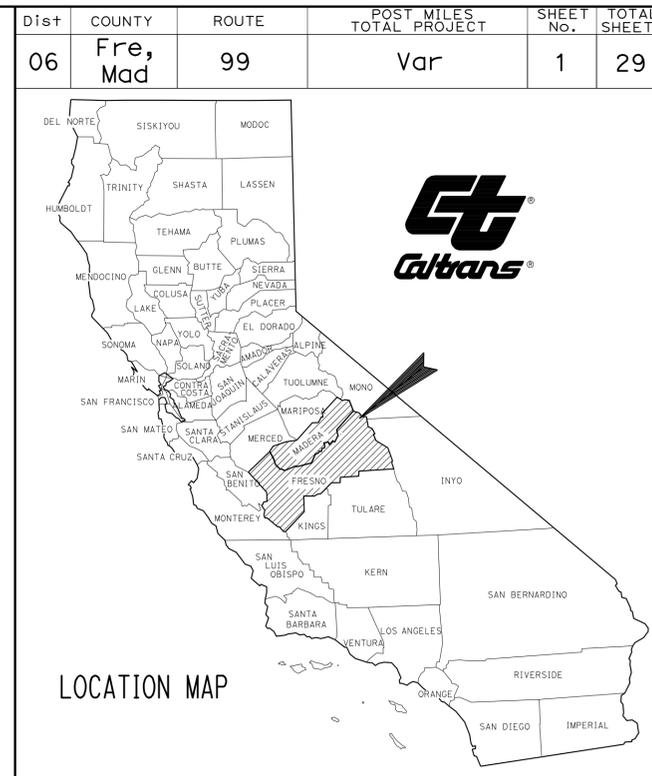
INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-3	CONSTRUCTION AREA SIGNS
4	SUMMARY OF QUANTITIES
5-9	REVISED AND NEW STANDARD PLANS
10-29	STRUCTURES GENERAL PLANS

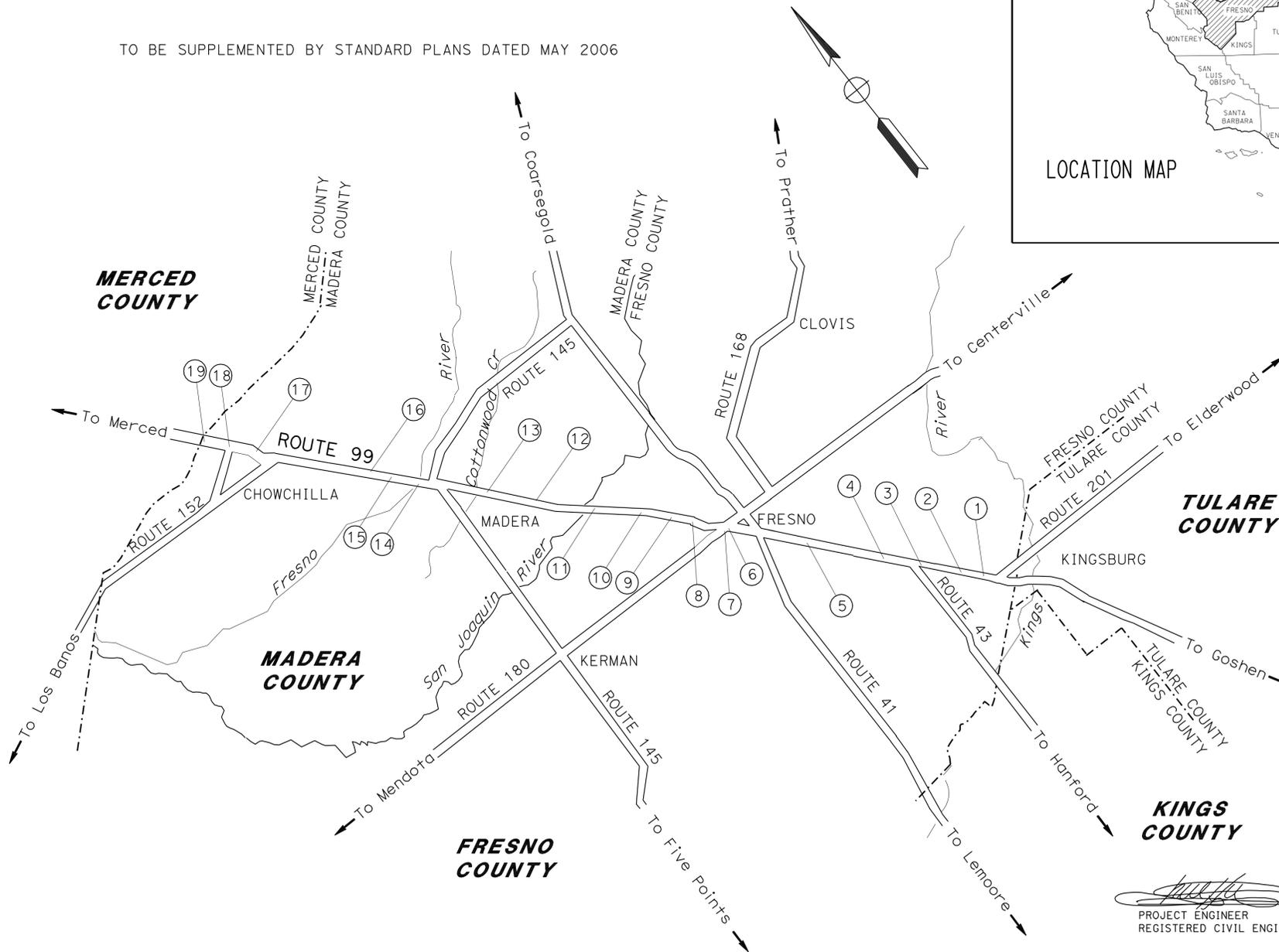
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PROJECT PLANS FOR CONSTRUCTION ON  
STATE HIGHWAY**  
**IN FRESNO AND MADERA COUNTIES**  
**AT**  
**VARIOUS LOCATIONS**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION				
Loc	COUNTY	PM	DESCRIPTION	BRIDGE No.
①	Fre	R2.06	BETHEL AVENUE OC (METHACRYLATE)	42-0223
②	Fre	R3.74	MOUNTAIN VIEW OC (METHACRYLATE, POLYESTER OVERLAY)	42-0219
③	Fre	6.50	FLORAL AVENUE UC (METHACRYLATE)	42-0200K
④	Fre	9.16	MANNING AVENUE OC (JOINT SEALS, CHANGE TYPE)	42-0201
⑤	Fre	14.51	AMERICAN AVENUE UC (JOINT SEALS)	42-0205
⑥	Fre	20.06	Rte 99 SB OFF-RAMP/Rte 99 Sep (JOINT SEALS)	42-0218K
⑦	Fre	20.46	KERN STREET OC (METHACRYLATE, JOINT SEALS)	42-0159
⑧	Fre	22.74	BELMONT AVENUE OC (METHACRYLATE, JOINT SEALS)	42-0186
⑨	Fre	24.42	FRESNO YARD OC (METHACRYLATE, JOINT SEALS)	42-0191Y
⑩	Fre	26.55	ASHLAN AVENUE OC (METHACRYLATE)	42-0140
⑪	Fre	30.99	HERNDON OFF-RAMP/Sep (METHACRYLATE)	42-0126K
⑫	Mad	R3.56	AVENUE 9 OC (METHACRYLATE)	41-0063
⑬	Mad	R7.28	COTTONWOOD CREEK BRIDGE (METHACRYLATE)	41-0065S
⑭	Mad	11.65	FRESNO RIVER BRIDGE (JOINT SEALS)	41-0052
⑮	Mad	12.75	AVENUE 16 OC (JOINT SEALS)	41-0058
⑯	Mad	R16.10	DRY CREEK BRIDGE (JOINT SEALS)	41-0005R
⑰	Mad	24.78	BERENDA SLOUGH BRIDGE (METHACRYLATE, JOINT SEALS)	41-0044R
⑱	Mad	26.80	ASH SLOUGH BRIDGE (METHACRYLATE)	41-0045R
⑲	Mad	29.33	CHOWCHILLA RIVER BRIDGE (METHACRYLATE, JOINT SEALS)	41-0001



PROJECT MANAGER  
**FRANK GONZALEZ**  
  
DESIGN ENGINEER  
**FRANK GONZALEZ**

PROJECT ENGINEER  
 REGISTERED CIVIL ENGINEER  
 DATE 02-15-11  
**February 13, 2012**  
 PLANS APPROVAL DATE  
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



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

NO SCALE

CONTRACT No.	<b>06-OK4204</b>
PROJECT ID	<b>0600020108</b>

DATE PLOTTED => 14-FEB-2012 TIME PLOTTED => 10:48  
LAST REVISION 12-05-11

## STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
(A)	W20-1	36" x 36"	ROAD WORK AHEAD	1 - 4" x 6"	50
(B)	G20-1	36" x 18"	END ROAD WORK	1 - 4" x 4"	31

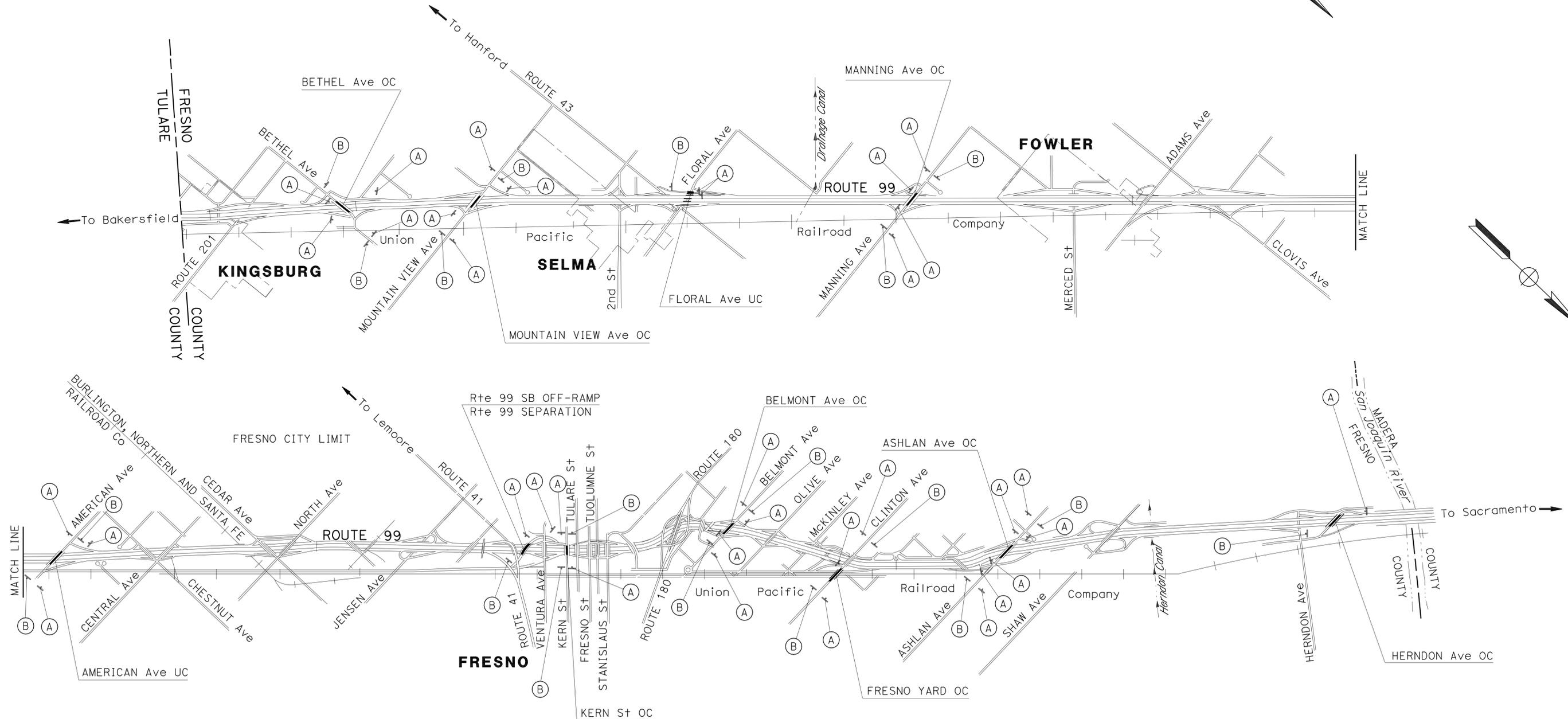
NOTE: EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre, Mad	99	Var	2	29

REGISTERED CIVIL ENGINEER  
 DATE 12-21-10

2-13-12  
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.



CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

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

LAST REVISION: DATE PLOTTED => 11-FEB-2012    TIME PLOTTED => 10:48

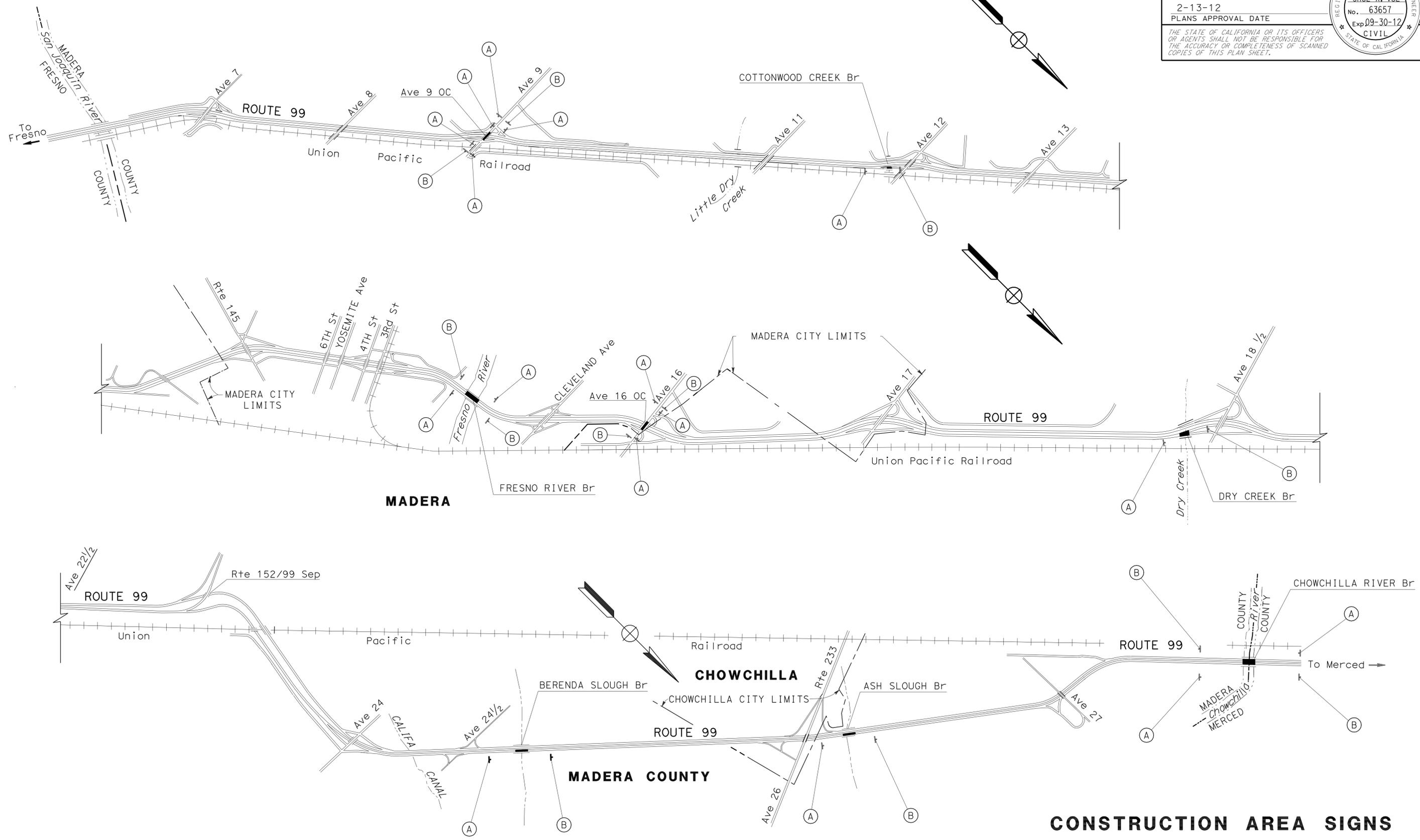
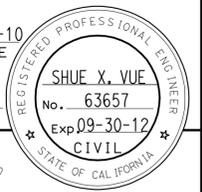
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre, Mad	99	Var	3	29

REGISTERED CIVIL ENGINEER	DATE
12-21-10	
PLANS APPROVAL DATE	
2-13-12	

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.



