

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION AREA SIGNS
3-4	DETOUR PLANS
5-6	PAVEMENT DELINEATION PLANS AND QUANTITIES
7-11	REVISED STANDARD PLANS

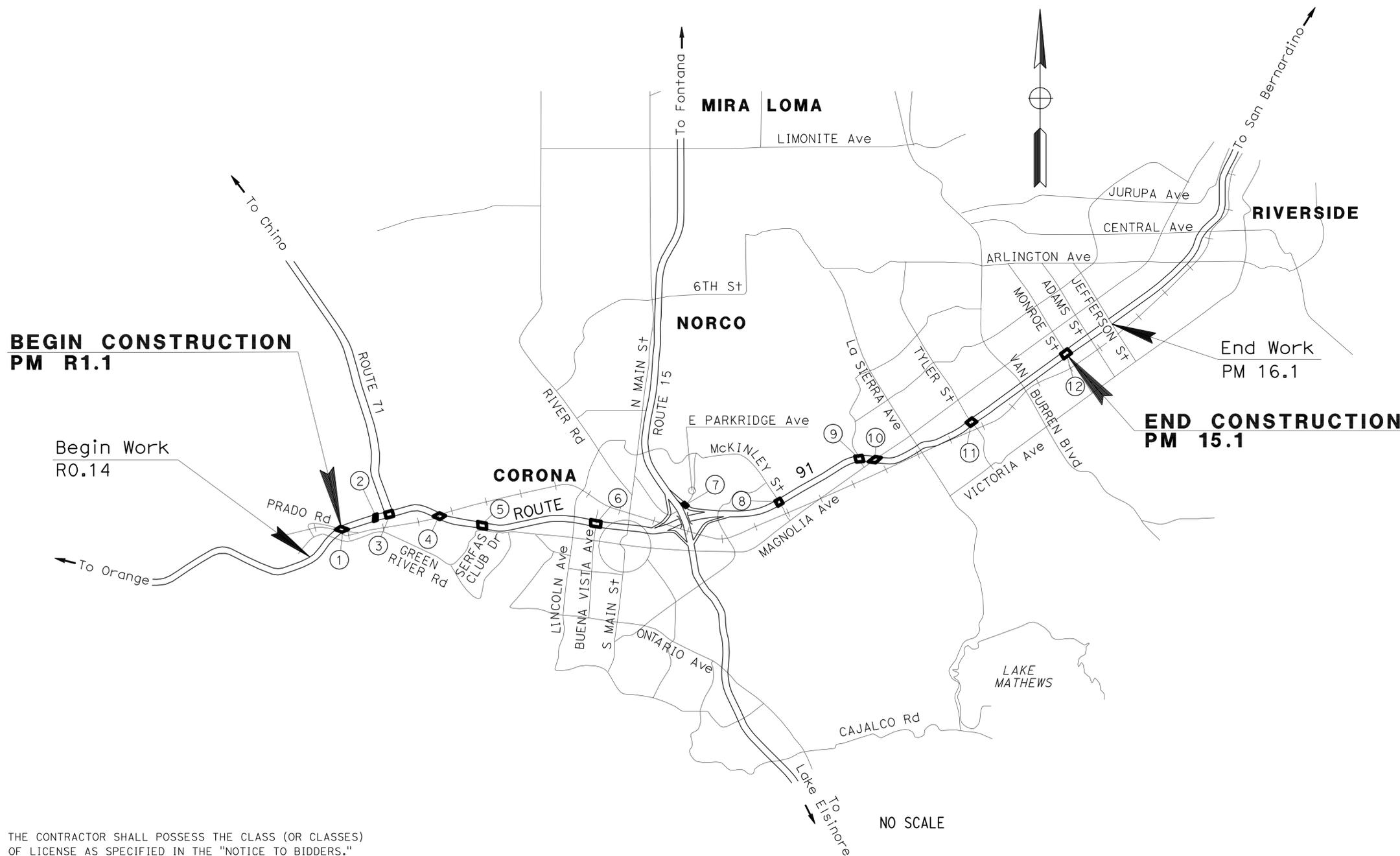
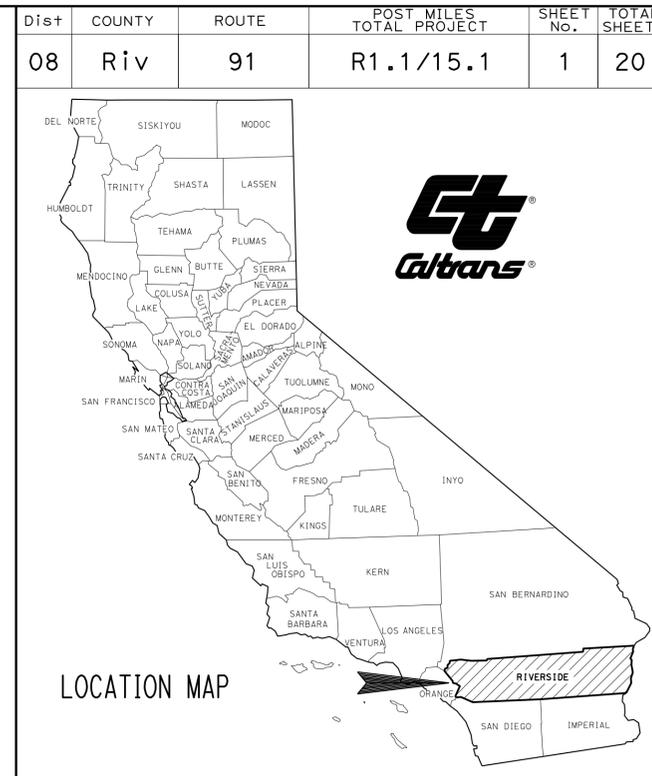
STRUCTURE PLANS

12-20	REPLACE JOINT SEAL AND TREAT BRIDGE DECK Br No. 56-0634
-------	--

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 RIVERSIDE COUNTY
AT VARIOUS LOCATIONS
FROM WEST PRADO ROAD OVERHEAD
TO MONROE STREET UNDERCROSSING**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION

No. (X)	POST MILE	BRIDGE NAME	BRIDGE NUMBER
1	R1.14	WEST PRADO OH	56-0634
2	R1.77	E91/N71 CONNECTOR UC	56-0635
3	R2.08	91/71 SEPARATION	56-0587
4	R2.84	PRADO OVERHEAD	56-0637
5	R3.71	SERFAS CLUB Dr UC	56-0638
6	5.7	BUENA VISTA Ave UC	56-0363
7	7.3	PARKRIDGE Ave UC	56-0673G
8	9.18	McKINLEY St UC	56-0365
9	10.81	PIERCE St UC	56-0369
10	11.1	MAGNOLIA Ave UC	56-0426
11	13.04	TYLER St UC	56-0419
12	15.1	MONROE St UC	56-0391

PROJECT MANAGER
CATALINO PINING

DESIGN ENGINEER
NADER GOBRAN

12-22-10
DATE
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER
KEVIN H. CHEN
No. 70017
Exp. 9-30-12
CIVIL
STATE OF CALIFORNIA
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.	08-0M6504
PROJECT ID	0800001006

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

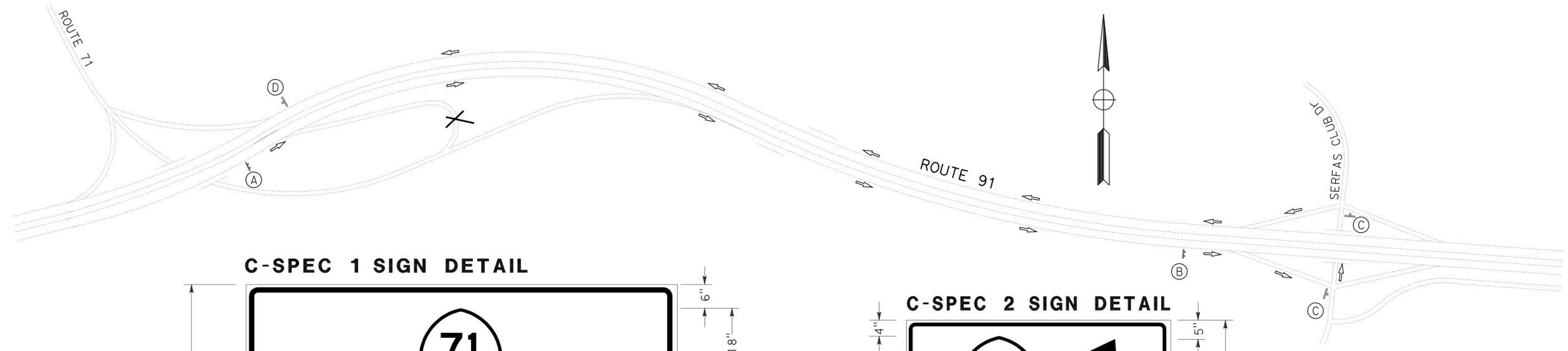
DATE PLOTTED => 22-FEB-2011 TIME PLOTTED => 10:29

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

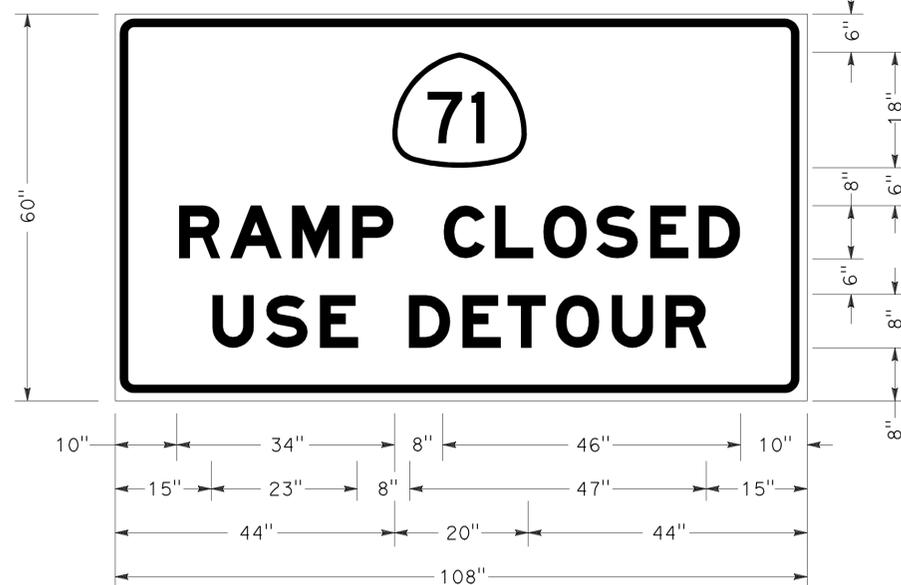
SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF POST(S) AND SIZE	No. OF SIGNS (EA)
	FED	CA				
(A)	C-SPEC-1		108" x 60"	71 RAMP CLOSED USE DETOUR	2 - 6" x 8"	1
(B)	C-SPEC-2		66" x 42"	71 (ARROW) DETOUR	2 - 4" x 6"	1
(C)*	M4-10(LT)	G28-2	48" x 18" 24" x 25"	DETOUR (LEFT) 71 SHIELD	1 - 4" x 4"	2
(D)*	M4-8a		24" x 18"	END DETOUR	2 - 4" x 4"	1
TOTAL						5

* SIGNS MAY BE PORTABLE

- LEGEND:**
- ⊥ CONSTRUCTION AREA SIGN (ONE POST)
 - ⊥ CONSTRUCTION AREA SIGN (TWO POST)
 - (X) CONSTRUCTION AREA SIGN LETTER
 - ↔ DIRECTION OF DETOUR
 - X RAMP CLOSED

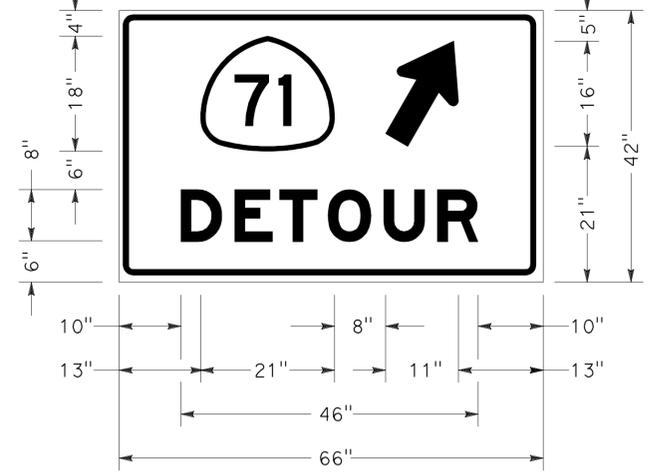


C-SPEC 1 SIGN DETAIL



3.0" RADIUS, 1.3" BORDER, 0.8" INDENT, BLACK ON ORANGE;
 [RAMP CLOSED] E Mod; [USE DETOUR] E Mod;

C-SPEC 2 SIGN DETAIL



2.3" RADIUS, 0.9" BORDER, 0.6" INDENT, BLACK ON ORANGE;
 STANDARD ARROW CUSTOM 17.9" X 10.9" 60°;
 [DETOUR] E Mod;

DETOUR DURING CLOSURE OF CONNECTOR FROM ROUTE 91 EAST TO ROUTE 71 NORTH

DETOUR PLAN

NO SCALE

DE-1

THIS PLAN ACCURATE FOR DETOUR WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN B
 FUNCTIONAL SUPERVISOR LARRY SARTORI
 CHECKED BY LARRY SARTORI
 DESIGNED BY LARRY SARTORI
 REVISIONS BY LARRY SARTORI
 DATE REVISIONS 7/2/2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	R1.1/15.1	5	20
			12-22-10	DATE	
REGISTERED CIVIL ENGINEER					
2-22-11			PLANS APPROVAL DATE		
					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

