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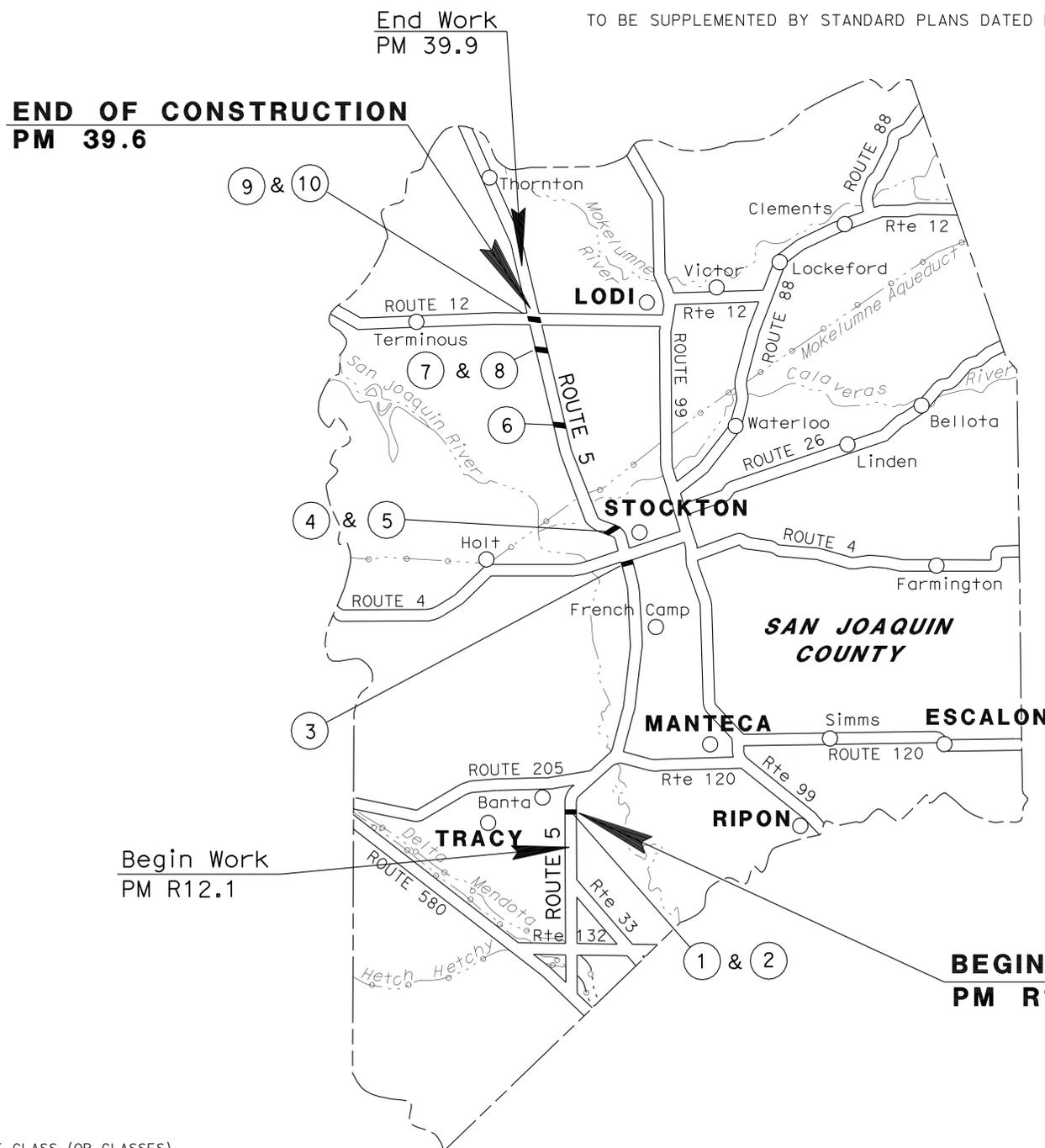
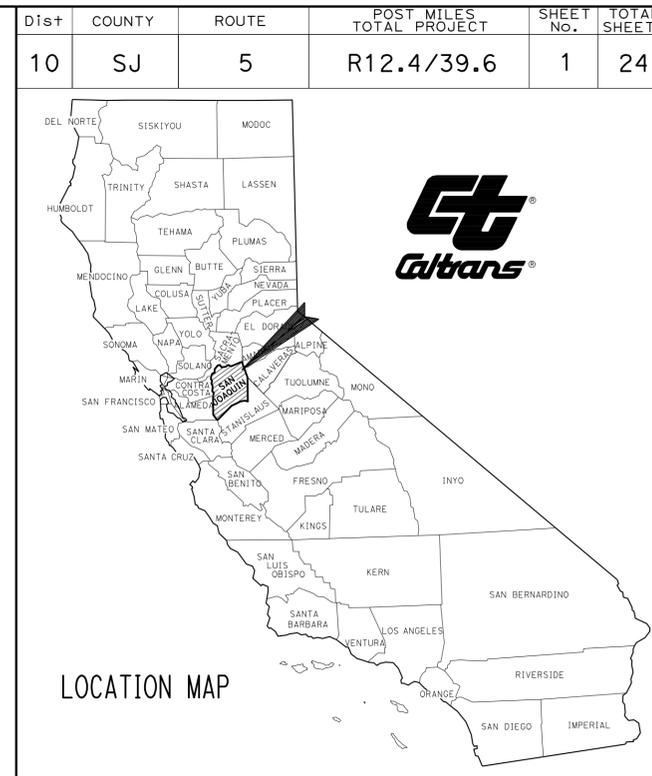
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN SAN JOAQUIN COUNTY
AT VARIOUS LOCATIONS
FROM TOM PAINE SLOUGH
TO ROUTE 5/12 SEPARATION

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION

Loc	Rte	PM	STRUCTURE NAME	Br No.
①	5	R12.39	TOM PAINE SLOUGH	29-0265L
②	5	R12.40	TOM PAINE SLOUGH	29-0265R
③	5	26.11	NORTH & SOUTH Rte 5 - EAST Rte 4 CONNECTOR UC	29-0239H
④	5	26.47	STOCKTON CHANNEL VIADUCT	29-0176R
⑤	5	26.48	STOCKTON CHANNEL VIADUCT	29-0176L
⑥	5	34.26	BEAR CREEK	29-0177L
⑦	5	38.06	THORNTON ROAD CONNECTOR UC	29-0254L
⑧	5	38.06	THORNTON ROAD CONNECTOR UC	29-0254R
⑨	5	39.55	ROUTE 5/12 SEPARATION	29-0255L
⑩	5	39.55	ROUTE 5/12 SEPARATION	29-0255R

PROJECT MANAGER
ALVIN MANGINDIN

DESIGN ENGINEER
ALVIN MANGINDIN

Begin Work
PM R12.1

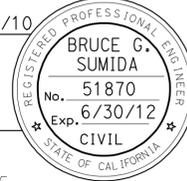
BEGIN CONSTRUCTION
PM R12.4

NO SCALE

Bruce G. Sumida 12/10/10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

January 31, 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.	10-OU5804
PROJECT ID	1000000351

CONSTRUCTION AREA SIGNS (PORTABLE)

SIGN No.	SIGN CODE	PANEL SIZE	No. OF SIGNS	No. OF POSTS AND SIZE	SIGN MESSAGE
(A)*	SC6-4(CA)	48" x 60"	1	1 - 6" x 6"	"RAMP CLOSED INFO"
(B)	M4-8	24" x 12"	1	1 - 4" x 6"	DETOUR
	G28-1(4)	18" x 21"			"4" SHIELD
(C)	M3-2	24" x 12"	1	1 - 4" x 6"	EAST
	M4-10(L+)	48" x 18"			DETOUR (ARROW)
(D)	M4-10(L+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(E)	SC3 (CA)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(F)	M4-8a	24" x 18"	1	1 - 4" x 4"	END DETOUR
(G)*	SC6-4(CA)	48" x 60"	1	1 - 6" x 6"	"RAMP CLOSED INFO"
(H)	M4-10(R+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(I)	SC3 (CA)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(J)	M4-8a	24" x 18"	1	1 - 4" x 4"	END DETOUR

TRAFFIC DETOUR PLAN (Rte 5 NB)

1. EB ROUTE 4 FROM NB ROUTE 5 CONNECTOR CLOSED
2. CONTINUE WB CONNECTOR TO WB ROUTE 4
3. TAKE LEFT ONTO FRESNO AVENUE
4. TAKE LEFT ONTO EB ROUTE 4

TRAFFIC DETOUR PLAN (Rte 5 NB & SB)

1. EB ROUTE 4 FROM SB ROUTE 5 CLOSED (OVER MADISON ST ONLY)
2. TAKE CENTER STREET OFF-RAMP
3. CONTINUE STRAIGHT ON EL DORADO STREET
4. TAKE EB ROUTE 4 ON-RAMP FROM EL DORADO STREET

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	2	24

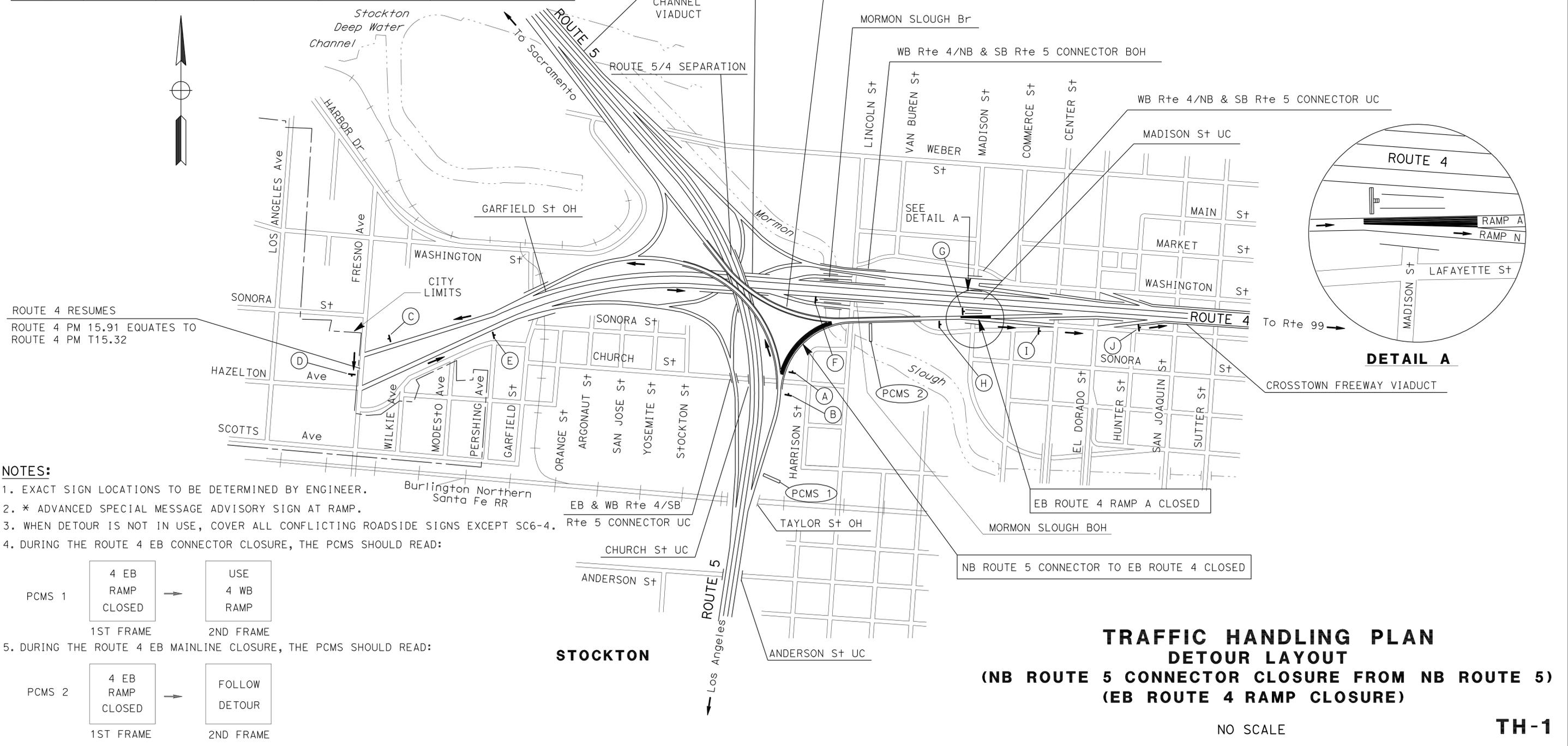
1/6/11
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 PLANS APPROVAL DATE

BRUCE G. SUMIDA
 No. 51870
 Exp. 6/30/12
 CIVIL

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

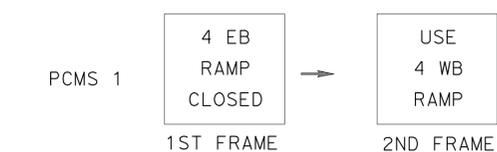
LEGEND:

- - SIGN No.
- ⊥ - CONSTRUCTION AREA SIGNS (PORTABLE)
- - DIRECTION OF TRAFFIC
- ▮ - PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

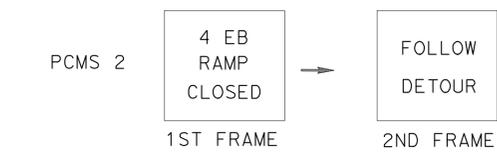


ROUTE 4 RESUMES
 ROUTE 4 PM 15.91 EQUATES TO
 ROUTE 4 PM T15.32

- NOTES:**
1. EXACT SIGN LOCATIONS TO BE DETERMINED BY ENGINEER.
 2. * ADVANCED SPECIAL MESSAGE ADVISORY SIGN AT RAMP.
 3. WHEN DETOUR IS NOT IN USE, COVER ALL CONFLICTING ROADSIDE SIGNS EXCEPT SC6-4.
 4. DURING THE ROUTE 4 EB CONNECTOR CLOSURE, THE PCMS SHOULD READ:



5. DURING THE ROUTE 4 EB MAINLINE CLOSURE, THE PCMS SHOULD READ:



**TRAFFIC HANDLING PLAN
 DETOUR LAYOUT
 (NB ROUTE 5 CONNECTOR CLOSURE FROM NB ROUTE 5)
 (EB ROUTE 4 RAMP CLOSURE)**

NO SCALE

TH-1

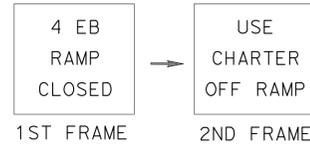
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 MAINTENANCE
 BRUCE SUMIDA
 THOA HUYNH
 1/6/11
 ALVIN MANGINDIN

CONSTRUCTION AREA SIGNS (PORTABLE)

SIGN No.	SIGN CODE	PANEL SIZE	No. OF SIGNS	No. OF POSTS AND SIZE	SIGN MESSAGE
(A)*	SC6-4(CA)	48" x 60"	1	1 - 6" x 6"	"RAMP CLOSED INFO"
(B)	M4-8	24" x 12"	1	1 - 4" x 4"	DETOUR
	G27-1(5)	24" x 24"	1		"5" SHIELD
(C)	M4-10(R+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(D)	M4-10(L+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(E)	M4-10(L+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(F)	M4-10(R+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(G)	M4-8a	24" x 18"	1	1 - 4" x 4"	END DETOUR

NOTES:

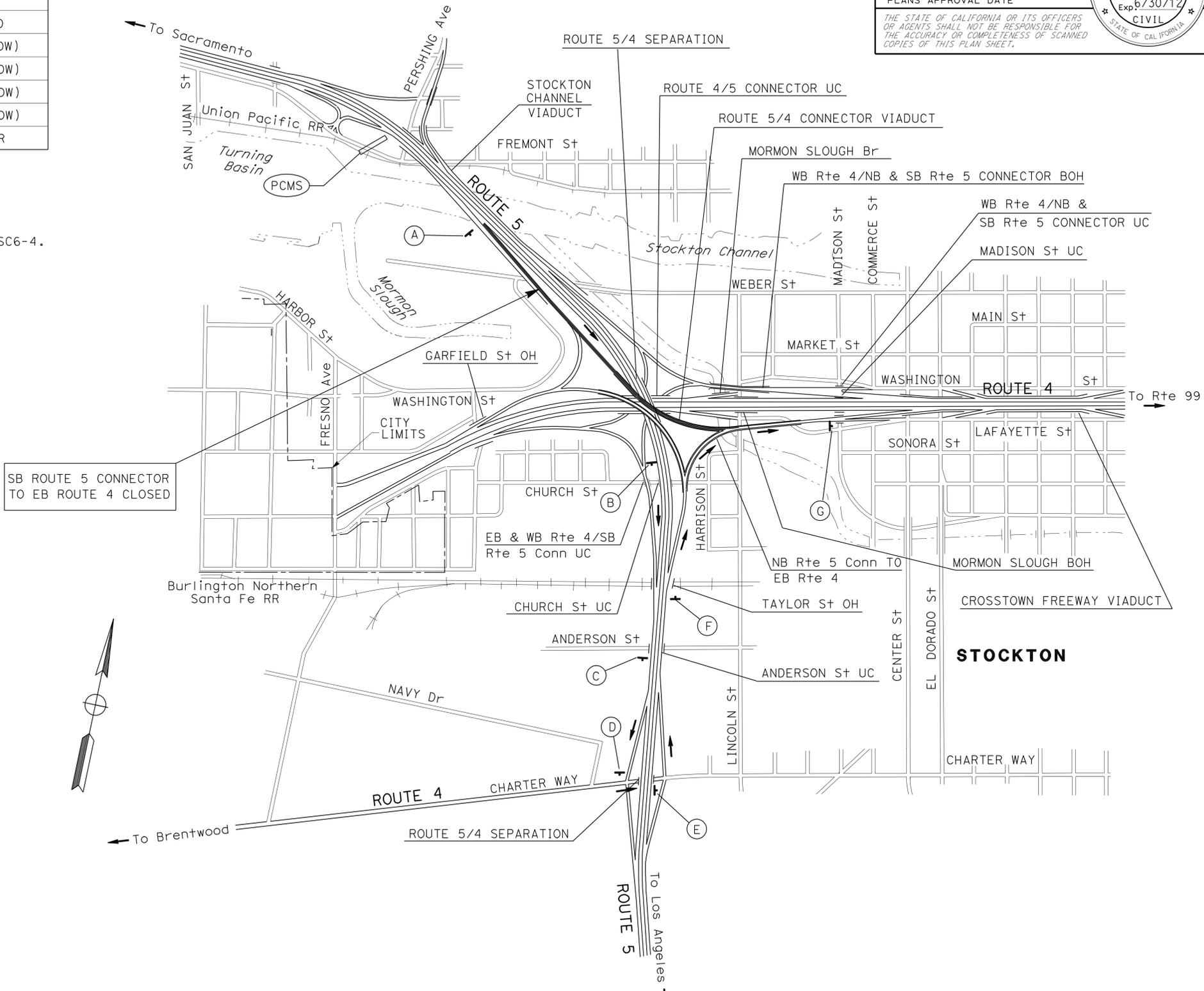
1. EXACT SIGN LOCATIONS TO BE DETERMINED BY ENGINEER.
2. * ADVANCED SPECIAL MESSAGE ADVISORY SIGN AT RAMP.
3. WHEN DETOUR IS NOT IN USE, COVER ALL CONFLICTING ROADSIDE SIGNS EXCEPT SC6-4.
4. DURING THE ROUTE 5 CLOSURE, THE PCMS SHOULD READ:



TRAFFIC DETOUR PLAN

1. EB ROUTE 4 CONNECTOR FROM SB ROUTE 5 CLOSED
2. CONTINUE SB ROUTE 5
3. TAKE SB ROUTE 5 CHARTER WAY OFF-RAMP
4. TAKE LEFT ONTO CHARTER WAY
5. TAKE LEFT ONTO NB ROUTE 5 ON-RAMP FROM CHARTER WAY
6. TAKE CONNECTOR TO EB ROUTE 4