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

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** MAINTENANCE DESIGN  
FUNCTIONAL SUPERVISOR: FRANK GONZALEZ  
RENE SIQUEIROS  
SHUE VUE  
REVISOR: SHUE VUE  
DATE: 12-21-10  
DATE: 2-13-12

USERNAME => s118789  
DGN FILE => 60K4201a002.dgn



UNIT 1594

PROJECT NUMBER & PHASE

06000201081

LAST REVISION: 12-13-11  
DATE PLOTTED: 11-FEB-2012  
TIME PLOTTED: 10:48

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre, Mad	99	Var	4	29


 07-29-11  
 REGISTERED CIVIL ENGINEER DATE

2-13-12  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 SHUE X. VUE  
 No. 63657  
 Exp. 09-30-12  
 CIVIL  
 STATE OF CALIFORNIA

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

**PAVEMENT DELINEATION QUANTITIES**

Loc	DETAIL No.	PAVEMENT MARKER (RETROREFLECTIVE)			THERMOPLASTIC TRAFFIC STRIPE			REMOVE PAVEMENT MARKER (N)	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC PAVEMENT MARKING				
		TYPE D (YELLOW TWO WAY)	TYPE G (CLEAR ONE WAY)	TYPE H (YELLOW ONE WAY)	4" SOLID	4" (BROKEN 36 - 12)	8" SOLID				EA	LF	LF	DESCRIPTION	SQFT	DESCRIPTION	SQFT
		EA	EA	EA	LF	LF	LF				EA	LF	LF				
①	22	28			620			320		620							
②	22	26			540					540							
③	25A			8	150					150							
	27B				150						150						
⑦	22	14			250					250							
⑧	12		10			420					110						
	22	20			420					420							
⑨	12		10			420					110						
	29	20			840					840							
⑩	12		17			740				190	2-TYPE IV (L) ARROW	30	2-TYPE IV (L) ARROW	30			
	38		17				370			740							
⑪	25A			19	420					420							
	27B				420						420						
⑫	22	26			580					580							
⑬	25A			13	280					280							
	27B				280						280						
⑰	12		10			400					100						
	25A			18	400					400							
	27B				400						400						
⑱	12		11			430				110							
	25A			19	430					430							
⑲	27B				430					430							
	12		6			230				60							
⑲	25A			11	230					230							
	27B				230						230						
SUBTOTAL		134	81	88													
TOTAL			303		7070	2640	370			5160	3330	30			30		

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

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

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

LAST REVISION DATE PLOTTED => 11-FEB-2012  
 01-19-12 TIME PLOTTED => 10:48

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre, Mad	99	Var	5	29

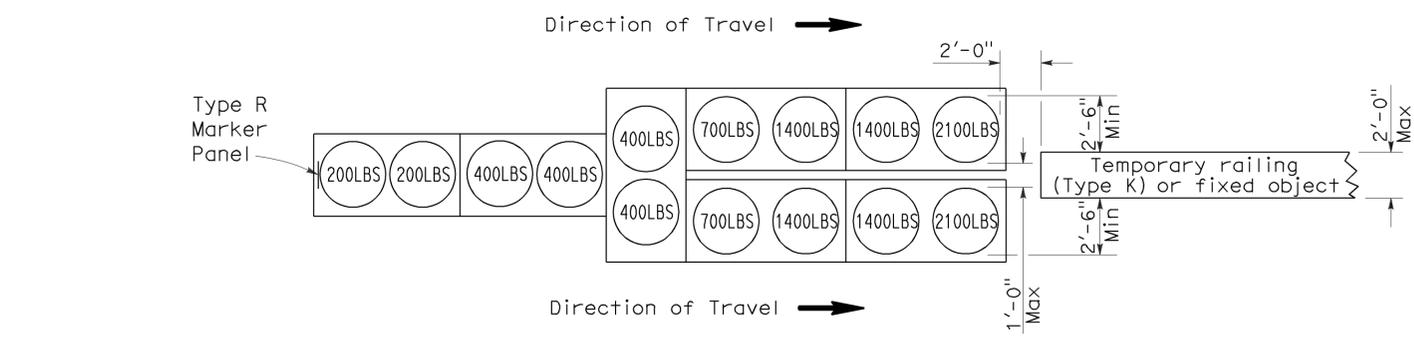
*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

June 6, 2008  
PLANS APPROVAL DATE

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

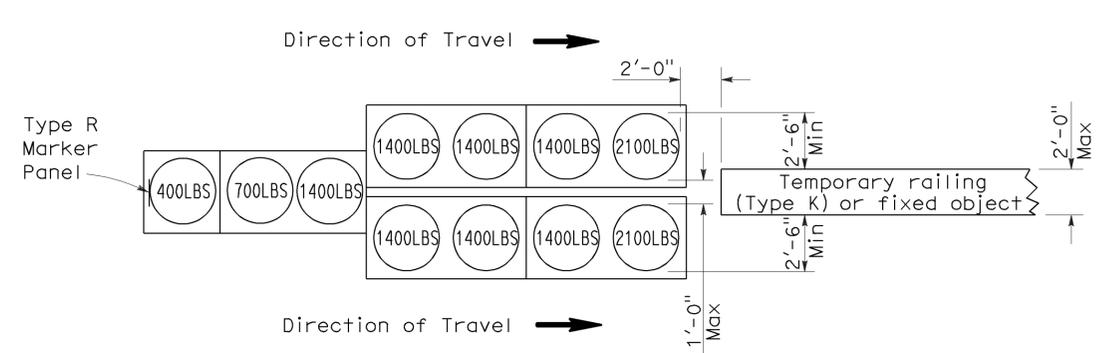
REGISTERED PROFESSIONAL ENGINEER  
*Randell D. Hiatt*  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

To accompany plans dated 2-13-12



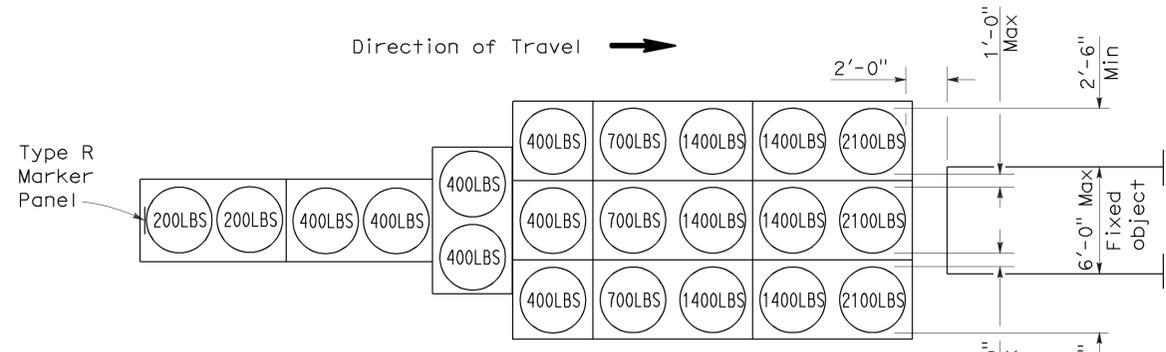
**ARRAY 'TU14'**

Approach speed 45 mph or more



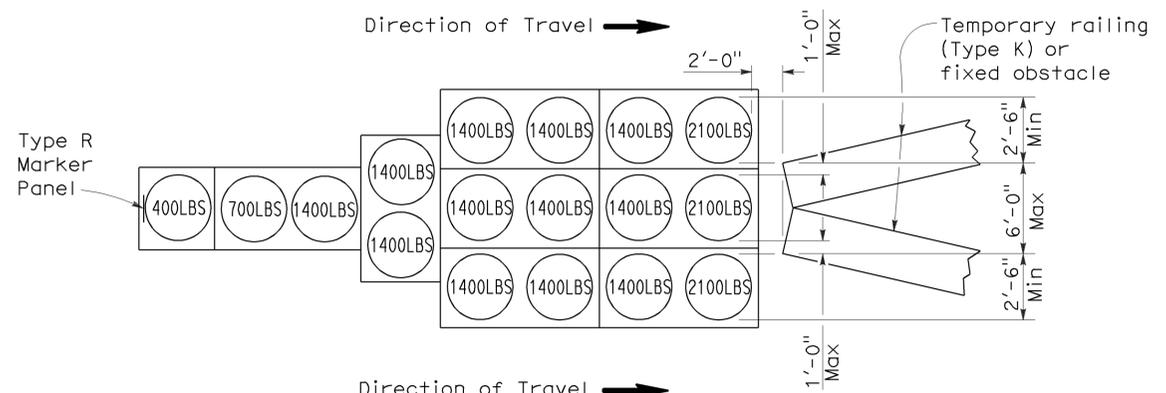
**ARRAY 'TU11'**

Approach speed less than 45 mph



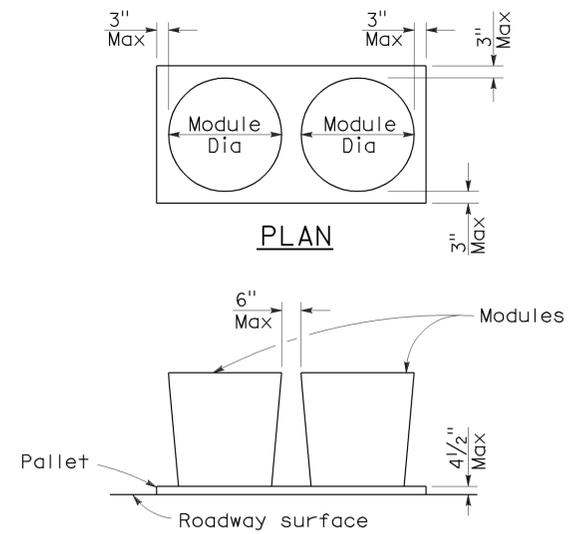
**ARRAY 'TU21'**

Approach speed 45 mph or more



**ARRAY 'TU17'**

Approach speed less than 45 mph



**CRASH CUSHION PALLET DETAIL**  
See Note 7

**NOTES:**

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

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

NO SCALE

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

**REVISED STANDARD PLAN RSP T1A**

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre, Mad	99	Var	6	29

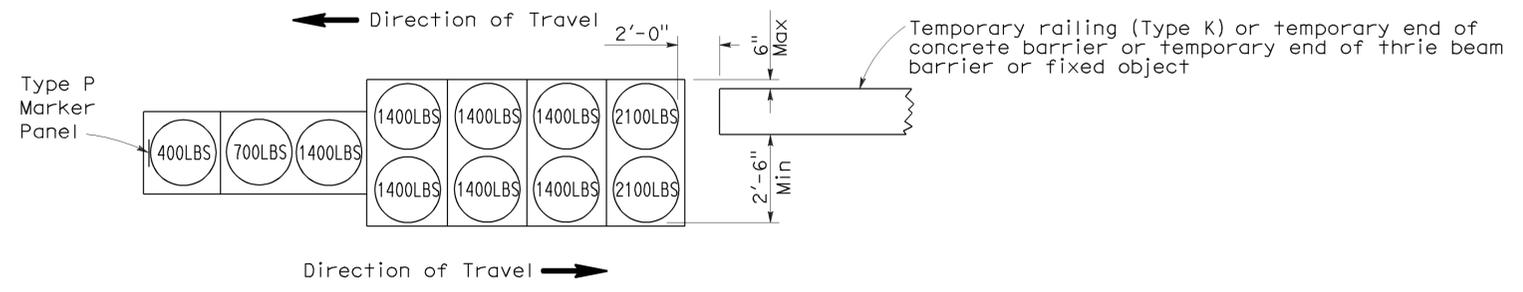
Randell D. Hiatt  
REGISTERED CIVIL ENGINEER

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.

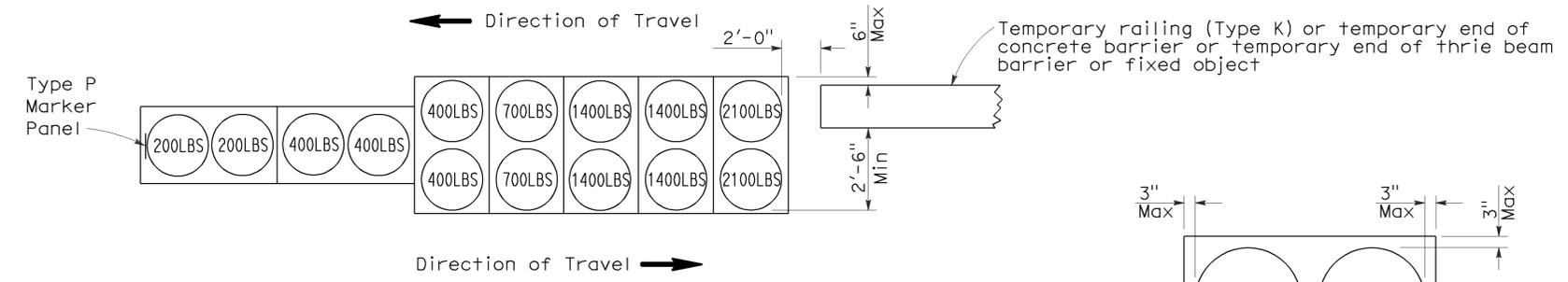
Randell D. Hiatt  
No. C50200  
Exp. 6-30-09  
CIVIL  
STATE OF CALIFORNIA

To accompany plans dated 2-13-12



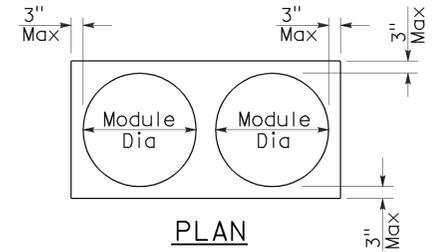
**ARRAY 'TB11'**

Approach speed less than 45 mph

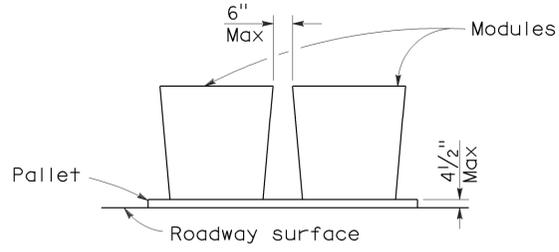


**ARRAY 'TB14'**

Approach speed 45 mph or more



PLAN



ELEVATION

**CRASH CUSHION PALLET DETAIL**

See Note 7

**NOTES:**

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

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

**REVISED STANDARD PLAN RSP T1B**

2006 REVISED STANDARD PLAN RSP T1B

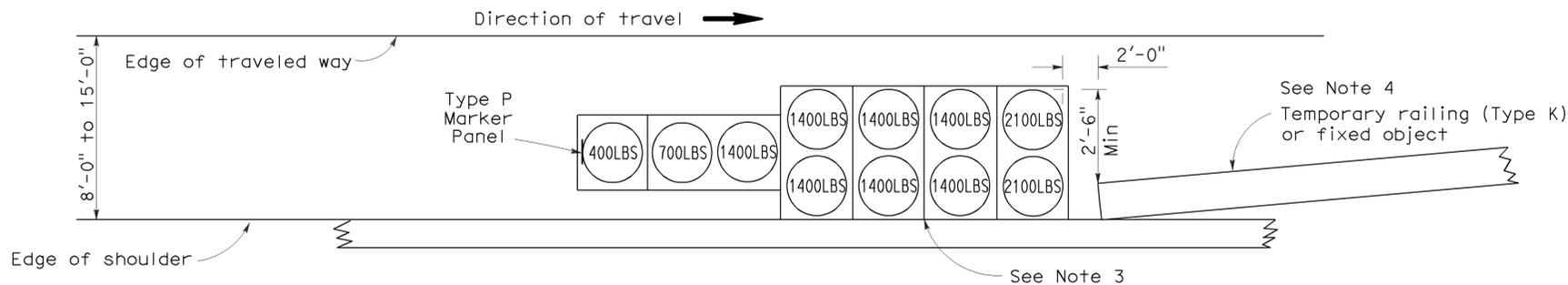
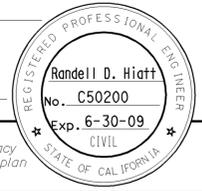
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre, Mad	99	Var	7	29

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

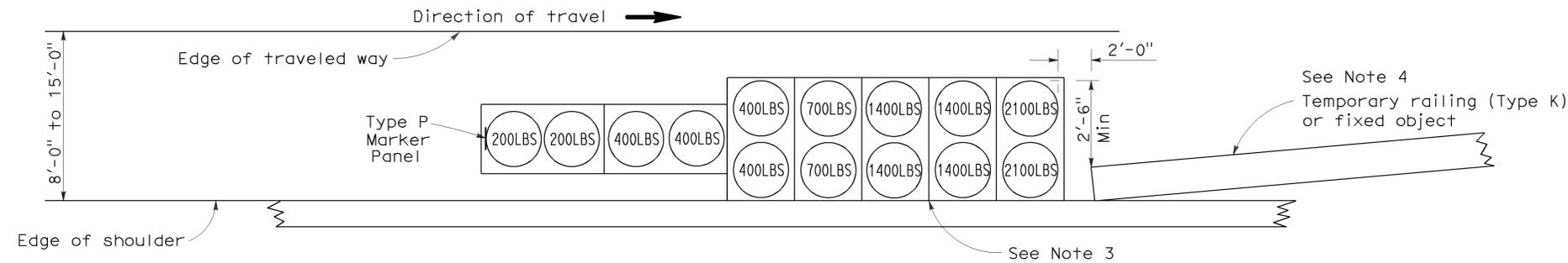
June 6, 2008  
PLANS APPROVAL DATE

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

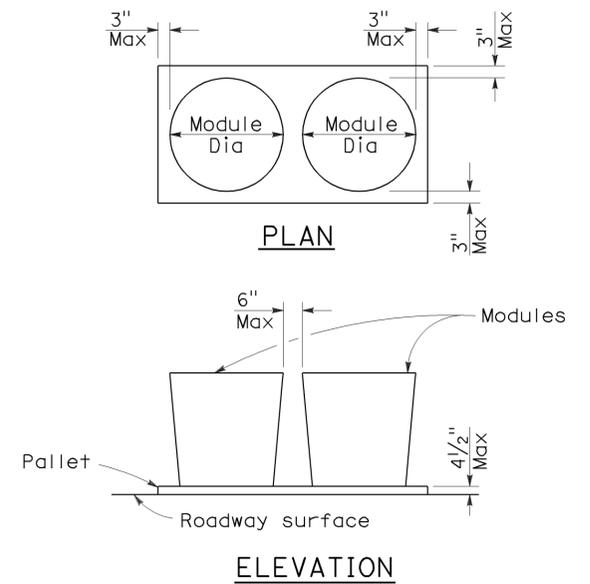
To accompany plans dated 2-13-12



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



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



**CRASH CUSHION PALLET DETAIL**  
See Note 11

**NOTES:**

- (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
- All sand weights are nominal.
- The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
- If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- Use of pallets is optional.