PAVEMENT DELINEATION QUANTITIES

LOCATION BRIDGE NAME/BRIDGE NUMBER	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKER	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER			THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)			THERMOPLASTIC PAVEMENT MARKING
				YELLOW		WHITE	NON-REFLECTIVE TYPE	RETRO-REFLECTIVE TYPE		4 INCH YELLOW	4 INCH WHITE	8 INCH WHITE	
				4 INCH	4 INCH	8 INCH		A	G				
				WHITE	4 INCH	4 INCH	8 INCH	A	G	H	4 INCH YELLOW	4 INCH WHITE	
	EA	SQ FT	LF	LF	LF	EA	EA	EA	EA	EA	SQ FT		
WB WEST PRADO OVERHEAD/56-0634	13M	55	-	-	-	44	11	-	-	528	-	-	
	M9.1	44	-	1584	1584	-	-	44	1056	528	-	-	
	13M	165	-	-	396	-	132	33	-	1584	-	-	
	27B	-	-	-	418	-	-	-	-	418	-	-	
	38A	-	-	-	-	836	-	-	-	-	418	-	
EB WEST PRADO OVERHEAD/56-0634	9	3	-	-	32	-	3	-	-	110	-	-	
	9	11	-	-	154	-	-	11	-	528	-	-	
	13M	220	-	-	528	-	176	44	-	2112	-	-	
WB EAST 91/NORTH 71 CONNECTOR UC/56-0635	38A	-	-	-	-	-	-	-	-	-	1056	-	
	M9.1	14	-	471	471	-	-	14	314	157	-	-	
	13M	80	-	-	157	-	64	16	-	628	-	-	
EB EAST 91/NORTH 71 CONNECTOR UC/56-0635	27B	-	-	-	157	-	-	-	-	157	-	-	
	M9.1	14	-	471	471	-	-	14	314	157	-	-	
	13M	80	-	-	157	-	64	16	-	628	-	-	
WB 91/71 SEPARATION/56-0587	27B	-	22	-	-	-	-	-	-	-	-	22	
	ONLY	-	-	-	-	-	-	-	-	-	-	-	
	M9.1	20	-	705	705	-	-	20	470	235	-	-	
	13M	100	-	-	235	-	80	20	-	940	-	-	
EB 91/71 SEPARATION/56-0587	27B	-	-	-	235	-	-	-	-	235	-	-	
	M9.2	40	-	1175	1175	-	-	40	940	235	-	-	
	13M	75	-	-	176	-	60	15	-	705	-	-	
WB PRADO OVERHEAD/56-0637	27B	-	-	-	235	-	-	-	-	235	-	-	
	M9.1	26	-	930	930	-	-	26	620	310	-	-	
	13M	140	-	-	310	-	112	28	-	1240	-	-	
EB PRADO OVERHEAD/56-0637	27B	-	-	-	310	-	-	-	-	310	-	-	
	25A	13	-	310	-	-	-	14	310	-	-	-	
	13M	140	-	-	310	-	112	28	-	1240	-	-	
WB SERFAS DRIVE UNDERCROSSING/56-0638	27B	-	-	-	310	-	-	-	-	310	-	-	
	M9.1	10	-	354	354	-	-	10	236	118	-	-	
	13M	45	-	-	89	-	36	9	-	354	-	-	
EB SERFAS DRIVE UNDERCROSSING/56-0638	27B	-	-	-	118	-	-	-	-	118	-	-	
	M9.1	10	-	354	354	-	-	10	236	118	-	-	
	13M	45	-	-	89	-	36	9	-	354	-	-	
WB BUENA VISTA AVENUE UNDERCROSSING/56-0363	27B	-	-	-	118	-	-	-	-	118	-	-	
	M9.1	6	-	204	204	-	-	6	136	68	-	-	
	13M	30	-	-	51	-	24	6	-	204	-	-	
EB BUENA VISTA AVENUE UNDERCROSSING/56-0363	27B	-	-	-	68	-	-	-	-	68	-	-	
	25	2	-	68	-	-	-	2	68	-	-	-	
	13M	40	-	-	68	-	32	8	-	272	-	-	
PARKRIDGE AVENUE UNDERCROSSING/56-0673G	27B	-	-	-	68	-	-	-	-	68	-	-	
	25A	6	-	128	-	-	-	6	128	-	-	-	
	13M	15	-	-	32	-	12	3	-	128	-	-	
	27B	-	-	-	128	-	-	-	-	128	-	-	
SUBTOTAL		-	-	-	11,486	2948	-	257	206	4828	15,803	1474	-
SHEET TOTAL		1449	22	6754	14,434	984	463			22,105	22		

ALL PAVEMENT DELINEATION SHALL BE REPLACED IN KIND.

PAVEMENT DELINEATION QUANTITIES

PDQ-1



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	91	R1.1/15.1	6	20

 12-22-10
 REGISTERED CIVIL ENGINEER DATE

2-22-11
 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.



PAVEMENT DELINEATION QUANTITIES

LOCATION BRIDGE NAME/BRIDGE NUMBER	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKER	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER			THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)			THERMOPLASTIC PAVEMENT MARKING
				YELLOW		WHITE	NON-REFLECTIVE TYPE	RETRO-REFLECTIVE TYPE		4 INCH YELLOW	4 INCH WHITE	8 INCH WHITE	
				4 INCH	4 INCH	8 INCH		A	G				
				EA	SQ FT	LF	LF	EA	EA	EA	EA	EA	
WB MCKINLEY STREET UNDERCROSSING/56-0365	M9.1	8	-	246	246	-	-	-	8	164	82	-	-
	13M	20	-	-	41	-	16	4	-	-	164	-	-
	27B	-	-	-	82	-	-	-	-	-	82	-	-
	38A	-	-	-	-	164	-	-	-	-	-	82	-
	27B	-	-	-	82	-	-	-	-	-	82	-	-
EB MCKINLEY STREET UNDERCROSSING/56-0365	M9.1	8	-	246	246	-	-	-	8	164	82	-	-
	13M	20	-	-	41	-	16	4	-	-	164	-	-
	27B	-	-	-	82	-	-	-	-	-	82	-	-
	38A	-	-	-	-	164	-	-	-	-	-	82	-
	27B	-	-	-	82	-	-	-	-	-	82	-	-
WB PIERCE STREET UNDERCROSSING/56-0369	M9.1	8	-	273	273	-	-	-	8	182	91	-	-
	13M	20	-	-	46	-	16	4	-	-	182	-	-
	27B	-	-	-	90	-	-	-	-	-	91	-	-
EB PIERCE STREET UNDERCROSSING/56-0369	M9.1	8	-	273	273	-	-	-	8	182	91	-	-
	13M	20	-	-	45	-	16	4	-	-	182	-	-
	27B	-	-	-	90	-	-	-	-	-	91	-	-
WB MAGNOLIA AVENUE UNDERCROSSING/56-0426	M9.1	30	-	1035	1035	-	-	-	30	690	345	-	-
	13M	80	-	-	173	-	64	17	-	-	690	-	-
	38A	-	-	-	-	1380	-	-	-	-	-	690	-
	27B	-	-	-	345	-	-	-	-	-	345	-	-
EB MAGNOLIA AVENUE UNDERCROSSING/56-0426	M9.1	30	-	1035	1035	-	-	-	30	690	345	-	-
	13M	80	-	-	173	-	64	17	-	-	690	-	-
	38A	-	-	-	-	1380	-	-	-	-	-	690	-
	27B	-	-	-	345	-	-	-	-	-	345	-	-
	DIAMOND	-	11	-	-	-	-	-	-	-	-	-	11
WB TYLER STREET UNDERCROSSING/56-0419	M9.1	8	-	246	246	-	-	-	8	164	82	-	-
	13M	20	-	-	41	-	16	4	-	-	164	-	-
	27B	-	-	-	82	-	-	-	-	-	82	-	-
EB TYLER STREET UNDERCROSSING/56-0419	M9.1	8	-	246	246	-	-	-	8	164	82	-	-
	13M	20	-	-	41	-	16	4	-	-	164	-	-
	27B	-	-	-	82	-	-	-	-	-	82	-	-
WB MONROE STREET UNDERCROSSING/56-0391	M9.1	8	-	252	252	-	-	-	8	168	84	-	-
	13M	20	-	-	42	-	16	4	-	-	168	-	-
	8	-	-	-	25	-	-	-	-	-	84	-	-
	27B	-	-	-	84	-	-	-	-	-	84	-	-
EB MONROE STREET UNDERCROSSING/56-0391	M9.1	8	-	252	252	-	-	-	8	168	84	-	-
	13M	30	-	-	63	-	24	6	-	-	252	-	-
	27B	-	-	-	84	-	-	-	-	-	84	-	-
SUBTOTAL		-	-	-	6365	3088	-	68	124	2736	5804	1544	-
SHEET TOTAL		454	11	4104	9453	264	192			10,084		11	
GRAND TOTAL		1903	33	10,858	23,887	1248	655			32,189		33	

ALL PAVEMENT DELINEATION SHALL BE REPLACED IN KIND.

PAVEMENT DELINEATION QUANTITIES

PDQ-2



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	91	R1.1/15.1	7	20

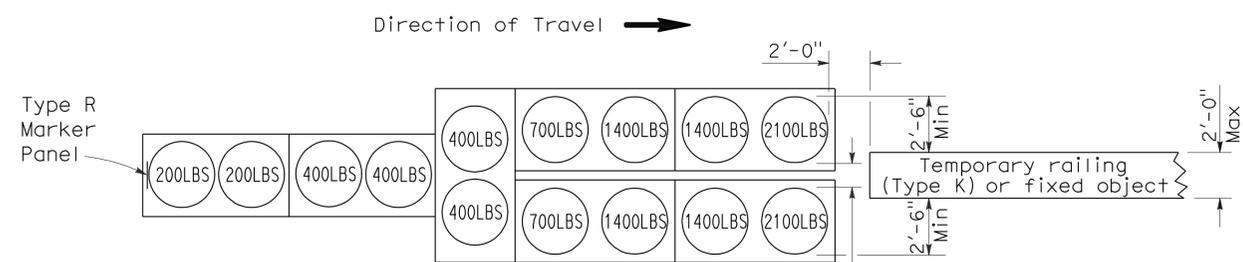
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

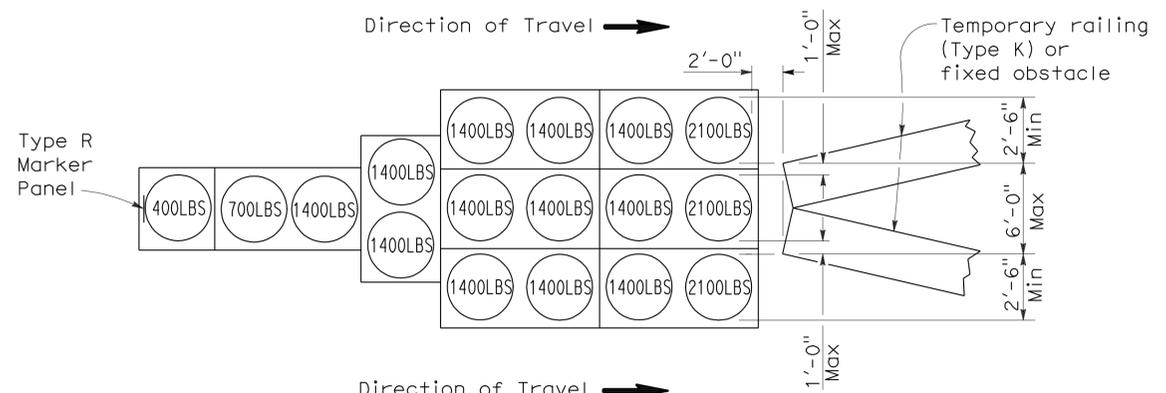
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 2-22-11



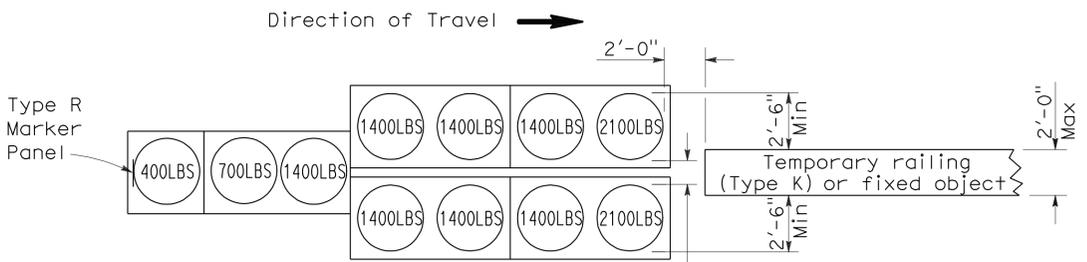
ARRAY 'TU14'

Approach speed 45 mph or more



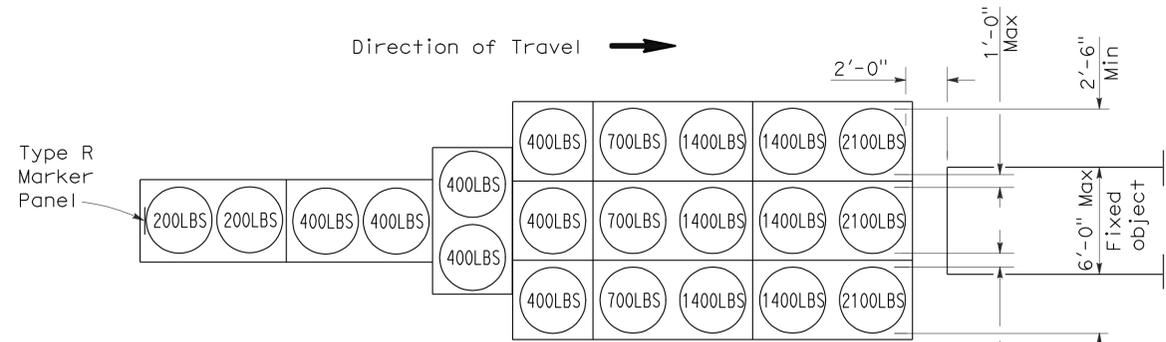
ARRAY 'TU17'