SB ROUTE 5 CONNECTOR TO EB ROUTE 4 CLOSED



**TRAFFIC HANDLING PLAN
DETOUR LAYOUT
(SB ROUTE 5 CONNECTOR CLOSURE TO EB ROUTE 4)**

NO SCALE

TH-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	3	24

Bruce G. Sumida 1/6/11
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BRUCE G. SUMIDA
 No. 51870
 Exp. 6/30/12
 CIVIL
 STATE OF CALIFORNIA

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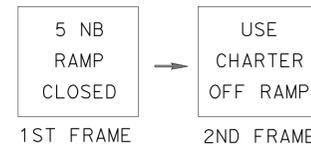
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE
 Caltrans
 FUNCTIONAL SUPERVISOR: ALVIN MANGINDIN
 CALCULATED/DESIGNED BY: THOA HUYNH
 CHECKED BY: THOA HUYNH
 REVISIONS: 1/24/11
 REVISOR: BS

CONSTRUCTION AREA SIGNS (PORTABLE)

SIGN No.	SIGN CODE	PANEL SIZE	No. OF SIGNS	No. OF POSTS AND SIZE	SIGN MESSAGE
(A)*	SC6-4(CA)	48" x 60"	1	1 - 6" x 6"	"RAMP CLOSED INFO"
(B)	M4-8	24" x 12"	1	1 - 4" x 4"	DETOUR
	G27-1(5)	24" x 24"	1		"5" SHIELD
(C)	M4-10(R+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(D)	M4-10(L+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(E)	M4-10(L+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(F)	SC(CA)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(G)	M4-8a	24" x 18"	1	1 - 4" x 4"	END DETOUR
(H)	SC6-4(CA)	48" x 60"	1	1 - 6" x 6"	"RAMP CLOSED INFO"
(I)	M4-10(R+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)

NOTES:

- EXACT SIGN LOCATIONS TO BE DETERMINED BY ENGINEER.
- * ADVANCED SPECIAL MESSAGE ADVISORY SIGN AT RAMP.
- WHEN DETOUR IS NOT IN USE, COVER ALL CONFLICTING ROADSIDE SIGNS EXCEPT SC6-4.
- DURING THE ROUTE 5 CLOSURE, THE PCMS SHOULD READ:

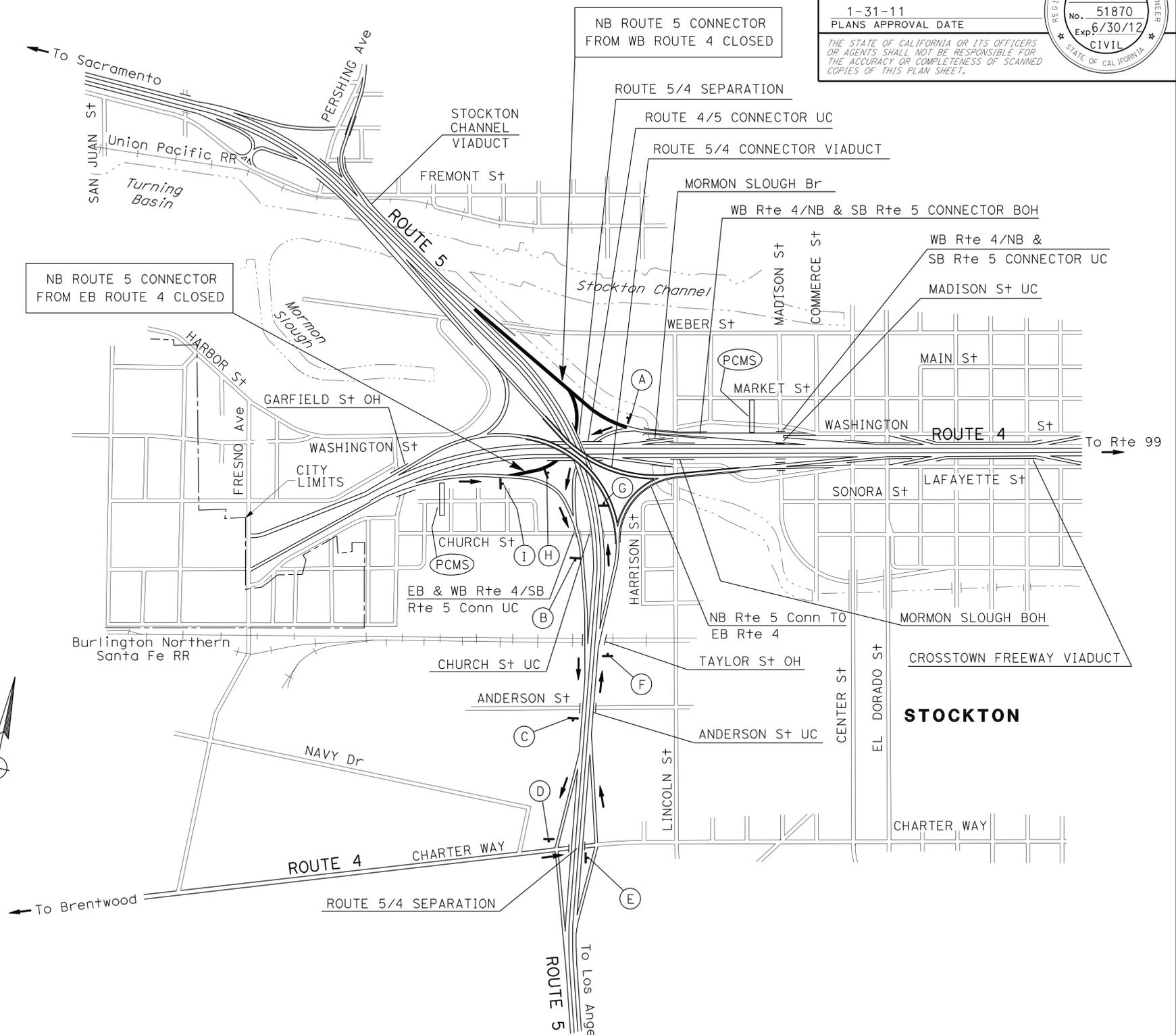


TRAFFIC DETOUR PLAN (FROM WB Rte 4)

- NB ROUTE 5 CONNECTOR FROM WB ROUTE 4 CLOSED
- CONTINUE SB ROUTE 5
- TAKE SB ROUTE 5 CHARTER WAY OFF-RAMP
- TAKE LEFT ONTO CHARTER WAY
- TAKE LEFT ONTO NB ROUTE 5 ON-RAMP FROM CHARTER WAY

TRAFFIC DETOUR PLAN (FROM EB Rte 4)

- NB ROUTE 5 CONNECTOR FROM EB ROUTE 4 CLOSED
- CONTINUE SB ROUTE 5
- TAKE SB ROUTE 5 CHARTER WAY OFF-RAMP
- TAKE LEFT ONTO CHARTER WAY
- TAKE LEFT ONTO NB ROUTE 5 ON-RAMP FROM CHARTER WAY



**TRAFFIC HANDLING PLAN
DETOUR LAYOUT**

**(NB ROUTE 5 CONNECTOR CLOSURE FROM WB ROUTE 4)
(NB ROUTE 5 CONNECTOR CLOSURE FROM EB ROUTE 4)**

NO SCALE

TH-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	5	24

Bruce G. Sumida 1/6/11
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BRUCE G. SUMIDA
 No. 51870
 Exp. 6/30/12
 CIVIL
 STATE OF CALIFORNIA

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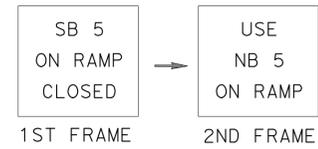
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE
 BRUCE SUMIDA
 THOA HUYNH
 ALVIN MANGINDIN
 1/24/11

CONSTRUCTION AREA SIGNS (PORTABLE)

SIGN No.	SIGN CODE	PANEL SIZE	No. OF SIGNS	No. OF POSTS AND SIZE	SIGN MESSAGE
(A)*	SC6-4(CA)	48" x 60"	1	1 - 6" x 6"	"RAMP CLOSED INFO"
(B)	M4-8	24" x 12"	1	1 - 4" x 4"	DETOUR
	G27-1(5)	24" x 24"	1		"5" SHIELD
(C)	M4-10(R+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(D)	M4-10(R+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(E)	M4-10(L+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(F)	M4-10(L+)	48" x 18"	1	1 - 4" x 4"	DETOUR (ARROW)
(G)	M4-8a	24" x 18"	1	1 - 4" x 4"	END DETOUR

NOTES:

- EXACT SIGN LOCATIONS TO BE DETERMINED BY ENGINEER.
- * ADVANCED SPECIAL MESSAGE ADVISORY SIGN AT RAMP.
- WHEN DETOUR IS NOT IN USE, COVER ALL CONFLICTING ROADSIDE SIGNS EXCEPT SC6-4.
- DURING THE ROUTE 5 CLOSURE, THE PCMS SHOULD READ:



TRAFFIC DETOUR PLAN

- SB ROUTE 5 FROM WB ROUTE 12 ON-RAMP CLOSED
- CONTINUE WB ROUTE 12
- TAKE NB ON-RAMP TO NB ROUTE 5
- CONTINUE NB ROUTE 5
- TAKE NB ROUTE 5 OFF-RAMP TO TURNER Rd
- TAKE LEFT ONTO TURNER Rd
- TAKE LEFT ONTO SB ROUTE 5 ON-RAMP FROM TURNER Rd

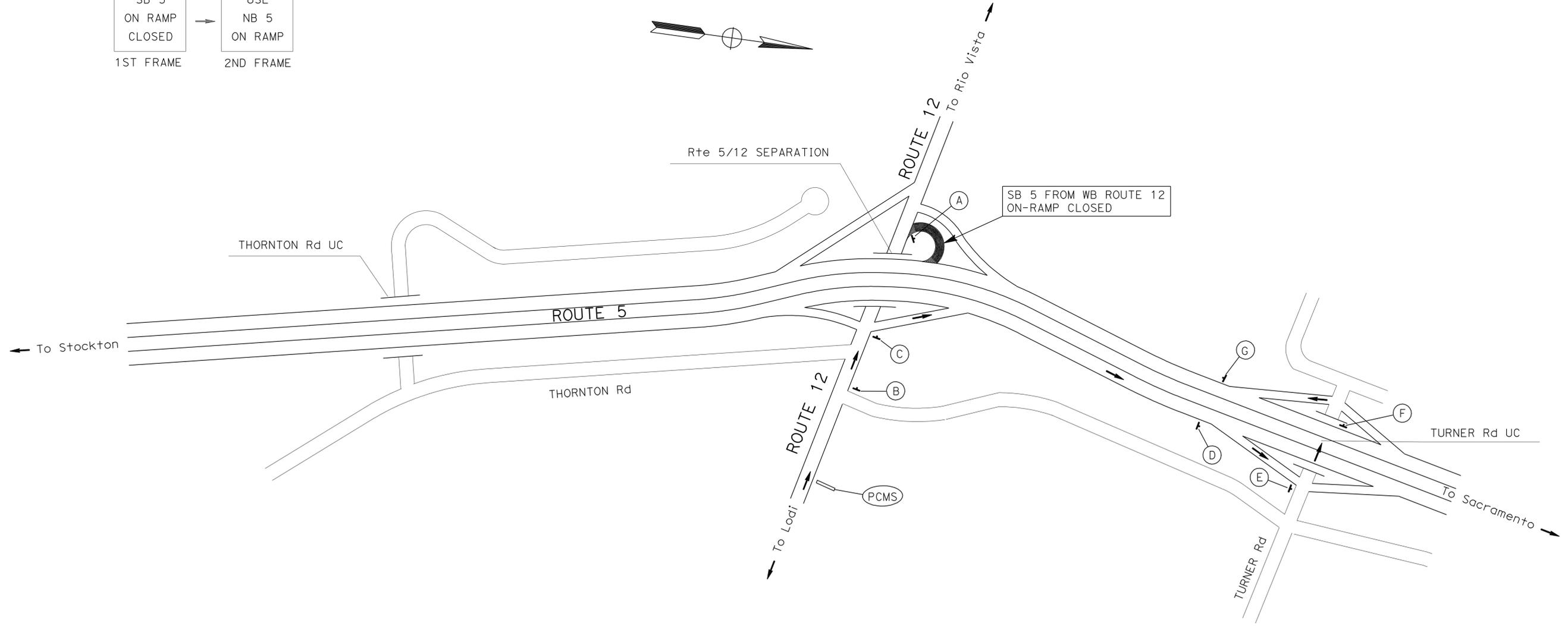
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	6	24

Bruce G. Sumida 12/10/10
 REGISTERED CIVIL ENGINEER DATE

1-31-11
 PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
BRUCE G. SUMIDA
 No. 51870
 Exp. 6/30/12
 CIVIL
 STATE OF CALIFORNIA



**TRAFFIC HANDLING PLAN
DETOUR LAYOUT
(SB ROUTE 5 ON-RAMP CLOSURE FROM WB ROUTE 12)**

NO SCALE

TH-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION MAINTENANCE
 Caltrans®
 FUNCTIONAL SUPERVISOR ALVIN MANGINDIN
 CALCULATED/DESIGNED BY
 BRUCE SUMIDA
 THOA HUYNH
 REVISOR DATE REVISOR
 BS 1/24/11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	7	24

Bruce G. Sumida 12/10/10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BRUCE G. SUMIDA
 No. 51870
 Exp. 6/30/12
 CIVIL
 STATE OF CALIFORNIA

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TRAFFIC MANAGEMENT SYSTEM ELEMENTS (EXISTING)

LOCATION	PM	Dir	LOCATION	TYPE
Rte 5	R12.11	NB	NORTH OF TRACY 11TH St EXIT	CCTV
	R12.6	SB	JUNCTION 205	CCTV
	R12.62	BOTH	JUNCTION Rte 205 WEST	TMS
	R12.65	NB	BEFORE JUNCTION Rte EB 205	TMS
	R12.73	SB	SOUTH OF PARADISE CUT	TMS
	R12.83	NB	BEFORE JUNCTION Rte EB 205	TMS
	R12.85		PARADISE CUT	RWIS
	26.47	SB	NORTH OF JUNCTION Rte 4	CCTV
	26.47	NB	STOCKTON CHANNEL VIADUCT	TMS
	26.48	SB	OFF-RAMP TO Rte 4	TMS
	26.49	SB	OFF-RAMP TO Rte 4/FRESNO Ave	TMS
	26.98	BOTH	NORTH OF SB ON-RAMP FROM PERSHING Ave	TMS
	34.46	NB	SOUTH OF EIGHT MILE Rd	EMS
	34.50	SB	McCAULIFFE Rd UC	TMS
	38.08	NB	NORTH OF VAN RUITEN UC	TMS
	38.09	SB	NORTH OF VAN RUITEN UC	TMS
	39.57	BOTH	NORTH OF JUNCTION Rte 12	TMS
	39.57	BOTH	SOUTH OF JUNCTION Rte 12	TMS

NOTE: TRAFFIC MANAGEMENT SYSTEM ELEMENTS LOCATIONS ARE APPROXIMATE.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

LOCATION		SIGN CODE	PANEL SIZE	POST SIZE & No. OF POST	No. OF SIGNS
PM	Dir				
R12.1	SB	W20-1	36" x 36"	1-4" x 6"	1
R12.1	NB	W20-1	36" x 36"	1-4" x 6"	2
R12.7	NB	G20-2	36" x 18"	1-4" x 4"	2
R12.7	SB	W20-1	36" x 36"	1-4" x 6"	2
R12.1	SB	G20-2	36" x 18"	1-4" x 4"	2
25.8	NB	W20-1	36" x 36"	1-4" x 6"	2
25.8	SB	G20-2	36" x 18"	1-4" x 4"	2
26.0	NB	W20-1	36" x 36"	1-4" x 6"	2
26.1	EB Rte 4	W20-1	36" x 36"	1-4" x 6"	3
26.1	EB Rte 4	G20-2	36" x 18"	1-4" x 4"	2
26.6	SB	G20-2	36" x 18"	1-4" x 4"	1
26.8	NB	G20-2	36" x 18"	1-4" x 4"	2
26.8	SB	W20-1	36" x 36"	1-4" x 6"	2
26.9	NB	G20-2	36" x 18"	1-4" x 4"	1
27.0	SB	W20-1	36" x 36"	1-4" x 6"	1
34.0	NB	W20-1	36" x 36"	1-4" x 6"	2
34.6	NB	G20-2	36" x 18"	1-4" x 4"	2
34.6	SB	W20-1	36" x 36"	1-4" x 6"	2
34.0	SB	G20-2	36" x 18"	1-4" x 4"	2
37.8	NB	W20-1	36" x 36"	1-4" x 6"	2
38.4	NB	G20-2	36" x 18"	1-4" x 4"	2
38.4	SB	W20-1	36" x 36"	1-4" x 6"	2
37.8	SB	G20-2	36" x 18"	1-4" x 4"	2
39.3	NB	W20-1	36" x 36"	1-4" x 6"	2
39.3	SB	G20-2	36" x 18"	1-4" x 4"	2
39.9	NB	G20-2	36" x 18"	1-4" x 4"	2
39.9	SB	W20-1	36" x 36"	1-4" x 6"	2

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

PAVEMENT DELINEATION ITEMS

LOCATION	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)			REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE		REMOVE PAVEMENT MARKER	PAVEMENT MARKER (RETROREFLECTIVE)	
	4" YELLOW	4" WHITE			DETAIL 25	DETAIL 12		DETAIL 27B	TYPE G DETAIL 12
	DETAIL 25	DETAIL 12	DETAIL 27B	EA			EA		
	LF			LF	LF		EA	EA	
1	60	120	30				5	3	2
2	60	120	30				5	3	2
8	87	174	87	87	174	87	8	5	3
10	208	416	208	208	416	208	15	10	5
SUBTOTAL	415	1185		295	885		33	21	12
TOTAL	1600			295	885		33	33	

SUMMARY OF QUANTITIES
Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 MAINTENANCE
 FUNCTIONAL SUPERVISOR: ALVIN MANGINDIN
 CALCULATED/DESIGNED BY: THOA HUYNH
 CHECKED BY: THOA HUYNH
 BRUCE SUMIDA
 REVISOR: THOA HUYNH
 REVISION DATE: 8/16/10
 BS
 8/16/10



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	8	24

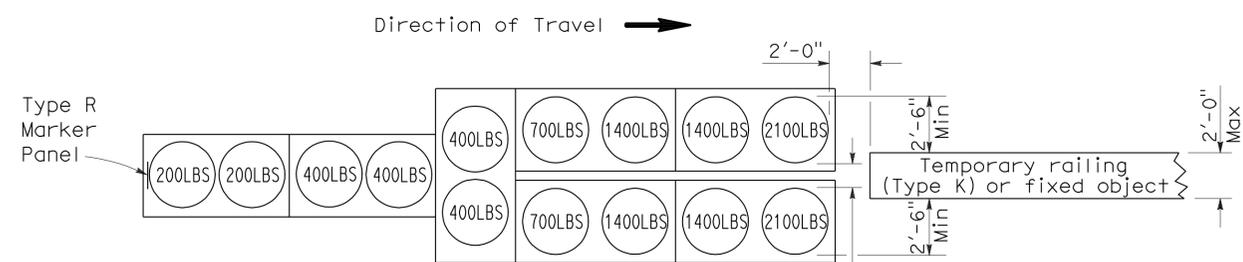
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

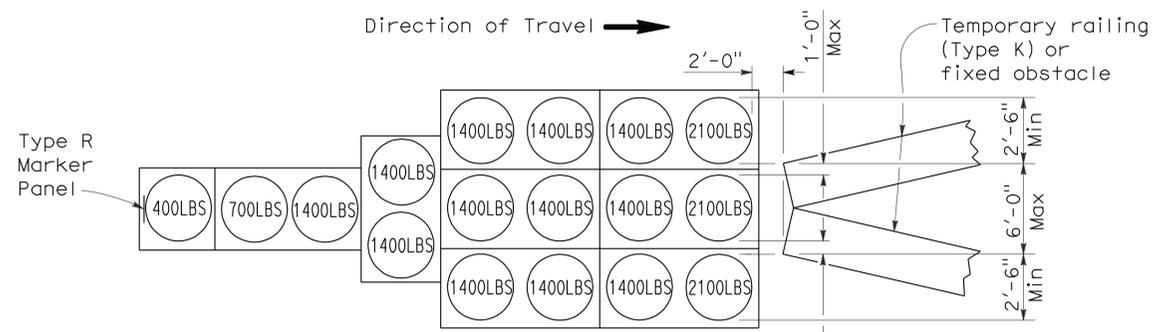
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 1-31-11