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

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

**REVISED STANDARD PLAN RSP T2**

2006 REVISED STANDARD PLAN RSP T2

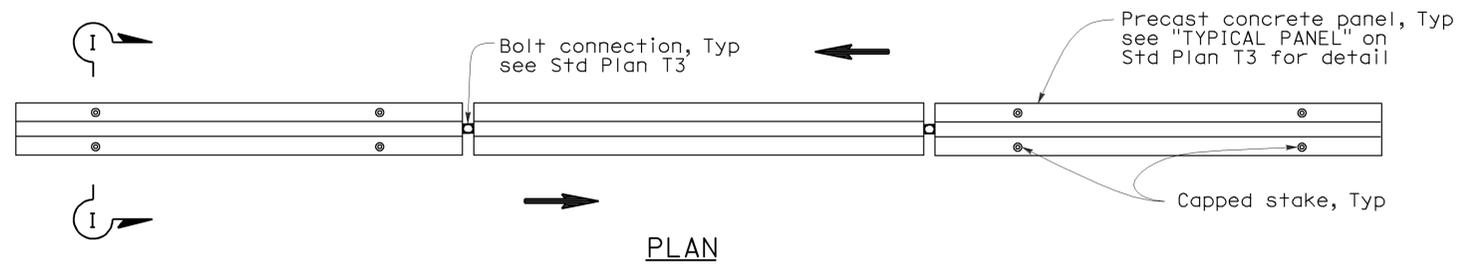
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre, Mad	99	Var	8	29

*Randell D. Hiatt*  
REGISTERED CIVIL ENGINEER

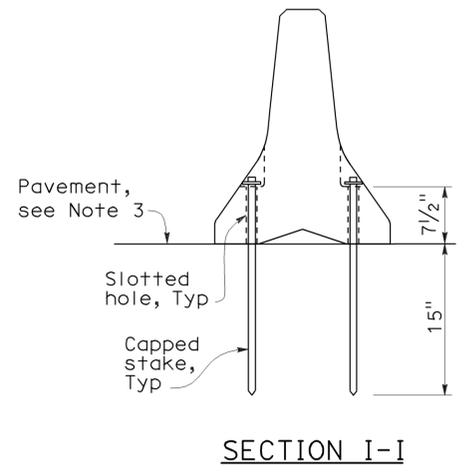
May 20, 2011  
PLANS APPROVAL DATE

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

To accompany plans dated 2-13-12

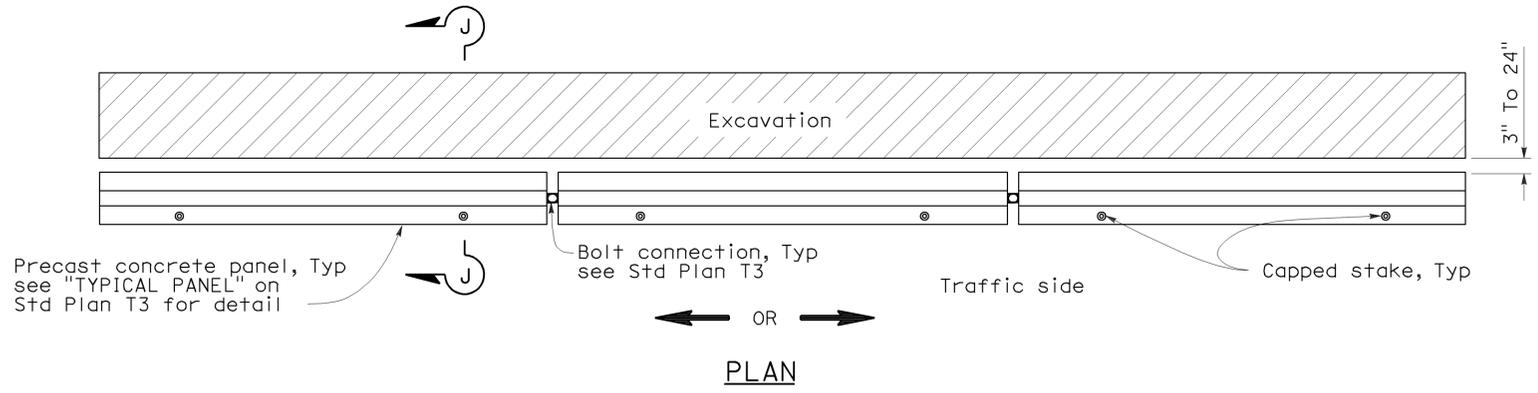


**RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC**  
See Note 1

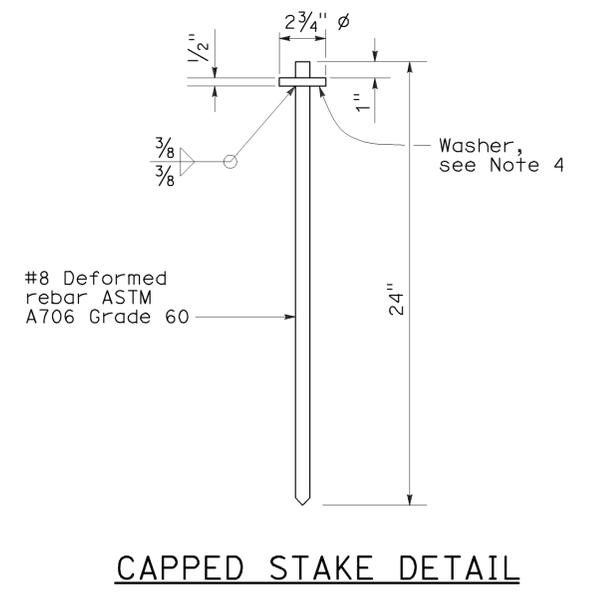
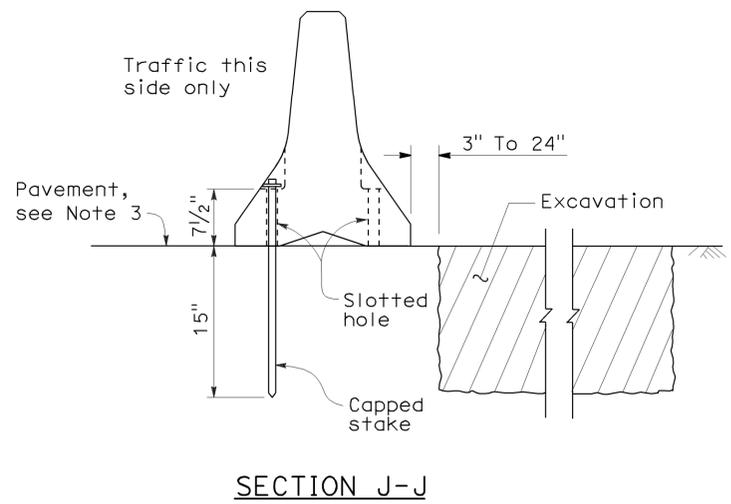


**NOTES:**

1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by  $\Rightarrow$ .



**RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION**  
See Note 2



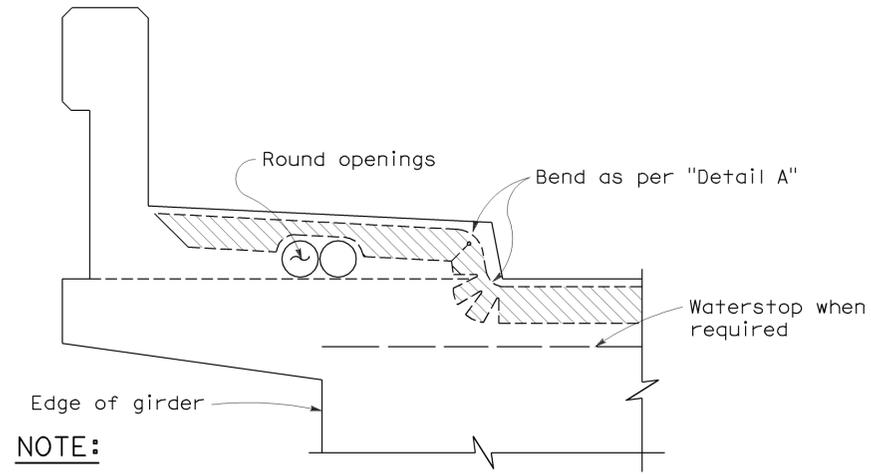
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY RAILING  
(TYPE K)**

NO SCALE

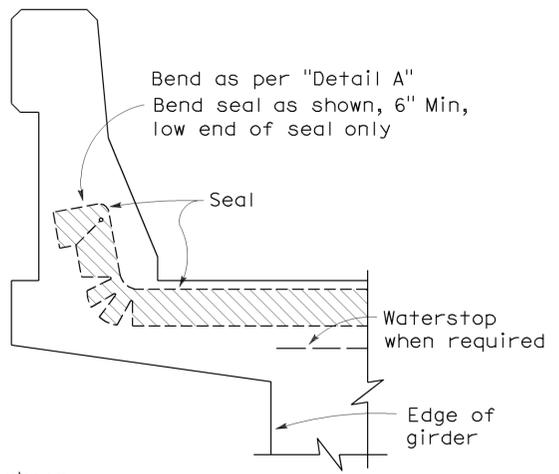
NSP T3A DATED MAY 20, 2011 SUPPLEMENTS  
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T3A

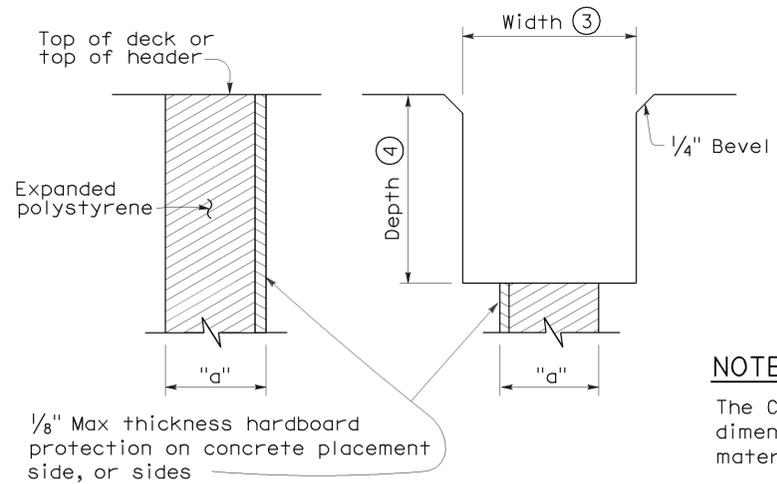


**NOTE:**  
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

**CONCRETE BARRIER AND SIDEWALK**



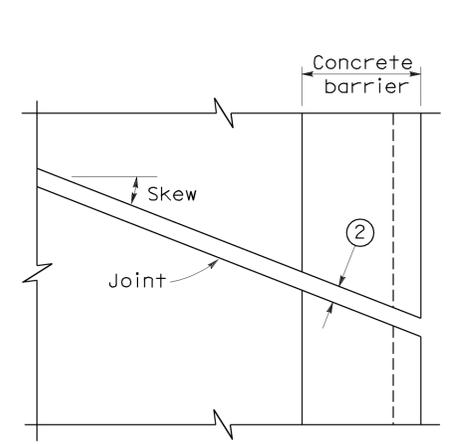
**CONCRETE BARRIER**



**FORMING DETAIL SAWCUT DETAIL**

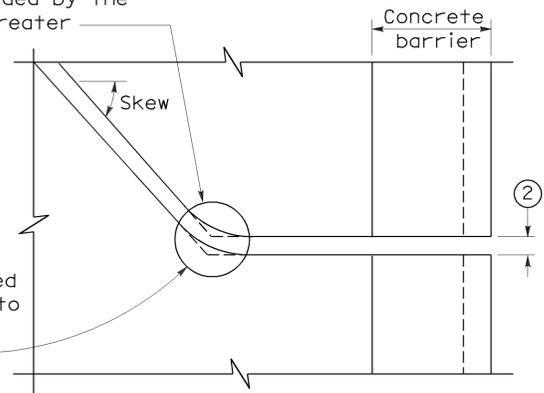
**NOTE:**  
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

**JOINT SEALS DETAILS**



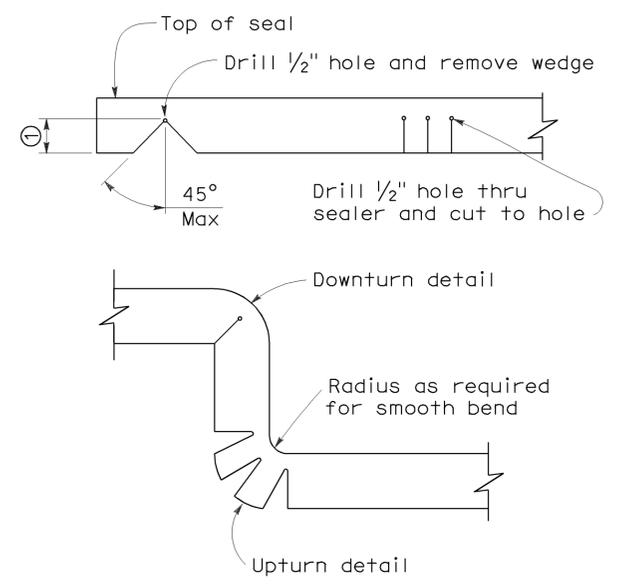
**PLAN OF JOINT (SKEW ≤ 20°)**

Min  $\phi$  radius to be 4 times uncompressed width of seal or as recommended by the manufacturer, whichever is greater



**PLAN OF JOINT (SKEW > 20°)**

In lieu of saw cutting, this area may be blocked out and reconstructed to match saw cutting on both sides.



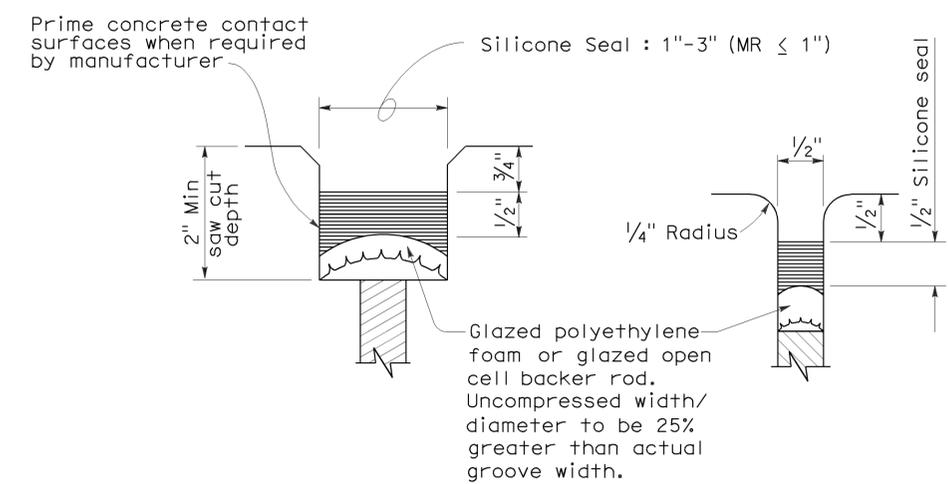
**DETAIL A**

- NOTES:**
- Make smooth cuts from the bottom of seal to 1 1/2" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
  - Opening in barrier to match width of sawn deck joint.
  - Sawcut groove widths shall be as ordered by the Engineer.
  - Depth of sawcut: Type A - Depth to be 2" minimum.  
 Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (W<sub>2</sub>) plus dimensions shown.
  - MR (movement rating) as shown on other plan sheets.
  - Other depths must be approved by the Engineer.

**DIMENSIONS "a" OF JOINT REQUIRED**

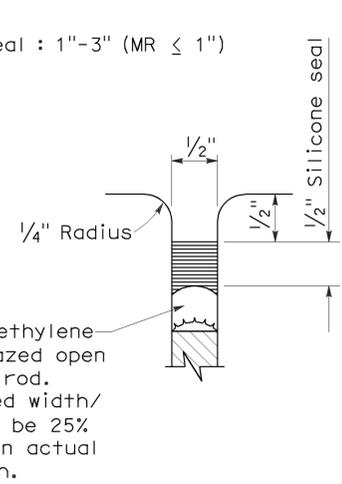
Movement Rating (MR) ⑤	Bridge Type	"a" Dimension		
		Deck Concrete Placed		
		Winter	Fall-Spring	Summer
2"	All except CIP/PS	1 1/2"	1 1/4"	3/4"
	CIP/PS	1 1/4"	1"	1/2"
1 1/2"	All except CIP/PS	1 1/4"	1"	1/2"
	CIP/PS	1"	3/4"	1/2"
1"	All except CIP/PS	1"	3/4"	1/2"
	CIP/PS	3/4"	1/2"	1/2"
1/2"	All except CIP/PS	3/4"	3/4"	1/2"
	CIP/PS	1/2"	1/2"	1/2"

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



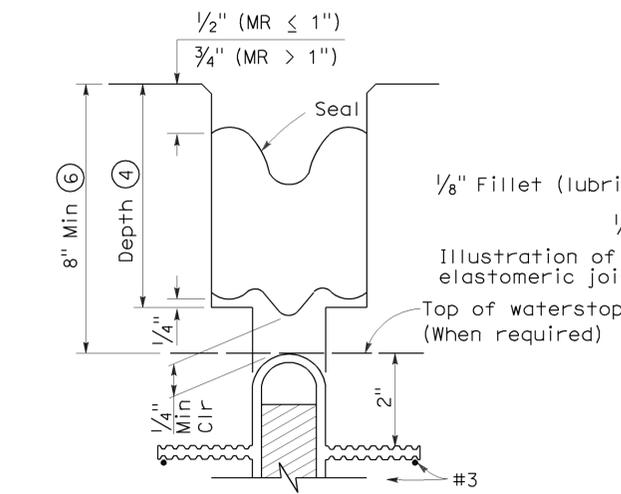
**TYPE A SEAL**

Movement rating : Silicone = 1" Max

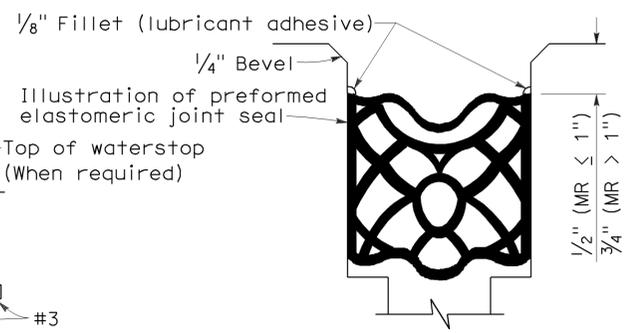


**TYPE AL SEAL**

Longitudinal joints only



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



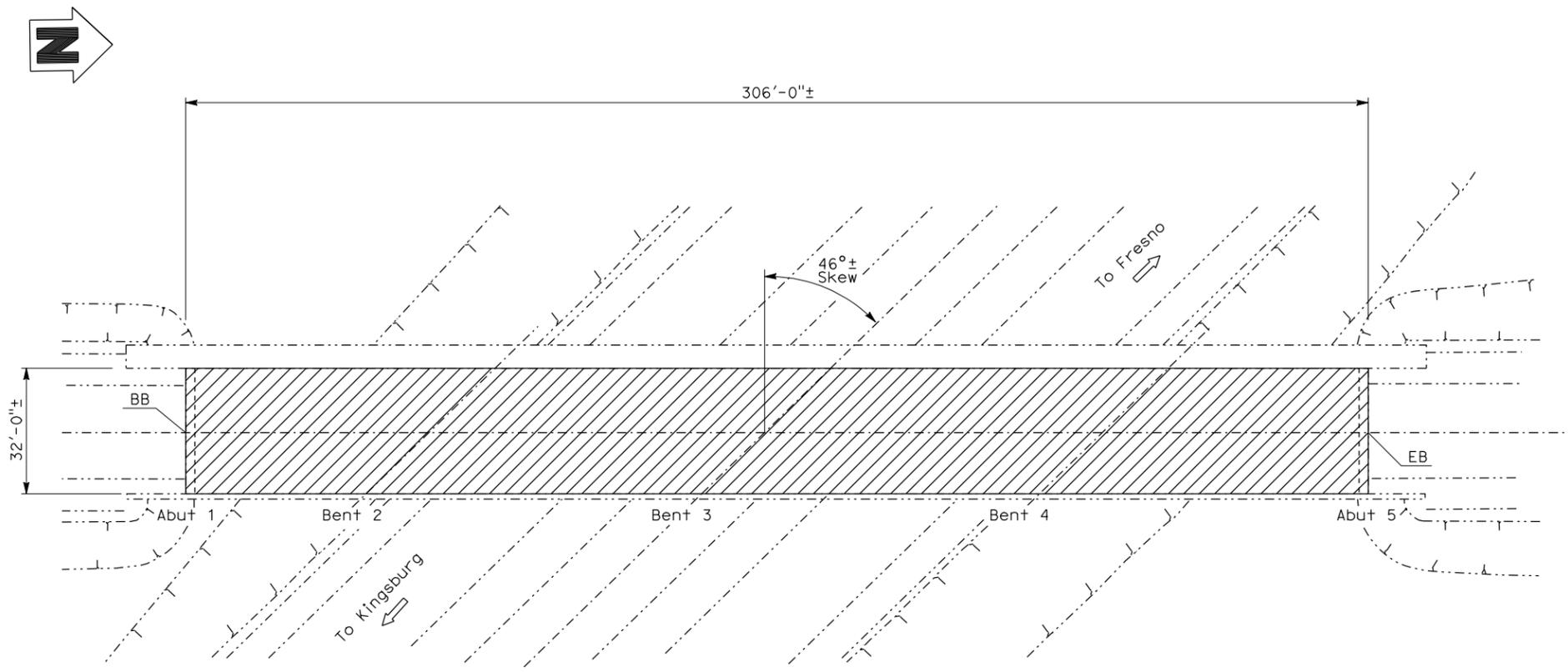
**TYPE B SEAL**

Movement Rating ≤ 2"