Approach speed less than 45 mph



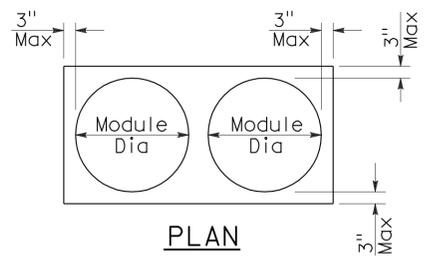
ARRAY 'TU11'

Approach speed less than 45 mph

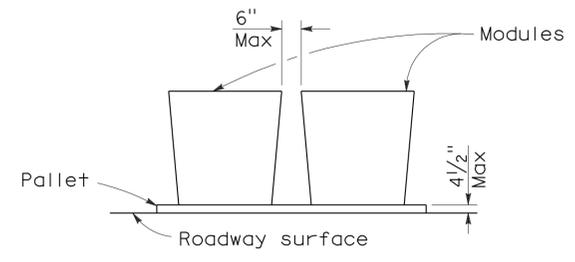


ARRAY 'TU21'

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

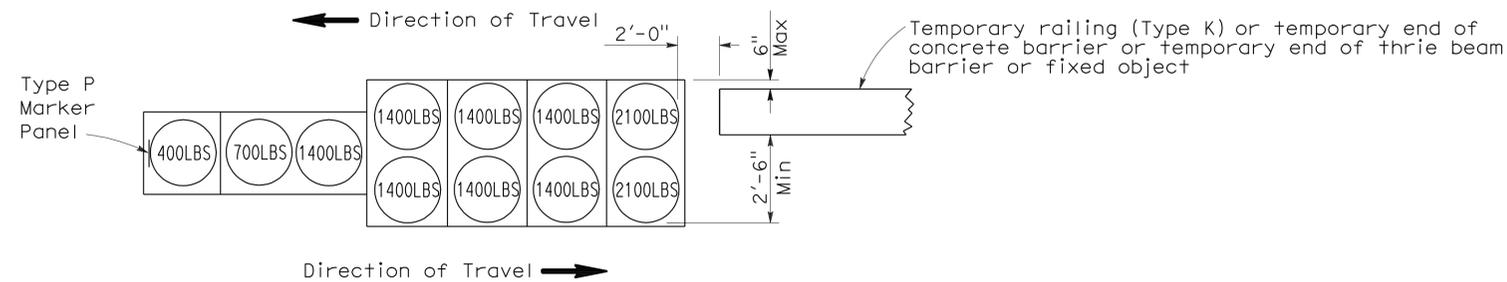
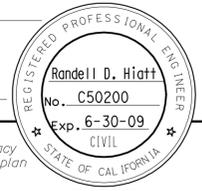
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	91	R1.1/15.1	8	20

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

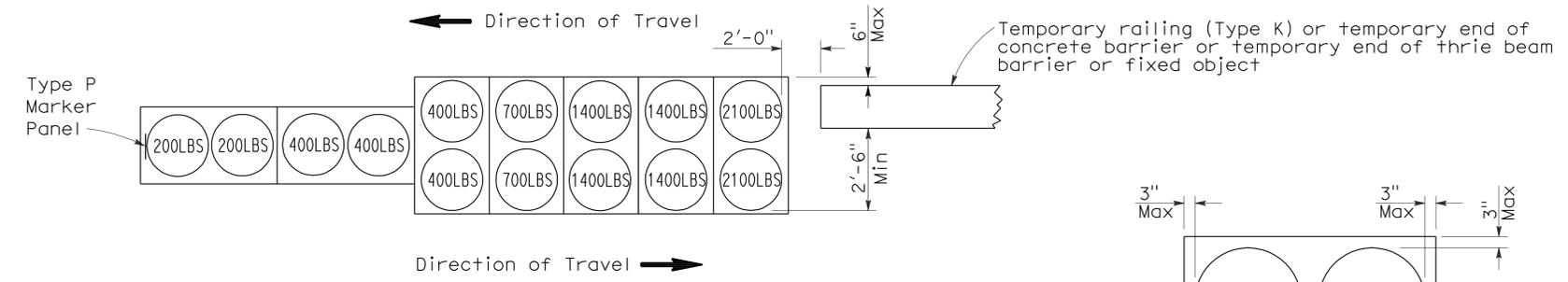
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 2-22-11



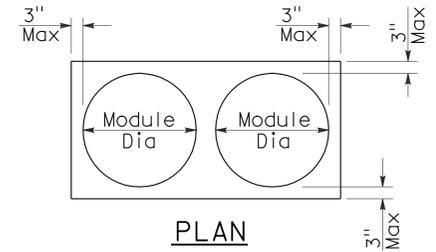
ARRAY 'TB11'

Approach speed less than 45 mph

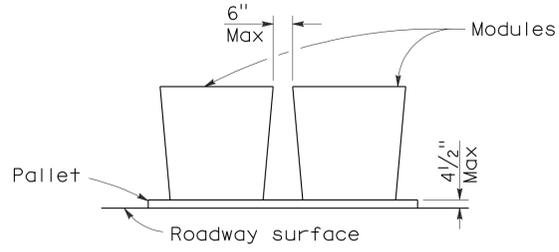


ARRAY 'TB14'

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

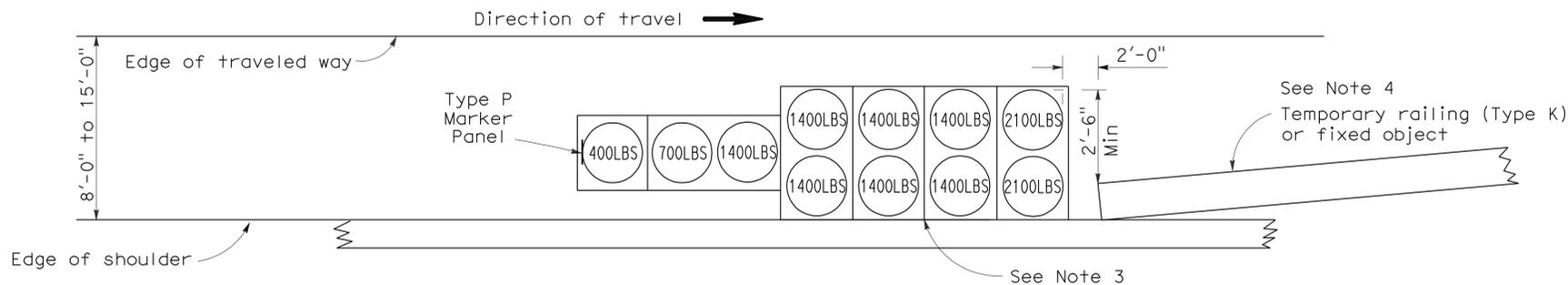
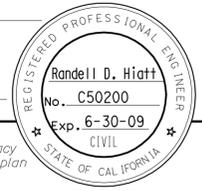
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	91	R1.1/15.1	9	20

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

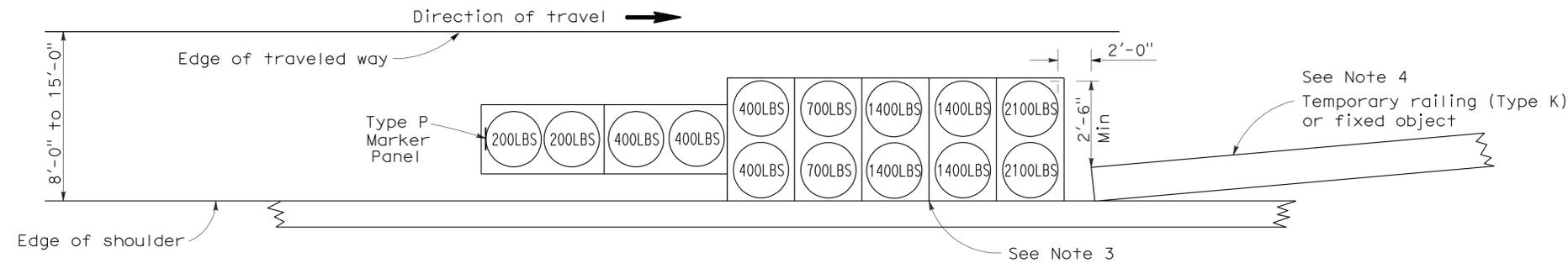
June 6, 2008
PLANS APPROVAL DATE

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.

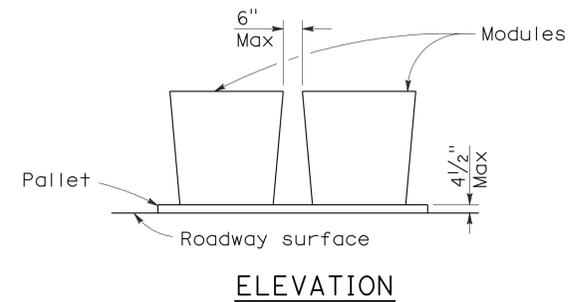
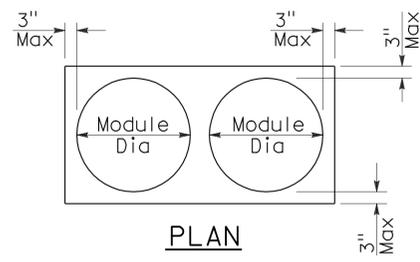
To accompany plans dated 2-22-11



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



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



CRASH CUSHION PALLET DETAIL
See Note 11

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

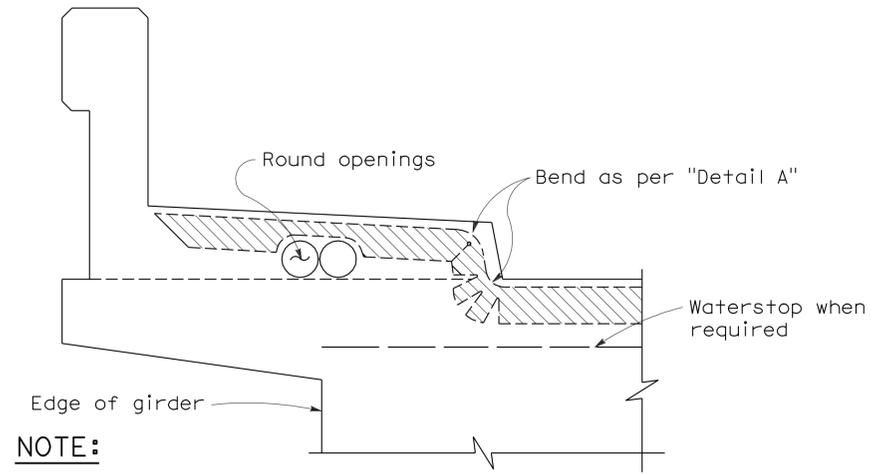
NO SCALE
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