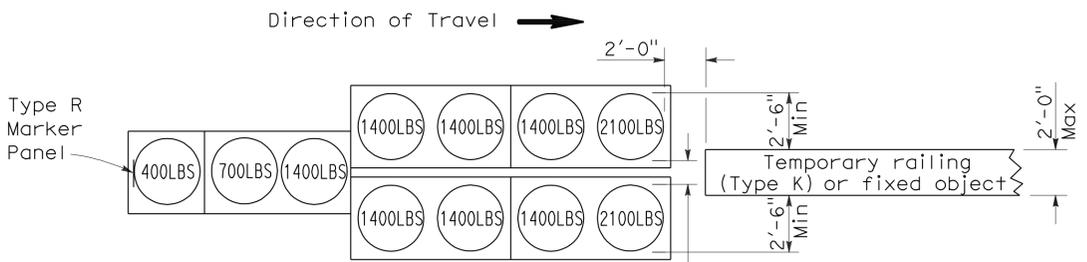
ARRAY 'TU14'

Approach speed 45 mph or more



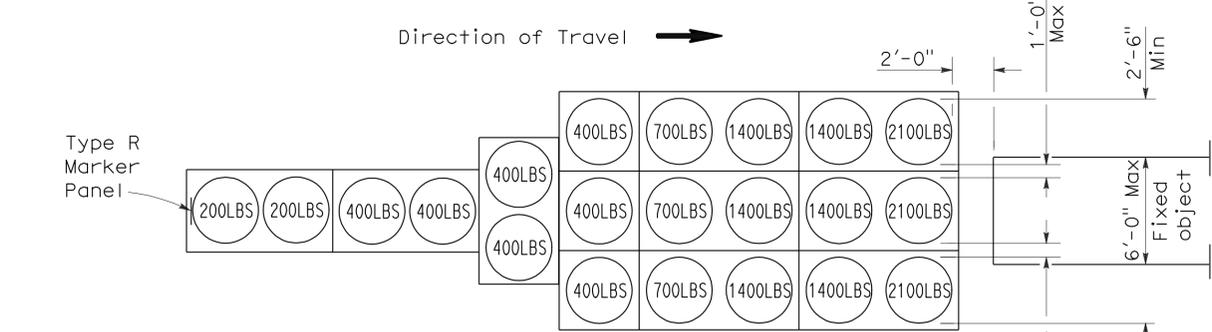
ARRAY 'TU17'

Approach speed less than 45 mph



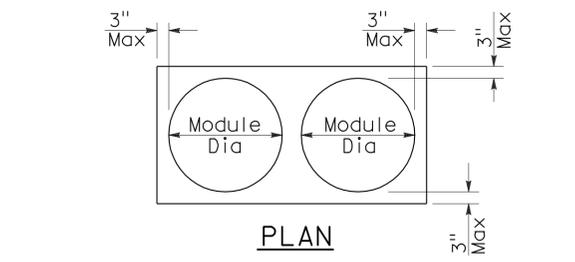
ARRAY 'TU11'

Approach speed less than 45 mph

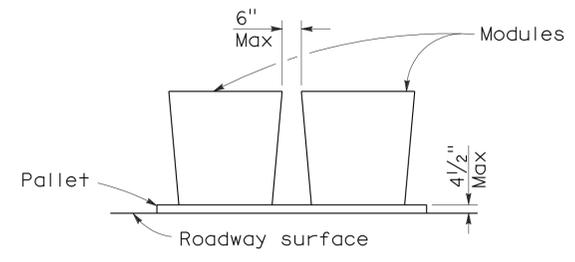


ARRAY 'TU21'

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

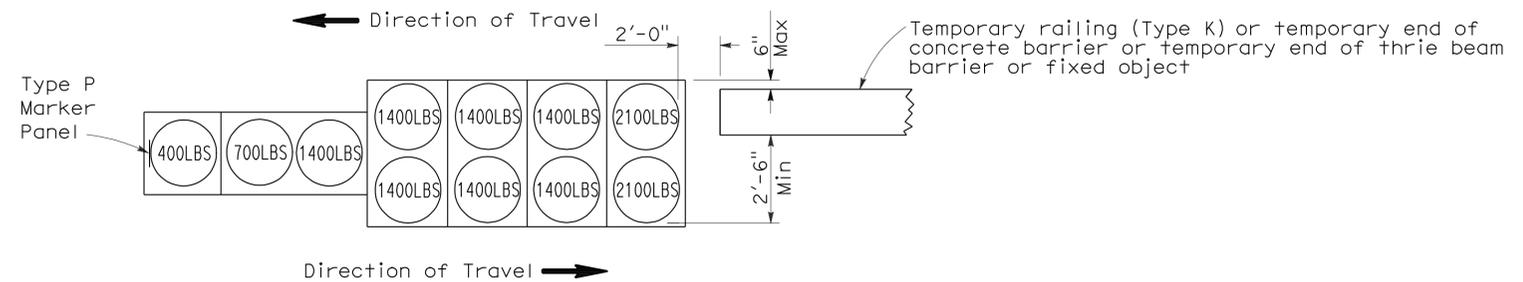
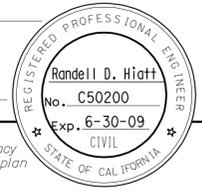
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	9	24

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

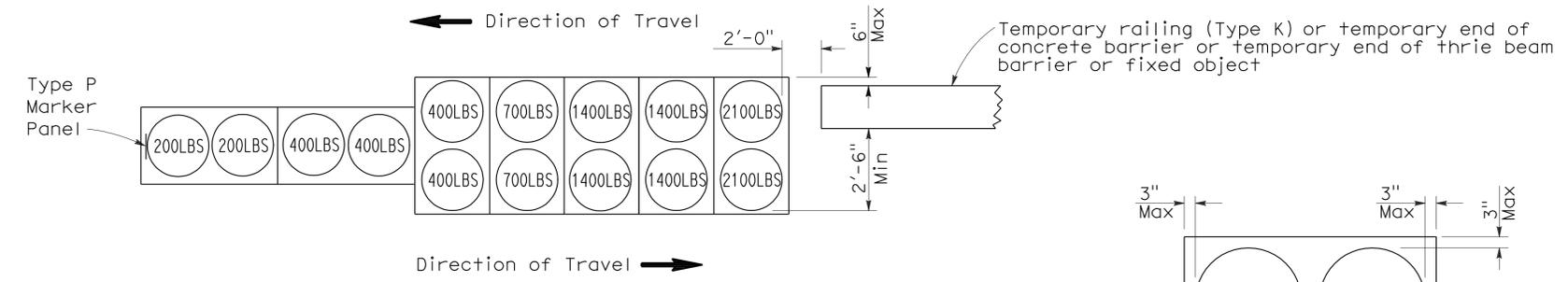
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 1-31-11



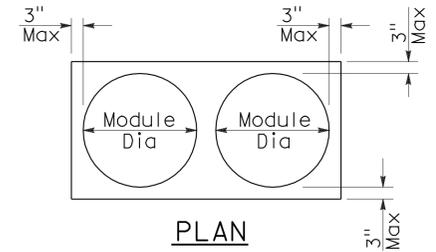
ARRAY 'TB11'

Approach speed less than 45 mph

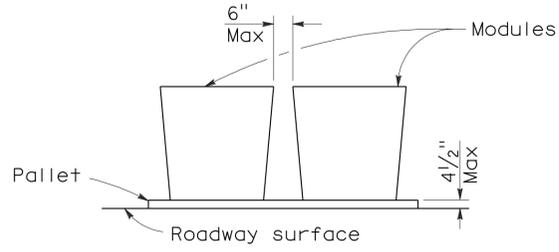


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	10	24

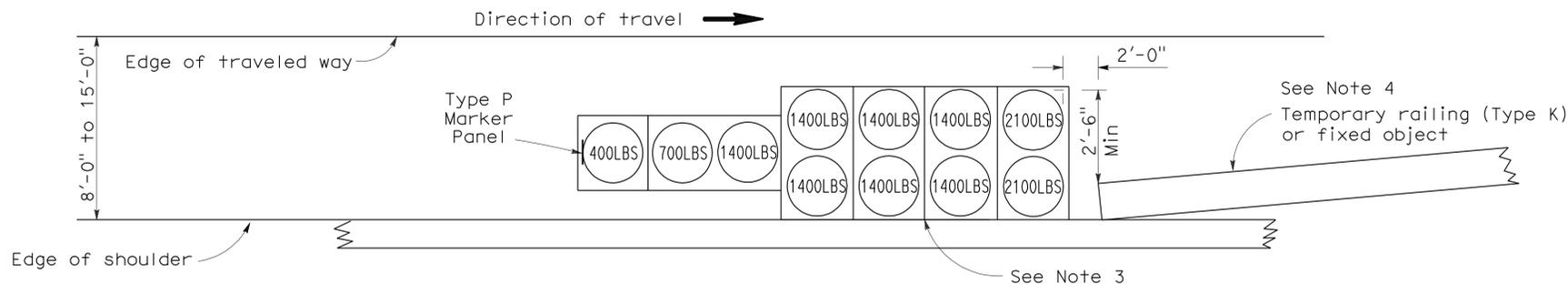
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

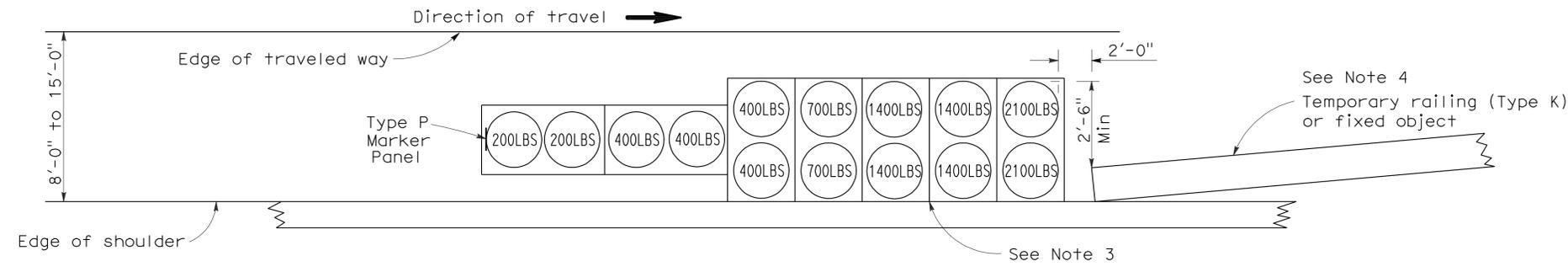
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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 1-31-11



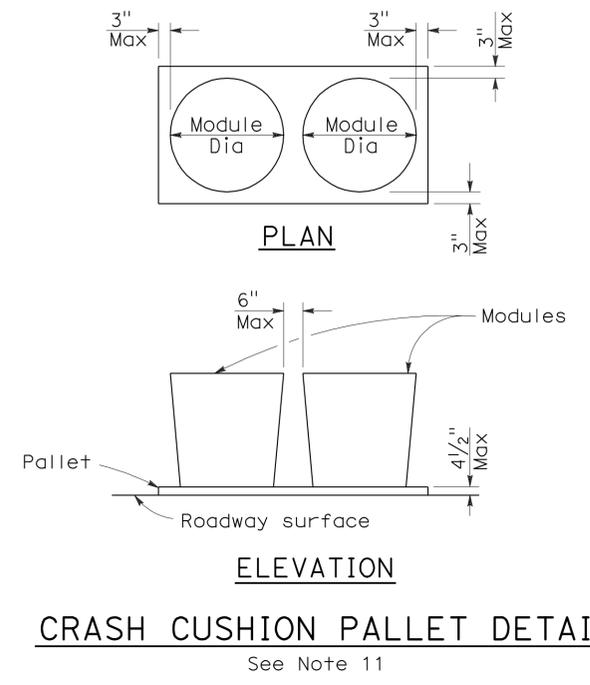
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



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

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. 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.
4. 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.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. 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.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.



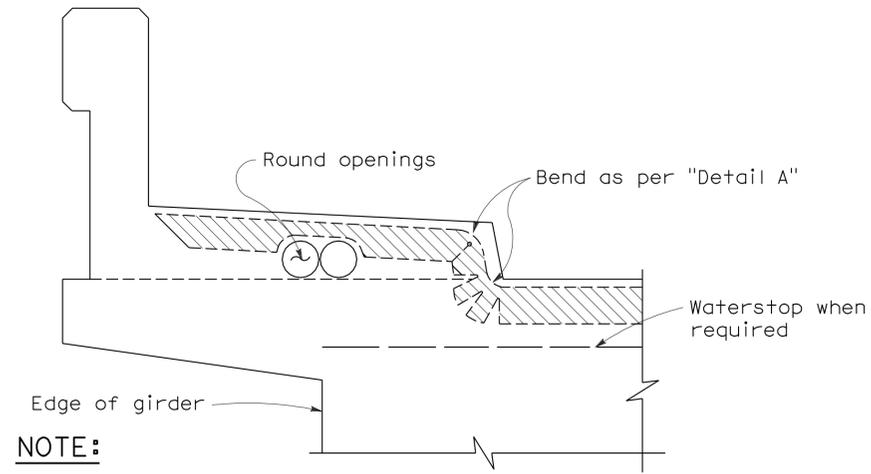
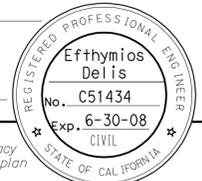
CRASH CUSHION PALLET DETAIL
See Note 11

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.

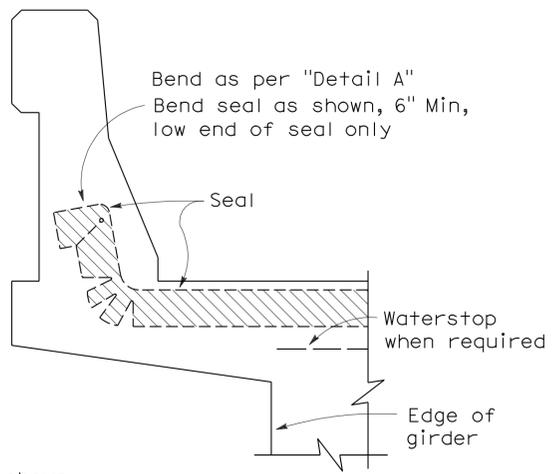
REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

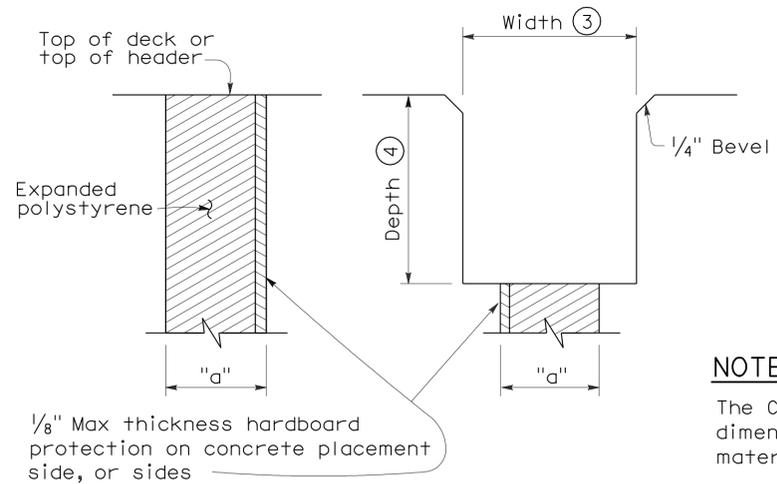


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



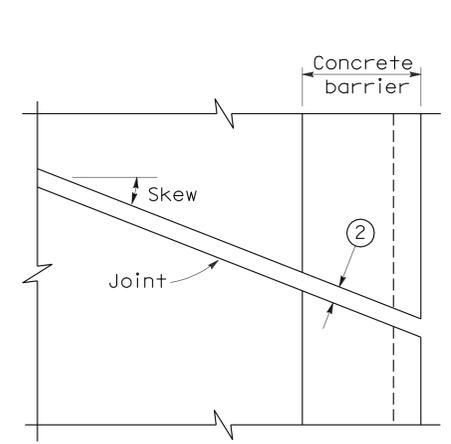
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

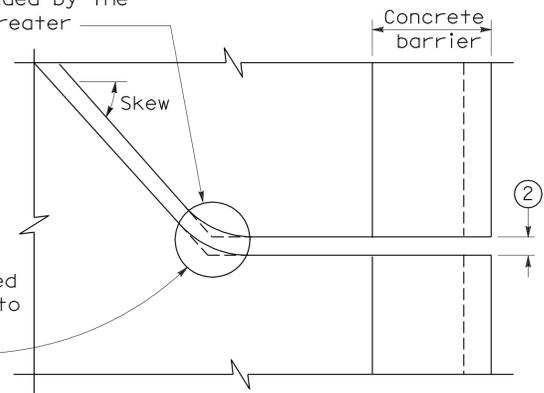
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



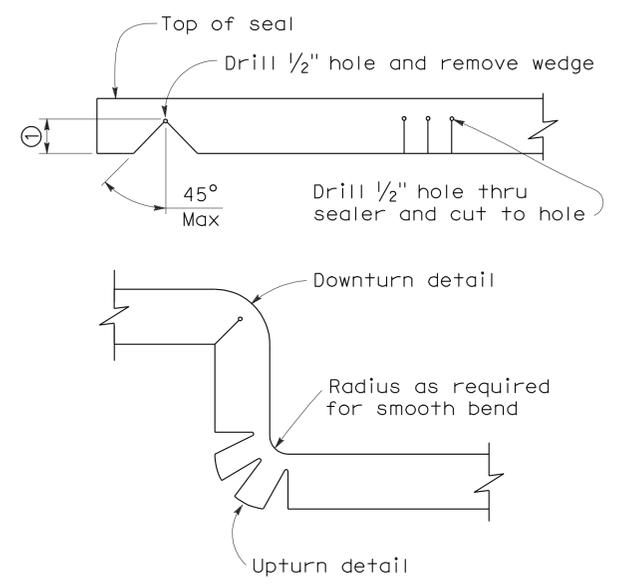
PLAN OF JOINT (SKEW ≤ 20°)

Min ϕ 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.

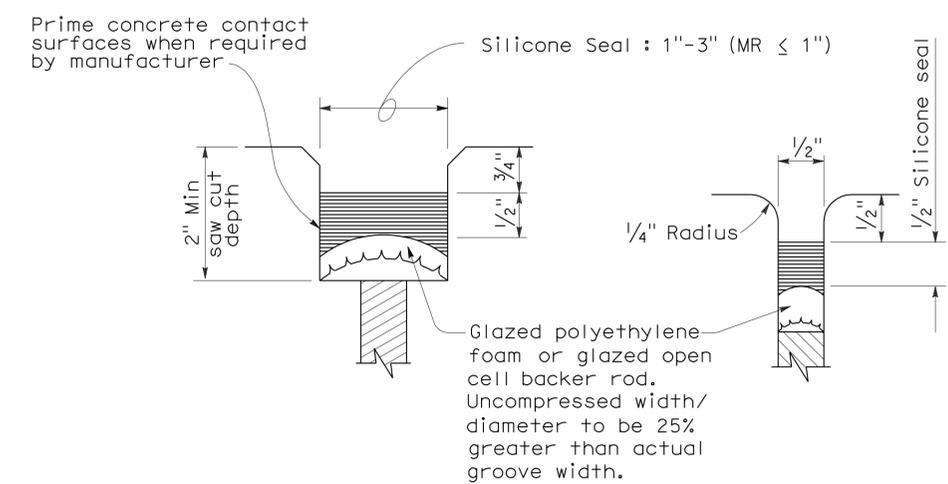


DETAIL A

- 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 (W₂) 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"

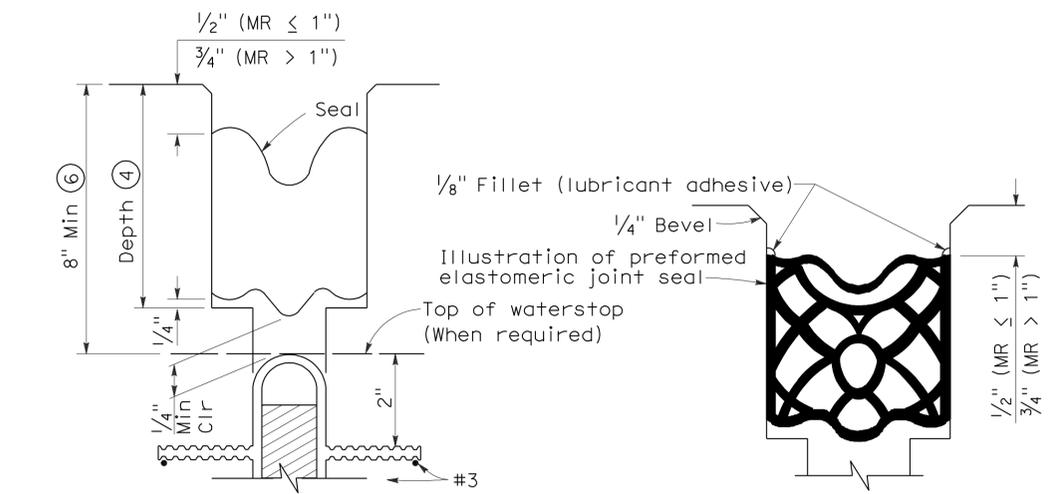


TYPE A SEAL

Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W₂)

TYPE B SEAL

Movement Rating ≤ 2"

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

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.