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

**REVISED STANDARD PLAN RSP B6-21**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	10	29
 REGISTERED CIVIL ENGINEER			10-11-11	DATE	
PLANS APPROVAL DATE 02-13-12					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					
To get to the Caltrans web site, go to: <a href="http://www.dot.ca.gov">http://www.dot.ca.gov</a>					



### INDEX TO PLANS

SHEET No.	TITLE
1	GENERAL PLAN No. 1
2	GENERAL PLAN No. 2
3	GENERAL PLAN No. 3
4	GENERAL PLAN No. 4
5	GENERAL PLAN No. 5
6	GENERAL PLAN No. 6
7	GENERAL PLAN No. 7
8	GENERAL PLAN No. 8
9	GENERAL PLAN No. 9
10	GENERAL PLAN No. 10
11	GENERAL PLAN No. 11
12	GENERAL PLAN No. 12
13	GENERAL PLAN No. 13
14	GENERAL PLAN No. 14
15	GENERAL PLAN No. 15
16	GENERAL PLAN No. 16
17	GENERAL PLAN No. 17
18	GENERAL PLAN No. 18
19	GENERAL PLAN No. 19
20	JOINT SEAL AND DECK REPAIR DETAILS

**1 BETHEL AVENUE OC**  
 Br No. 42-0223, Rte 99, PM R2.06  
 No Scale

#### LEGEND:

- Indicates existing structure
- ⇒ Indicates direction of traffic
- ▨ Indicates limits of Prepare concrete bridge deck surface and Treat Bridge Deck with high molecular weight methacrylate.
- ⊖ Indicates bridge location, see "Title" sheet.

BETHEL AVENUE OC		BRIDGE NO. 42-0223	
QUANTITIES			
PREPARE CONCRETE BRIDGE DECK SURFACE	9,800	SQFT	
TREAT BRIDGE DECK	9,800	SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	110	GAL	

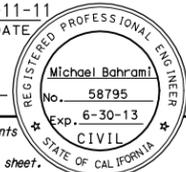
### STANDARD PLANS DATED MAY 2006

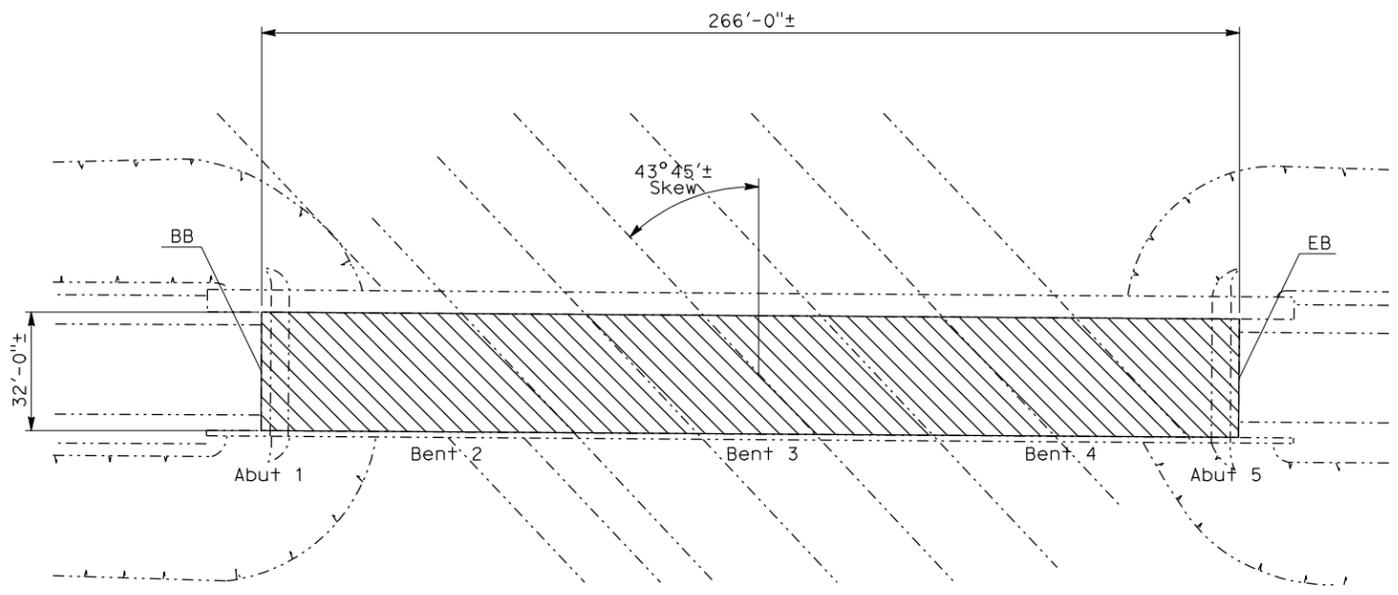
SHEET No.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
R2.06	JOINT SEALS (MAXIMUM MR = 2")

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

 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE	BRIDGE NO.	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>BETHEL AVENUE OVERCROSSING</b> <b>GENERAL PLAN 1</b>		
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	STRUCTURE MAINTENANCE AND INVESTIGATIONS		42-0223	
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED D. Klein		POST MILE			
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)								PROJECT NUMBER & PHASE: 0600020108	CONTRACT NO.: 06-0K4204	REVISION DATES	SHEET 1 OF 20

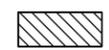
USERNAME => s1114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:28

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	11	29
 REGISTERED CIVIL ENGINEER DATE 10-11-11					
02-13-12 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					
To get to the Caltrans web site, go to: <a href="http://www.dot.ca.gov">http://www.dot.ca.gov</a>					



**② MOUNTAIN VIEW OC**  
 Br No. 42-0219, Rte 99, PM R3.74  
 No Scale

**LEGEND:**

- Indicates existing structure
- Indicates direction of traffic
-  Indicates limits of remove concrete bridge deck surface (3/4" ±). Prepare concrete bridge deck surface, and place new 3/4" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete, see DECK DAMAGE REPAIR DETAIL sheet on "JOINT SEAL AND DECK REPAIR DETAILS" sheet.
- ⊖ Indicates bridge location. see "Title" sheet.

MOUNTAIN VIEW OC	QUANTITIES	BRIDGE NO. 42-0219
	REMOVE CONCRETE BRIDGE DECK SURFACE	8,520 SOFT
	REMOVE UNSOUND CONCRETE	21 CF
	PREPARE CONCRETE BRIDGE DECK SURFACE	8,520 SOFT
	RAPID SETTING CONCRETE (PATCH)	21 CF
	FURNISH POLYESTER CONCRETE OVERLAY	640 CF
	PLACE POLYESTER CONCRETE OVERLAY	8,520 SOFT

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

 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE	BRIDGE NO.	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>MOUNTAIN VIEW OVERCROSSING</b> <b>GENERAL PLAN 2</b>		
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	STRUCTURE MAINTENANCE AND INVESTIGATIONS		42-0219	
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED D. Klein		POST MILE			
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 0989	CONTRACT NO.: 06-0K4201	REVISION DATES	SHEET 2 OF 20
							0 1 2 3	PROJECT NUMBER & PHASE: 0600020108	05-11-11 07-01-11		
								FILE => 06-0k4201-a-gp02.dgn			

USERNAME => s1114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:29

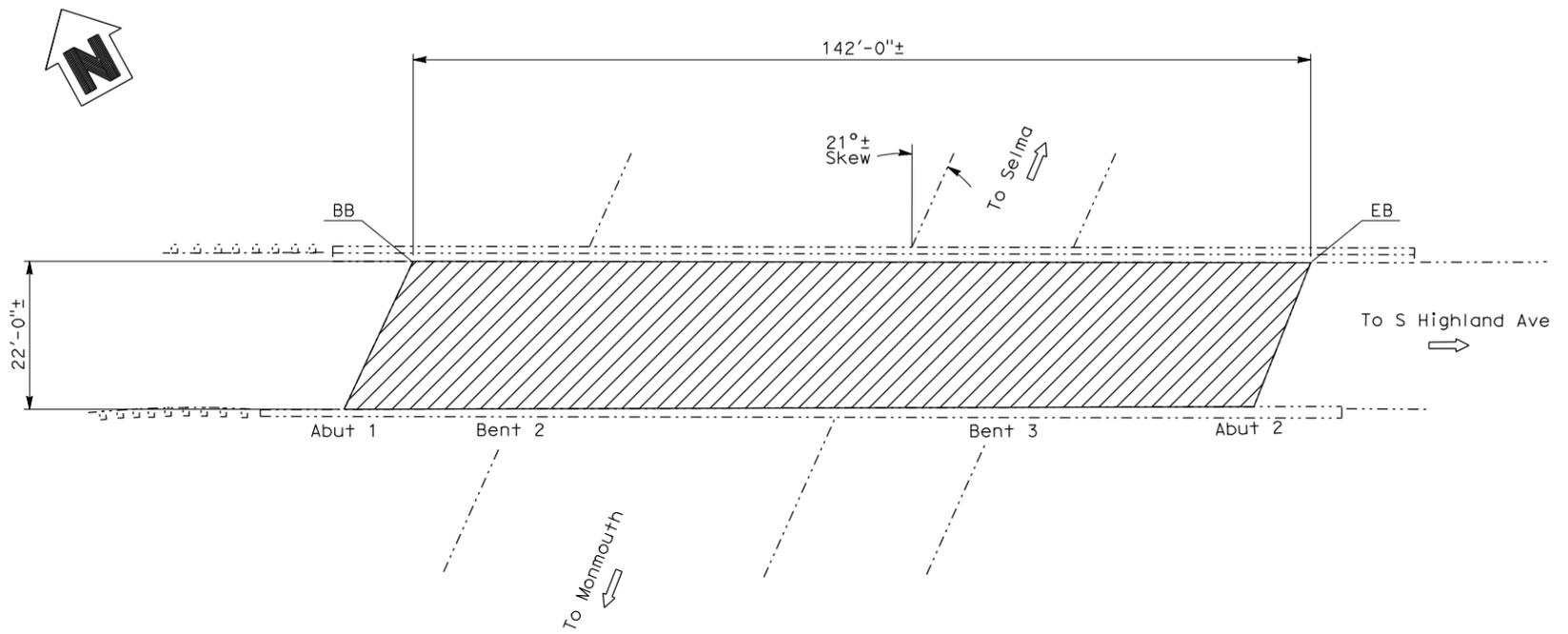
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	12	29

*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE

02-13-12  
 PLANS APPROVAL DATE

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

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



**③ FLORAL AVENUE UC**  
 Br No. 42-0200K, Rte 99, PM 6.50  
 No Scale

- LEGEND:**
- Indicates existing structure
  - ➔ Indicates direction of traffic
  - ▨ Indicates limits of Prepare concrete bridge deck surface and Treat Bridge Deck with high molecular weight methacrylate.
  - ⊖ Indicates bridge location, see "Title" sheet.

FLORAL AVENUE UC	BRIDGE NO. 42-0200K
QUANTITIES	
PREPARE CONCRETE BRIDGE DECK SURFACE	3,160 SQFT
TREAT BRIDGE DECK	3,160 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	35 GAL

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

 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE	BRIDGE NO. 42-0200K	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>FLORAL AVENUE UNDERCROSSING</b> <b>GENERAL PLAN 3</b>	
	DETAILS	BY B. Ballesteros	CHECKED	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	STRUCTURE MAINTENANCE AND INVESTIGATIONS		POST MILE 6.50
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED D. Klein				
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS							UNIT: 0989 PROJECT NUMBER & PHASE: 0600020108	CONTRACT NO.: 06-0K4201	REVISION DATES: 05-12-11, 07-01-11, 12-05-11	SHEET 3 OF 20

USERNAME => s1114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:29

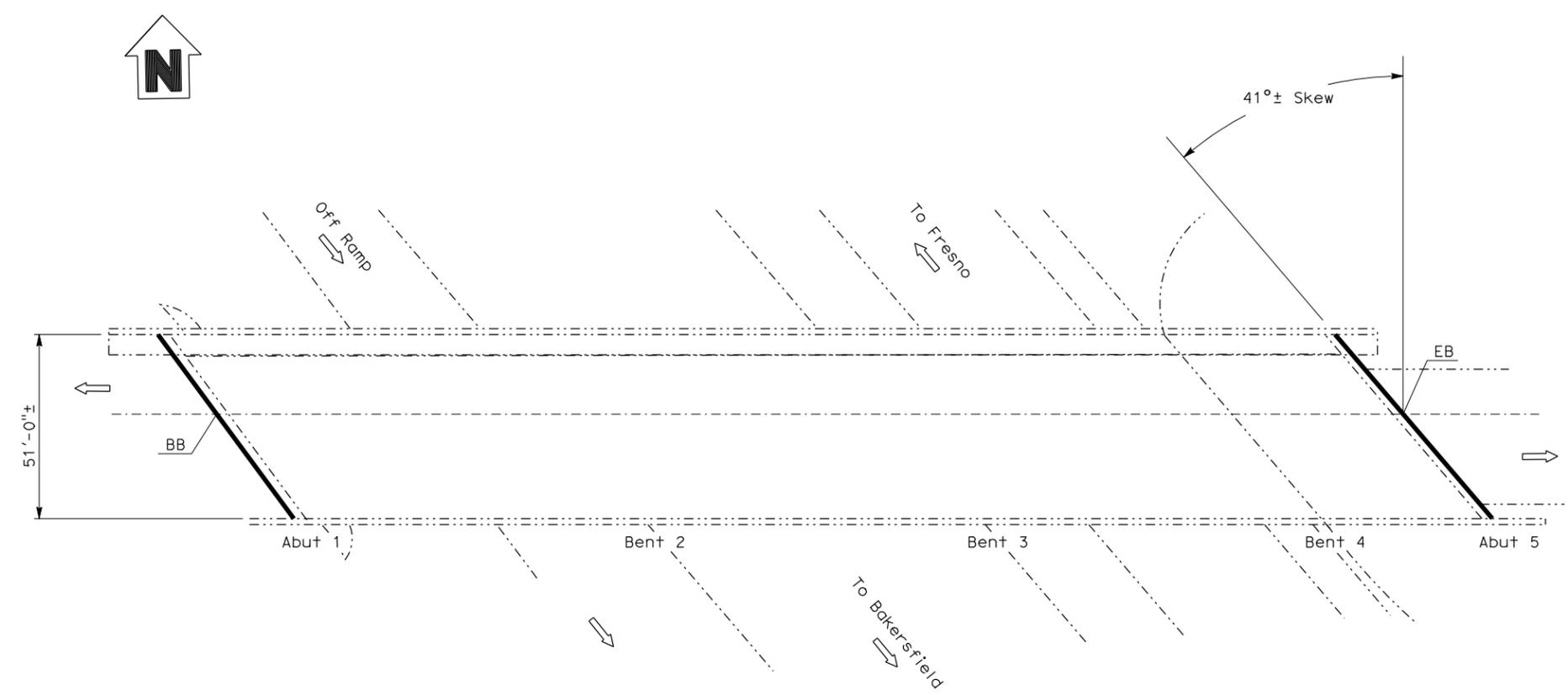
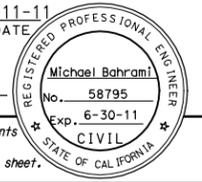
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	13	29

*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE

02-13-12  
 PLANS APPROVAL DATE

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

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



**4 MANNING AVENUE OC**  
 Br No. 42-0201, Rte 99, PM 9.16  
 No Scale

**LEGEND:**

- Indicates existing structure
- ⇒ Indicates direction of traffic
- /— Indicates location of clean expansion joint and place new joint seal. For details, see "JOINT SEAL AND DECK REPAIR DETAILS" sheet.
- ⊖ Indicates bridge location. see "Title" sheet.