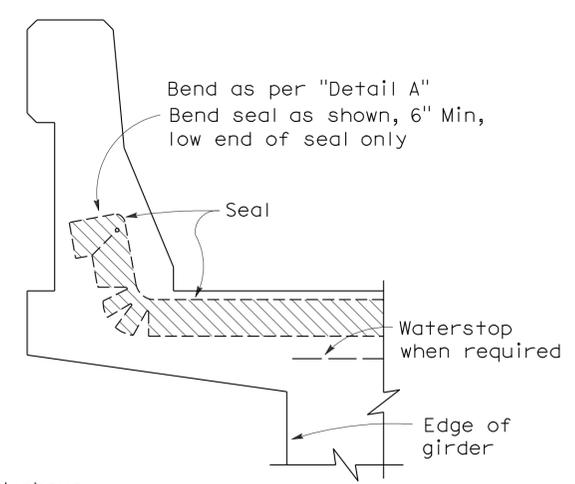
To accompany plans dated 2-22-11

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

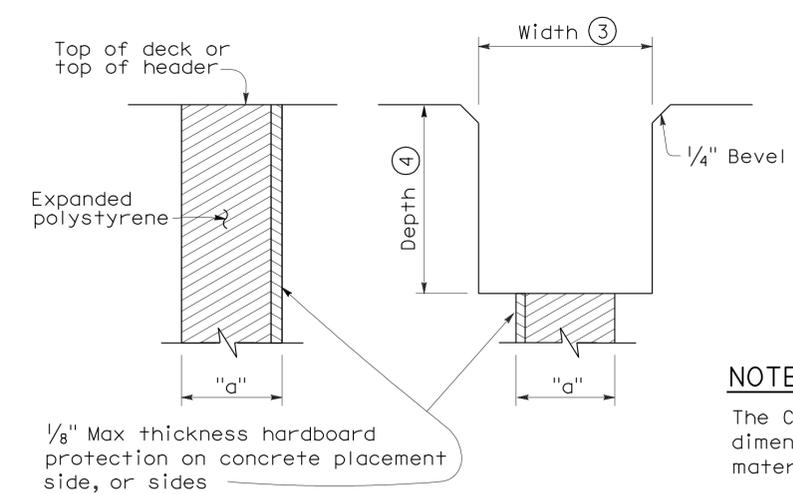


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK

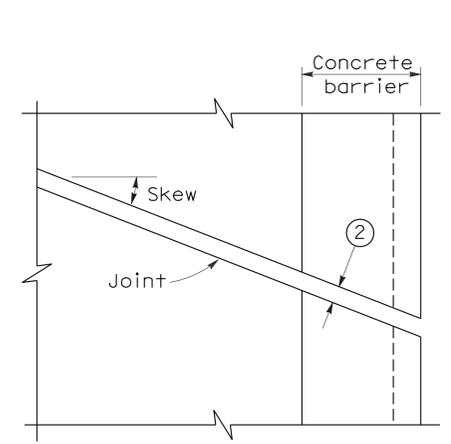


CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

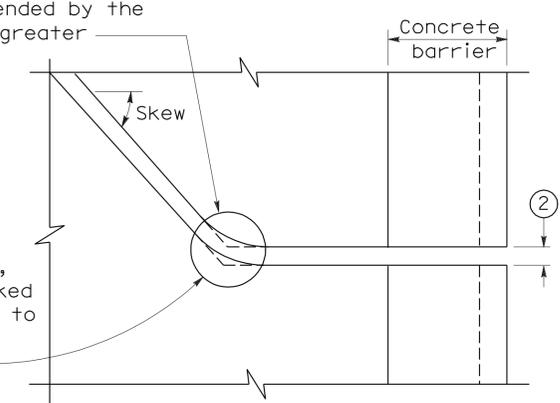
JOINT SEALS DETAILS



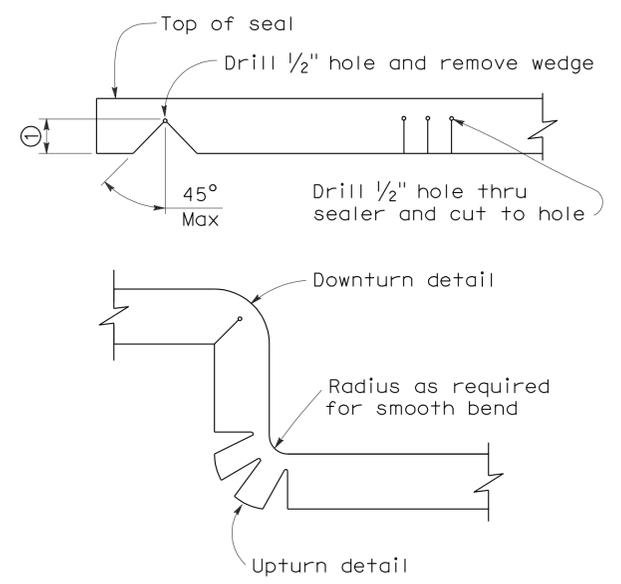
PLAN OF JOINT (SKEW ≤ 20°)

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

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



PLAN OF JOINT (SKEW > 20°)



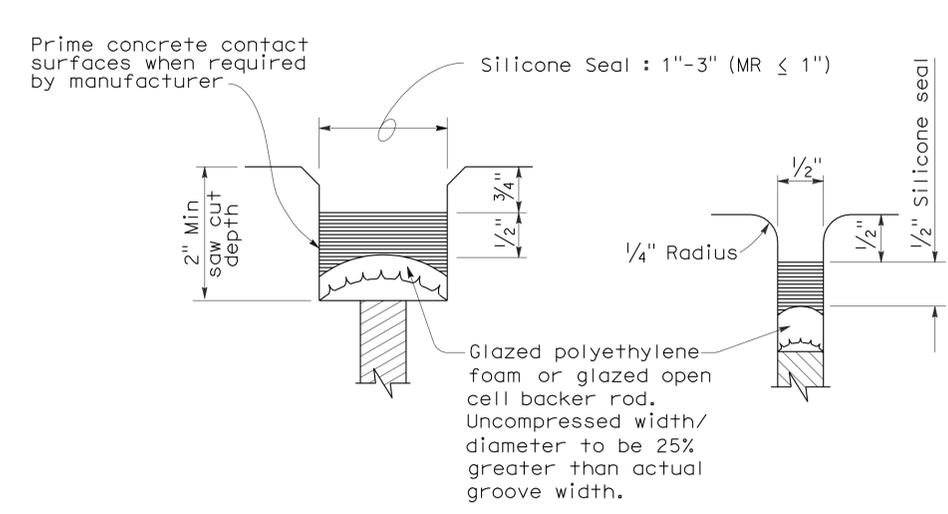
DETAIL A

- 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"

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

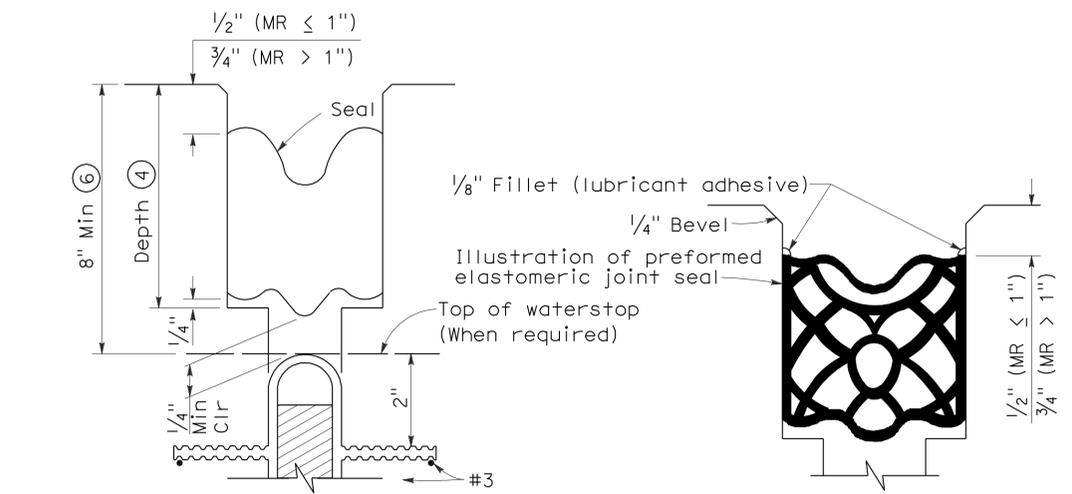


TYPE A SEAL

Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W₂)

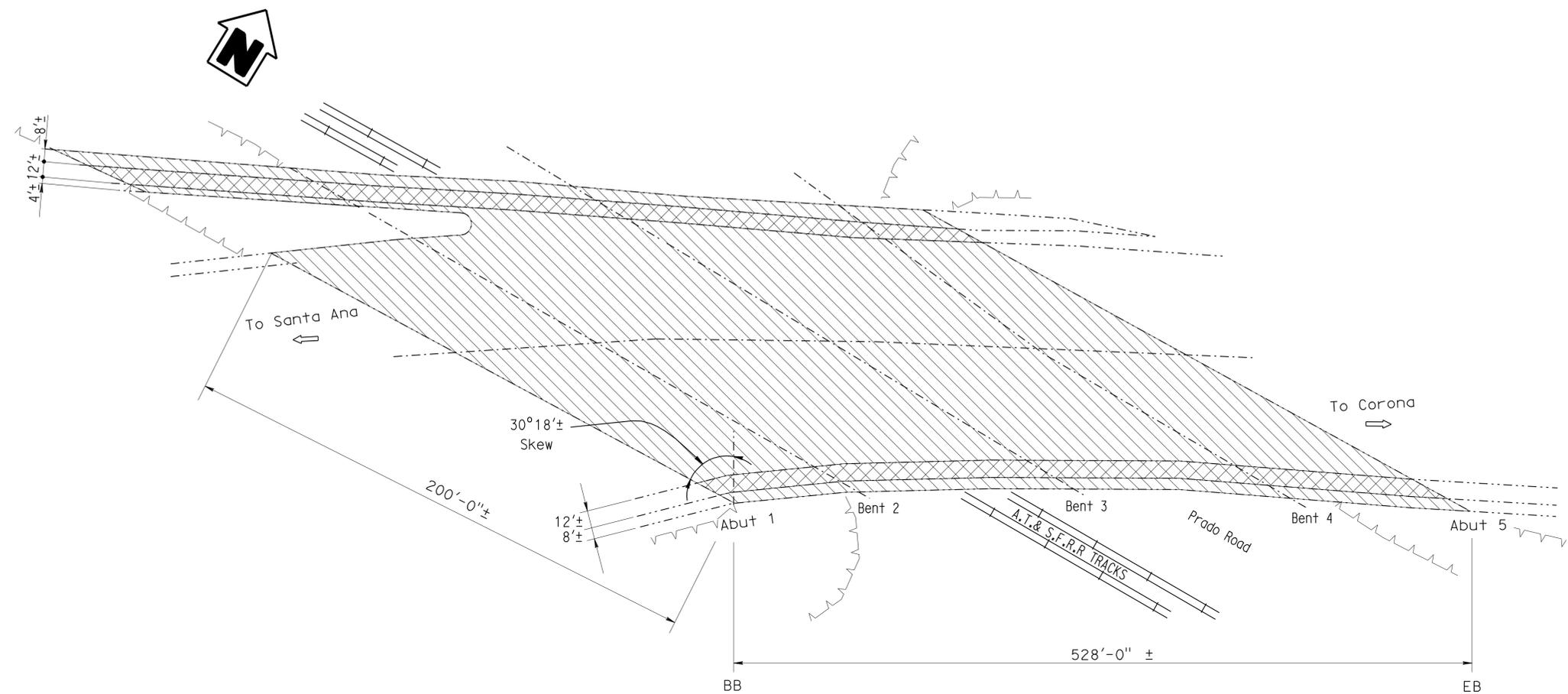
TYPE B SEAL

Movement Rating ≤ 2"

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	91	R1.1/15.1	12	20

A. Kushkaki 10-21-10
 REGISTERED CIVIL ENGINEER DATE
 2-22-11
 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.



- LEGEND:**
- INDICATES EXISTING STRUCTURE
 - INDICATES LIMITS OF REMOVE CONCRETE DECK (3/4"), PREPARE CONCRETE BRIDGE DECK SURFACE, FURNISH AND PLACE NEW (3/4") POLYESTER CONCRETE OVERLAY. PRIOR TO PLACING NEW POLYESTER CONCRETE OVERLAY, REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE AS SHOWN ON THE "DECK OVERLAY DETAIL" ON MISCELLANEOUS SHEET.
 - INDICATES LIMITS OF REMOVE EXISTING AC DECK OVERLAY (±2"), PREPARE CONCRETE BRIDGE DECK SURFACE, FURNISH AND PLACE NEW POLYESTER CONCRETE OVERLAY (2"). PRIOR TO PLACING POLYESTER CONCRETE OVERLAY, REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE AS SHOWN ON THE "DECK OVERLAY DETAIL" ON MISCELLANEOUS SHEET.
 - INDICATES BRIDGE LOCATION, SEE TITLE SHEET.

① **WEST PRADO OVERHEAD**
 BR. No. 56-0634, Rte 91, PM R1.14
 NO SCALE

INDEX TO PLANS

SHEET No.	TITLE
1	GENERAL PLAN 1
2	GENERAL PLAN 2
3	GENERAL PLAN 3
4	GENERAL PLAN 4
5	GENERAL PLAN 5
6	GENERAL PLAN 6
7	GENERAL PLAN 7
8	GENERAL PLAN 8
9	MISCELLANEOUS DETAILS

① **WEST PRADO OVERHEAD** BRIDGE NO. 56-0634
 QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	12,672	SQFT
REMOVE CONCRETE DECK SURFACE	94,556	SQFT
REMOVE UNSOUND CONCRETE	360	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	107,228	SQFT
RAPID SETTING CONCRETE (PATCH)	360	CF
FURNISH POLYESTER CONCRETE OVERLAY	8,022	CF
PLACE POLYESTER CONCRETE OVERLAY	107,228	SQFT

STANDARD PLANS DATED MAY 2006

SHEET No.	TITLE
A10A TO A10B	ACRONYMS AND ABBREVIATIONS
RSP B6-21	JOINT SEALS (MAXIMUM MR=2")

REPLACE JOINT SEAL & TREAT BRIDGE DECK
 Br. No. 56-0634
GENERAL PLAN 1

 DESIGN ENGINEER 10-21-10	DESIGN	BY A. Kushkaki	CHECKED L. Ellis	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	56-0634	
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu			CHECKED A. Kushkaki	POST MILE	R1.14
	QUANTITIES	BY A. Kushkaki	CHECKED L. Ellis	SPECIFICATIONS	BY J. Holman			PLANS AND SPECS COMPARED		