2006 REVISED STANDARD PLAN RSP B6-21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	12	24

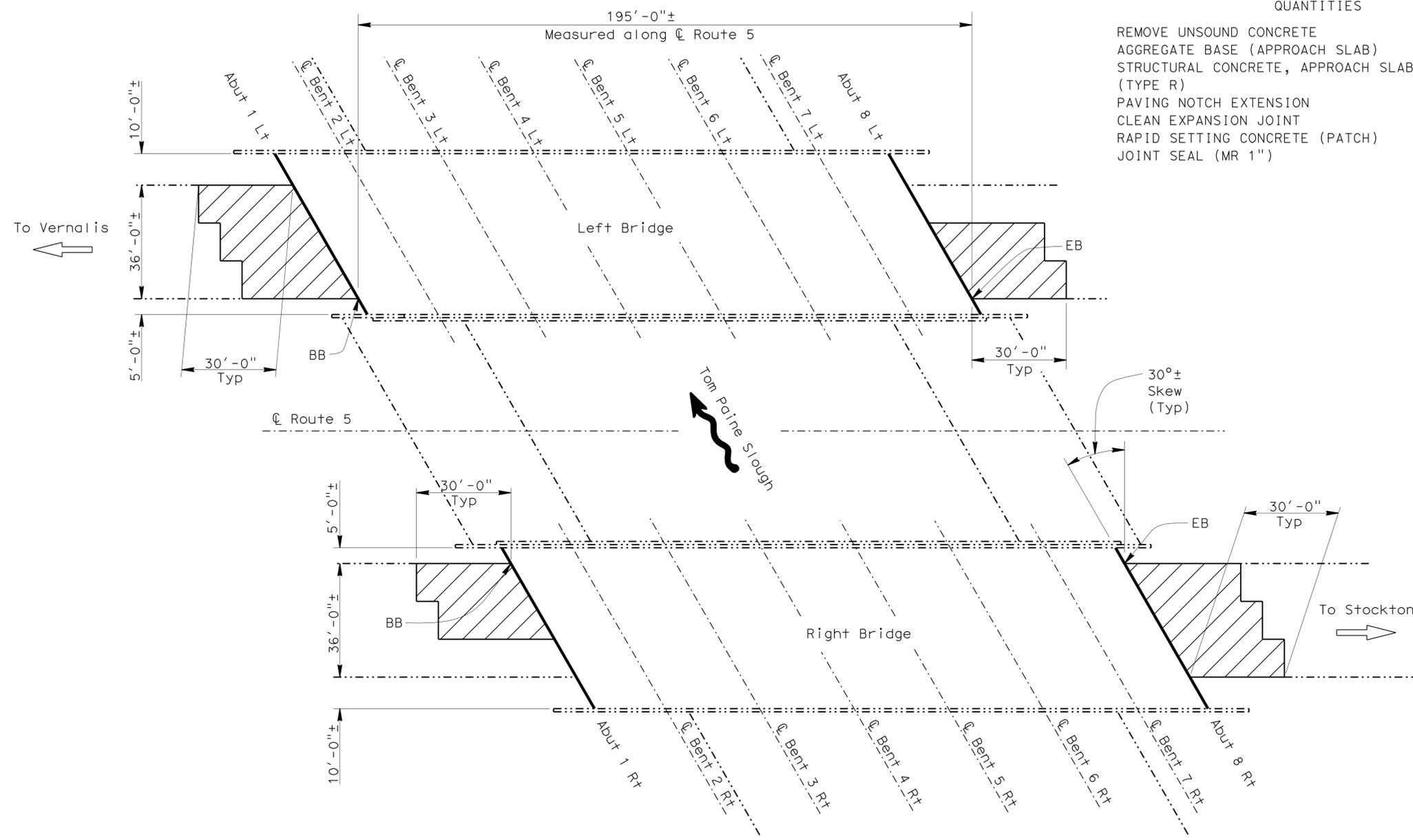

 9-29-10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 Brian P. Nguyen
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA

TOM PAINE SLOUGH BR NO. 29-0265L/R

QUANTITIES

REMOVE UNSOUND CONCRETE	2	CF
AGGREGATE BASE (APPROACH SLAB)	15	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	149	CY
PAVING NOTCH EXTENSION	104	CF
CLEAN EXPANSION JOINT	99	LF
RAPID SETTING CONCRETE (PATCH)	1	CF
JOINT SEAL (MR 1")	236	LF



TOM PAINE SLOUGH
 BR. NO. 29-0265L/R, RTE 5, PM R12.39
 1"=20'

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	JOINT SEAL DETAILS NO. 1
7	JOINT SEAL DETAILS NO. 2
8	JOINT SEAL DETAILS NO. 3
9	JOINT SEAL ASSEMBLY DETAILS (MAXIMUM MOVEMENT RATING MR = 4")
10	FINGER JOINT SEAL DETAILS NO. 1
11	FINGER JOINT SEAL DETAILS NO. 2
12	DRAINAGE DETAILS
13	STRUCTURE APPROACH TYPE R(30D)

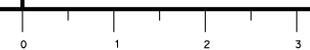
- Notes:
- Indicates existing structure.
 - Indicates location of joint seal removal and placement of new joint seal. Prior to joint seal replacement, remove unsound concrete and patch joint with rapid setting concrete. For details, see JOINT SEAL DETAILS NO. 1 and JOINT SEAL DETAILS NO. 2 sheets.
 - ▨ Indicates limits of remove existing approach pavement and place new Structure Approach Type R(30D). For details, see STRUCTURE APPROACH TYPE R(30D) sheet.

STANDARD PLANS DATED MAY 2006

SHEET NO.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
RSP B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

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



 9-29-10 DESIGN ENGINEER	DESIGN	BY Brian Nguyen	CHECKED Michael J. Lee	LAYOUT	BY Trung Lam	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 5 BRIDGES GENERAL PLAN NO. 1		
	DETAILS	BY Trung Lam	CHECKED Michael J. Lee	SPECIFICATIONS	BY Mary Kopsa	CHECKED Mary Kopsa			VARIOUS			
	QUANTITIES	BY Brian Nguyen	CHECKED Michael J. Lee					POST MILE				
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		CU 10 EA OU5801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 6-14-10 7-07-10 7-28-10 8-19-10 9-14-10 9-22-10 9-29-10 10-21-10	SHEET 1 OF 13

USERNAME => s135318 DATE PLOTTED => 01-FEB-2011 TIME PLOTTED => 10:23

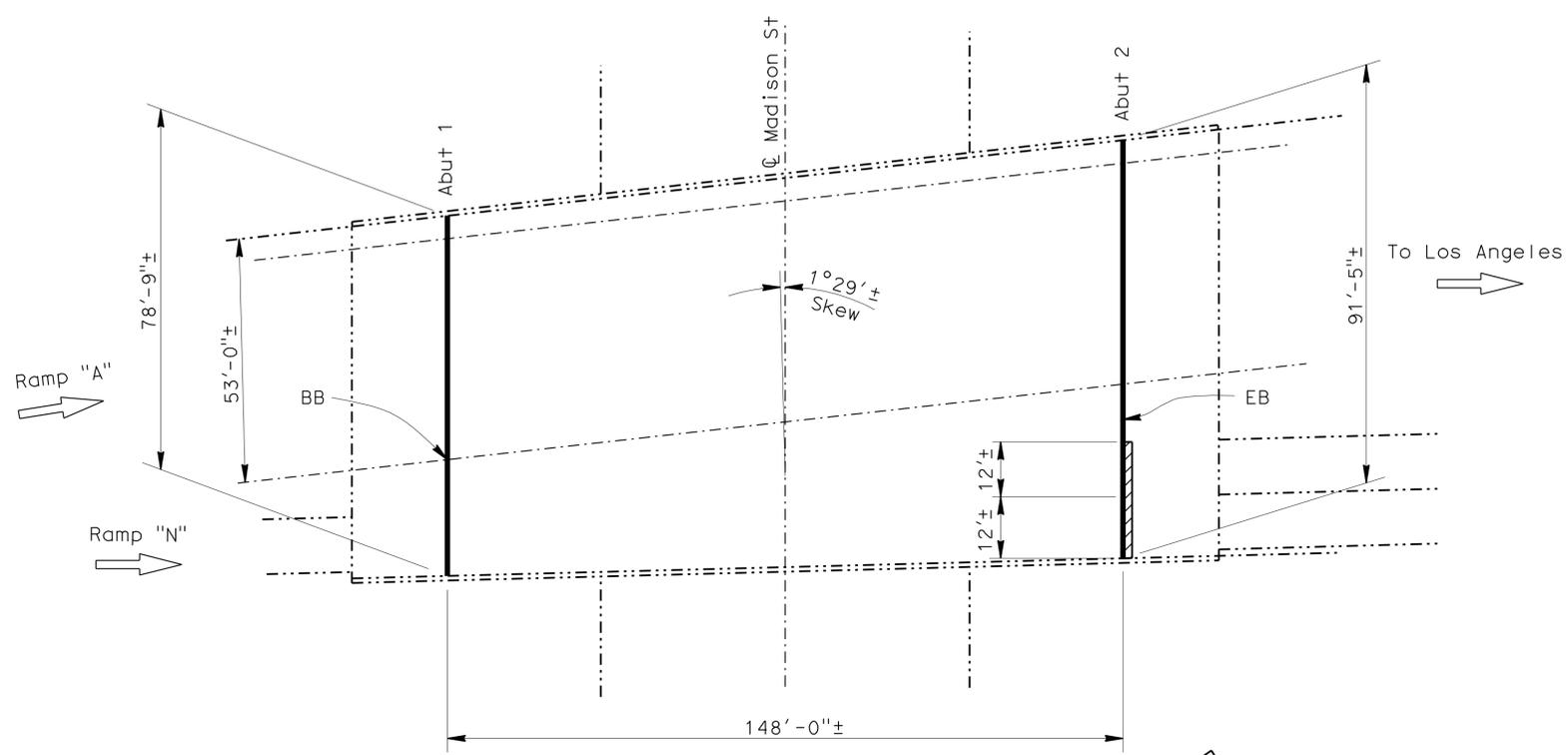
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	13	24

 9-29-10
 REGISTERED CIVIL ENGINEER DATE

1-31-11
 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
 Brian P. Nguyen
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA



N&S5-E4 CONNECTOR UC
 BR. NO. 29-0239H, RTE 5, PM 26.11
 1"=20'



NS5-E4 CONNECTOR UC BR NO. 29-0239H

QUANTITIES

REMOVE UNSOUND CONCRETE	1	CF
BRIDGE REMOVAL (PORTION), LOCATION A	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE	1	CY
CLEAN EXPANSION JOINT	171	LF
RAPID SETTING CONCRETE (PATCH)	1	CF
JOINT SEAL (MR 1")	171	LF

Notes:

- Indicates existing structure.
- Indicates location of joint seal removal and placement of new joint seal. Prior to joint seal replacement, remove unsound concrete and patch joint with rapid setting concrete. For details, see JOINT SEAL DETAILS NO. 1 and JOINT SEAL DETAILS NO. 2 sheets.
-  Indicates remove portion of existing concrete, place new structural concrete, and sawcut joint to match adjacent lane joint seal gap. For details, see "APPROACH SLAB REPAIR" on JOINT SEAL DETAILS NO. 2 sheet.

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

 9-29-10 DESIGN ENGINEER	DESIGN	BY Brian Nguyen	CHECKED Michael J. Lee	LAYOUT	BY Trung Lam	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 5 BRIDGES GENERAL PLAN NO. 2	
	DETAILS	BY Trung Lam	CHECKED Michael J. Lee	SPECIFICATIONS	BY Mary Kopsa	CHECKED Mary Kopsa			POST MILE	VARIES		
	QUANTITIES	BY Brian Nguyen	CHECKED Michael J. Lee									
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 10 EA OU5801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 6-14-10 7-07-10 7-28-10 8-19-10 9-14-10 9-22-10 9-29-10 10-21-10	SHEET 2 OF 13

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	14	24

9-29-10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 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.

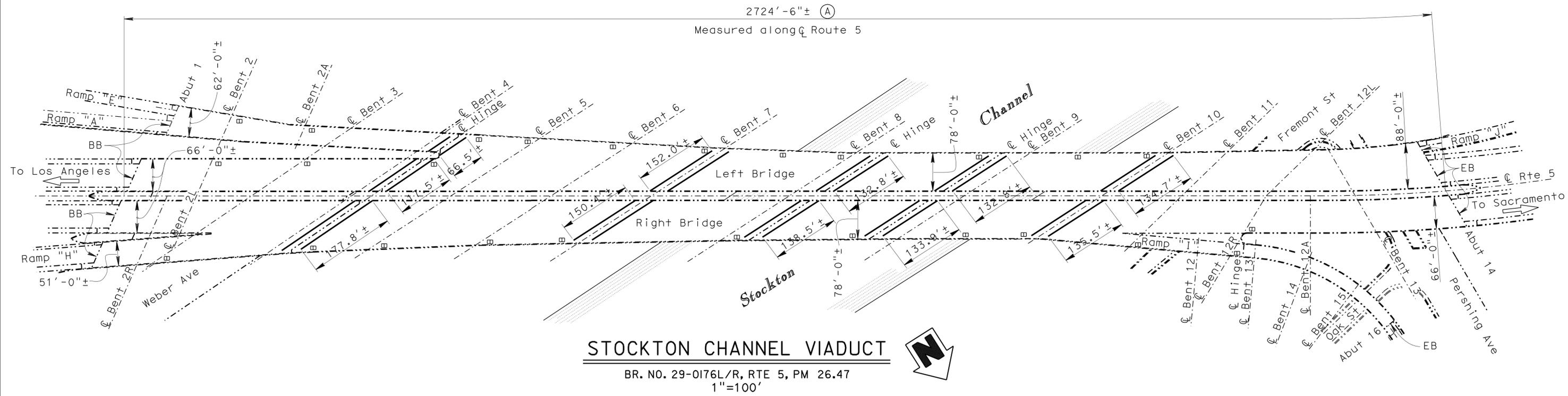
REGISTERED PROFESSIONAL ENGINEER
 Brian P. Nguyen
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA

STOCKTON CHANNEL VIADUCT BR NO. 29-0176L/R

QUANTITIES

REMOVE UNSOUND CONCRETE	5,380	CF
CLEAN BRIDGE DECK DRAINAGE SYSTEM	1,520	LF
BRIDGE REMOVAL (PORTION), LOCATION B	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE	52	CY
CLEAN EXPANSION JOINT	4	LF
RAPID SETTING CONCRETE (PATCH)	5,380	CF
JOINT SEAL ASSEMBLY (MR 4")	538	LF
JOINT SEAL ASSEMBLY (MR 9")	935	LF
JOINT SEAL (TYPE AL)	4	LF
BAR REINFORCING STEEL (BRIDGE)	24,123	LB
MISCELLANEOUS METAL (BRIDGE)	20	LB

- Notes:
- Indicates existing structure.
 - ==== Indicates location of finger joint seal removal and placement of new joint seal assembly. For details, see JOINT SEAL DETAILS NO. 1, NO. 3 and FINGER JOINT SEAL DETAILS NO.1, NO. 2, NO. 3, and JOINT SEAL ASSEMBLY DETAILS sheets.
 - Indicates location of clean and unplug all 1'x3' Grate Drains. Clean and unplug all existing finger joint seals at shoulders. Clean all drainage pipes. For details, see DRAINAGE DETAILS sheet.
 - (A) Indicates limits of remove unsound concrete and patch with rapid setting concrete. Location to be determined by the Engineer. For details, see "DECK REPAIR" on JOINT SEAL DETAILS NO. 2 sheet.



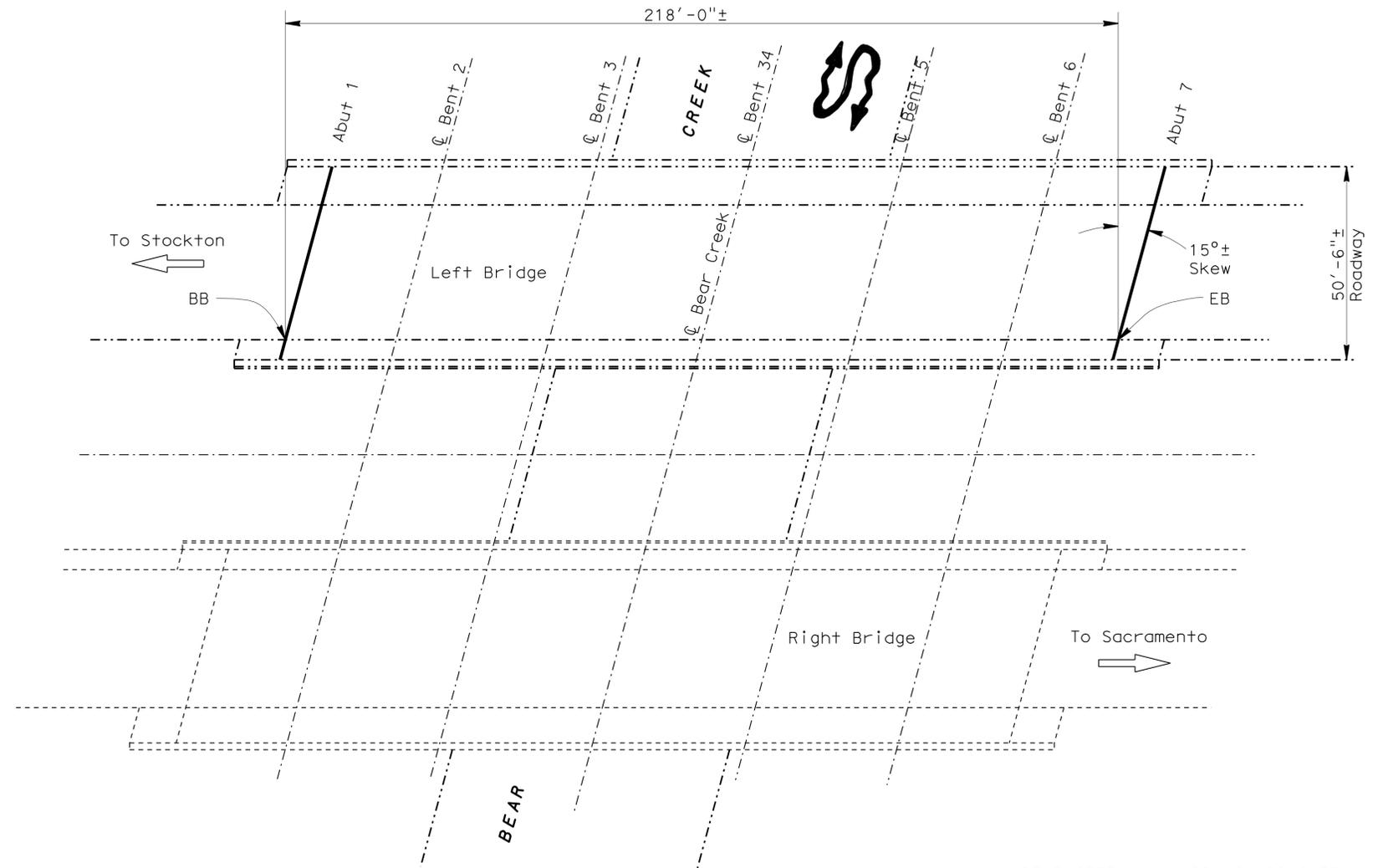
NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

 Michael J. Lee DESIGN ENGINEER	DESIGN	BY Brian Nguyen	CHECKED Michael J. Lee	LAYOUT	BY Trung Lam	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 5 BRIDGES GENERAL PLAN NO. 3
	DETAILS	BY Trung Lam	CHECKED Michael J. Lee	SPECIFICATIONS	BY Mary Kopsa	CHECKED Mary Kopsa			POST MILE	VARIES	
	QUANTITIES	BY Brian Nguyen	CHECKED Michael J. Lee	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 10 EA OU5801			REVISION DATES	6-14-10 7-07-10 7-29-10 8-19-10 8-23-10 9-22-10 9-29-10 10-21-10	
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							DISREGARD PRINTS BEARING EARLIER REVISION DATES		SHEET 3	OF 13	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	15	24

 9-29-10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 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
 Brian P. Nguyen
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA



- Notes:**
- Indicates existing structure.
 - Indicates location of joint seal removal and placement of new joint seal. Prior to joint seal replacement, remove unsound concrete and patch joint with rapid setting concrete. For details, see JOINT SEAL DETAILS NO. 1 and JOINT SEAL DETAILS NO. 2 sheets.