MANNING AVENUE BRIDGE NO. 42-0201

QUANTITIES

CLEAN EXPANSION JOINT	136 LF
BONDED JOINT SEAL (MR 1 1/2")	136 LF

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

 DESIGN ENGINEER 10-13-11	DESIGN BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO. 42-0201	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>MANNING AVENUE OVERCROSSING</b> <b>GENERAL PLAN 4</b>	
	DETAILS BY B. Ballesteros	CHECKED H. Su	LAYOUT BY B. Ballesteros	CHECKED M. Bahrami		PLANS AND SPECS COMPARED BY D. Klein	CHECKED D. Klein		POST MILE 9.16
QUANTITIES BY H. Su	CHECKED C. Lee	SPECIFICATIONS BY D. Klein	CHECKED C. Lee					REVISION DATES	SHEET 4 OF 20

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3  
 UNIT: 0989 PROJECT NUMBER & PHASE: 0600020108 CONTRACT NO.: 06-0K4201 05-12-11 07-01-11  
 FILE => 06-0k4201-a-gp04.dgn

TIME PLOTTED => 17:29  
 DATE PLOTTED => 09-FEB-2012  
 USERNAME => s114592

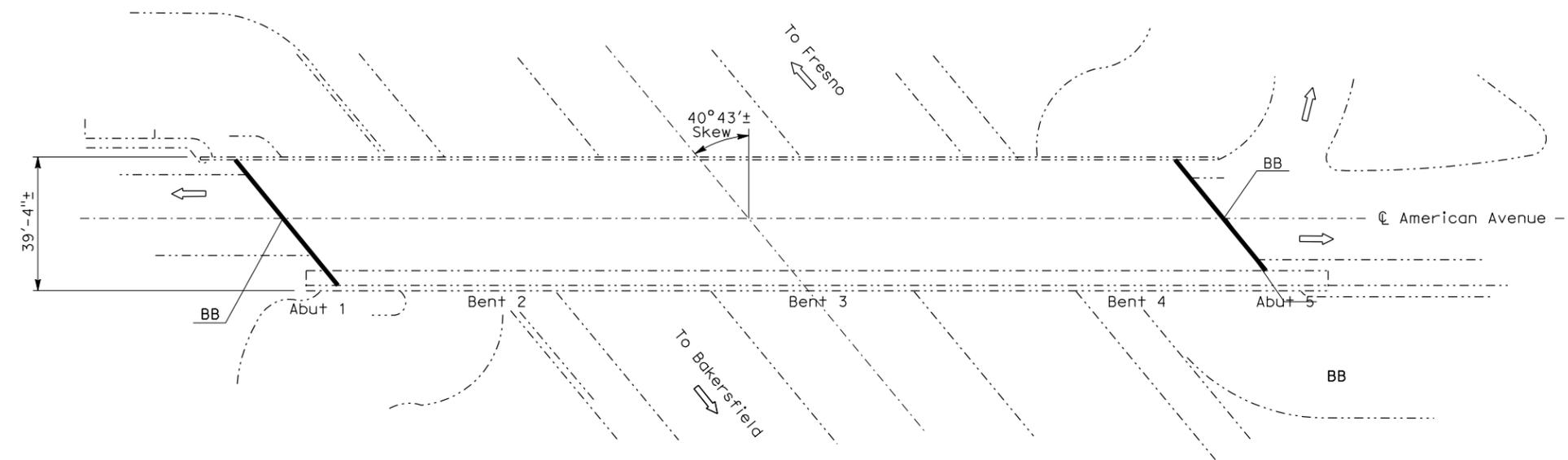
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	14	29

*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE

02-13-12  
 PLANS APPROVAL DATE

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

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



**5 AMERICAN AVENUE UC**  
 Br No. 42-0205, Rte 99, PM 14.51  
 No Scale

**LEGEND:**

- Indicates existing structure
- ⇒ Indicates direction of traffic
- /— Indicates location of clean expansion joint and place new joint seal. For details, see "JOINT SEAL AND DECK REPAIR DETAILS" sheet.
- Indicates bridge location, see "Title" sheet.

AMERICAN AVENUE UC	BRIDGE NO. 42-0205
QUANTITIES	
CLEAN EXPANSION JOINT	106 LF
BONDED JOINT SEAL (MR 1 1/2")	106 LF

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

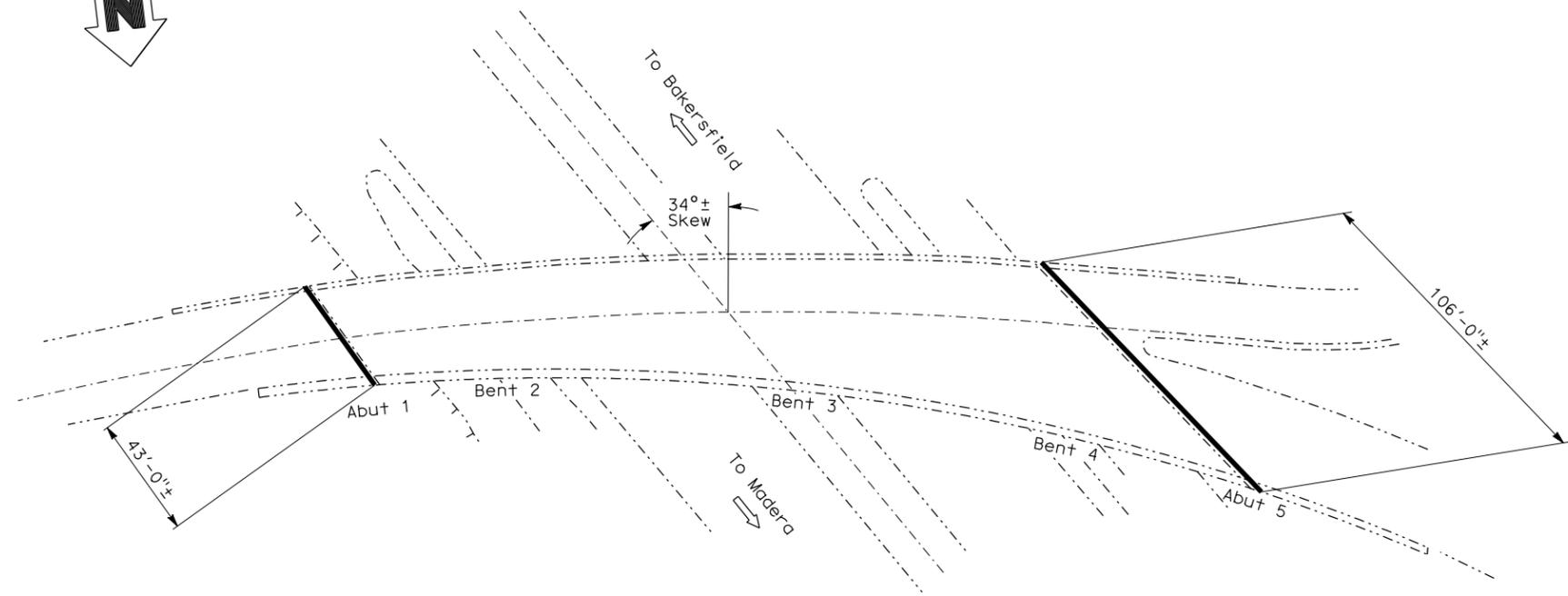
 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE	BRIDGE NO.	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>AMERICAN AVENUE UNDERCROSSING</b> <b>GENERAL PLAN 5</b>	
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	STRUCTURE MAINTENANCE AND INVESTIGATIONS		42-0205
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED D. Klein			POST MILE		
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)							UNIT: 0989	CONTRACT NO.: 06-0K4201		SHEET 5 OF 20

USERNAME => s1114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:29

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	15	29

*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE  
 02-13-12  
 PLANS APPROVAL DATE  
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.  
 To get to the Caltrans web site, go to: <http://www.dot.ca.gov>

REGISTERED PROFESSIONAL ENGINEER  
 Michael Bahrami  
 No. 58795  
 Exp. 6-30-11  
 CIVIL  
 STATE OF CALIFORNIA



**⑥ RTE 99 SB OFF RAMP/RTE 99 SEP**  
 Br No. 42-0218K, Rte 99, PM 20.06  
 No Scale

**LEGEND:**

- Indicates existing structure
- ⇒ Indicates direction of traffic
- /— Indicates location of clean expansion joint and place new joint seal. For details, see "JOINT SEAL AND DECK REPAIR DETAILS" sheet.
- ⊖ Indicates bridge location. see "Title" sheet.

RTE 99 SB OFF RAMP/RTE 99 SEP BRIDGE NO. 42-0218K

QUANTITIES

CLEAN EXPANSION JOINT	149 LF
BONDED JOINT SEAL (MR 1 1/2")	149 LF

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

 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO. 42-0218K	REPLACE JOINT SEALS, TREAT BRIDGE DECKS, & BRIDGE DECK OVERLAY <b>RTE 99 SB OFF RAMP/RTE 99 SEPARATION</b> GENERAL PLAN 6	
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	POST MILE 20.06		
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED D. Klein	UNIT: 0989 PROJECT NUMBER & PHASE: 0600020108		CONTRACT NO.: 06-0K4201	REVISION DATES	SHEET 6 OF 20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



FILE => 06-0k4201-a-gp06.dgn

TIME PLOTTED => 17:29  
 DATE PLOTTED => 09-FEB-2012  
 USERNAME => s1114592

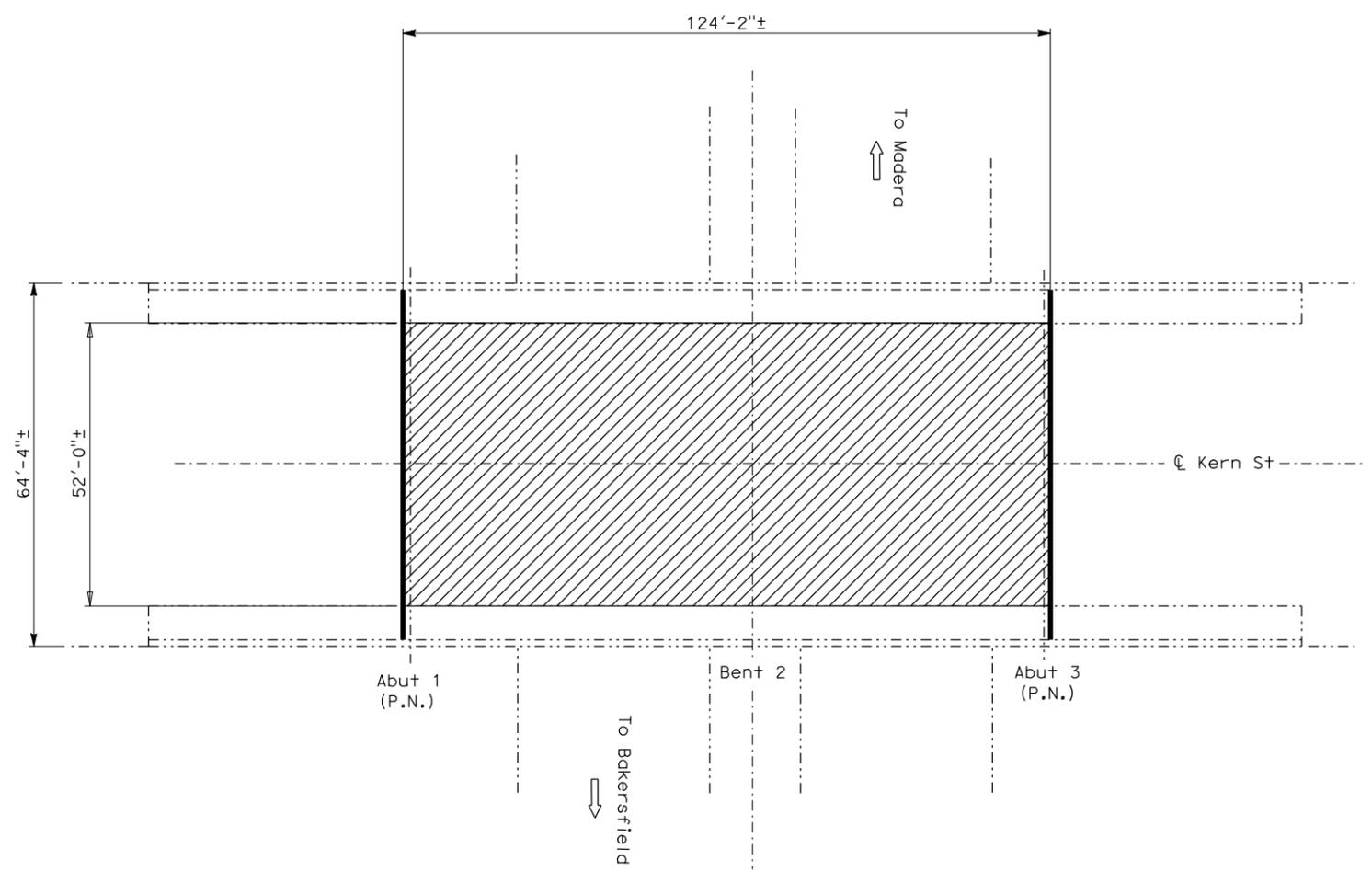
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	16	29

*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE

02-13-12  
 PLANS APPROVAL DATE

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

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



**7 KERN STREET OC**  
 Br No. 42-0159, Rte 99, PM 20.46  
 No Scale

- LEGEND:**
- Indicates existing structure
  - ⇒ Indicates direction of traffic
  - /— Indicates location of clean expansion joint and place new joint seal. For details, see "JOINT SEAL AND DECK REPAIR DETAILS" sheet.
  - ▨ Indicates limits of Prepare concrete bridge deck surface and Treat Bridge Deck with high molecular weight methacrylate.
  - Indicates bridge location. see "Title" sheet.

KERN STREET OC	BRIDGE NO. 42-0159
QUANTITIES	
PREPARE CONCRETE BRIDGE DECK SURFACE	6,450 SQFT
CLEAN EXPANSION JOINT	130 LF
JOINT SEAL (MR $\frac{1}{2}$ " )	130 LF
TREAT BRIDGE DECK	6,450 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	75 GAL
PUBLIC SAFETY PLAN	LUMP SUM

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

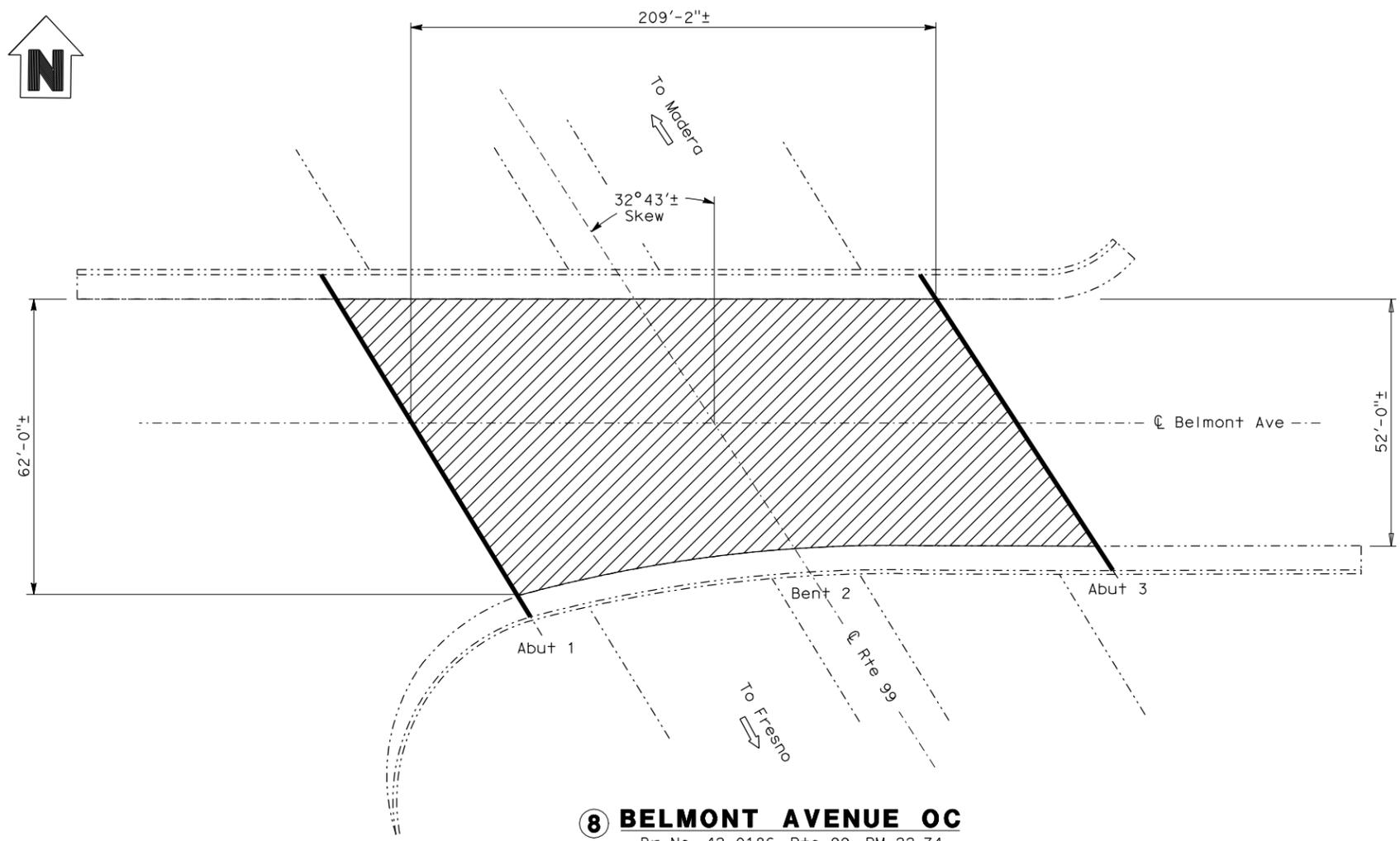
 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE	BRIDGE NO.	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>KERN STREET OVERCROSSING</b> <b>GENERAL PLAN 7</b>		
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	STRUCTURE MAINTENANCE AND INVESTIGATIONS		42-0159	
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED D. Klein		POST MILE			
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)								UNIT: 0989	CONTRACT NO.: 06-0K4201	REVISION DATES	SHEET 7 OF 20
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS								PROJECT NUMBER & PHASE: 0600020108	05-13-11 07-01-11 10-20-11 12-05-11		

USERNAME => s114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:29

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	17	29

*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE  
 02-13-12  
 PLANS APPROVAL DATE  
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.  
 To get to the Caltrans web site, go to: <http://www.dot.ca.gov>

REGISTERED PROFESSIONAL ENGINEER  
 No. 58795  
 Exp. 6-30-11  
 CIVIL  
 STATE OF CALIFORNIA



**8 BELMONT AVENUE OC**  
 Br No. 42-0186, Rte 99, PM 22.74  
 No Scale

**LEGEND:**

- Indicates existing structure
- Indicates direction of traffic
- /— Indicates location of clean expansion joint and place new joint seal. For details, see "JOINT SEAL AND DECK REPAIR DETAILS" sheet.
- ▨ Indicates limits of Prepare concrete bridge deck surface and Treat Bridge Deck with high molecular weight methacrylate.
- ⊙ Indicates bridge location. see "Title" sheet.