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

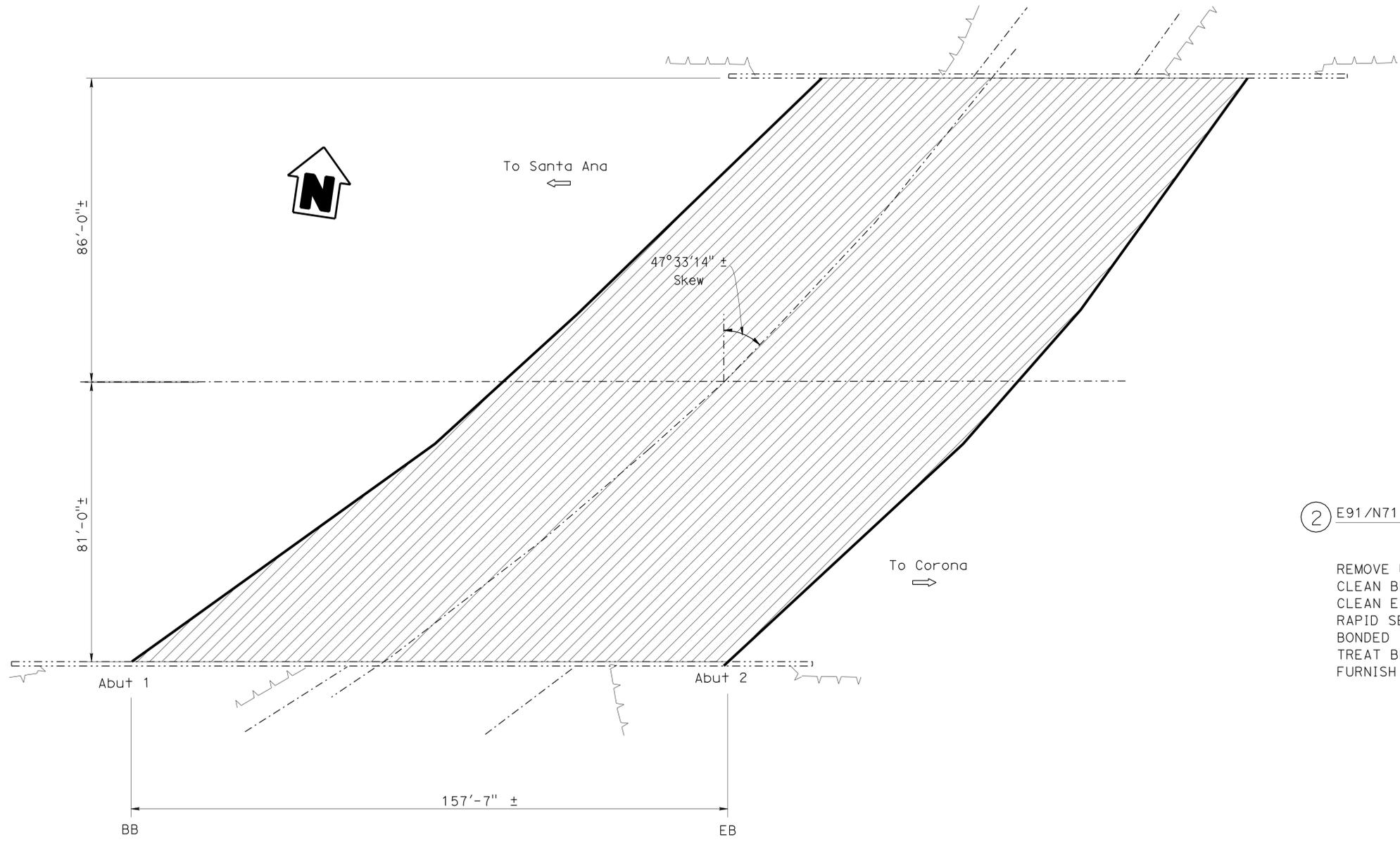
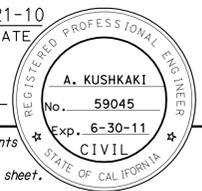


CU 08608
EA 0M6501

DISREGARD PRINTS BEARING EARLIER REVISION DATES	5-18-10	6-21-10	7-22-10	7-27-10	9-03-10	10-11-10	10-17-10
---	---------	---------	---------	---------	---------	----------	----------

USERNAME => hrmguys DATE PLOTTED => 22-FEB-2011 TIME PLOTTED => 09:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	91	R1.1/15.1	13	20
<i>A. Kushkaki</i> REGISTERED CIVIL ENGINEER			10-21-10	DATE	
2-22-11 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.					



LEGEND:

- INDICATES EXISTING STRUCTURE
- INDICATES LIMITS OF REMOVE UNSOUND CONCRETE AND REPLACE WITH RAPID SETTING CONCRETE, CLEAN AND TREAT DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
- INDICATES LOCATION OF REMOVE EXISTING JOINT SEAL AND PLACE NEW JOINT SEAL. FOR DETAILS SEE "JOINT SEAL TABLE" ON MISCELLANEOUS DETAILS SHEET.
- INDICATES BRIDGE LOCATION, SEE TITLE SHEET.

② E91/N71 CONNECTION UC BRIDGE NO. 56-0635

QUANTITIES

REMOVE UNSOUND CONCRETE	130	CF
CLEAN BRIDGE DECK	38,886	SQFT
CLEAN EXPANSION JOINT	494	LF
RAPID SETTING CONCRETE (PATCH)	130	CF
BONDED JOINT SEAL (MR 1 1/2")	494	LF
TREAT BRIDGE DECK	38,886	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	440	GAL

② E91/N71 CONNECTION UC
 BR. No. 56-0635, Rte 91, PM R1.77
 NO SCALE

Kenneth R. Brown
 DESIGN ENGINEER 10-21-10

DESIGN	BY A. Kushkaki	CHECKED L. Ellis	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu
QUANTITIES	BY A. Kushkaki	CHECKED L. Ellis	SPECIFICATIONS	BY J. Holman

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

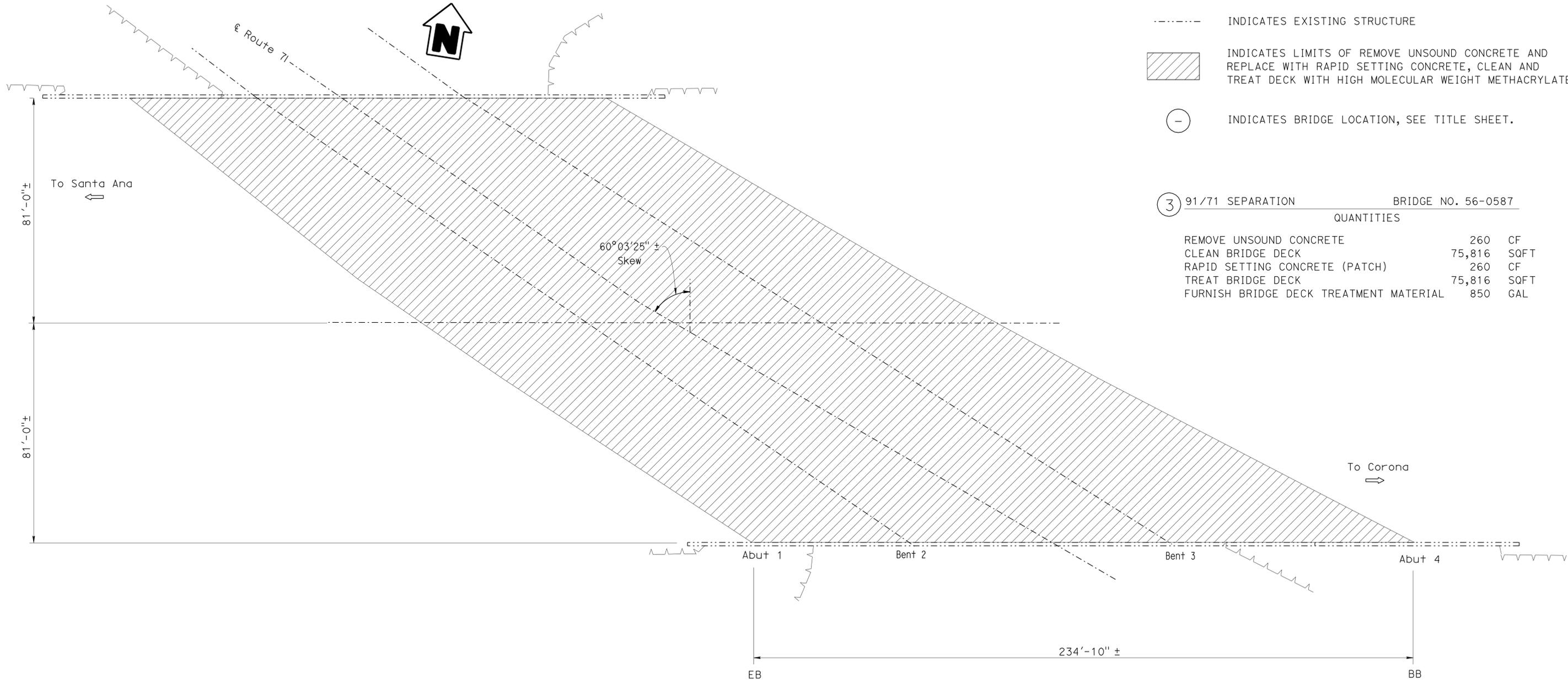
DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.	56-0635
POST MILE	R1.77

REPLACE JOINT SEAL & TREAT BRIDGE DECK
 Br. No. 56-0635
GENERAL PLAN 2

USERNAME => hrmnguy Date PLOTTED => 22-FEB-2011 TIME PLOTTED => 09:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	91	R1.1/15.1	14	20
<i>A. Kushkaki</i> REGISTERED CIVIL ENGINEER			10-21-10 DATE		
			2-22-11 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>					



LEGEND:

- INDICATES EXISTING STRUCTURE
- INDICATES LIMITS OF REMOVE UNSOUND CONCRETE AND REPLACE WITH RAPID SETTING CONCRETE, CLEAN AND TREAT DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
- INDICATES BRIDGE LOCATION, SEE TITLE SHEET.

③ 91/71 SEPARATION BRIDGE NO. 56-0587

QUANTITIES

REMOVE UNSOUND CONCRETE	260	CF
CLEAN BRIDGE DECK	75,816	SQFT
RAPID SETTING CONCRETE (PATCH)	260	CF
TREAT BRIDGE DECK	75,816	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	850	GAL

③ 91/71 SEPARATION
BR. No. 56-0587, Rte 91, PM R2.08
NO SCALE

Kenneth R. Brown
DESIGN ENGINEER 10-21-10

DESIGN	BY A. Kushkaki	CHECKED L. Ellis	LOAD FACTOR DESIGN	LIVE LOADING: AND HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu
QUANTITIES	BY A. Kushkaki	CHECKED L. Ellis	SPECIFICATIONS	BY J. Holman
				CHECKED A. Kushkaki
				PLANS AND SPECS COMPARED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.	56-0587
POST MILE	R2.08

REPLACE JOINT SEAL & TREAT BRIDGE DECK
Br. No. 56-0587
GENERAL PLAN 3

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



CU 08608
EA 0M6501

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES			
6-2-10	6-21-10	9-03-10	

SHEET	OF
3	9

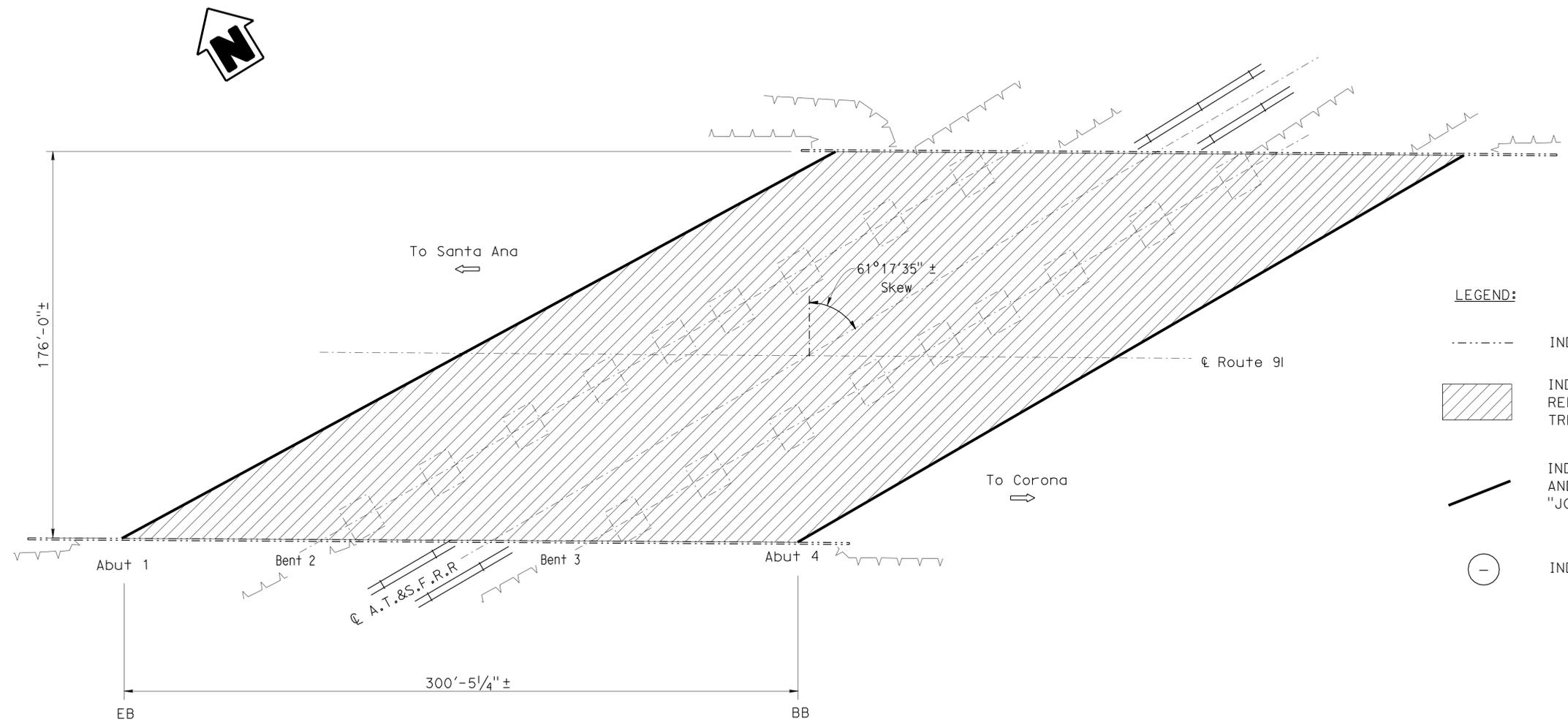
TIME PLOTTED => 09:45
USERNAME => hrmguys DATE PLOTTED => 22-FEB-2011

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	91	R1.1/15.1	15	20

10-21-10
 REGISTERED CIVIL ENGINEER DATE
 2-22-11
 PLANS APPROVAL DATE
 A. KUSHKAKI
 No. 59045
 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.

