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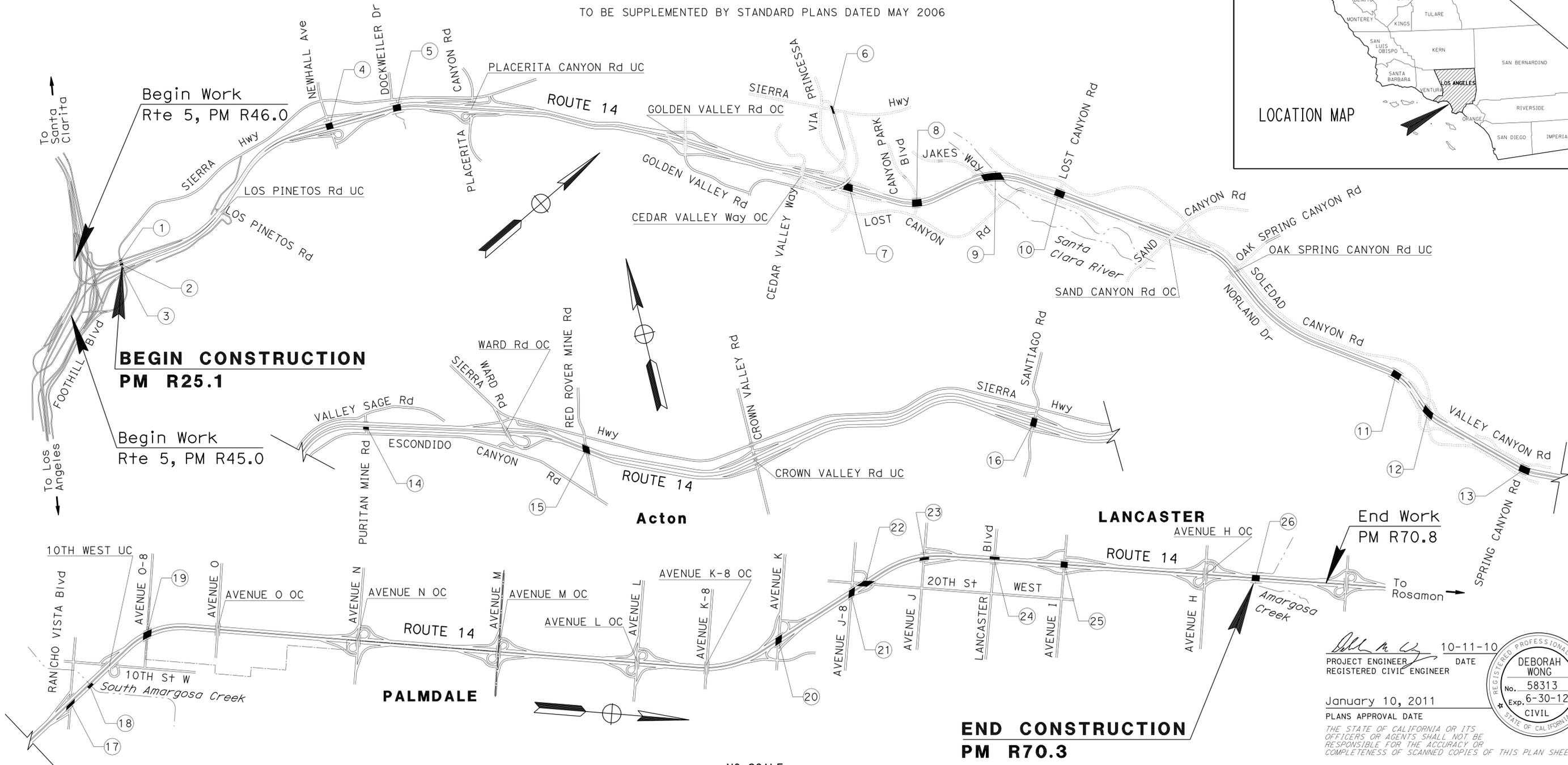