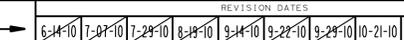
BEAR CREEK
 BR NO. 29-0177L, RTE 5, PM 34.26
 1"=20'

BEAR CREEK BR NO. 29-0177L

QUANTITIES

REMOVE UNSOUND CONCRETE	1	CF
CLEAN EXPANSION JOINT	106	LF
RAPID SETTING CONCRETE (PATCH)	1	CF
JOINT SEAL (MR 1")	106	LF

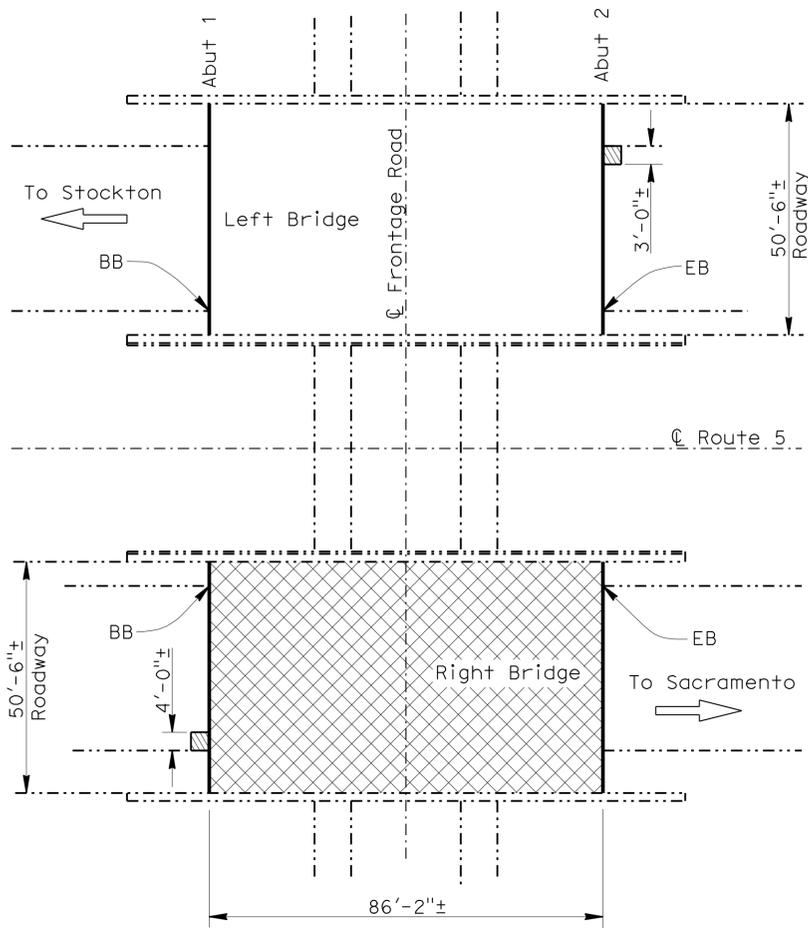
NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

 9-29-10 DESIGN ENGINEER	DESIGN	BY Brian Nguyen	CHECKED Michael J. Lee	LAYOUT	BY Trung Lam	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 5 BRIDGES GENERAL PLAN NO. 4		
	DETAILS	BY Trung Lam	CHECKED Michael J. Lee	SPECIFICATIONS	BY Mary Kopsa	CHECKED Mary Kopsa			VARIOUS			
	QUANTITIES	BY Brian Nguyen	CHECKED Michael J. Lee					POST MILE				
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		CU 10 EA OU5801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 	SHEET 4 OF 13

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	16	24

9-29-10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 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
 Brian P. Nguyen
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA



Notes:

- Indicates existing structure.
- Indicates location of joint seal removal and placement of new joint seal. Prior to joint seal replacement, remove unsound concrete and patch joint with rapid setting concrete. For details, see JOINT SEAL DETAILS NO. 1 and JOINT SEAL DETAILS NO. 2 sheets.
- ▨ Indicates limits of clean and treat existing bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.
- ▨ Indicates remove unsound concrete, place new rapid setting concrete, and sawcut joint to match existing joint seal gap. For details, see "APPROACH SLAB REPAIR" on JOINT SEAL DETAILS NO. 2 sheet.
- ① Indicates location of portion joint seal removal and place new silicone pourable joint sealant.

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

THORNTON ROAD CONNECTOR UC

BR NO. 29-0254L/R, RTE 5, PM 38.06
1"=20'

THORNTON ROAD CONNECTOR UC BR NO. 29-0254L
QUANTITIES

REMOVE UNSOUND CONCRETE	6	CF
CLEAN EXPANSION JOINT	102	LF
RAPID SETTING CONCRETE (PATCH)	6	CF
JOINT SEAL (MR 1/2")	102	LF

THORNTON ROAD CONNECTOR UC BR NO. 29-0254R
QUANTITIES

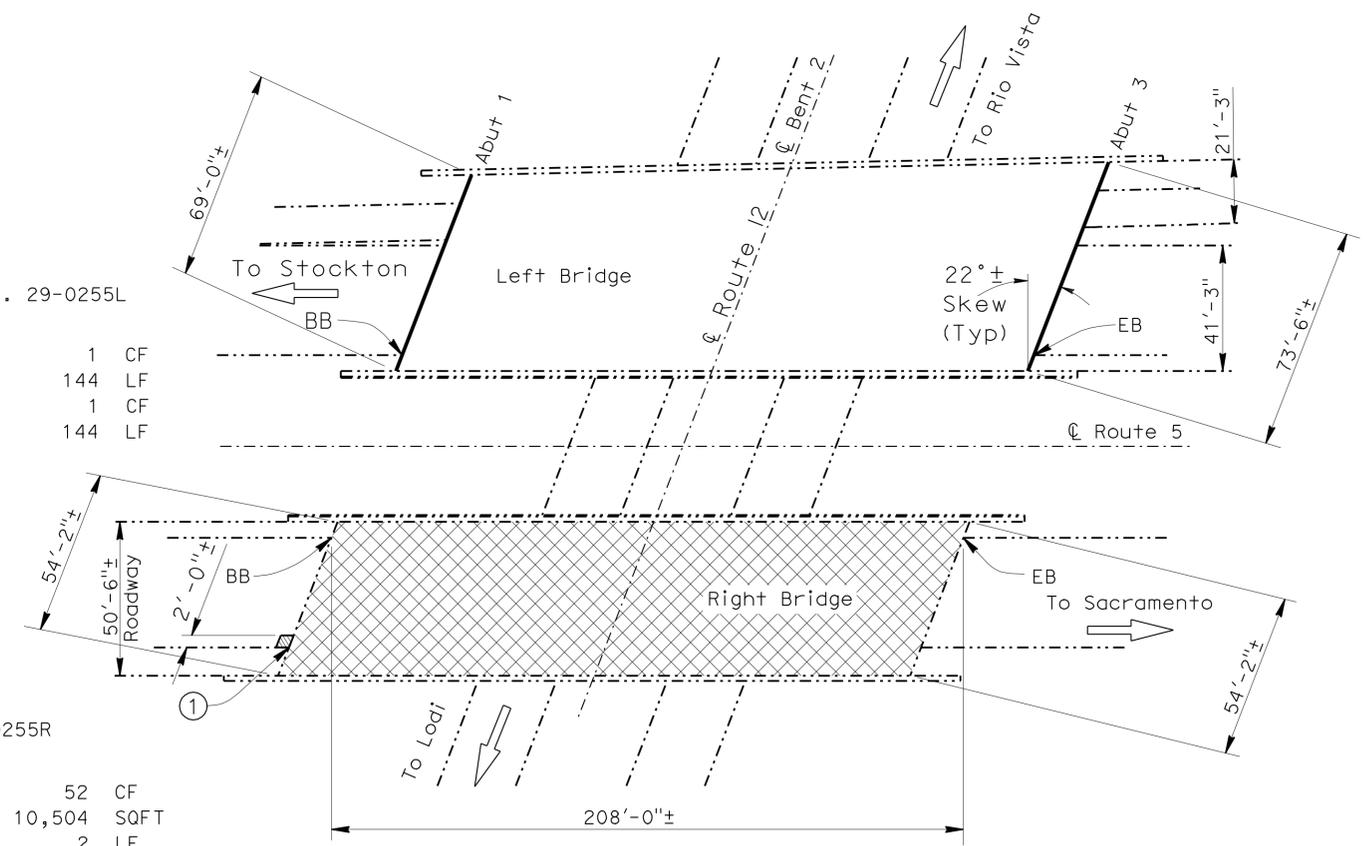
REMOVE UNSOUND CONCRETE	26	CF
CLEAN BRIDGE DECK	4,350	SQFT
CLEAN EXPANSION JOINT	102	LF
RAPID SETTING CONCRETE (PATCH)	26	CF
JOINT SEAL (MR 1/2")	102	LF
TREAT BRIDGE DECK	4,350	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	48	GAL
PUBLIC SAFETY PLAN	LUMP	SUM

ROUTE 5/12 SEPARATION BR NO. 29-0255L
QUANTITIES

REMOVE UNSOUND CONCRETE	1	CF
CLEAN EXPANSION JOINT	144	LF
RAPID SETTING CONCRETE (PATCH)	1	CF
JOINT SEAL (MR 1")	144	LF

ROUTE 5/12 SEPARATION BR NO. 29-0255R
QUANTITIES

REMOVE UNSOUND CONCRETE	52	CF
CLEAN BRIDGE DECK	10,504	SQFT
CLEAN EXPANSION JOINT	2	LF
RAPID SETTING CONCRETE (PATCH)	52	CF
JOINT SEAL (MR 1")	2	LF
TREAT BRIDGE DECK	10,504	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	117	GAL
PUBLIC SAFETY PLAN	LUMP	SUM



ROUTE 5/12 SEPARATION

BR NO. 29-0255L/R, RTE 5, PM 39.55
1"=30'

Michael J. Lee
 DESIGN ENGINEER
 9-29-10

DESIGN	BY Brian Nguyen	CHECKED Michael J. Lee
DETAILS	BY Trung Lam	CHECKED Michael J. Lee
QUANTITIES	BY Brian Nguyen	CHECKED Michael J. Lee

LAYOUT	BY Trung Lam	CHECKED Brian Nguyen
SPECIFICATIONS	BY Mary Kopsa	CHECKED Mary Kopsa

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

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

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 10
EA OU5801

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 6-14-10 7-07-10 7-28-10 8-19-10 9-14-10 9-22-10 9-29-10 10-21-10	SHEET 5	OF 13
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	17	24

9-29-10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 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.

Brian P. Nguyen
 No. 68270
 Exp. 9-30-11
 CIVIL
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA

JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION	MINIMUM "MR" (inches)	MR Normal to 57°± skew	APPROXIMATE LENGTH (feet)	EXISTING WATERSTOP	APPROXIMATE DEPTH TO CLEAN EXPANSION JOINT (inches)	APPROXIMATE DEPTH OF JOINT SPALLS (inches)*	APPROXIMATE WIDTH OF JOINT SPALLS (inches)*	APPROXIMATE LENGTH OF JOINT SPALLS (FEET) *
TOM PAINE SLOUGH	29-0265L	Abut 1	PN	1	59.0	No	12.0	3.0	6.0	5.0
		Abut 8	PN	1	59.0	No	12.0	3.0	6.0	5.0
TOM PAINE SLOUGH	29-0265R	Abut 1	PN	1	59.0	No	12.0	3.0	6.0	5.0
		Abut 8	PN	1	59.0	No	12.0	3.0	6.0	5.0
N&S5-E4 CONNECTOR UC	29-0239H	Abut 1	PN	1	79.0	No	12.0	3.0	6.0	5.0
		Abut 2	PN	1	92.0	No	12.0	3.0	6.0	5.0
STOCKTON CHANEL VIADUCT	29-0176L/R	Hinge	B4	4 1/2 ☆☆	9	362.0	Yes	12.0	—	—
		Bent 7	CL	4 1/2 ☆☆	9	303.0	Yes	12.0	—	—
		Hinge	B8	2 ☆	4	272.0	Yes	12.0	—	—
		Bent 10	CL	4 1/2 ☆☆	9	270.0	Yes	12.0	—	—
BEAR CREEK	29-0177L	Abut 1	PN	1	53.0	Yes	12.0	3.0	6.0	5.0
		Abut 7	PN	1	53.0	Yes	12.0	3.0	6.0	5.0
THORNTON ROAD CONN UC	29-0254L	Abut 1	PN	1/2	51.0	Yes	12.0	3.0	6.0	10.0
		Abut 2	PN	1/2	51.0	Yes	12.0	3.0	6.0	10.0
THORNTON ROAD CONN UC	29-0254R	Abut 1	PN	1/2	51.0	Yes	12.0	3.0	6.0	10.0
		Abut 2	PN	1/2	51.0	Yes	12.0	3.0	6.0	10.0
ROUTE 5/12 SEPARATION	29-0255L	Abut 1	PN	1	72.0	No	12.0	3.0	6.0	5.0
		Abut 3	PN	1	72.0	Yes	12.0	3.0	6.0	5.0
ROUTE 5/12 SEPARATION	29-0255R	Abut 1	PN	1	2.0	Yes	12.0	—	—	—

The following note applies to JOINT SEAL TYPE A:

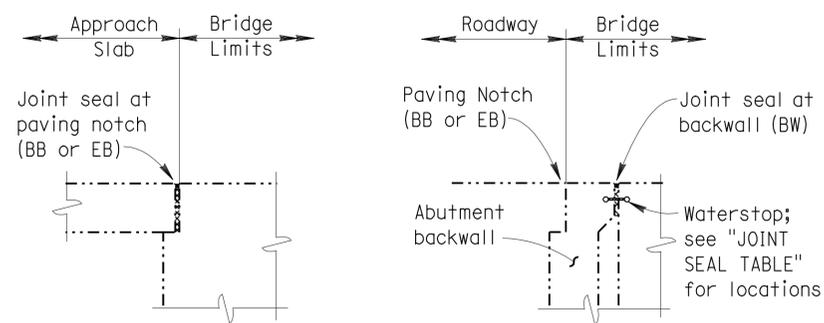
Install Type A joint seal 3" up into curb or rail on the low side of the deck where joint matches curb or rail joint. For details not shown see 

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 

LEGEND:

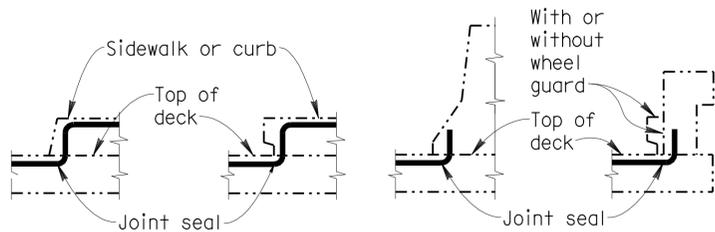
- BW = Backwall
- PN = Paving Notch
- * = Location to be determined by the Engineer. See "DECK & JOINT REPAIR DETAIL" on JOINT SEAL DETAILS NO. 2 sheet.
- ☆ Use Strip Expansion Joint Seal Assembly (MR = 4")
- ☆☆ Use Modular Expansion Joint Seal Assembly (MR = 9")



DIAPHRAGM ABUTMENT **ABUTMENT WITH BACKWALL**

JOINT SEAL LOCATION

NO SCALE



SIDEWALK OR CURB **BARRIER RAIL**

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

NOTE:
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DESIGN	BY Brian Nguyen	CHECKED Michael J. Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 5 BRIDGES
DETAILS	BY Trung Lam	CHECKED Brian Nguyen			VARIOUS	
QUANTITIES	BY Brian Nguyen	CHECKED Michael J. Lee			VARIES	
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 10 EA OU5801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES
			0 1 2 3			6-14-10 7-07-10 7-28-10 8-19-10 8-23-10 9-07-10 9-14-10 9-22-10 9-29-10 10-21-10
						SHEET 6 OF 13

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USERNAME => hp01115 DATE PLOTTED => 01-FEB-2011 TIME PLOTTED => 10:43

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	18	24

9-29-10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 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
 Brian P. Nguyen
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA

DECK REPAIR TABLE			
REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE			
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
STOCKTON CHANNEL VIADUCT	29-0167L/R	5	3
THORNTON ROAD CONN UC	29-0254R	2	3
ROUTE 5/12 SEPARATION	29-0255R	2	3

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 permit design load.

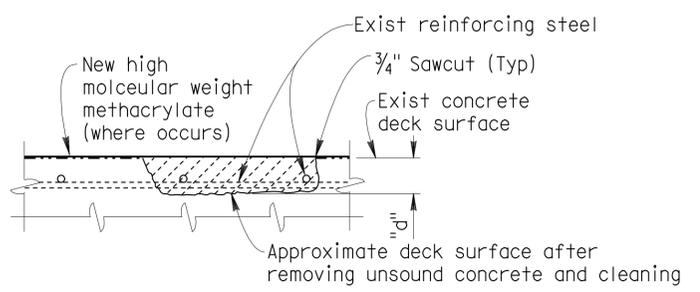
REINFORCED CONCRETE: $f_y = 60,000$ psi
 $f'_c = 3,600$ psi
 $n = 9$

NOTES: (APPLY TO THIS SHEET ONLY)

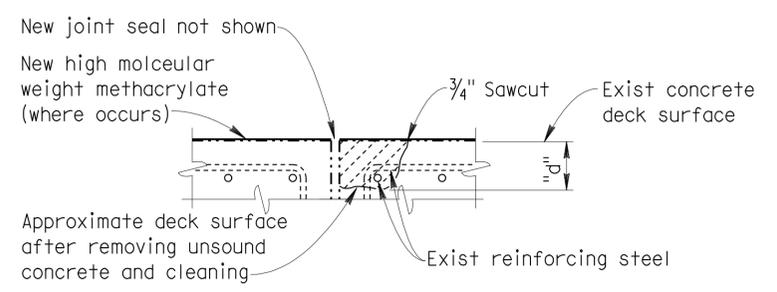
 Indicates limits of remove existing unsound concrete and place new rapid set concrete patch. Retain existing reinforcing steel except where shown otherwise.

 Indicates limits of remove structural concrete and place new structural concrete. Retain existing reinforcing steel except where shown otherwise.