BELMONT AVENUE OC	BRIDGE NO. 42-0186
QUANTITIES	
PREPARE CONCRETE BRIDGE DECK SURFACE	11,100 SQFT
CLEAN EXPANSION JOINT	166 LF
JOINT SEAL (MR 1")	166 LF
TREAT BRIDGE DECK	11,100 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	125 GAL

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

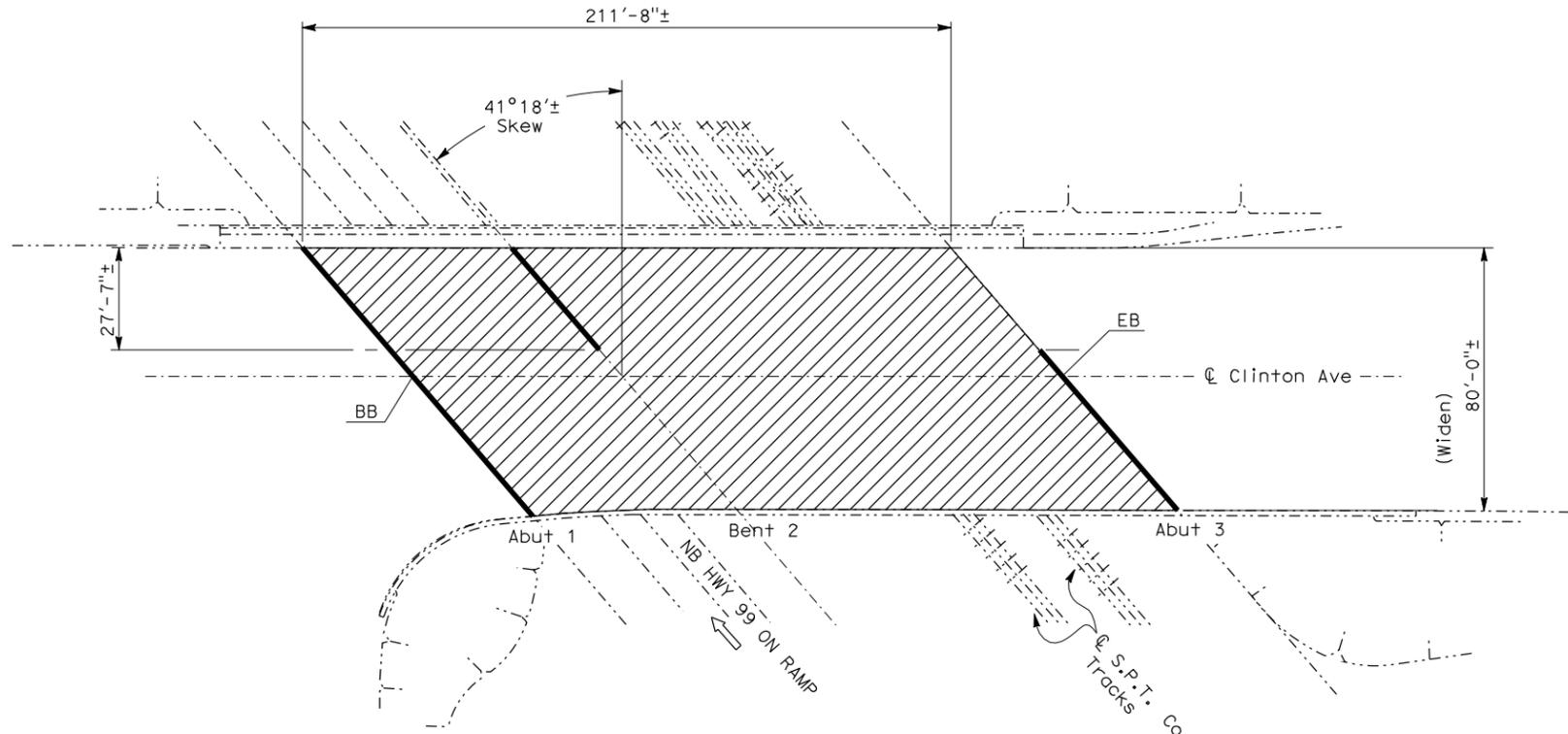
 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO. 42-0186	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b>  <b>BELMONT AVENUE OVERCROSSING</b> GENERAL PLAN 8	
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	POST MILE 22.74		
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED D. Klein	UNIT: 0989 PROJECT NUMBER & PHASE: 0600020108		CONTRACT NO.: 06-0K4201	REVISION DATES	SHEET 8 OF 20

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 FILE => 06-0k4201-a-gp08.dgn

DATE PLOTTED => 09-FEB-2012 USERNAME => s1114592 TIME PLOTTED => 17:29

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	18	29

*Michael Bahrami*  
 REGISTERED CIVIL ENGINEER DATE 10-11-11  
 PLANS APPROVAL DATE 02-13-12  
 No. 58795 Exp. 6-30-11  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 STATE OF CALIFORNIA  
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.  
 To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



**9 FRESNO YARD OC**  
 Br No. 42-0191Y, Rte 99, PM 24.42  
 No Scale

- LEGEND:**
- Indicates existing structure
  - ⇒ Indicates direction of traffic
  - /— Indicates location of clean expansion joint and place new joint seal. For details, see "JOINT SEAL AND DECK REPAIR DETAILS" sheet.
  - ▨ Indicates limits of Prepare concrete bridge deck surface and Treat Bridge Deck with high molecular weight methacrylate.
  - ⊖ Indicates bridge location. see "Title" sheet.

FRESNO YARD OC	BRIDGE NO. 42-0191Y
	QUANTITIES
PREPARE CONCRETE BRIDGE DECK SURFACE	16,960 SQFT
CLEAN EXPANSION JOINT	233 LF
JOINT SEAL (MR 1")	233 LF
TREAT BRIDGE DECK	16,960 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	190 GAL
PUBLIC SAFETY PLAN	LUMP SUM

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

 DESIGN ENGINEER 10-13-11	DESIGN BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO. 42-0191Y	REPLACE JOINT SEALS, TREAT BRIDGE DECKS, & BRIDGE DECK OVERLAY <b>FRESNO YARD OVERCROSSING</b> GENERAL PLAN 9
	DETAILS BY B. Ballesteros	CHECKED H. Su	LAYOUT BY B. Ballesteros	CHECKED M. Bahrami		PROJECT NUMBER & PHASE: 0600020108	POST MILE 24.42	
QUANTITIES BY H. Su	CHECKED C. Lee	SPECIFICATIONS BY D. Klein	PLANS AND SPECS COMPARED D. Klein	UNIT: 0989	CONTRACT NO.: 06-0K4201	05-13-11 07-01-11 12-05-11	SHEET 9 OF 20	

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 FILE => 06-0k4201-a-gp09.dgn

USERNAME => s1114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:29

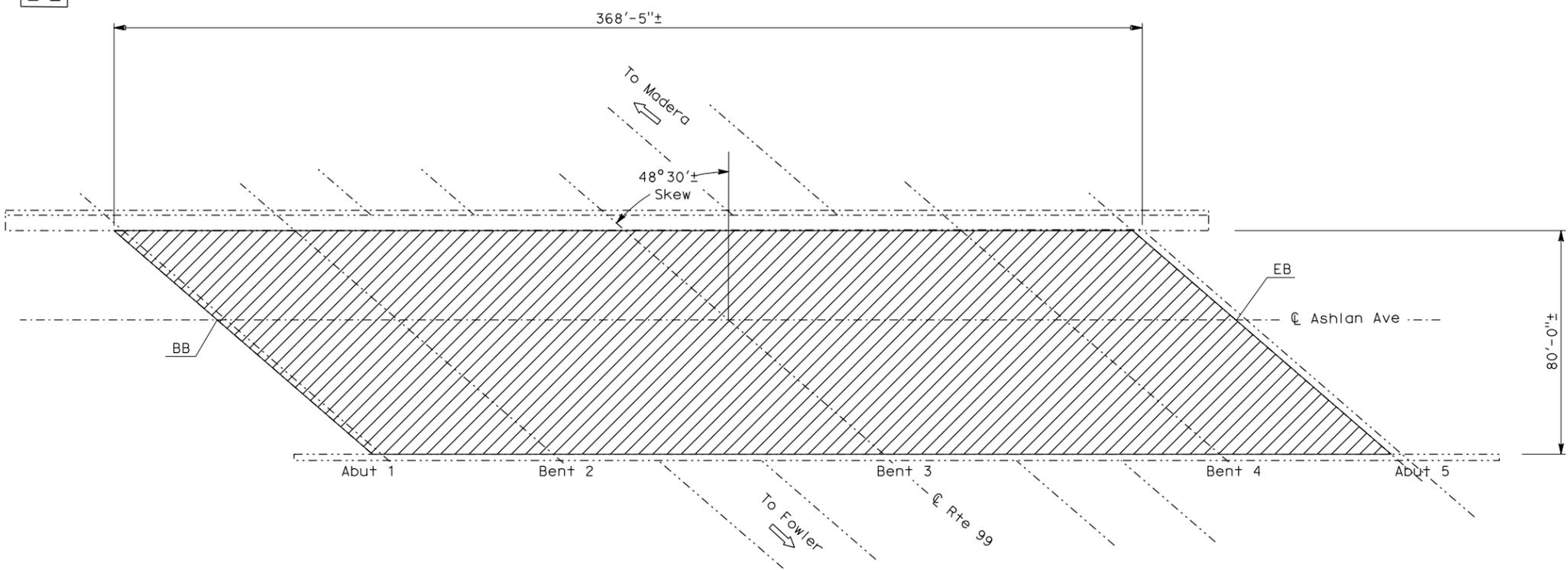
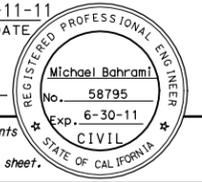
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	19	29

*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE

02-13-12  
 PLANS APPROVAL DATE

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

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



**10 ASHLAN AVENUE OC**  
 Br No. 42-0140, Rte 99, PM 26.55  
 No Scale

**LEGEND:**

- Indicates existing structure
- Indicates direction of traffic
- ▨ Indicates limits of Prepare concrete bridge deck surface and Treat Bridge Deck with high molecular weight methacrylate.
- ⊖ Indicates bridge location, see "Title" sheet.

ASHLAN AVENUE OC	QUANTITIES	BRIDGE NO. 42-0140
PREPARE CONCRETE BRIDGE DECK SURFACE	29,500 SQFT	
TREAT BRIDGE DECK	29,500 SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	330 GAL	

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

 DESIGN ENGINEER 10-13-11	DESIGN BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO. 42-0140	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>ASHLAN AVENUE OVERCROSSING</b> <b>GENERAL PLAN 10</b>	
	DETAILS BY B. Ballesteros	CHECKED H. Su	LAYOUT BY B. Ballesteros	CHECKED M. Bahrami		PLANS AND SPECS COMPARED D. Klein	POST MILE 26.55		
QUANTITIES BY H. Su	CHECKED C. Lee	SPECIFICATIONS BY D. Klein			UNIT: 0989	PROJECT NUMBER & PHASE: 0600020108	CONTRACT NO.: 06-0K4201	REVISION DATES	SHEET 10 OF 20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

FILE => 06-0k4201-a-gp10.dgn

USERNAME => s1114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:29

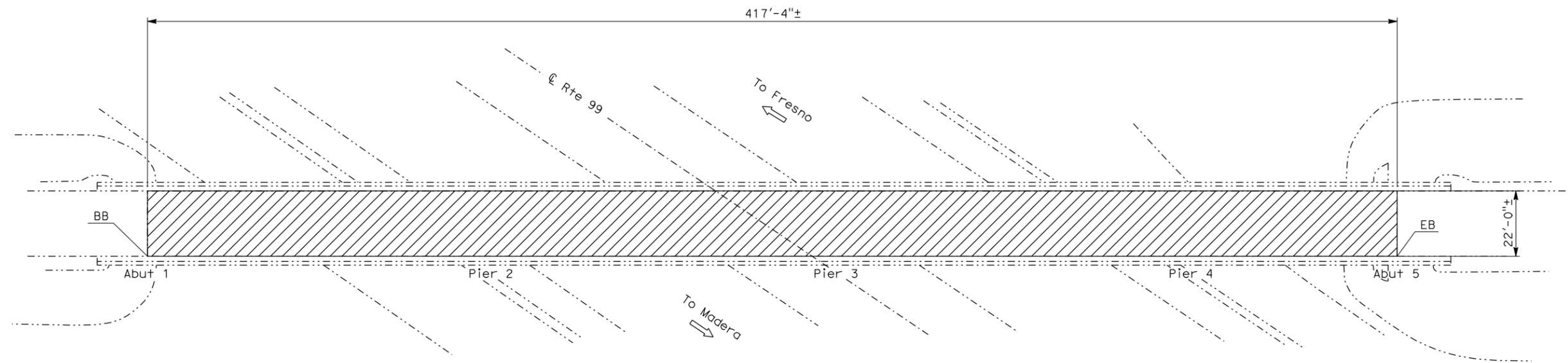
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	20	29

*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE

02-13-12  
 PLANS APPROVAL DATE

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

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



**11 HERNDON OFF RAMP / SEP**  
 Br No. 42-0126K, Rte 99, PM 30.99  
 No Scale

**LEGEND:**

- Indicates existing structure
- Indicates direction of traffic
- Indicates limits of Prepare concrete bridge deck surface and Treat Bridge Deck with high molecular weight methacrylate.
- ⊖ Indicates bridge location. see "Title" sheet.

HERNDON OFF RAMP/SEP	BRIDGE NO. 42-0126K
QUANTITIES	
PREPARE CONCRETE BRIDGE DECK SURFACE	9,185 SQFT
TREAT BRIDGE DECK	9,185 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	105 GAL

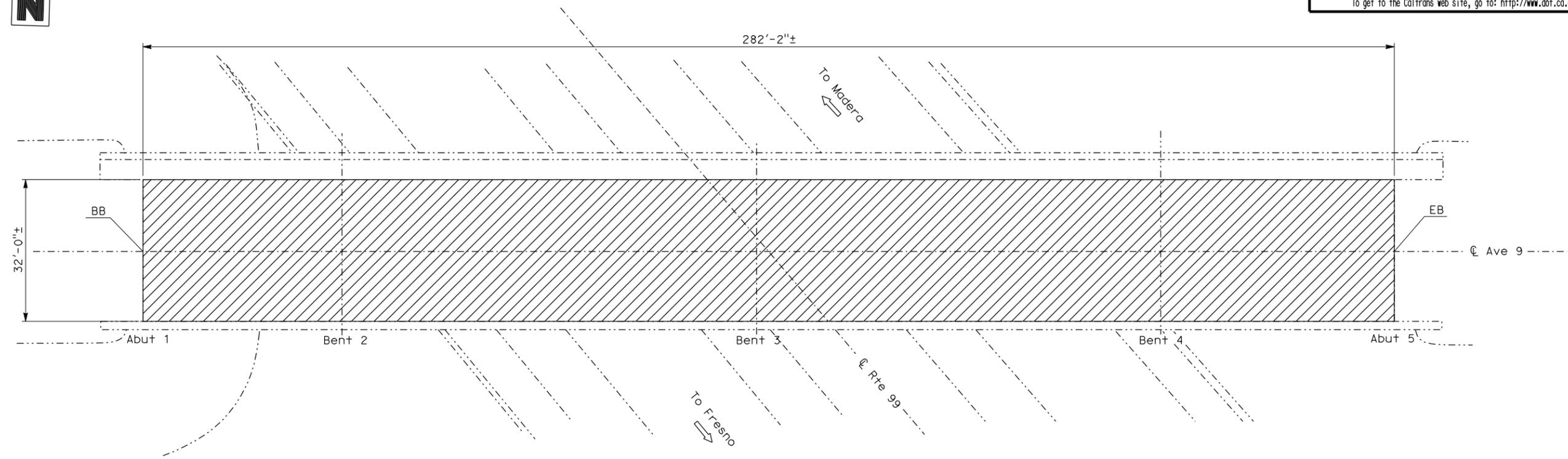
**NOTE:**  
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE	BRIDGE NO. 42-0126K	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>HERNDON OFF RAMP/SEPARATION</b> <b>GENERAL PLAN 11</b>		
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	STRUCTURE MAINTENANCE AND INVESTIGATIONS		POST MILE 30.99	
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED D. Klein			REVISION DATES		
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 0989	PROJECT NUMBER & PHASE: 0600020108	CONTRACT NO.: 06-0K4201	SHEET 11 OF 20

USERNAME => s114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:29

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	21	29

*Michael Bahrami*  
 REGISTERED CIVIL ENGINEER DATE 10-11-11  
 PLANS APPROVAL DATE 02-13-12  
 No. 58795  
 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.  
 To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



- LEGEND:**
- Indicates existing structure
  - ⇒ Indicates direction of traffic
  - ▨ Indicates limits of Prepare concrete bridge deck surface and Treat Bridge Deck with high molecular weight methacrylate.
  - ⊖ Indicates bridge location, see "Title" sheet.

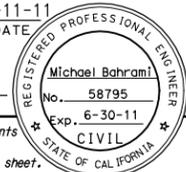
**12 AVENUE 9 OC**  
 Br No. 41-0063, Rte 99, PM R3.56  
 No Scale

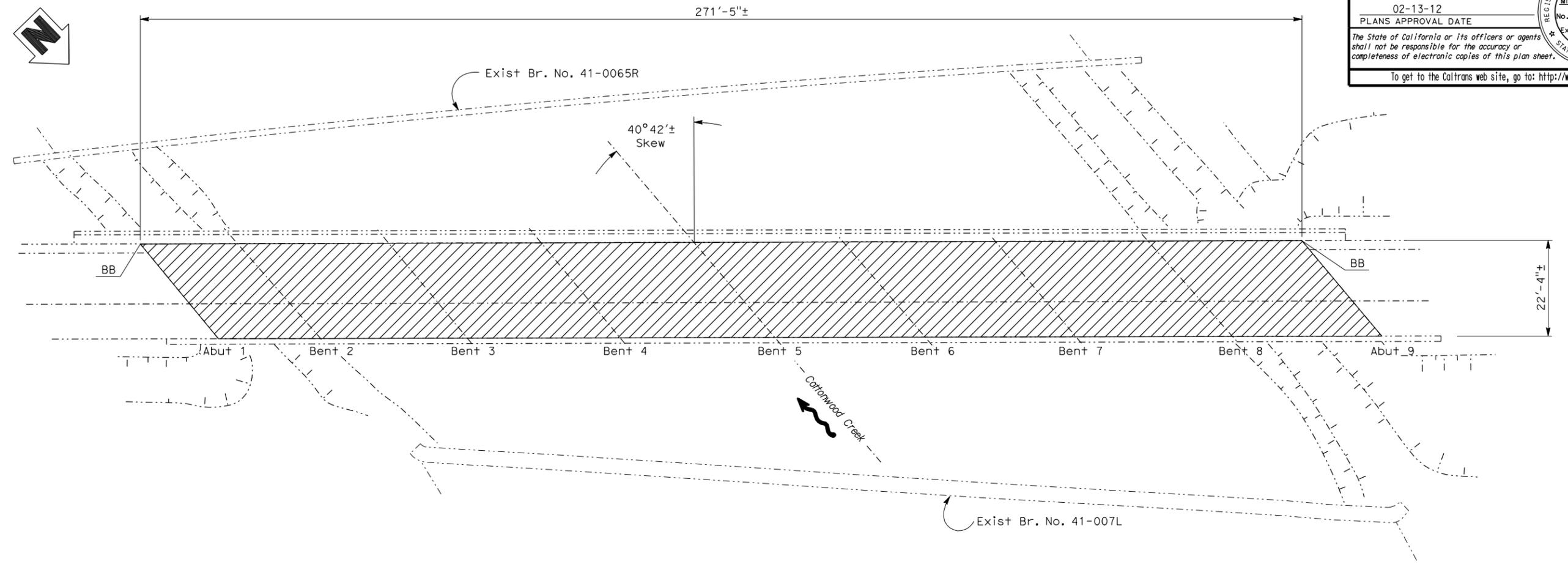
AVENUE 9 OC	BRIDGE NO. 41-0063
QUANTITIES	
PREPARE CONCRETE BRIDGE DECK SURFACE	9,030 SQFT
TREAT BRIDGE DECK	9,030 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	100 GAL

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

 DESIGN ENGINEER 10-13-11	DESIGN BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO. 41-0063	REPLACE JOINT SEALS, TREAT BRIDGE DECKS, & BRIDGE DECK OVERLAY <b>AVENUE 9 OVERCROSSING</b> GENERAL PLAN 12
	DETAILS BY B. Ballesteros	CHECKED H. Su	LAYOUT BY B. Ballesteros	CHECKED M. Bahrami		PLANS AND SPECS COMPARED D. Klein	POST MILE R3.56	
QUANTITIES BY H. Su	CHECKED C. Lee	SPECIFICATIONS BY D. Klein	PLANS AND SPECS COMPARED D. Klein	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 0989	PROJECT NUMBER & PHASE: 0600020108	CONTRACT NO.: 06-0K4201	SHEET 12 OF 20

USERNAME => s114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:29

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	22	29
 REGISTERED CIVIL ENGINEER			10-11-11	DATE	
PLANS APPROVAL DATE 02-13-12					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					
To get to the Caltrans web site, go to: <a href="http://www.dot.ca.gov">http://www.dot.ca.gov</a>					



**13 COTTONWOOD CREEK**  
 Br No. 41-0065S, Rte 99, PM R7.28  
 No Scale

- LEGEND:**
- Indicates existing structure
  - ⇒ Indicates direction of traffic
  - ▨ Indicates limits of Prepare concrete bridge deck surface and Treat Bridge Deck with high molecular weight methacrylate.
  - Indicates bridge location. see "Title" sheet.