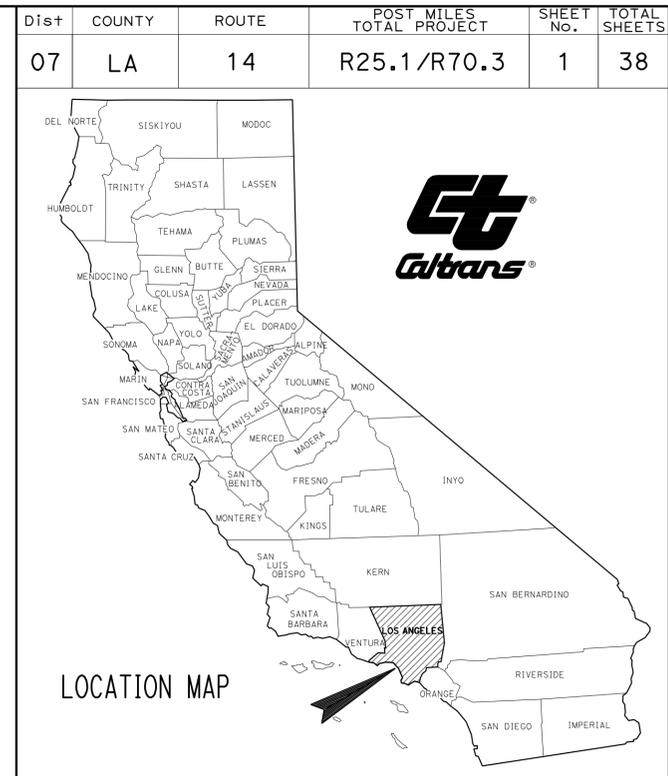
STRUCTURES