④ PRADO OVERHEAD BRIDGE NO. 56-0637
 QUANTITIES

REMOVE UNSOUND CONCRETE	180	CF
CLEAN BRIDGE DECK	52,888	SQFT
CLEAN EXPANSION JOINT	720	LF
RAPID SETTING CONCRETE (PATCH)	180	CF
BONDED JOINT SEAL (MR 2")	720	LF
TREAT BRIDGE DECK	52,888	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	590	GAL



- LEGEND:**
- INDICATES EXISTING STRUCTURE
 - INDICATES LIMITS OF REMOVE UNSOUND CONCRETE AND REPLACE WITH RAPID SETTING CONCRETE, CLEAN AND TREAT DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
 - INDICATES LOCATION OF REMOVE EXISTING JOINT SEAL AND PLACE NEW JOINT SEAL. FOR DETAILS SEE "JOINT SEAL TABLE" ON MISCELLANEOUS DETAILS SHEET.
 - INDICATES BRIDGE LOCATION, SEE TITLE SHEET.

④ PRADO OVERHEAD
 BR. No. 56-0637, Rte 91, PM R2.84
 NO SCALE

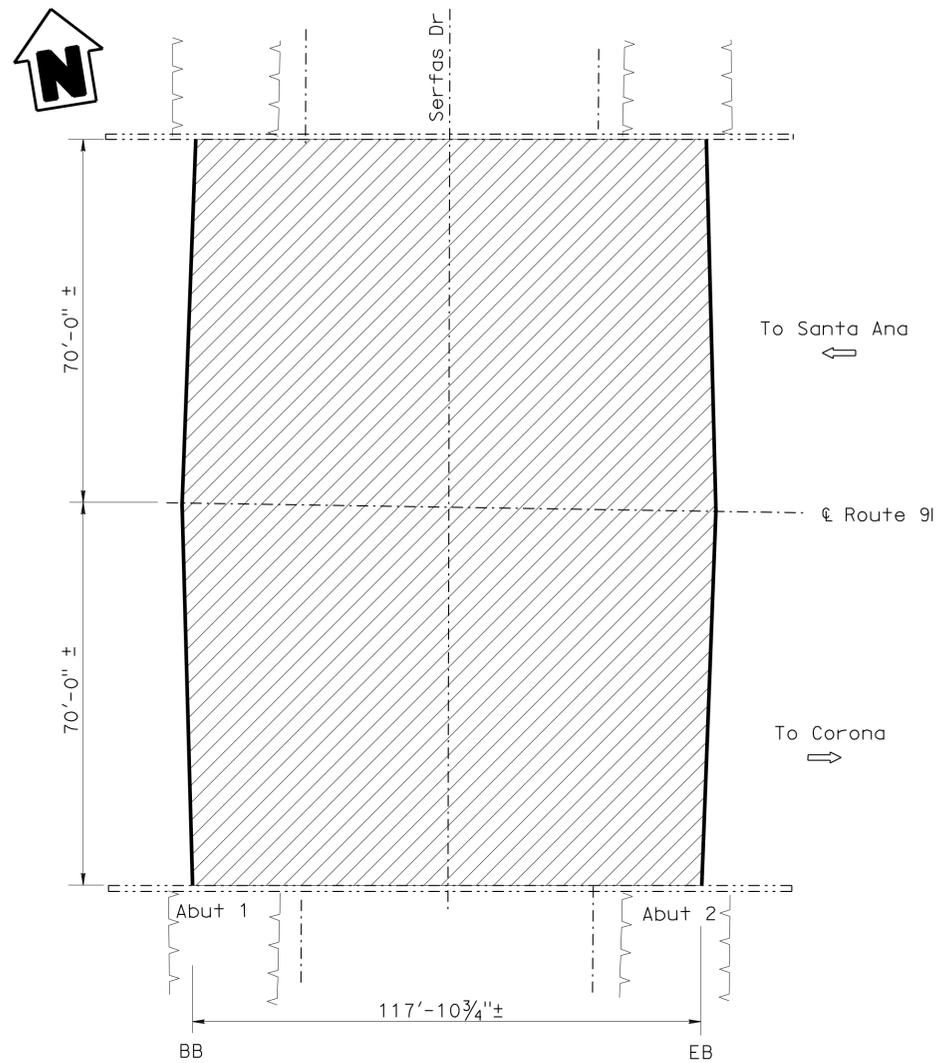
REPLACE JOINT SEAL & TREAT BRIDGE DECK
 Br. No. 56-0637
 GENERAL PLAN 4

 DESIGN ENGINEER 10-21-10	DESIGN	BY A. Kushkaki	CHECKED L. Ellis	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	56-0587	
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu			CHECKED A. Kushkaki	POST MILE	R2.08
	QUANTITIES	BY A. Kushkaki	CHECKED L. Ellis	SPECIFICATIONS	BY J. Holman			PLANS AND SPECS COMPARED		

REVISION DATES					SHEET	OF
6-2-10	6-21-10	9-03-10			4	9

USERNAME => hrmnguy DATE PLOTTED => 22-FEB-2011 TIME PLOTTED => 09:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	91	1.1/15.1	16	20
<i>A. Kushkaki</i> REGISTERED CIVIL ENGINEER DATE 10-21-10			2-22-11 PLANS APPROVAL DATE		
A. KUSHKAKI No. 59045 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.		



⑥ BUENA VISTA AVE UNDERCROSSING BRIDGE No. 56-0363

QUANTITIES

REMOVE UNSOUND CONCRETE	31	CF
CLEAN BRIDGE DECK	9,112	SQFT
CLEAN EXPANSION JOINT	268	LF
RAPID SETTING CONCRETE (PATCH)	31	CF
JOINT SEAL (MR 1/2")	268	LF
TREAT BRIDGE DECK	9,112	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	110	GAL

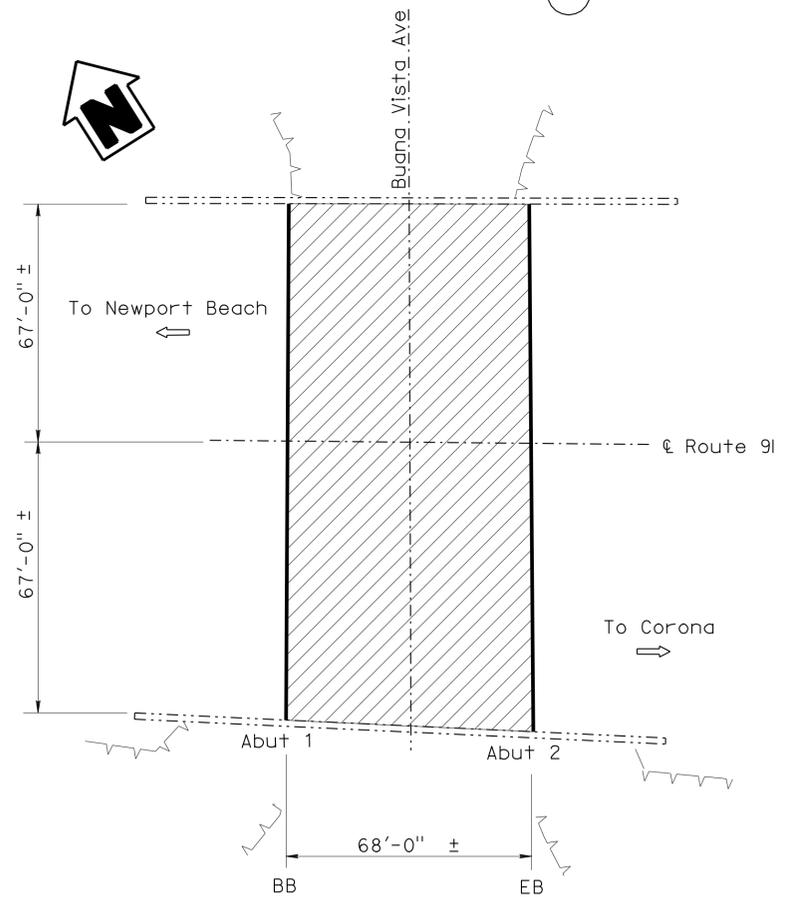
- LEGEND:
- INDICATES EXISTING STRUCTURE
 - INDICATES LIMITS OF REMOVE UNSOUND CONCRETE AND REPLACE WITH RAPID SETTING CONCRETE, CLEAN AND TREAT DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
 - INDICATES LOCATION OF REMOVE EXISTING JOINT SEAL AND PLACE NEW JOINT SEAL. FOR DETAILS SEE "JOINT SEAL TABLE" ON MISCELLANEOUS DETAILS SHEET.
 - INDICATES BRIDGE LOCATION, SEE TITLE SHEET.

⑤ SERFAS DRIVE UNDERCROSSING
Br. No. 56-0638, Rte 91, PM R3.71
NO SCALE

⑤ SERFAS DRIVE UNDERCROSSING BRIDGE No. 56-0638

QUANTITIES

REMOVE UNSOUND CONCRETE	55	CF
CLEAN BRIDGE DECK	16,520	SQFT
CLEAN EXPANSION JOINT	280	LF
RAPID SETTING CONCRETE (PATCH)	55	CF
JOINT SEAL (MR 1")	280	LF
TREAT BRIDGE DECK	16,520	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	190	GAL



⑥ BUENA VISTA AVENUE UNDERCROSSING
Br. No. 56-0363, Rte 91, PM 5.7
NO SCALE

Kenneth R. Brown
DESIGN ENGINEER 10-21-10

DESIGN	BY A. Kushkaki	CHECKED L. Ellis	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu
QUANTITIES	BY A. Kushkaki	CHECKED L. Ellis	SPECIFICATIONS	BY J. Holman

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO. Var
POST MILE Var

REPLACE JOINT SEAL & TREAT BRIDGE DECK
Br. Nos. 56-0638 & 56-0363
GENERAL PLAN 5

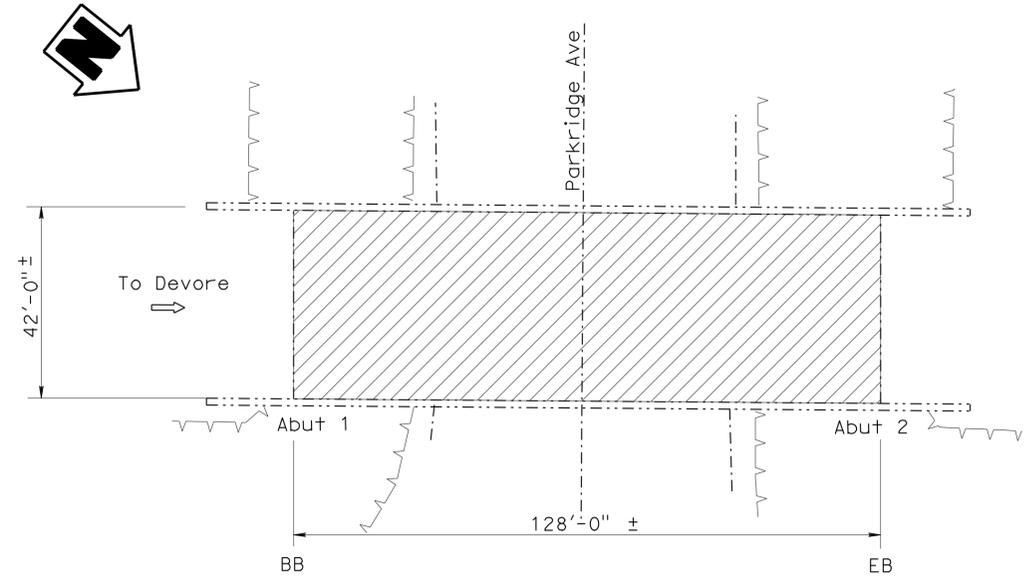
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	91	1.1/15.1	17	20