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



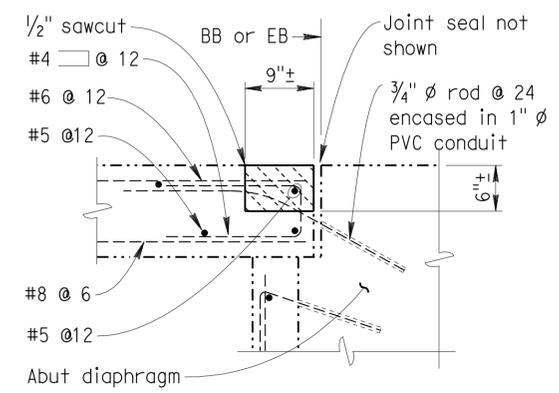
DECK REPAIR



JOINT REPAIR

DECK & JOINT REPAIR DETAIL

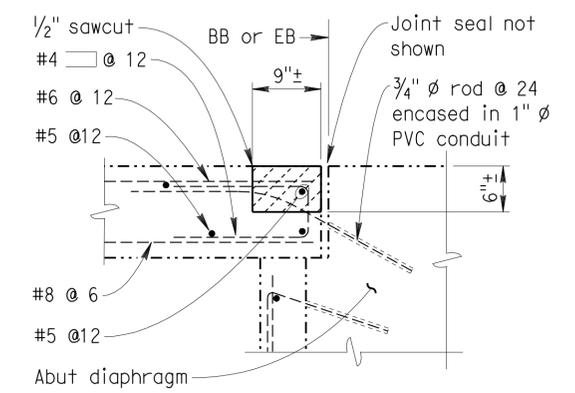
Reinforcement may be encountered during deck concrete removal and is to remain undamaged. NO SCALE



APPROACH SLAB REPAIR

ALL REINFORCING SHOWN IS EXISTING
NO SCALE

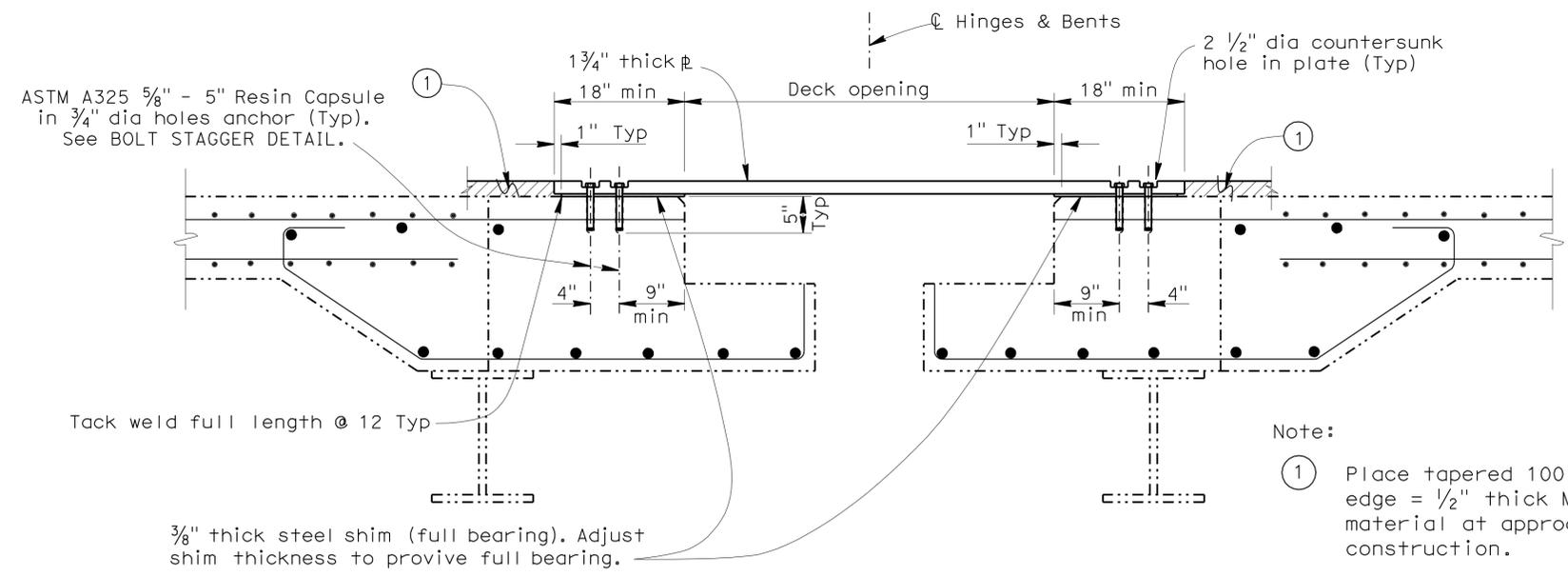
For Bridge No. 22-0239H only



APPROACH SLAB REPAIR

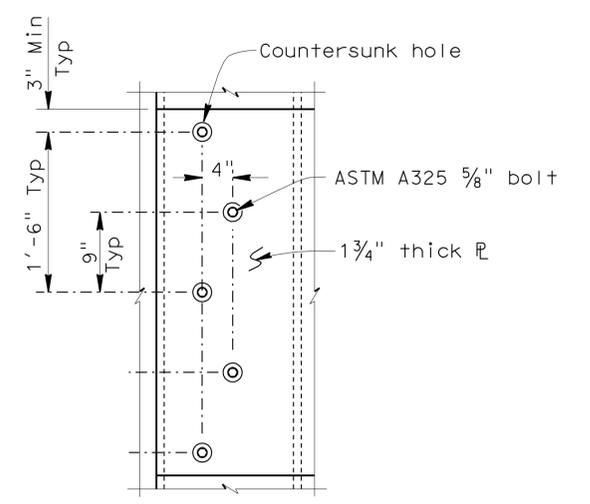
ALL REINFORCING SHOWN IS EXISTING
NO SCALE

For Bridge No. 22-0254L/R and Bridge No. 22-0255R



TEMPORARY DECK PLATE CONNECTION

1"=1'



BOLT STAGGER DETAIL

NO SCALE

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY Brian Nguyen	CHECKED Michael J. Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 5 BRIDGES		
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen			POST MILE			VARIES	JOINT SEAL DETAILS NO. 2
	QUANTITIES	BY Brian Nguyen	CHECKED Michael J. Lee			REVISION DATES				

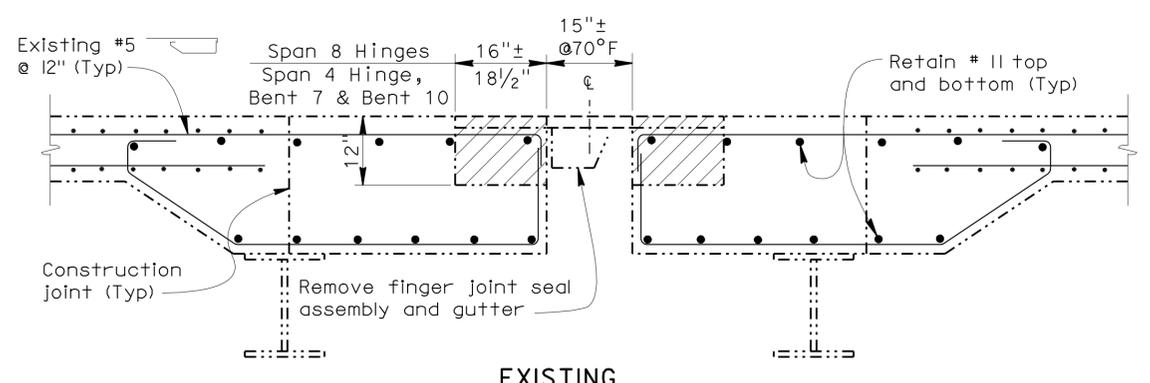
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 CU 10 EA OU5801
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: 6-14-10 7-07-10 7-28-10 8-19-10 8-23-10 9-14-10 9-22-10 9-29-10 10-21-10

USERNAME => hp0115 DATE PLOTTED => 01-FEB-2011 TIME PLOTTED => 10:43

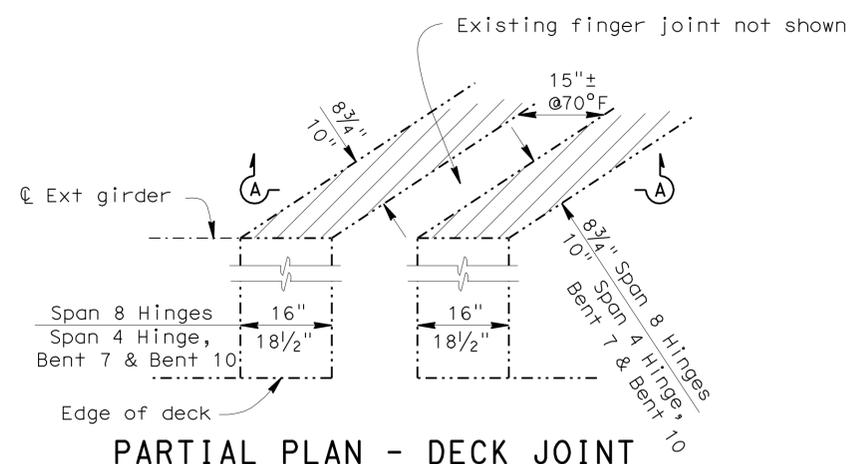
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	19	24

9-29-10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 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.

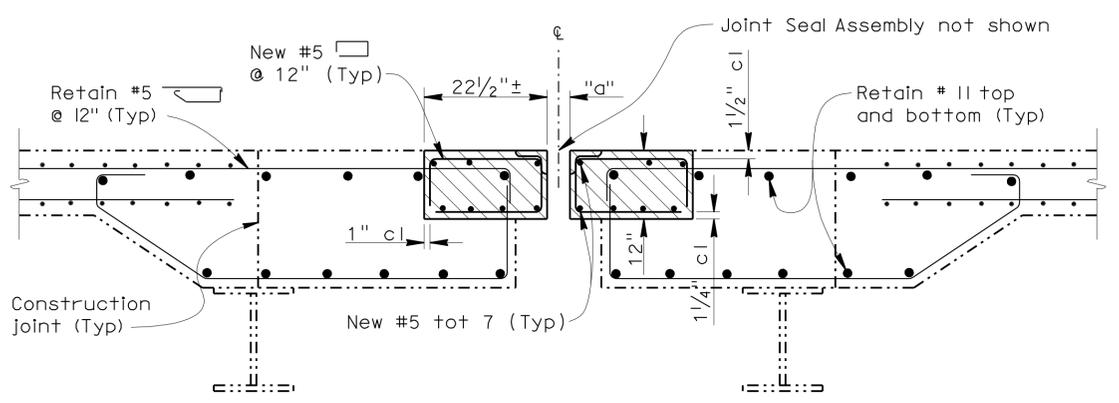
Brian P. Nguyen
 No. 68270
 Exp. 9-30-11
 CIVIL



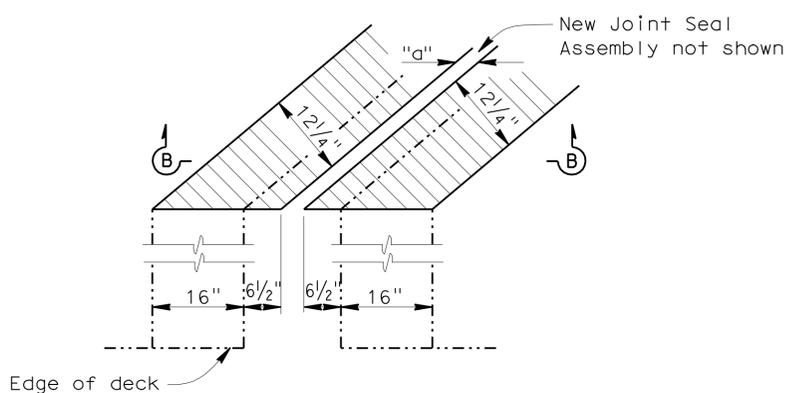
EXISTING
SECTION A-A AT HINGES AND BENTS
 3/4"=1'



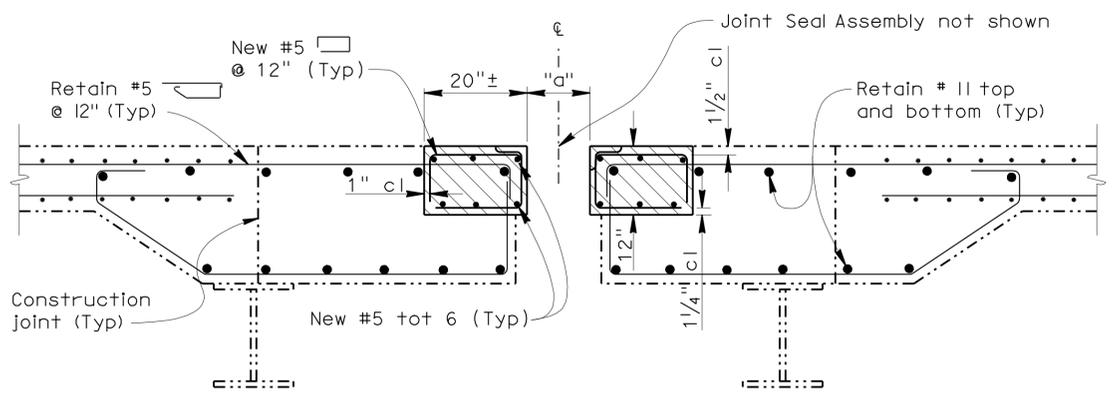
PARTIAL PLAN - DECK JOINT HINGES & BENTS
 3/4"=1'



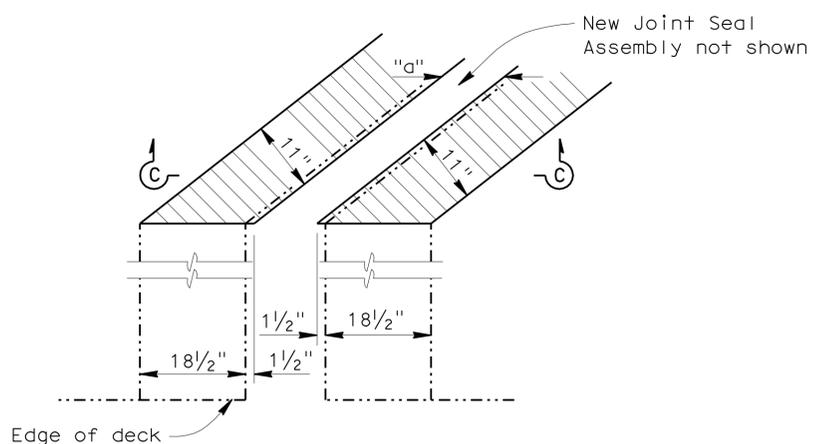
RECONSTRUCTION
SECTION B-B AT SPAN 8 HINGES
 3/4"=1'



PARTIAL PLAN - DECK JOINT SPAN 8 HINGES
 3/4"=1'



RECONSTRUCTION
SECTION C-C AT SPAN 4 HINGE, BENT 7, & BENT 10
 3/4"=1'
 BRIDGE NO. 29-0176L/R



PARTIAL PLAN - DECK JOINTS SPAN 4 HINGE, BENT 7 & BENT 10
 3/4"=1'

TEMPORARY DECK PLATE DESIGN LOADING		
MOMENT DEMAND/FOOT (kip-ft/ft)	ANCHOR BOLT SHEAR/FOOT (kip/ft)	ANCHOR BOLT TENSION (kip)
11.2	8K	8.0

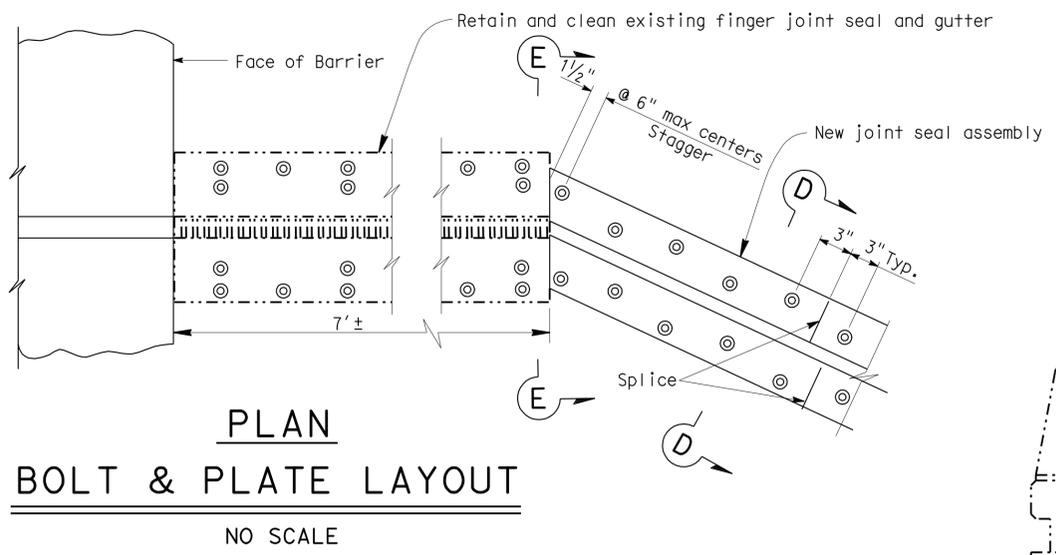
Plate deflection shall not exceed $s/300$ (s = span of plate). Maximum anchor bolt spacing = 0'-9".
 For Temporary Deck Plate Detail, see JOINT SEAL DETAILS NO. 2 sheet.

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of remove existing concrete and finger joint seal assembly. Retain existing reinforcing steel and reposition as required. For details, see FINGER JOINT SEAL DETAILS NO.1 and FINGER JOINT SEAL DETAILS NO.2 sheets.
 - Indicates limits of new joint seal assembly and placement of new Structural concrete.
 - "b" Exact width to be determined by the Engineer.

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

DESIGN	BY	Brian Nguyen	CHECKED	Michael J. Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 5 BRIDGES	
	DETAILS	BY	Trung Lam	CHECKED			Brian Nguyen	VARIOUS	JOINT SEAL DETAILS NO. 3
	QUANTITIES	BY	Brian Nguyen	CHECKED			Michael J. Lee	VARIES	
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 10 EA OU5801	REVISION DATES		
					0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	6-14-10	7-07-10	
							7-29-10	8-19-10	
							8-23-10	9-07-10	
							9-14-10	9-27-10	
							10-10-10	10-21-10	
							8	13	

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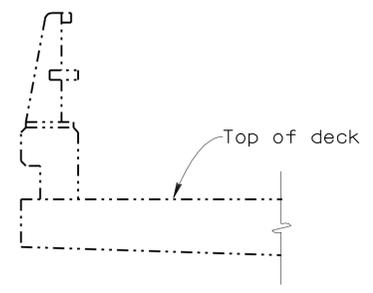


**PLAN
BOLT & PLATE LAYOUT**
NO SCALE

NOTES: Full penetration butt welds may be substituted for fillet welds on all anchor studs. Alternate types of anchor studs may be permitted subject to the approval by the Engineer.

Use joint at crown of roadway, at any change in transverse slope in deck and at changes in horizontal direction. Place other joints at or near lane lines. All metal parts to be painted or galvanized after fabrication.

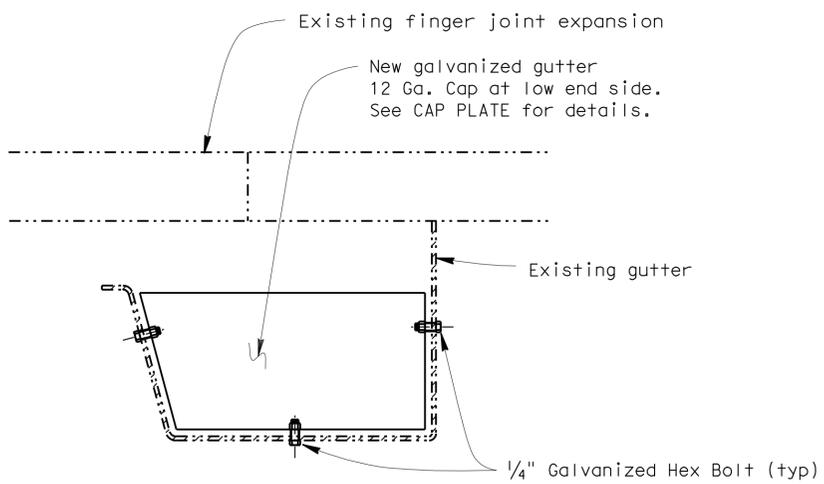
Sheet neoprene shall be fabricated in one continuous piece or joints shall be vulcanized. Neoprene shall be fabricated to bend around corners. 1" holes in neoprene sheets shall be drilled or punched so that the neoprene is not distorted at the time of installation.