20-38 ROUTE 14 BRIDGES

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN LOS ANGELES COUNTY AT VARIOUS LOCATIONS
FROM SIERRA HIGHWAY UNDERCROSSING TO
AMARGOSA CREEK**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



**BEGIN CONSTRUCTION
PM R25.1**

**END CONSTRUCTION
PM R70.3**

**End Work
PM R70.8**

NOTE: SEE SHEET LC-1 FOR LOCATIONS OF CONSTRUCTION

NO SCALE

PROJECT MANAGER
CHRISTIAN SAM

DESIGN ENGINEER
DEBORAH WONG

10-11-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

January 10, 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.	07-3Y6704
PROJECT ID	0700020206

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR
 MONIR IBRAHIM

CALCULATED/DESIGNED BY
 CHECKED BY

H. NGUYEN
 D. WONG

REVISOR BY
 DATE REVISED

NOTE:

FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	14	R25.1/R70.3	2	38

10-11-10
 REGISTERED CIVIL ENGINEER DATE

01-10-11
 PLANS APPROVAL DATE

DEBORAH WONG
 No. 58313
 Exp. 6-30-12
 CIVIL

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LOCATIONS OF CONSTRUCTION			
Loc	PM	BRIDGE No.	BRIDGE NAME
①	R25.13	53-1936F	SIERRA HIGHWAY UC
②	R25.13	53-1936L	SIERRA HIGHWAY UC
③	R25.13	53-1936R	SIERRA HIGHWAY UC
④	R27.03	53-2070	NEWHALL AVENUE UC
⑤	R27.55	53-2146	LA AQUEDUCT UC
⑥	R30.66	53-2180K	SIERRA HIGHWAY UC
⑦	R30.91	53-2201K	VIA PRINCESSA UC
⑧	R31.40	53-2467	CANYON PARK Blvd
⑨	R31.88	53-2027	SANTA CLARA RIVER
⑩	32.53	53-1621	LOST CANYON ROAD UC
⑪	35.34	53-1547	TICK CANYON WASH
⑫	35.71	53-1549	SOLEDAD CANYON ROAD UC
⑬	36.54	53-1540	SPRING CANYON ROAD UC
⑭	45.73	53-1545R	PURITAN MINE ROAD UC
⑮	R47.34	53-0147L/R	RED ROVER MINE ROAD UC
⑯	R50.75	53-0871L/R	SANTIAGO ROAD UC
⑰	R61.37	53-2376R	RANCHO VISTA Blvd UC
⑱	R61.53	53-2377R	SOUTH AMARGOSA CREEK
⑲	R62.12	53-2379L/R	AVENUE "O-8" UC
⑳	R66.73	53-2381L/R	AVENUE "K" UC
㉑	R67.37	53-2382L/R	AVENUE "J-8" UC
㉒	R67.48	53-2383L/R	20TH STREET WEST UC
㉓	R67.95	53-2384R	AVENUE "J" UC
㉔	R68.46	53-2385L	LANCASTER Blvd UC
㉕	R68.96	53-2386L/R	AVENUE "I" UC
㉖	R70.27	53-2028L/R	AMARGOSA CREEK

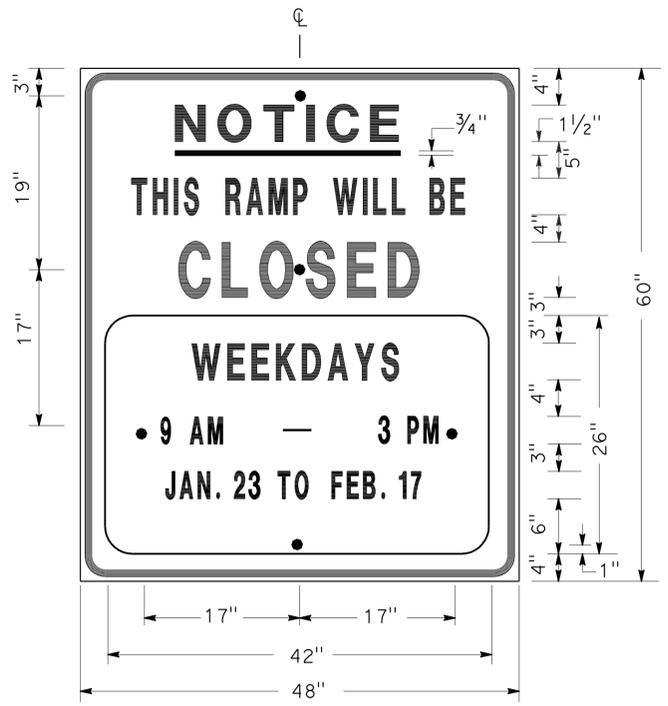
LOCATIONS OF CONSTRUCTION
LC-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	14	R25.1/R70.3	4	38