A. Kushkaki 10-21-10
REGISTERED CIVIL ENGINEER DATE

2-22-11
PLANS APPROVAL DATE

A. KUSHKAKI
No. 59045
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.



7 PARKRIDGE AVENUE UNDERCROSSING
Br. No. 56-0673G, Rte 91, PM 7.3
NO SCALE

7 PARKRIDGE AVE UNDERCROSSING BRIDGE No. 56-0673G

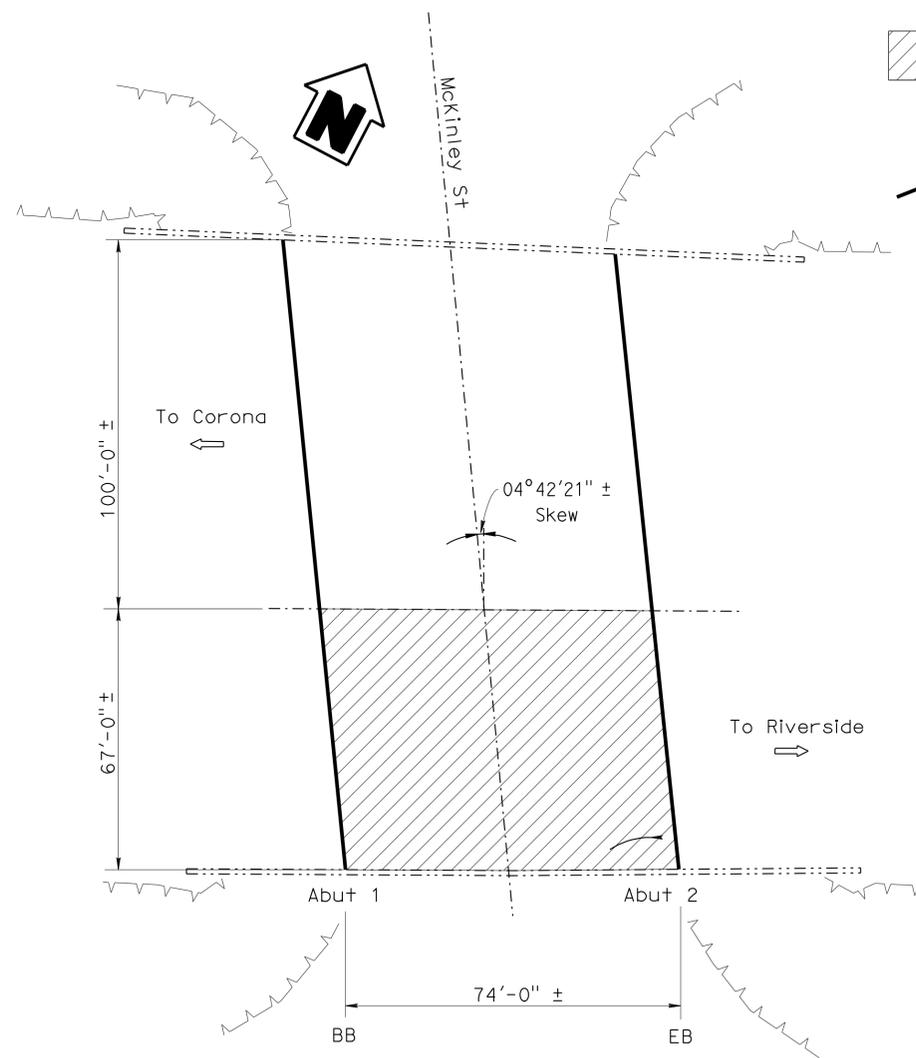
QUANTITIES

REMOVE UNSOUND CONCRETE	20	CF
CLEAN BRIDGE DECK	5,376	SQFT
RAPID SETTING CONCRETE (PATCH)	20	CF
TREAT BRIDGE DECK	5,376	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	60	GAL

8 MCKINLEY STREET UNDERCROSSING BRIDGE No. 56-0365

QUANTITIES

REMOVE UNSOUND CONCRETE	20	CF
CLEAN BRIDGE DECK	4,958	SQFT
CLEAN EXPANSION JOINT	334	LF
RAPID SETTING CONCRETE (PATCH)	20	CF
JOINT SEAL (MR 1")	334	LF
TREAT BRIDGE DECK	4,958	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	55	GAL



8 MCKINLEY STREET UNDERCROSSING
Br. No. 56-0365, Rte 91, PM 9.18
NO SCALE

LEGEND:

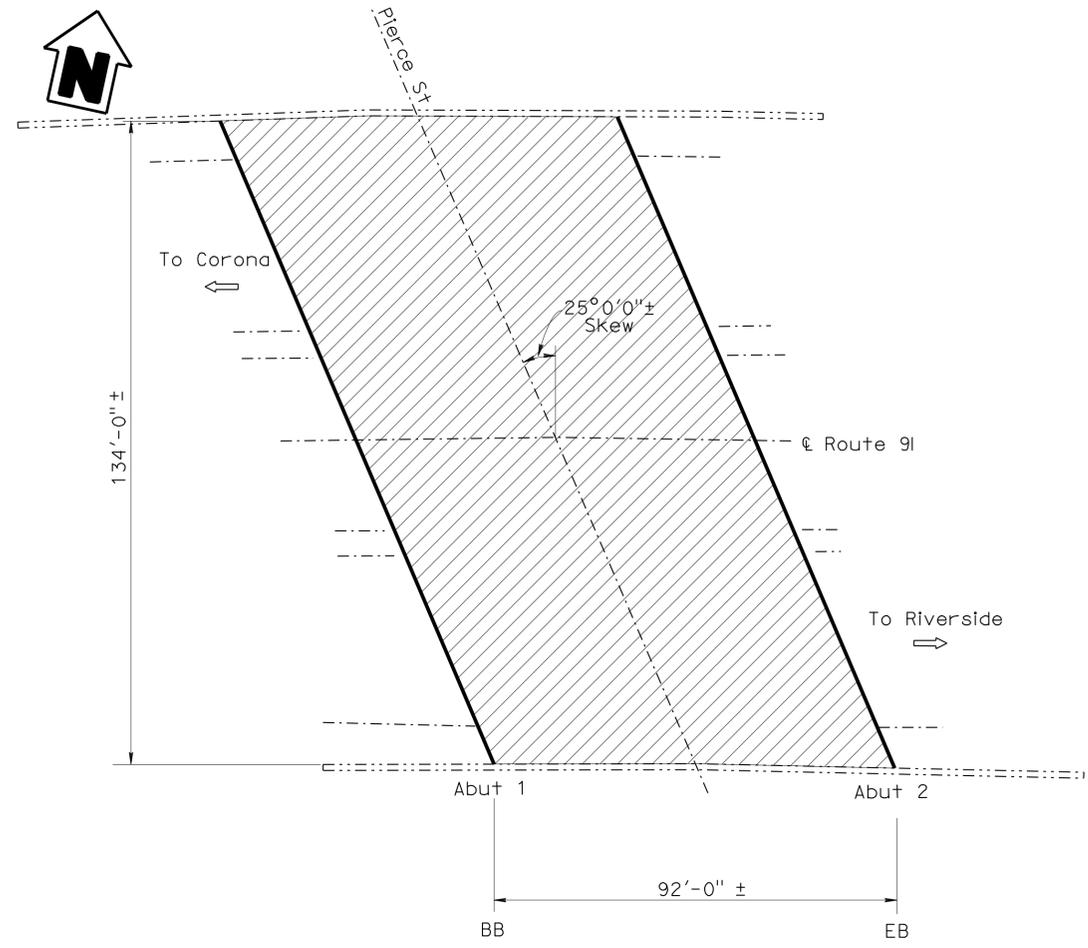
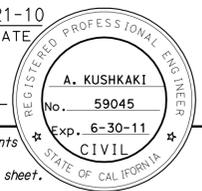
- INDICATES EXISTING STRUCTURE
- [Hatched Box] INDICATES LIMITS OF REMOVE UNSOUND CONCRETE AND REPLACE WITH RAPID SETTING CONCRETE, CLEAN AND TREAT DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
- INDICATES LOCATION OF REMOVE EXISTING JOINT SEAL AND PLACE NEW JOINT SEAL. FOR DETAILS SEE "JOINT SEAL TABLE" ON MISCELLANEOUS DETAILS SHEET.
- INDICATES BRIDGE LOCATION, SEE TITLE SHEET.

REPLACE JOINT SEAL & TREAT BRIDGE DECK
Br. Nos. 56-0673G & 56-0365
GENERAL PLAN 6

<i>Kenneth R. Brown</i> DESIGN ENGINEER 10-21-10	DESIGN	BY A. Kushkaki	CHECKED L. Ellis	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.	Var	
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu			CHECKED A. Kushkaki	POST MILE	Var
	QUANTITIES	BY A. Kushkaki	CHECKED L. Ellis	SPECIFICATIONS	BY J. Holman			PLANS AND SPECS COMPARED		

USERNAME => hrmguys DATE PLOTTED => 22-FEB-2011 TIME PLOTTED => 09:46

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	91	1.1/15.1	18	20
<i>A. Kushkaki</i> REGISTERED CIVIL ENGINEER			10-21-10	DATE	
2-22-11 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.					



9 PIERCE STREET UNDERCROSSING
 Br. No. 56-0369, Rte 91, PM 10.81
 NO SCALE

9 PIERCE STREET UNDERCROSSING BRIDGE No. 56-0369

QUANTITIES

REMOVE UNSOUND CONCRETE	41	CF
CLEAN BRIDGE DECK	12,328	SQFT
CLEAN EXPANSION JOINT	296	LF
RAPID SETTING CONCRETE (PATCH)	40	CF
BONDED JOINT SEAL (MR 1 1/2")	296	LF
TREAT BRIDGE DECK	12,328	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	300	GAL

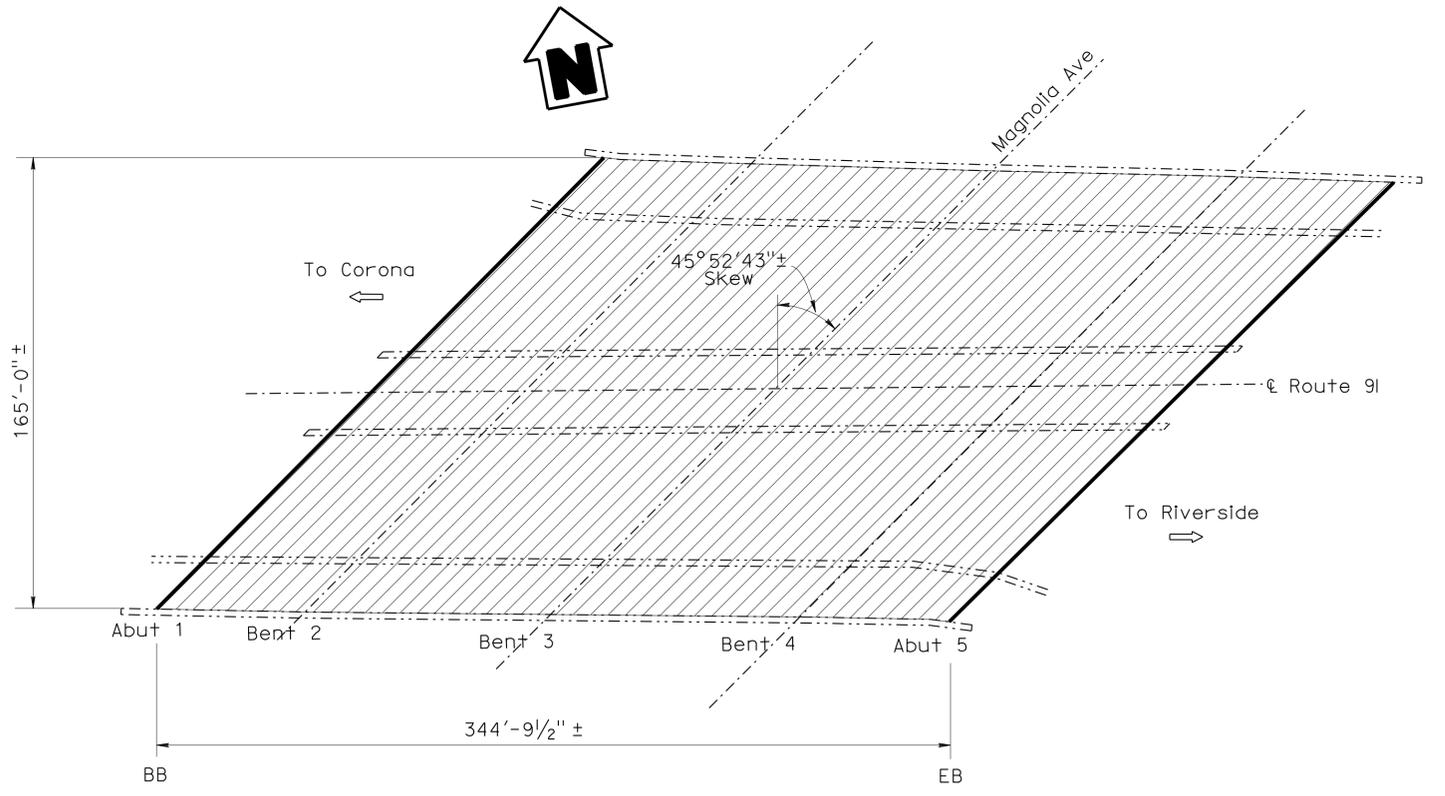
LEGEND:

- INDICATES EXISTING STRUCTURE
- INDICATES LIMITS OF REMOVE UNSOUND CONCRETE AND REPLACE WITH RAPID SETTING CONCRETE, CLEAN AND TREAT DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
- INDICATES LOCATION OF REMOVE EXISTING JOINT SEAL AND PLACE NEW JOINT SEAL. FOR DETAILS SEE "JOINT SEAL TABLE" ON MISCELLANEOUS DETAILS SHEET.
- INDICATES BRIDGE LOCATION, SEE TITLE SHEET.