COTTONWOOD CREEK	BRIDGE NO. 41-0065S
QUANTITIES	
PREPARE CONCRETE BRIDGE DECK SURFACE	6,100 SQFT
TREAT BRIDGE DECK	6,100 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	70 GAL

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

 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE	BRIDGE NO.	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>COTTONWOOD CREEK</b> <b>GENERAL PLAN 13</b>	
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	STRUCTURE MAINTENANCE AND INVESTIGATIONS		41-0065S
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED	D. Klein	POST MILE		
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)							UNIT: 0989 PROJECT NUMBER & PHASE: 0600020108		CONTRACT NO.: 06-0K4201	SHEET 13 OF 20

USERNAME => s1114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:29

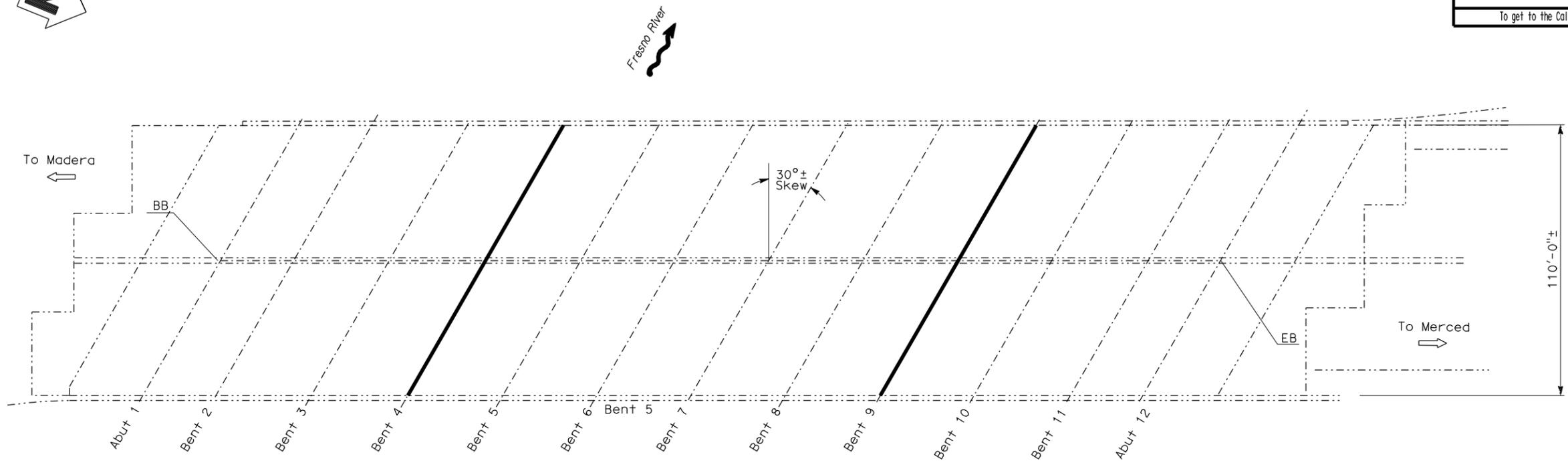
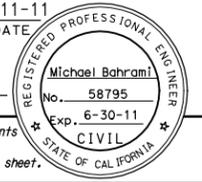
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	23	29

*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE

02-13-12  
 PLANS APPROVAL DATE

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

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



**14 FRESNO RIVER**  
 Br No. 41-0052, Rte 99, PM 11.65  
 No Scale

**LEGEND:**

- Indicates existing structure
- ⇒ Indicates direction of traffic
- /— Indicates location of clean expansion joint and place new joint seal. For details, see "JOINT SEAL AND DECK REPAIR DETAILS" sheet.
- ⊖ Indicates bridge location. see "Title" sheet.

FRESNO RIVER	BRIDGE NO. 41-0052
QUANTITIES	
CLEAN EXPANSION JOINT	254 LF
BONDED JOINT SEAL (MR 1 1/2")	254 LF

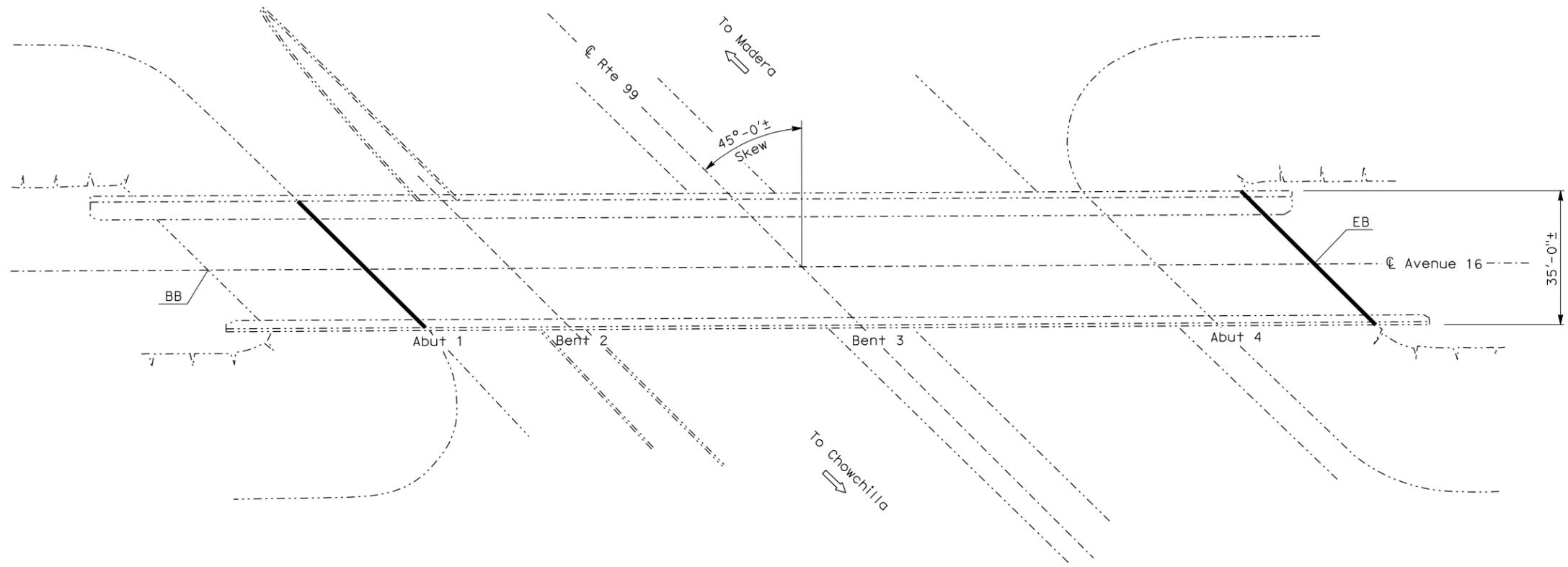
NOTE:  
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE	BRIDGE NO.	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>FRESNO RIVER BRIDGE</b> <b>GENERAL PLAN 14</b>	
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	STRUCTURE MAINTENANCE AND INVESTIGATIONS		41-0052
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED D. Klein			POST MILE		
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)								CONTRACT NO.: 06-0K4201	REVISION DATES	SHEET 14 OF 20

TIME PLOTTED => 17:29  
 DATE PLOTTED => 09-FEB-2012  
 USERNAME => s114592

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	24	29

*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE  
 02-13-12  
 PLANS APPROVAL DATE  
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.  
 To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



**15 AVENUE 16 OC**  
 Br No. 41-0058, Rte 99, PM 12.75  
 No Scale

**LEGEND:**

- Indicates existing structure
- ⇒ Indicates direction of traffic
- /— Indicates location of clean expansion joint and place new joint seal. For details, see "JOINT SEAL AND DECK REPAIR DETAILS" sheet.
- ⊖ Indicates bridge location, see "Title" sheet.

AVENUE 16 OC	BRIDGE NO. 41-0058
QUANTITIES	
CLEAN EXPANSION JOINT	98 LF
JOINT SEAL (MR 1")	98 LF

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

 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO. 41-0058	REPLACE JOINT SEALS, TREAT BRIDGE DECKS, & BRIDGE DECK OVERLAY <b>AVENUE 16 OVERCROSSING</b> <b>GENERAL PLAN 15</b>
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	POST MILE 12.75	
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED	D. Klein	UNIT: 0989 PROJECT NUMBER & PHASE: 0600020108	CONTRACT NO.: 06-0K4201	REVISION DATES
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)									
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS									
0 1 2 3									
FILE => 06-0k4201-a-gp15.dgn									

USERNAME => s1114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:30

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	25	29

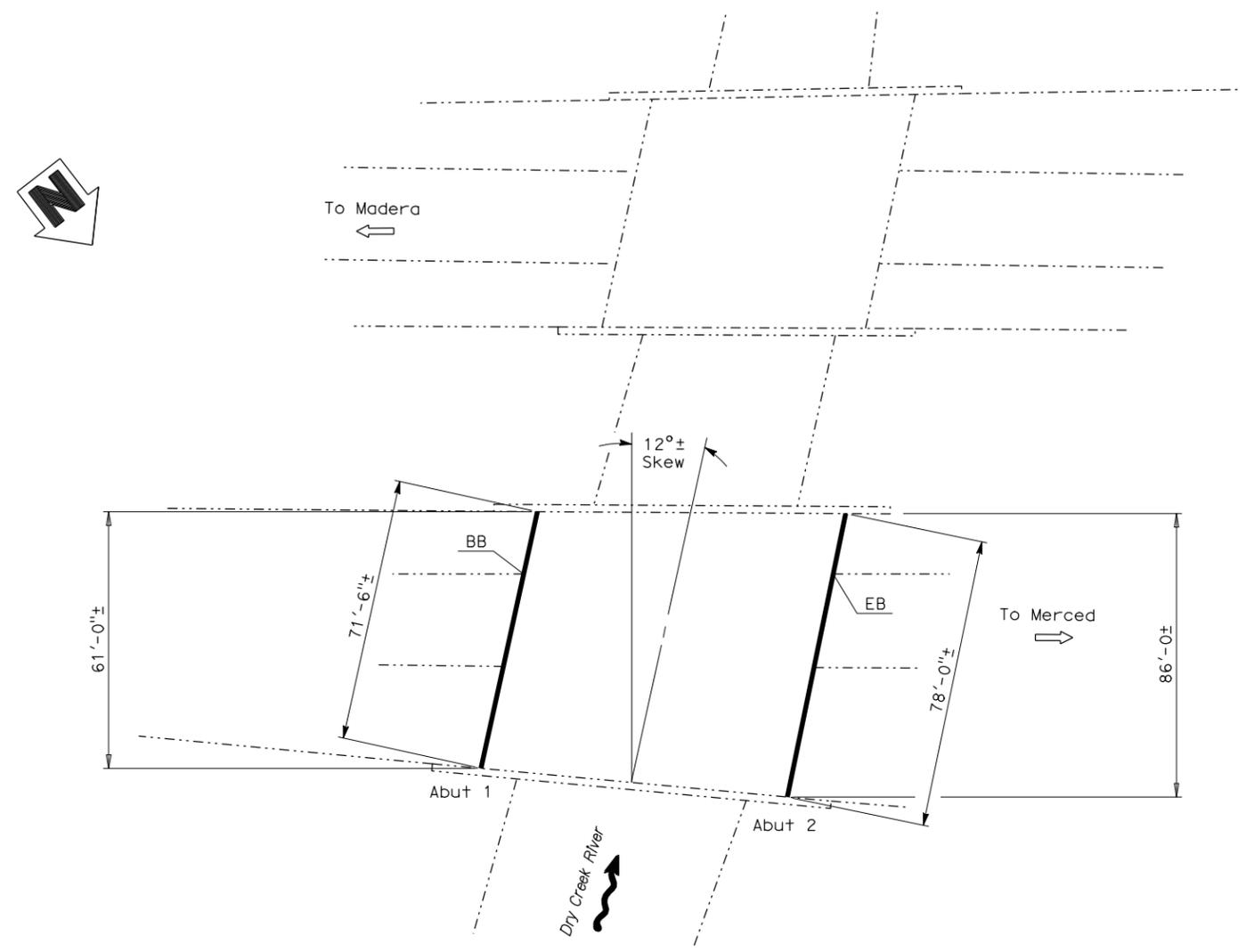
*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE

02-13-12  
 PLANS APPROVAL DATE

Michael Bahrami  
 No. 58795  
 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.

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



**16 DRY CREEK BRIDGE**  
 Br No. 41-0005R, Rte 99, PM R16.10  
 No Scale

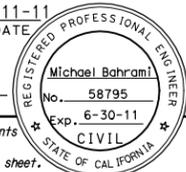
- LEGEND:**
- Indicates existing structure
  - ⇒ Indicates direction of traffic
  - /— Indicates location of clean expansion joint and place new joint seal. For details, see "JOINT SEAL AND DECK REPAIR DETAILS" sheet.
  - ⊖ Indicates bridge location. see "Title" sheet.

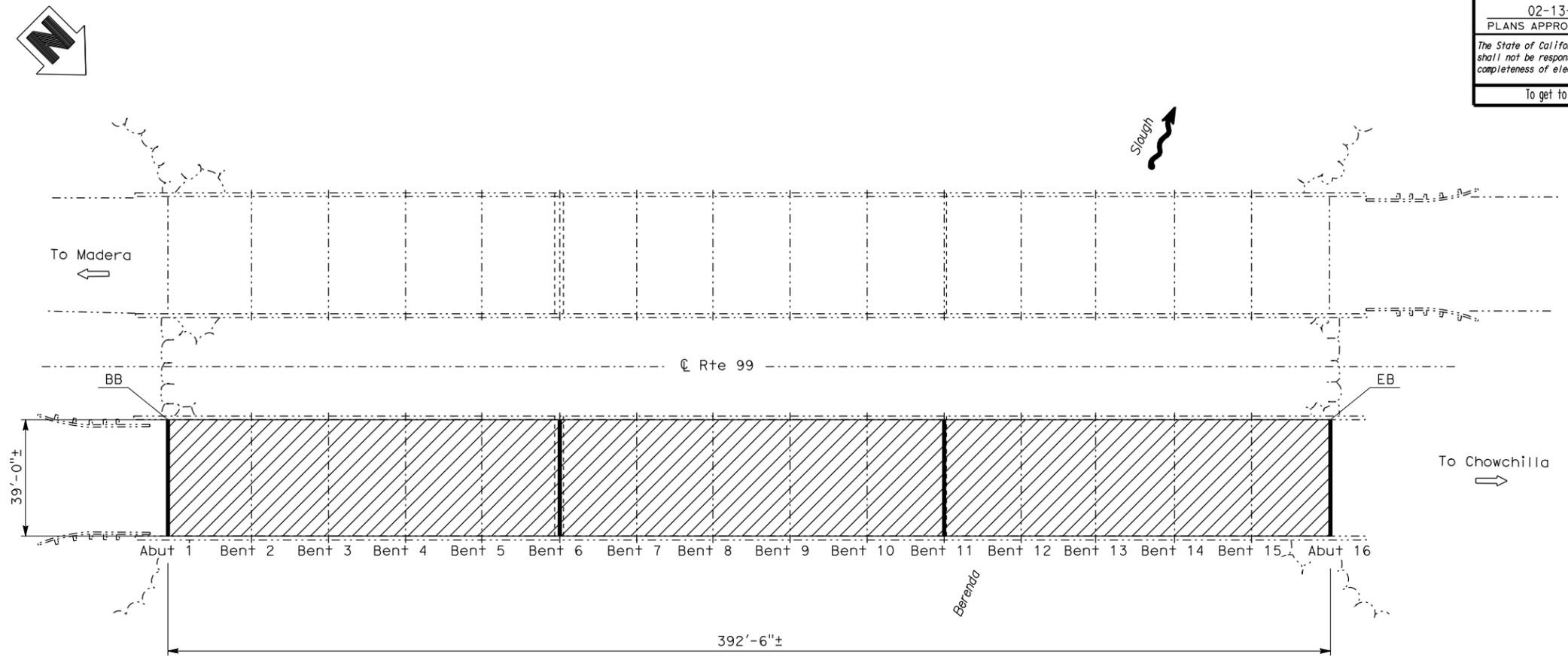
DRY CREEK BRIDGE	BRIDGE NO. 41-0005R
	QUANTITIES
CLEAN EXPANSION JOINT	150 LF
JOINT SEAL (MR 1/2")	150 LF

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

 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE	BRIDGE NO.	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>DRY CREEK BRIDGE</b> <b>GENERAL PLAN 16</b>		
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	STRUCTURE MAINTENANCE AND INVESTIGATIONS		41-0005R	
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED D. Klein		POST MILE			
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: 0989	REVISION DATES	SHEET 16 OF 20
							PROJECT NUMBER & PHASE: 0600020108	CONTRACT NO.: 06-0K4201	05-16-11 07-01-11		
FILE => 06-0k4201-a-gp16.dgn											

USERNAME => s1114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:30

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	26	29
 REGISTERED CIVIL ENGINEER DATE 10-11-11					
02-13-12 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					
To get to the Caltrans web site, go to: <a href="http://www.dot.ca.gov">http://www.dot.ca.gov</a>					



**17 BERENDA SLOUGH BRIDGE**  
 Br No. 41-0044R, Rte 99, PM 24.78  
 No Scale

**LEGEND:**

- Indicates existing structure
- Indicates direction of traffic
- /— Indicates location of clean expansion joint and place new joint seal. For details, see "JOINT SEAL AND DECK REPAIR DETAILS" sheet.
- ▨ Indicates limits of Prepare concrete bridge deck surface and Treat Bridge Deck with high molecular weight methacrylate.
- ⊖ Indicates bridge location. see "Title" sheet.