EXISTING BARRIER RAILING TYPE 9-11
NO SCALE

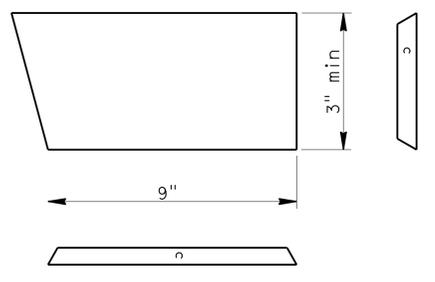
TEMP (F)	MR=2	MR=2 1/2	MR=3	MR=3 1/2	MR=4	MR=4 1/2	MR=5
17	2 3/4	2 7/8	3 3/4	4	4 1/2	5	5 1/2
41	2 1/4	2 1/4	3	3 1/8	3 1/2	3 7/8	4 1/4
66	1 3/4	1 3/4	2	2 1/4	2 1/2	2 3/4	3
90	1 1/4	1	1 1/4	1 1/2	1 1/2	1 5/8	1 3/4
114	3/4	1/2	1/2	1/2	1/2	1/2	1/2

Note:
Interpolate values for temperatures not shown.

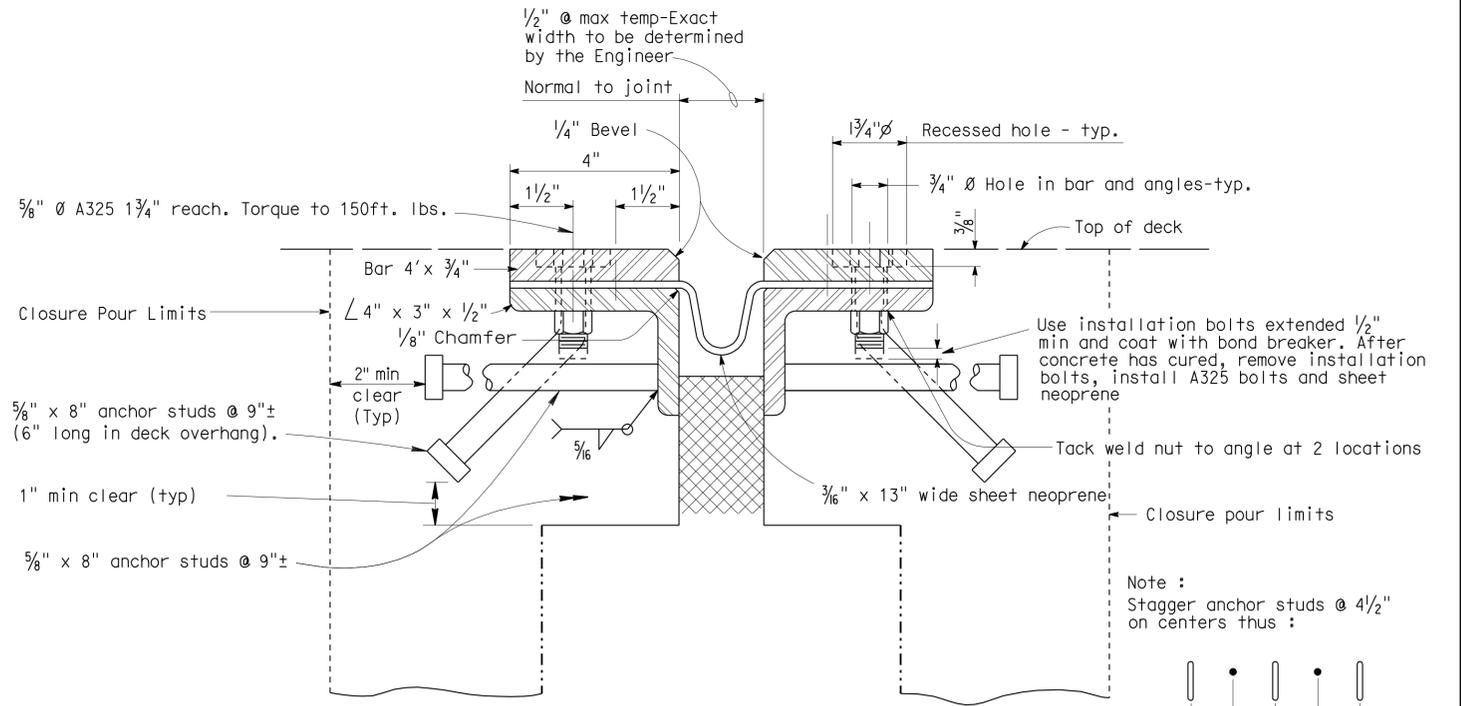


SECTION E-E
NO SCALE

NOTE:
All Cap to be water tight. Extend new neoprene gland 8" into low end side of existing gutter.



CAP PLATE
NO SCALE

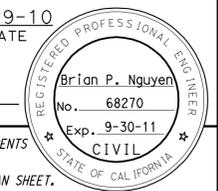


SECTION D-D
NO SCALE
BRIDGE NO. 29-0176L/R

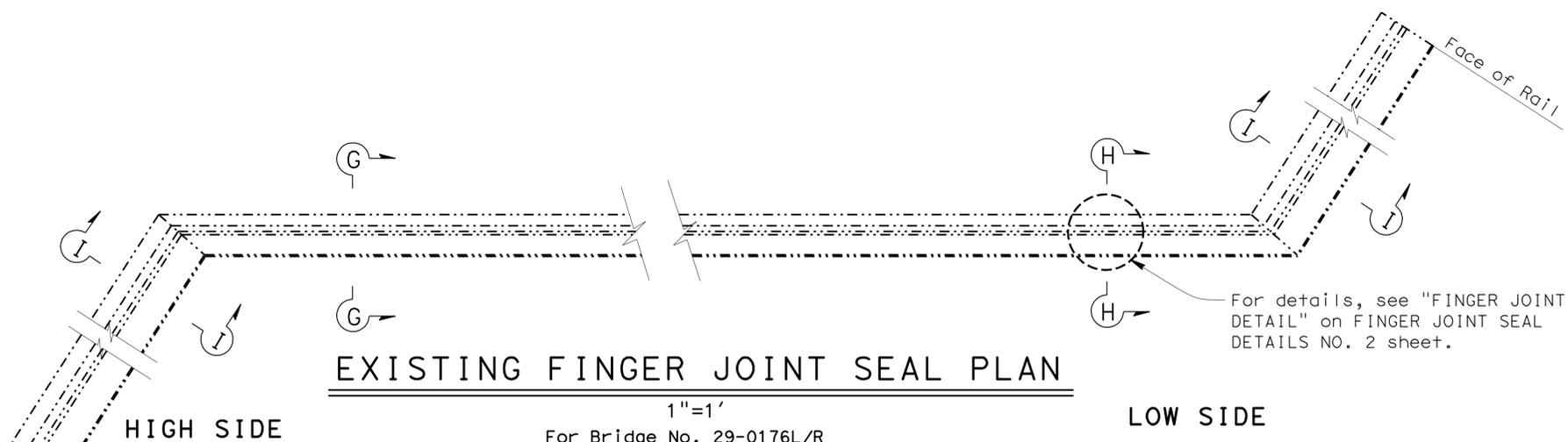
SEE SHOP DRAWING FOR INSTALLED ASSEMBLY.

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

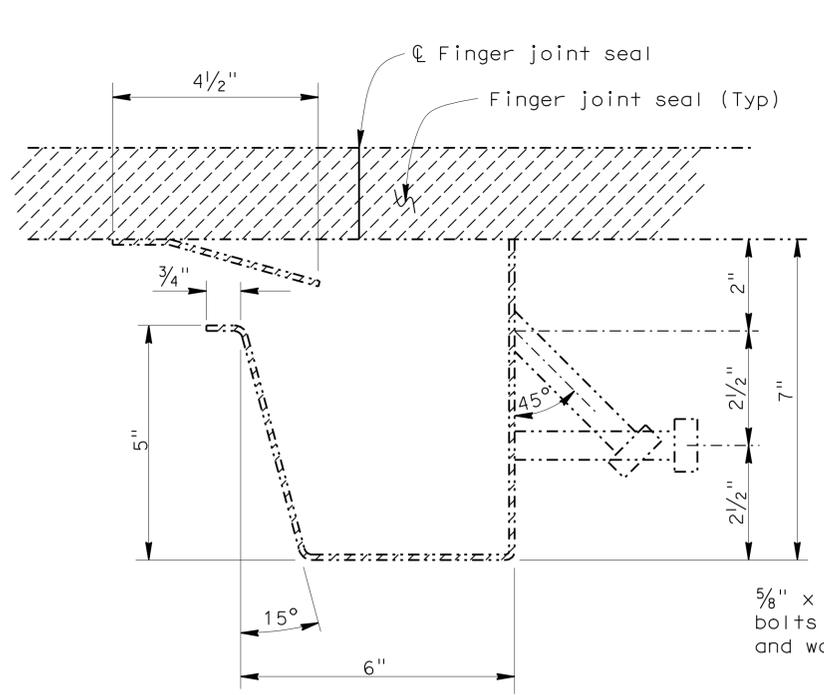
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	21	24
 REGISTERED CIVIL ENGINEER			9-29-10	DATE	
1-31-11 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					



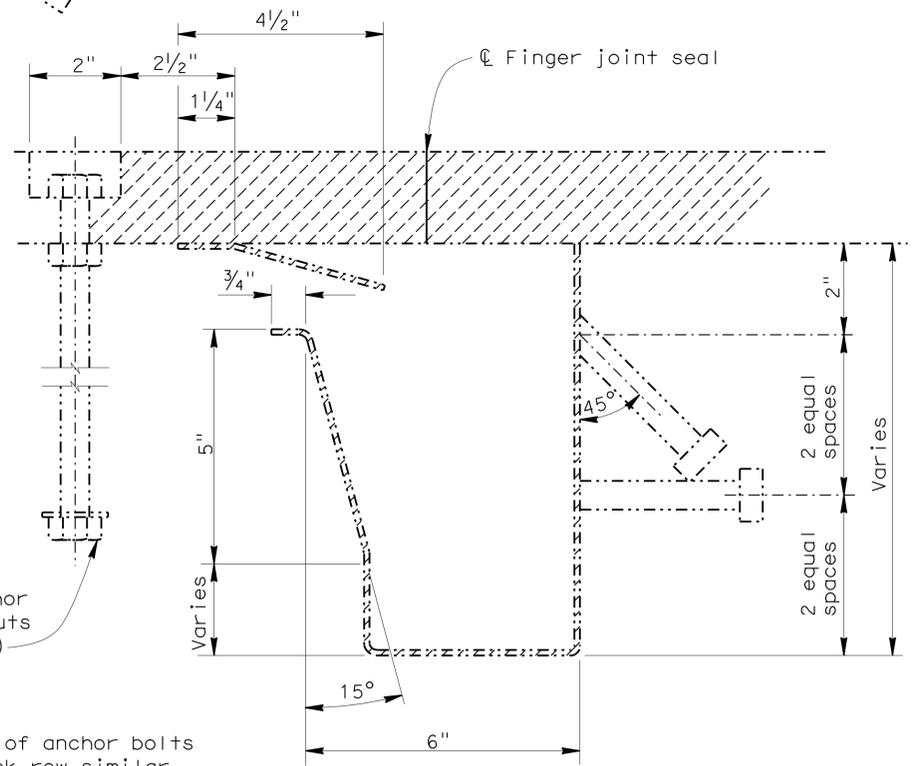
NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



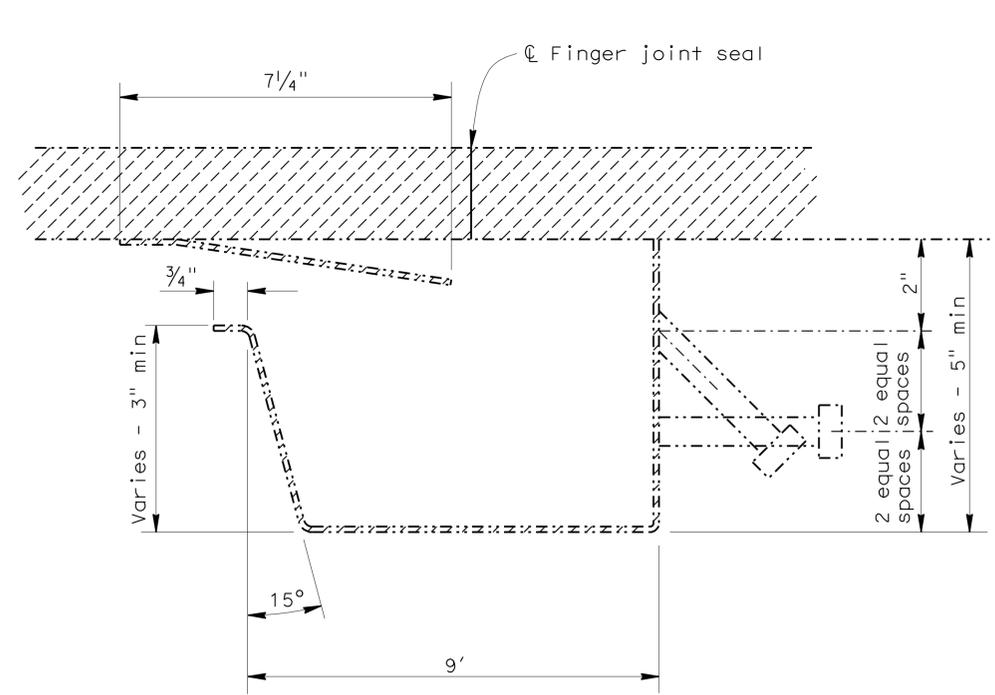
Notes:
 - - - - - Indicates existing.
 For Section F-F see JOINT SEAL ASSEMBLY DETAILS sheet.
 Anchor bolts in Section G-G and I-I are similar to Section H-H.



SECTION G-G
1' = 6"



SECTION H-H
1' = 6"



SECTION I-I
1' = 6"

5/8" x 10" HS anchor bolts with hex nuts and washers (Typ)
 Front row of anchor bolts shown, back row similar. Left side of anchor bolts shown, right side similar.

DESIGN	BY Brian Nguyen	CHECKED Michael J. Lee
DETAILS	BY Trung Lam	CHECKED Brian Nguyen
QUANTITIES	BY Brian Nguyen	CHECKED Michael J. Lee

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

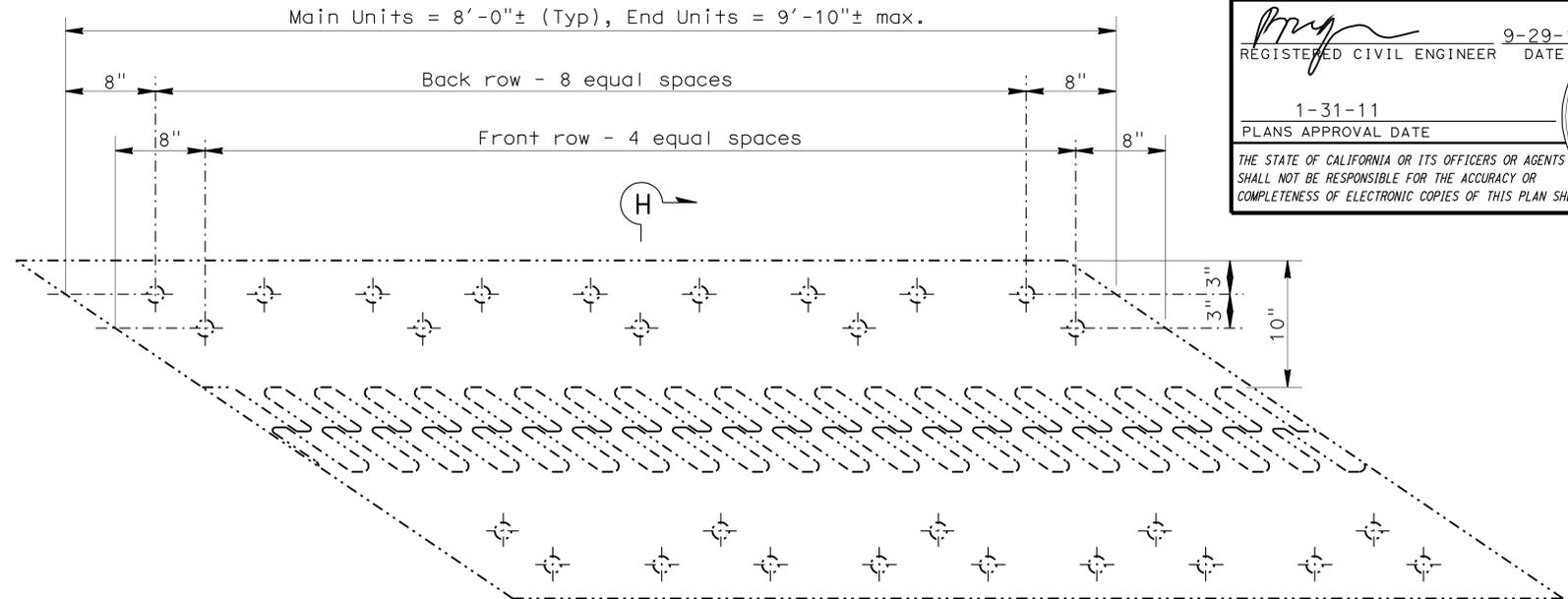
ROUTE 5 BRIDGES
FINGER JOINT SEAL DETAILS NO. 1

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	22	24

9-29-10
 REGISTERED CIVIL ENGINEER DATE
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 SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR
 COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

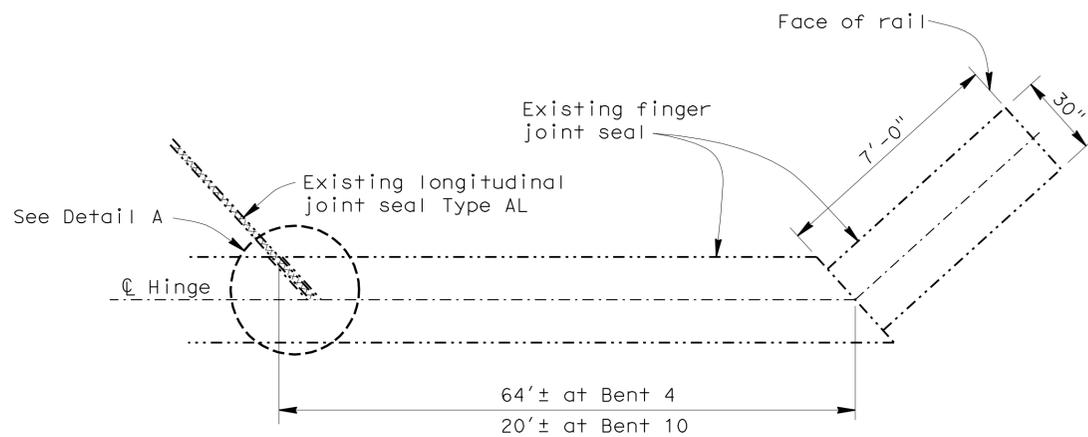
REGISTERED PROFESSIONAL ENGINEER
 Brian P. Nguyen
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA



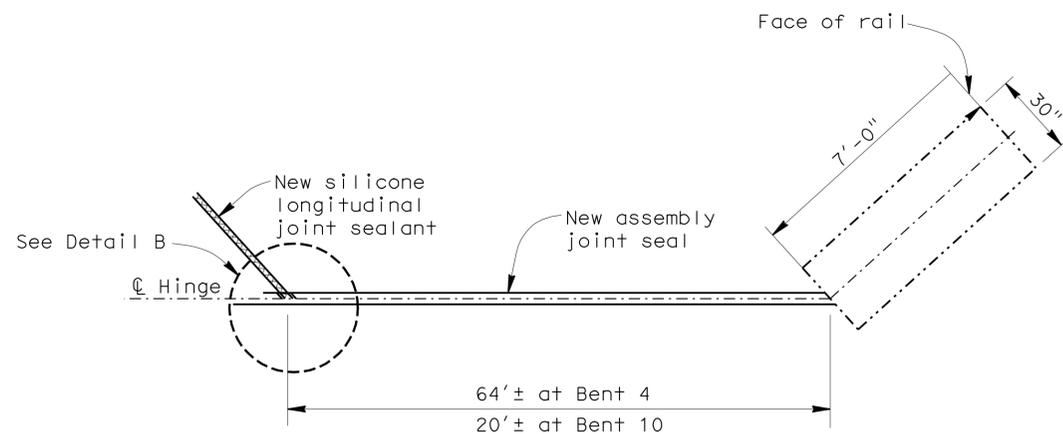
FINGER JOINT DETAIL

1/2"=1'
BRIDGE NO. 29-0176L/R

For Section H-H see FINGER JOINT SEAL DETAILS NO. 1 sheet.