10 MAGNOLIA Ave BRIDGE No. 56-0426

QUANTITIES

REMOVE UNSOUND CONCRETE	190	CF
CLEAN BRIDGE DECK	56,925	SQFT
CLEAN EXPANSION JOINT	476	LF
RAPID SETTING CONCRETE (PATCH)	190	CF
BONDED JOINT SEAL (MR 1 1/2")	476	LF
TREAT BRIDGE DECK	56,925	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	640	GAL



10 MAGNOLIA AVENUE UC
 Br. No. 56-0426, Rte 91, PM 11.1
 NO SCALE

REPLACE JOINT SEAL & TREAT BRIDGE DECK
 Br. Nos. 56-0369 & 56-0426
 GENERAL PLAN 7

 DESIGN ENGINEER 10-21-10	DESIGN	BY A. Kushkaki	CHECKED L. Ellis	LOAD FACTOR DESIGN	LIVE LOADING: AND HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu
	QUANTITIES	BY A. Kushkaki	CHECKED L. Ellis	SPECIFICATIONS	BY J. Holman

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO. Var
 POST MILE Var

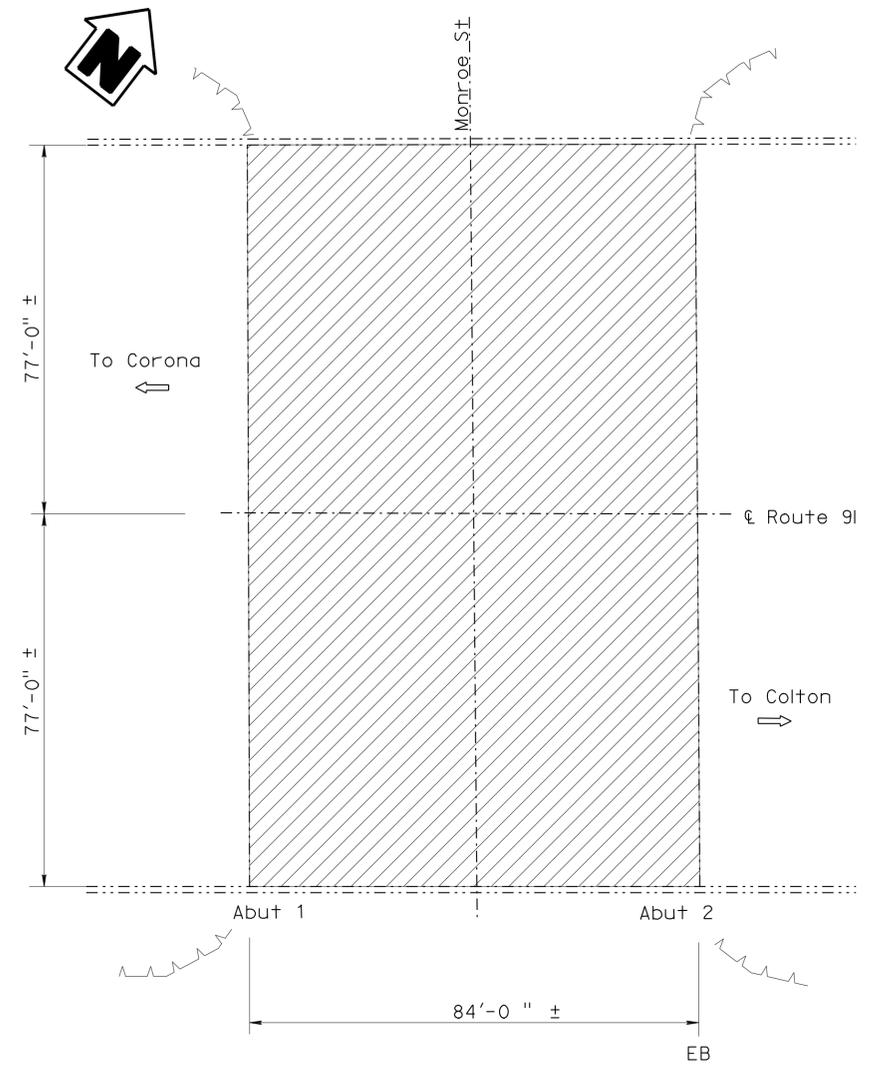
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	91	1.1/15.1	19	20

A. Kushkaki 10-21-10
REGISTERED CIVIL ENGINEER DATE

2-22-11
PLANS APPROVAL DATE

A. KUSHKAKI
No. 59045
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.



12 MONROE STREET UNDERCROSSING
Br. No. 56-0391, Rte 91, PM 15.1
NO SCALE

12 MONROE STREET UNDERCROSSING BRIDGE No. 56-0391

QUANTITIES

REMOVE UNSOUND CONCRETE	43	CF
CLEAN BRIDGE DECK	12,936	SQFT
RAPID SETTING CONCRETE (PATCH)	43	CF
TREAT BRIDGE DECK	12,936	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	150	GAL

11 TYLER STREET UNDERCROSSING BRIDGE No. 56-0419

QUANTITIES

REMOVE UNSOUND CONCRETE	31	CF
CLEAN BRIDGE DECK	9,184	SQFT
CLEAN EXPANSION JOINT	224	LF
RAPID SETTING CONCRETE (PATCH)	31	CF
JOINT SEAL (MR 1")	224	LF
TREAT BRIDGE DECK	9,184	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	110	GAL

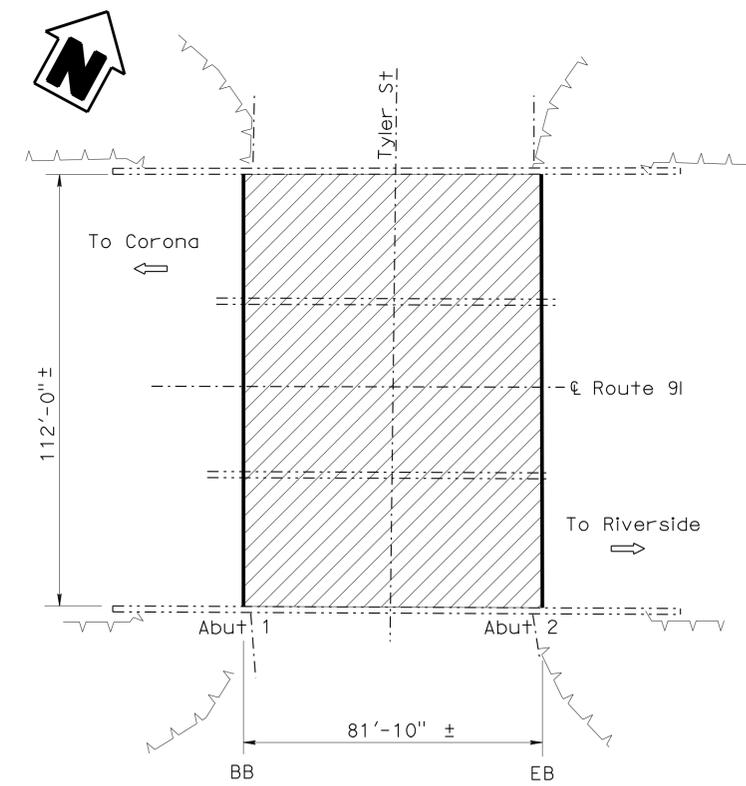
LEGEND:

----- INDICATES EXISTING STRUCTURE

INDICATES LIMITS OF REMOVE UNSOUND CONCRETE AND REPLACE WITH RAPID SETTING CONCRETE, CLEAN AND TREAT DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.

INDICATES LOCATION OF REMOVE EXISTING JOINT SEAL AND PLACE NEW JOINT SEAL. FOR DETAILS SEE "JOINT SEAL TABLE" ON MISCELLANEOUS DETAILS SHEET.

INDICATES BRIDGE LOCATION, SEE TITLE SHEET.



11 TYLER STREET UNDERCROSSING
Br. No. 56-0419, Rte 91, PM 13.04
NO SCALE

Kenneth R. Brown
DESIGN ENGINEER 10-21-10

DESIGN	BY A. Kushkaki	CHECKED L. Ellis	LOAD FACTOR DESIGN	LIVE LOADING: AND HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu
QUANTITIES	BY A. Kushkaki	CHECKED L. Ellis	SPECIFICATIONS	BY J. Holman

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.	Var
POST MILE	Var

REPLACE JOINT SEAL & TREAT BRIDGE DECK
Br. Nos. 56-0419 & 56-0391
GENERAL PLAN 8

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	91	1.1/15.1	20	20

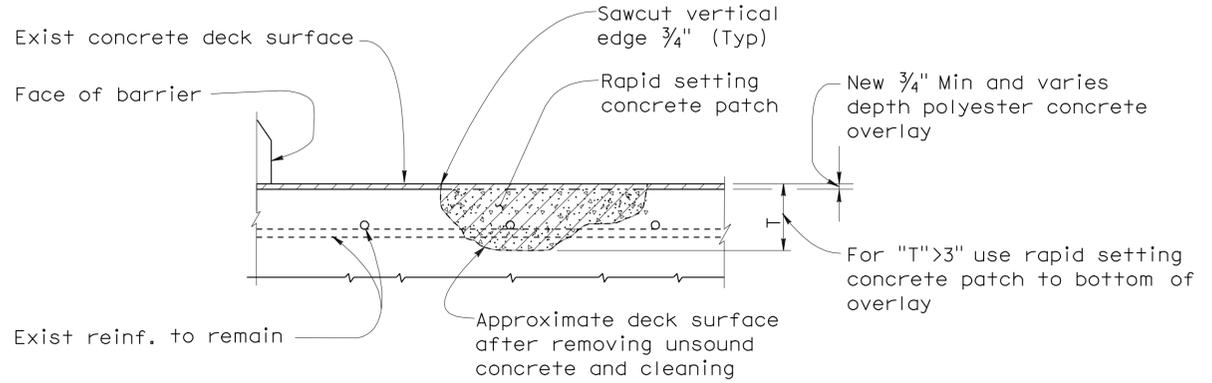
10-21-10
 REGISTERED CIVIL ENGINEER DATE
 2-22-11
 PLANS APPROVAL DATE

A. KUSHKAKI
 No. 59045
 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.

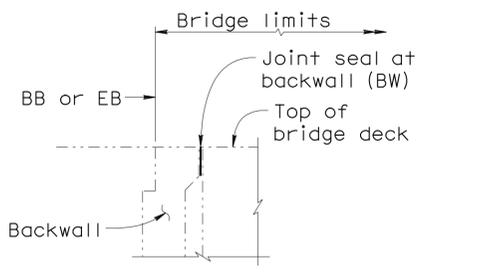
JOINT SEAL TABLE						
INDEX	BRIDGE NUMBER	JOINT LOCATION	MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	APPROXIMATE DEPTH TO CLEAN Exp JOINT (INCHES)
②	56-0635	Abut 1	1.5 *	247	no	10
		Abut 2	1.5 *	247	no	10
④	56-0637	Abut 1	2 *	360	no	10
		Abut 4	2 *	360	no	10
⑤	56-0638	Abut 1	1	140	no	10
		Abut 2	1	140	no	10
⑥	56-0363	Abut 1	0.5	134	no	10
		Abut 2	0.5	134	no	10
⑧	56-0365	Abut 1	1	167	no	10
		Abut 2	1	167	no	10
⑨	56-0369	Abut 1	1.5 *	148	no	10
		Abut 2	1.5 *	148	no	10
⑩	56-0426	Abut 1	1.5 *	238	no	10
		Abut 6	1.5 *	238	no	10
⑪	56-0419	Abut 1	1	112	no	10
		Abut 2	1	112	no	10

* BONDED JOINT SEAL

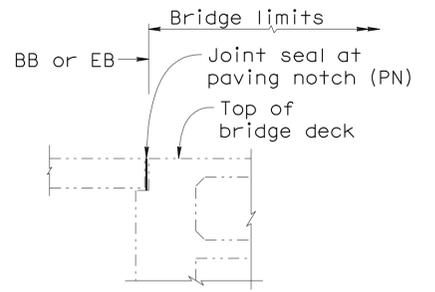


DECK OVERLAY DETAIL

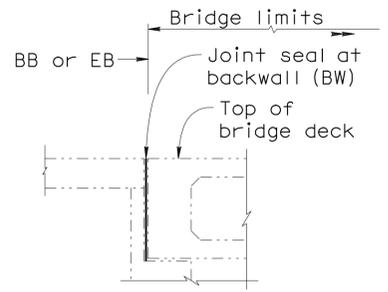
Reinforcement may be encountered during deck concrete removal



ABUTMENT WITH BACKWALL



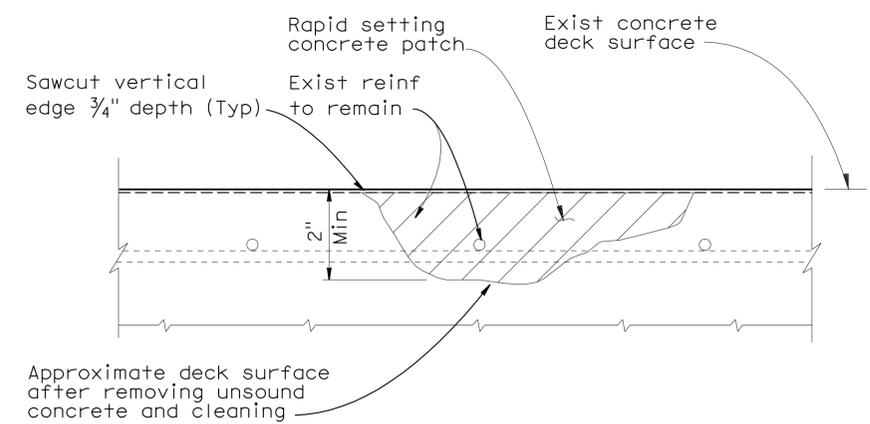
END DIAPHRAGM ABUTMENT



SEAT TYPE ABUTMENT

JOINT SEAL LOCATION

NO SCALE



DECK DAMAGE REPAIR DETAIL

Location will be determined by the Engineer. Reinforcement may be encountered during deck concrete removal.

DESIGN	BY	A. Kushkaki	CHECKED	L. Ellis	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	Var	REPLACE JOINT SEAL & TREAT BRIDGE DECK MISCELLANEOUS DETAILS	
	DETAILS	BY	M. Yu	CHECKED			A. Kushkaki	POST MILE		Var
	QUANTITIES	BY	A. Kushkaki	CHECKED			L. Ellis	REVISION DATES		

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 10/25/05) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 CU 08608 EA 0M6501 FILE => 08-0M6501jsf01.dgn

6-21-10	7-22-10	9-03-10	10-11-10	10-17-10					
---------	---------	---------	----------	----------	--	--	--	--	--

SHEET 9 OF 9