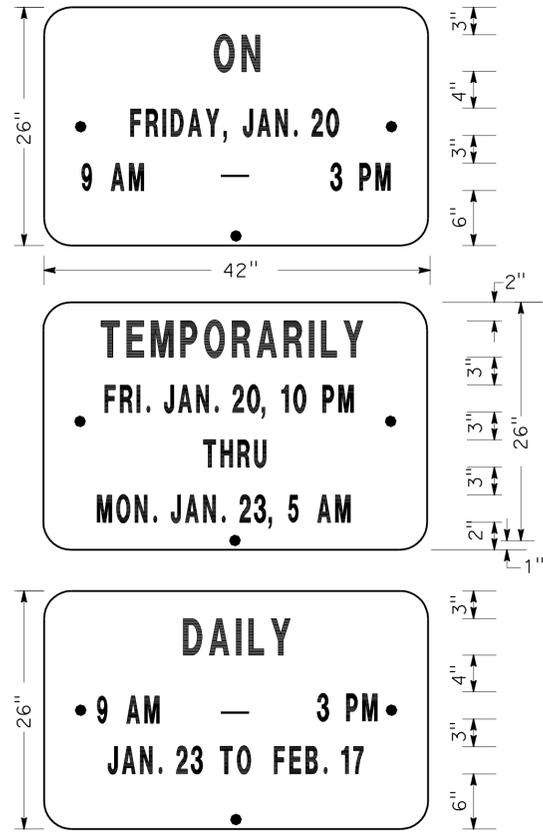
REGISTERED CIVIL ENGINEER DATE 09-14-10
 01-10-11
 PLANS APPROVAL DATE

Martin Oregel
 No. C56816
 Exp. 6-30-11
 CIVIL

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SIGN SP-1



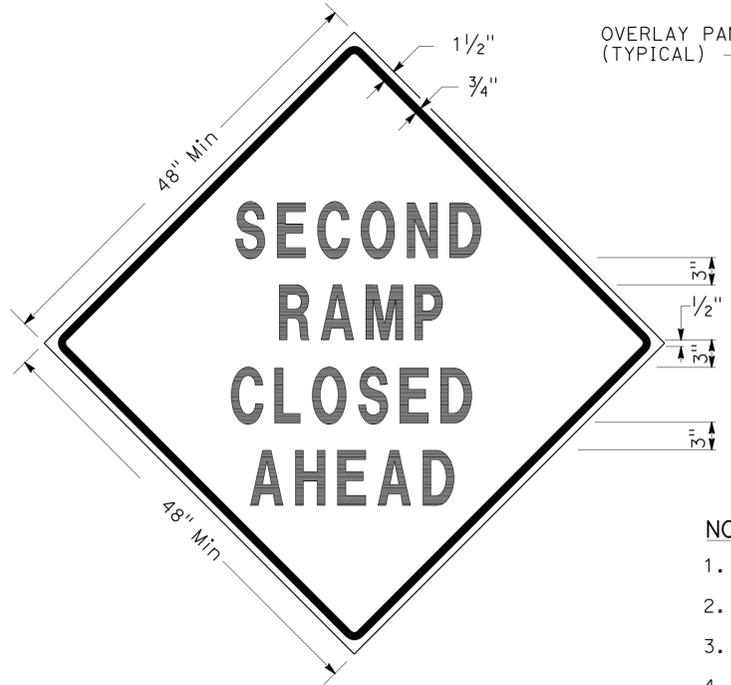
ALTERNATE OVERLAY PANELS (TYPICAL)

- NOTES: (SIGN SP-1)
- SIGNS SHALL HAVE ORANGE RETROREFLECTORIZED BACKGROUND WITH BLACK BORDER AND LETTERS.
 - BOLT HOLES SHALL BE 3/8" DIAMETER.
 - BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
 - SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6' ABOVE GROUND.

SIZE	BORDER	MARGIN	LETTER SIZE					CORNER RADIUS
	WIDTH	WIDTH	LINE 1	LINE 2*	LINE 3	LINE 4	LINE 5,6 & 7*	
48"x60"	1 1/4"	3/4"	4E	4D	6E	4D		3"
42"x26"	OVERLAY						3D	1 1/2"

* CONDENSED SPACING IF NECESSARY

SPECIAL ADVANCE NOTICE PUBLICITY SIGN



SIGN SP-3



SIGN SP-5

- NOTES: (SIGNS SP-3 & SP-5)
- LETTERS - 6" SERIES D.
 - LETTERS AND BORDERS - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
 - BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
 - SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6' ABOVE GROUND.

SPECIAL SIGN FOR EXIT RAMP CLOSURES



SIGN SP-4

- NOTES: (SIGN SP-4)
- LETTERS - 6" SERIES C.
 - LETTERS AND BORDERS - BLACK ON RETROREFLECTORIZED WHITE BACKGROUND.
 - BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
 - SIGNS SHALL BE PLACED AT RAMP ENTRANCES IN ADDITION TO SIGNS POSTED IN ACCORDANCE WITH STANDARD PLAN T14.