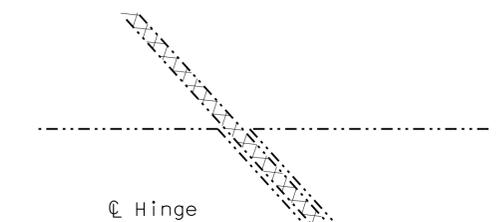
EXISTING LONGITUDINAL JOINT SEAL



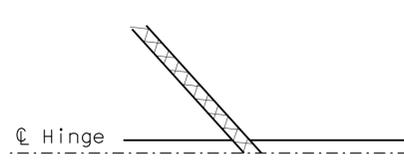
Note: Replace portion of existing longitudinal joint seal Type AL with a new silicone longitudinal joint sealant approximately 2'± in length at Bent 4 and Bent 10.

RECONSTRUCTION LONGITUDINAL JOINT SEAL

BRIDGE NO. 29-0176R



DETAIL A



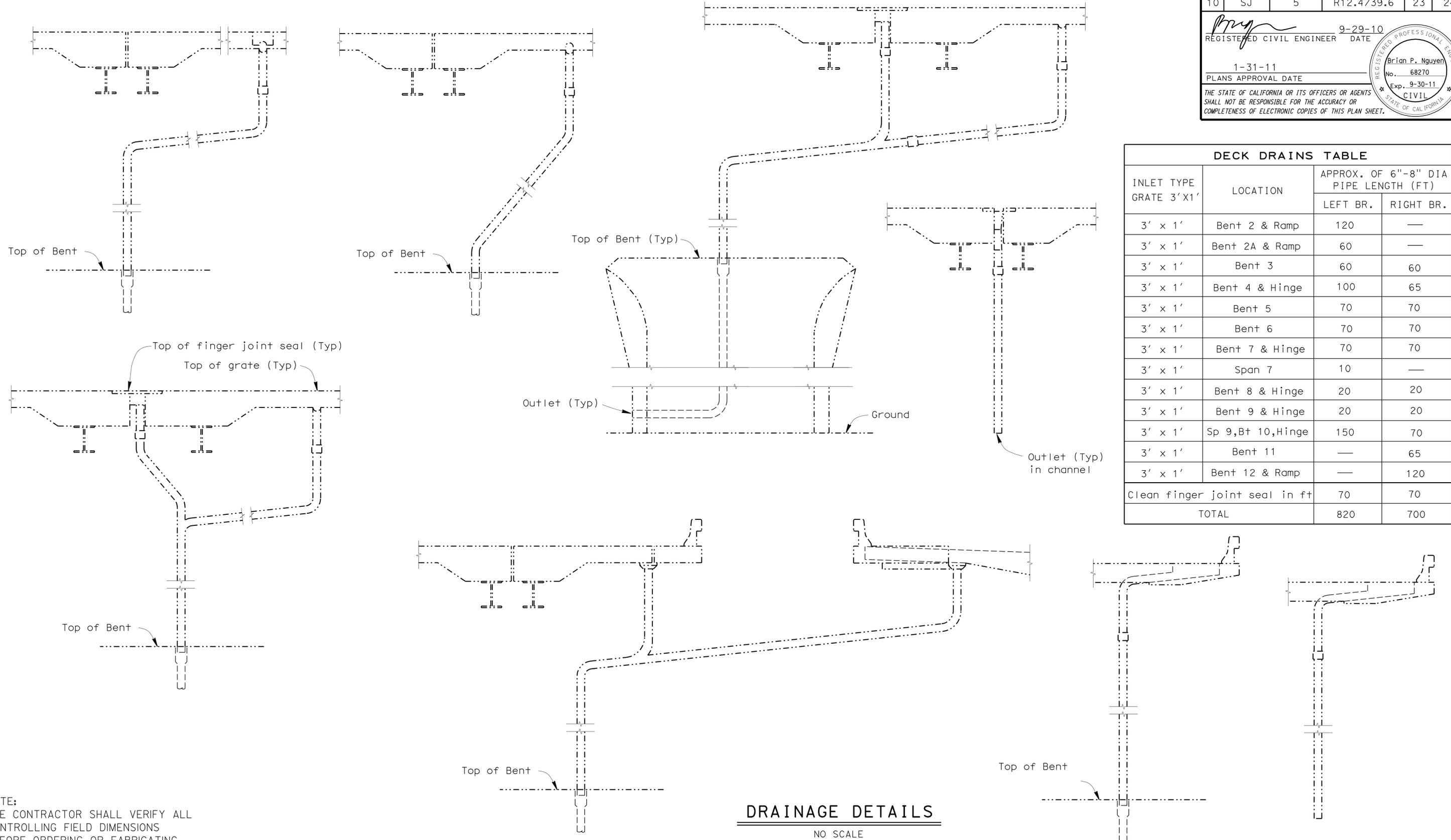
DETAIL B

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY Brian Nguyen	CHECKED Michael J. Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 5 BRIDGES						
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen			VARIOUS							
	QUANTITIES	BY Brian Nguyen	CHECKED Michael J. Lee			VARIES							
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	CU 10 EA OU5801	REVISION DATES							
						8-16-10	8-19-10	9-08-10	9-14-10	9-22-10	9-29-10	10-21-10	SHEET 11 OF 13

FILE => 10-005801_11_finger_js_dets2.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	23	24

9-29-10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 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.



INLET TYPE GRATE 3' X 1'	LOCATION	APPROX. OF 6"-8" DIA PIPE LENGTH (FT)	
		LEFT BR.	RIGHT BR.
3' x 1'	Bent 2 & Ramp	120	—
3' x 1'	Bent 2A & Ramp	60	—
3' x 1'	Bent 3	60	60
3' x 1'	Bent 4 & Hinge	100	65
3' x 1'	Bent 5	70	70
3' x 1'	Bent 6	70	70
3' x 1'	Bent 7 & Hinge	70	70
3' x 1'	Span 7	10	—
3' x 1'	Bent 8 & Hinge	20	20
3' x 1'	Bent 9 & Hinge	20	20
3' x 1'	Sp 9, Bt 10, Hinge	150	70
3' x 1'	Bent 11	—	65
3' x 1'	Bent 12 & Ramp	—	120
Clean finger joint seal in ft		70	70
TOTAL		820	700

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

DRAINAGE DETAILS
 NO SCALE
 BRIDGE NO. 29-0176L/R

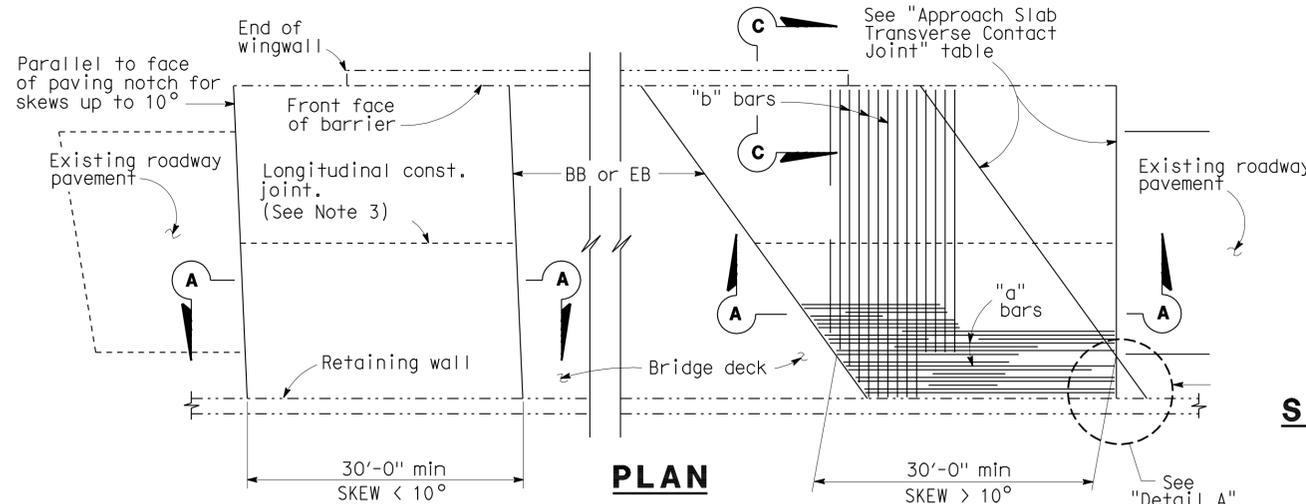
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY Brian Nguyen	CHECKED Michael J. Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 5 BRIDGES	
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen			POST MILE			DRAINAGE DETAILS
	QUANTITIES	BY Brian Nguyen	CHECKED Michael J. Lee			VARIES			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	CU 10 EA 0U5801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 9-16-10 9-22-10 9-28-10 10-21-10	SHEET 12 OF 13	

USERNAME => hp0115 DATE PLOTTED => 01-FEB-2011 TIME PLOTTED => 10:32

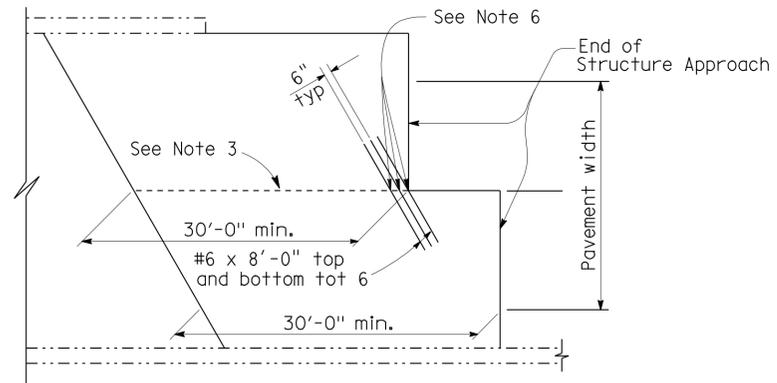
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	5	R12.4/39.6	24	24

9-29-10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 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.

Brian P. Nguyen
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA

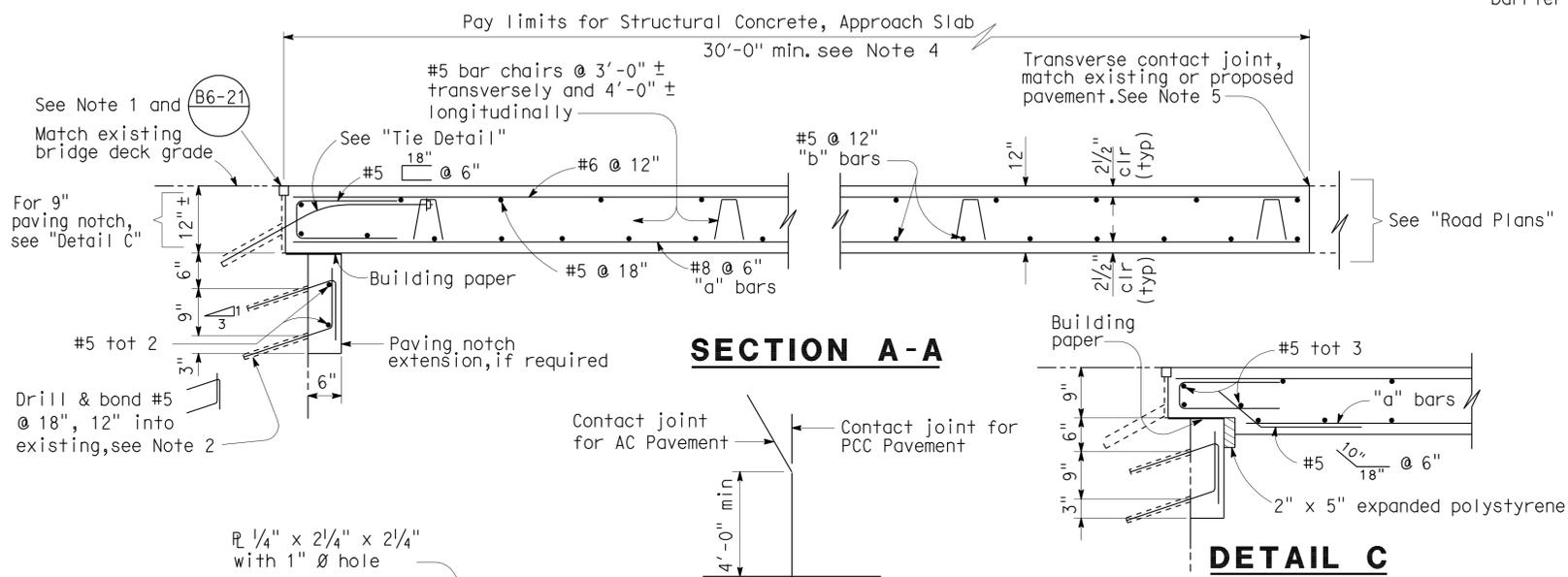


STRUCTURE APPROACH - END STAGGER DETAIL

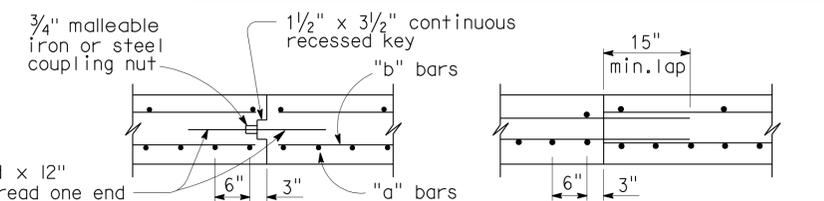
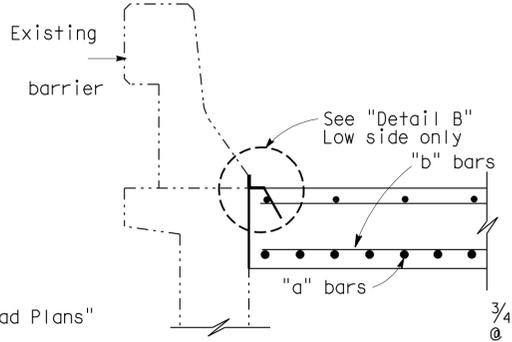


APPROACH SLAB TRANSVERSE CONTACT JOINT

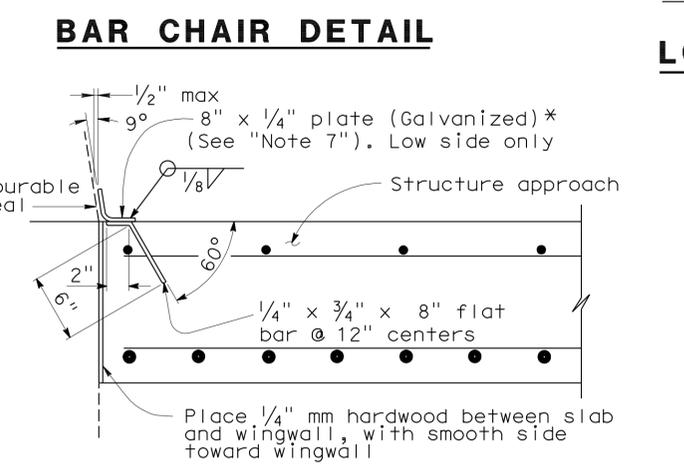
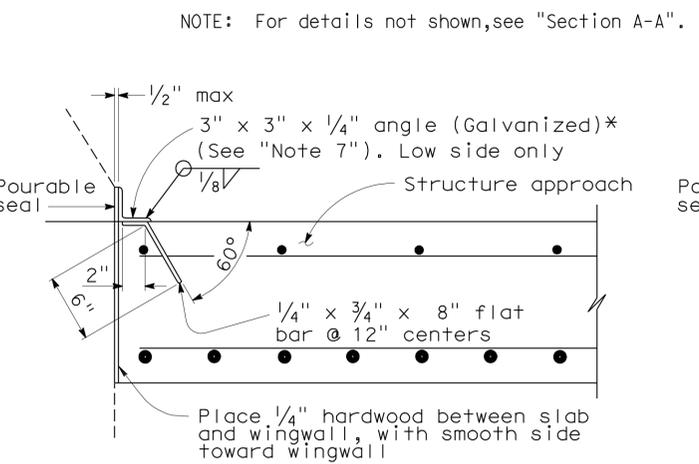
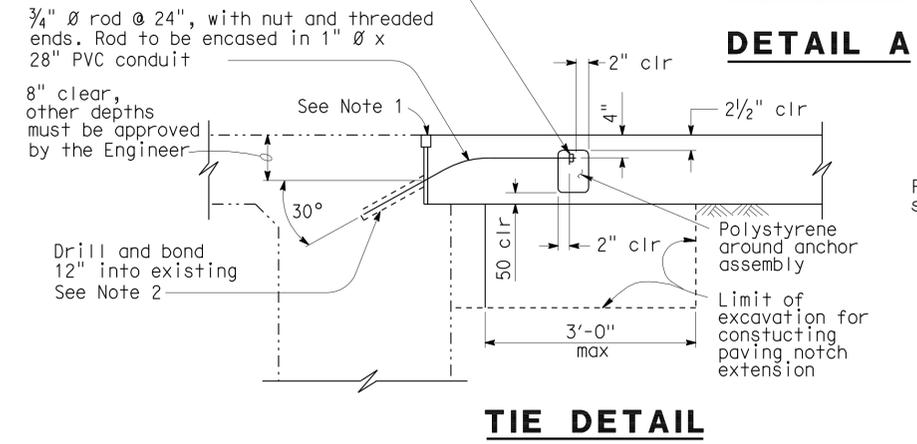
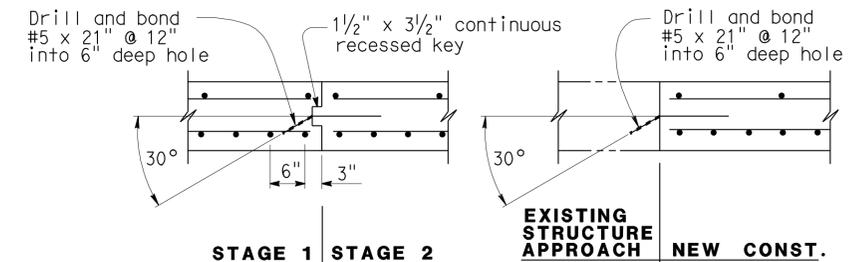
APPROACH SKEW	WITH AC ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
< 10°	Parallel to face of paving notch	Parallel to face of paving notch
10° - 45°	Parallel to face of P N use (Detail A)	Stagger lines 24'-0" to 35'-0" apart
> 45°	Parallel to face of P N use (Detail A)	Stagger at each lane line



SECTION C-C



LONGITUDINAL CONSTRUCTION JOINT ALTERNATIVES



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

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

NO SCALE

DESIGN BY Brian Nguyen	CHECKED Michael J. Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTE 5 BRIDGES STRUCTURE APPROACH TYPE R(30D)
DETAILS BY Trung Lam	CHECKED Brian Nguyen			POST MILE VARIES	
QUANTITIES BY Brian Nguyen	CHECKED Michael J. Lee			VARIES	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 CU 10 EA OU5801
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: 6-14-10 7-07-10 7-28-10 8-19-10 9-14-10 9-22-10 9-29-10 10-21-10
 SHEET 13 OF 13