BERENDA SLOUGH BRIDGE		BRIDGE NO. 41-0044R	
QUANTITIES			
PREPARE CONCRETE BRIDGE DECK SURFACE	15,320	SQFT	
CLEAN EXPANSION JOINT	164	LF	
JOINT SEAL (MR 1")	164	LF	
TREAT BRIDGE DECK	15,320	SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	170	GAL	

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

 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE	BRIDGE NO.	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>BERENDA SLOUGH BRIDGE</b> <b>GENERAL PLAN 17</b>		
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	STRUCTURE MAINTENANCE AND INVESTIGATIONS		41-0005R	
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED D. Klein		POST MILE			
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)								24.78			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS						0 1 2 3	UNIT: 0989	PROJECT NUMBER & PHASE: 0600020108	CONTRACT NO.: 06-0K4201	REVISION DATES	
								05-16-11	07-01-11	12-05-11	SHEET 17 OF 20

USERNAME => s1114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:30

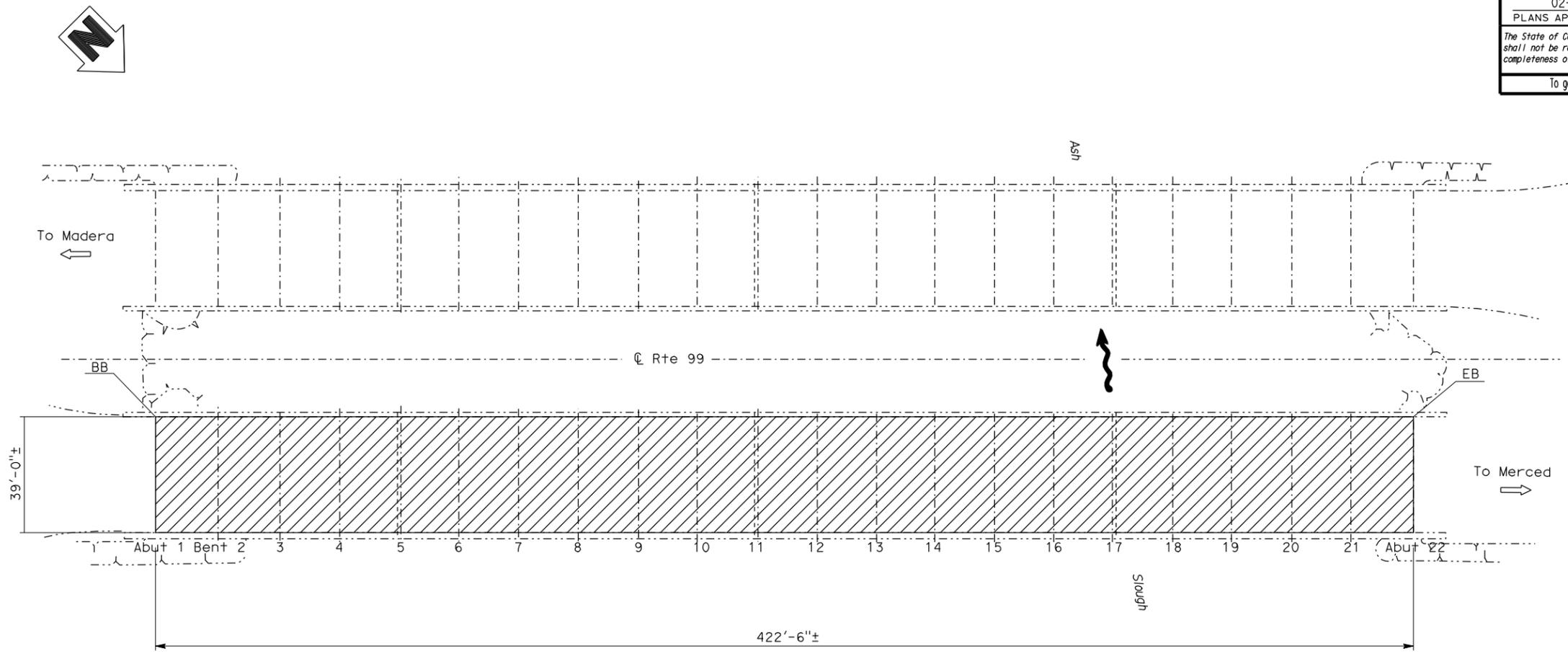
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	27	29

*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE

02-13-12  
 PLANS APPROVAL DATE

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

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



**18 ASH SLOUGH BRIDGE**  
 Br No. 41-0045R, Rte 99, PM 26.80  
 No Scale

**LEGEND:**

- Indicates existing structure
- ⇒ Indicates direction of traffic
- ▨ Indicates limits of Prepare concrete bridge deck surface and Treat Bridge Deck with high molecular weight methacrylate.
- Indicates bridge location. see "Title" sheet.

ASH SLOUGH BRIDGE		BRIDGE NO. 41-0045R	
QUANTITIES			
PREPARE CONCRETE BRIDGE DECK SURFACE	16,490	SQFT	
TREAT BRIDGE DECK	16,490	SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	185	GAL	

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

 DESIGN ENGINEER 10-13-11	DESIGN BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO. 41-0045R	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>ASH SLOUGH BRIDGE</b> <b>GENERAL PLAN 18</b>
	DETAILS BY B. Ballesteros	CHECKED H. Su	LAYOUT BY B. Ballesteros	CHECKED M. Bahrami		PROJECT NUMBER & PHASE: 0600020108	POST MILE 26.80	
QUANTITIES BY H. Su	CHECKED C. Lee	SPECIFICATIONS BY D. Klein	PLANS AND SPECS COMPARED D. Klein	UNIT: 0989	CONTRACT NO.: 06-0K4201	05-16-11 07-01-11 12-05-11	SHEET 18 OF 20	

USERNAME => s1114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:30

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	28	29

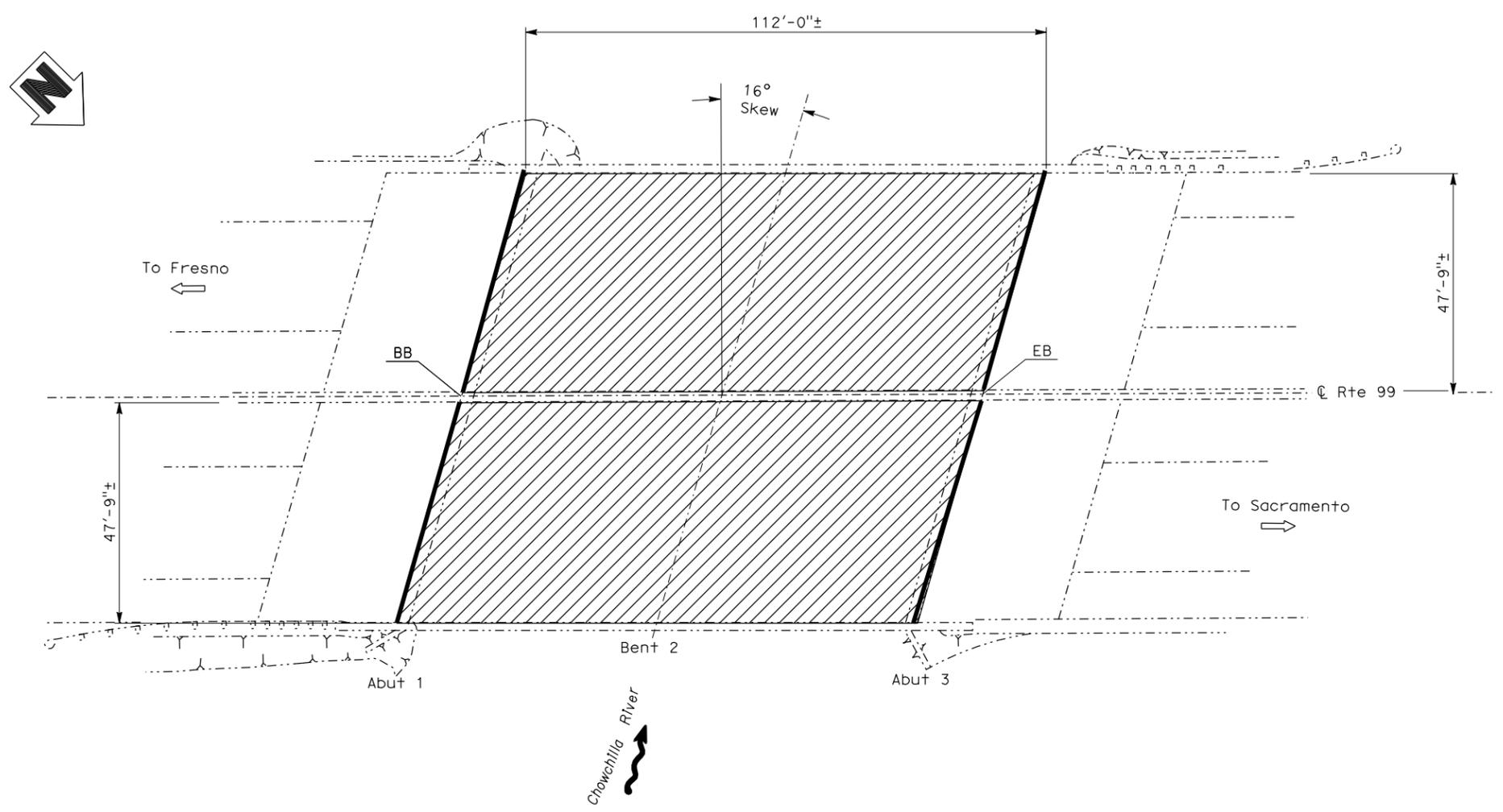
*Michael Bahrami* 10-11-11  
 REGISTERED CIVIL ENGINEER DATE

02-13-12  
 PLANS APPROVAL DATE

Michael Bahrami  
 No. 58795  
 Exp. 6-30-11  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 STATE OF CALIFORNIA

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

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



**19 CHOWCHILLA RIVER BRIDGE**  
 Br No. 41-0001, Rte 99, PM 29.33  
 No Scale

**LEGEND:**

- Indicates existing structure
- ⇒ Indicates direction of traffic
- /— Indicates location of clean expansion joint and place new joint seal. For details, see "JOINT SEAL AND DECK REPAIR DETAILS" sheet.
- ▨ Indicates limits of Prepare concrete bridge deck surface and Treat Bridge Deck with high molecular weight methacrylate.
- ⊖ Indicates bridge location. see "Title" sheet.

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

CHOWCHILLA RIVER BRIDGE		BRIDGE NO. 41-0001	
QUANTITIES			
PREPARE CONCRETE BRIDGE DECK SURFACE	10,920	SQFT	
CLEAN EXPANSION JOINT	206	LF	
JOINT SEAL (MR $\frac{1}{2}$ " )	206	LF	
TREAT BRIDGE DECK	10,920	SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	125	GAL	

 DESIGN ENGINEER 10-13-11	DESIGN	BY M. Bahrami	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	DIVISION OF MAINTENANCE	BRIDGE NO.	<b>REPLACE JOINT SEALS, TREAT BRIDGE DECKS, &amp; BRIDGE DECK OVERLAY</b> <b>CHOWCHILLA RIVER BRIDGE</b> <b>GENERAL PLAN 19</b>	
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros		CHECKED M. Bahrami	STRUCTURE MAINTENANCE AND INVESTIGATIONS		41-0001
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY D. Klein	PLANS AND SPECS COMPARED D. Klein		POST MILE		
STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)								29.33		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS						0 1 2 3	UNIT: 0989 PROJECT NUMBER & PHASE: 0600020108	CONTRACT NO.: 06-0K4201	SHEET 19 OF 20	
FILE => 06-0k4201-a-gp19.dgn										

USERNAME => s1114592 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 17:30

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre, Mad	99	Var	29	29

<i>Michael Bahrami</i>	10-11-11
REGISTERED CIVIL ENGINEER	DATE
02-13-12	
PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.	
STATE OF CALIFORNIA	
To get to the Caltrans web site, go to: <a href="http://www.dot.ca.gov">http://www.dot.ca.gov</a>	

### JOINT SEAL TABLE

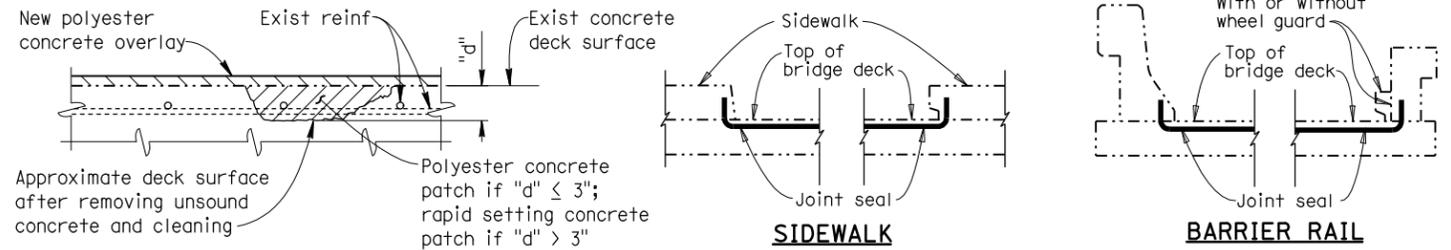
BRIDGE LOCATION NO.	BRIDGE NUMBER	BRIDGE NAME	LOCATION	EXISTING WATERSTOP	APPROX. DEPTH TO CLEAN JOINTS	TYPE OF JOINT SEAL		
						MR=1/2" (LF)	MR=1" (LF)	Bonded MR=1.5" (LF)
④	42-0201	MANNING AVENUE OC	Abut 1	Yes	1			68
			Abut 5	Yes	1			68
⑤	42-0205	AMERICAN AVENUE UC	Abut 1	Yes	1			53
			Abut 5	Yes	1			53
⑥	42-0218K	RTE 99 SB OFF RAMP/RTE 99 SEP	Abut 1	Yes	1			43
			Abut 5	Yes	1			106
⑦	42-0159	KERN STREET OC	Abut 1	Yes	1	65		
			Abut 3	Yes	1	65		
⑧	42-0186	BELMONT AVENUE OC	Abut 1	Yes	1		77	
			Abut 3	Yes	1		89	
⑨	42-0191Y	FRESNO YARD OC	Abut 1	Yes	1		117	
			Bent 2	Yes	1		46	
			Abut 3	Yes	1		70	
⑭	42-0052	FRESNO RIVER	Bent 4	Yes	1			127
			Bent 9	Yes	1			127
⑮	41-0058	Avenue 16 OC	Abut 1	Yes	1		49	
			Abut 4	Yes	1		49	
⑯	41-0005R	DRY CREEK	Abut 1	Yes	1	72		
			Abut 4	Yes	1	78		
⑰	41-0044R	BERENDA SLOUGH BRIDGE	Abut 1	No	1		41	
			Bent 6	Yes	6		41	
			Bent 11	Yes	6		41	
			Abut 16	No	1		41	
⑲	41-0001	CHOWCHILLA	Abut 1	Yes	1			100
			Abut 3	Yes	1			100

The following notes apply 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 Sheet 11.

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.



### DECK DAMAGE REPAIR DETAIL

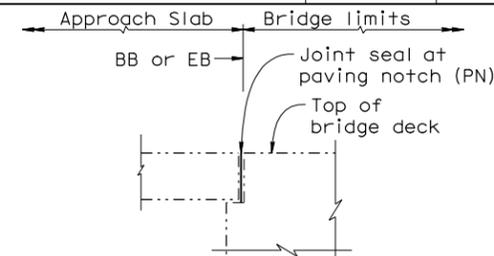
Note: Reinforcement may be encountered during deck concrete removal

### JOINT SEAL AT LOW SIDE OF DECK

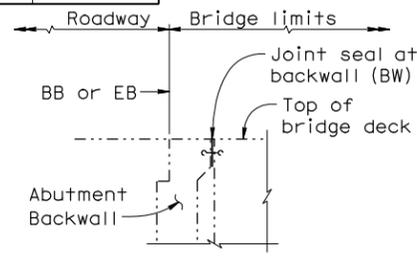
Details shown for illustration purposes only. For use only where deck joint matches sidewalk, curb or barrier rail joint. NO SCALE

### DECK REPAIR TABLE

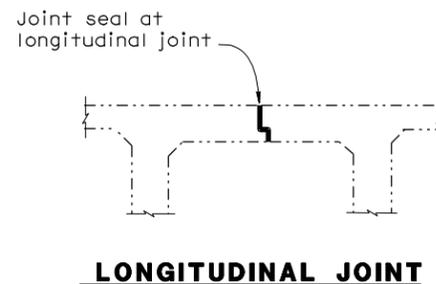
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (%)	APPROXIMATE DEPTH (INCHES)
Mountain View Ave OC	42-0219	1	3"



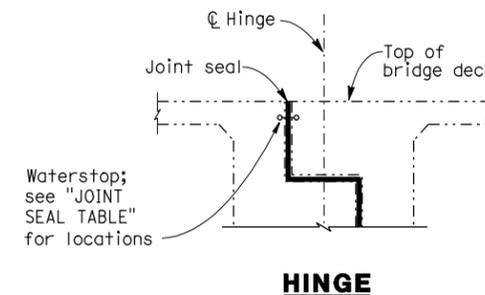
**DIAPHRAGM ABUTMENT**



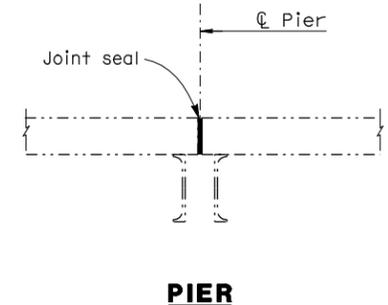
**ABUTMENT WITH BACKWALL**



**LONGITUDINAL JOINT**



**HINGE**



**PIER**

### JOINT SEAL LOCATION

No Scale

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

DESIGN	BY H. Su	CHECKED C. Lee
DETAILS	BY B. Ballesteros	CHECKED H. Su
QUANTITIES	BY H. Su	CHECKED C. Lee

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO. Various  
POST MILE Var

REPLACE JOINT SEALS, TREAT BRIDGE DECKS, & BRIDGE DECK OVERLAY

VARIOUS BRIDGES

JOINT SEAL AND DECK REPAIR DETAILS