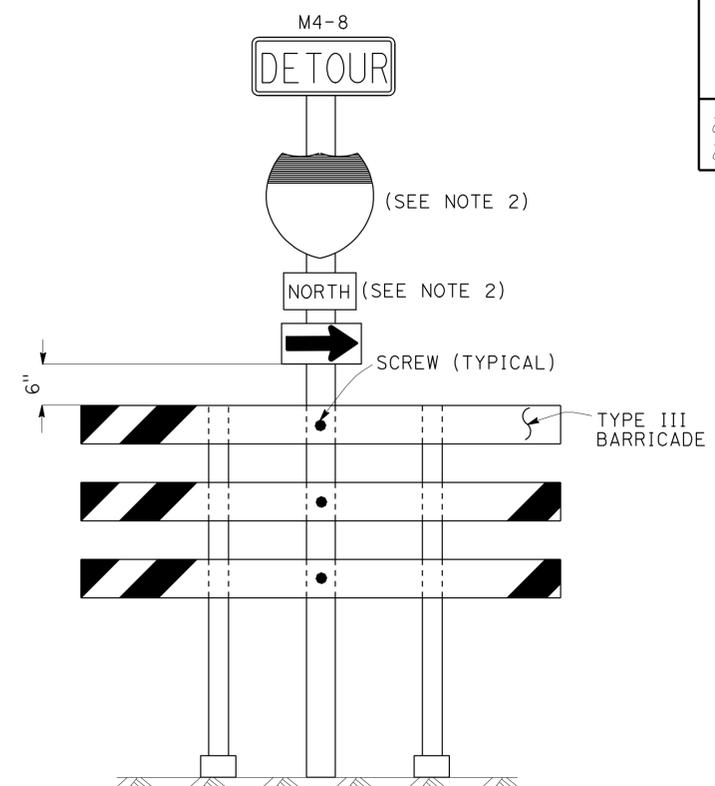
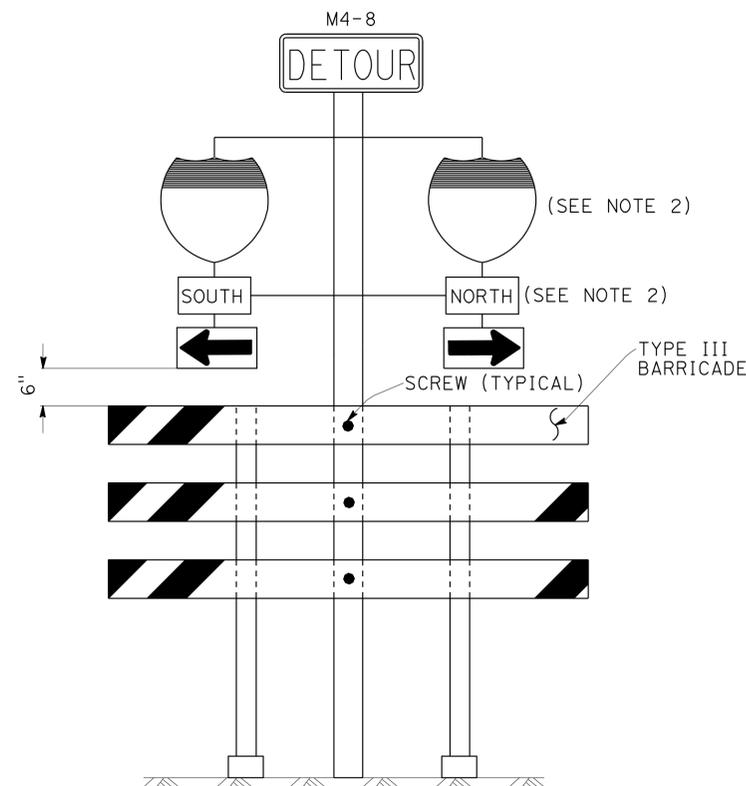
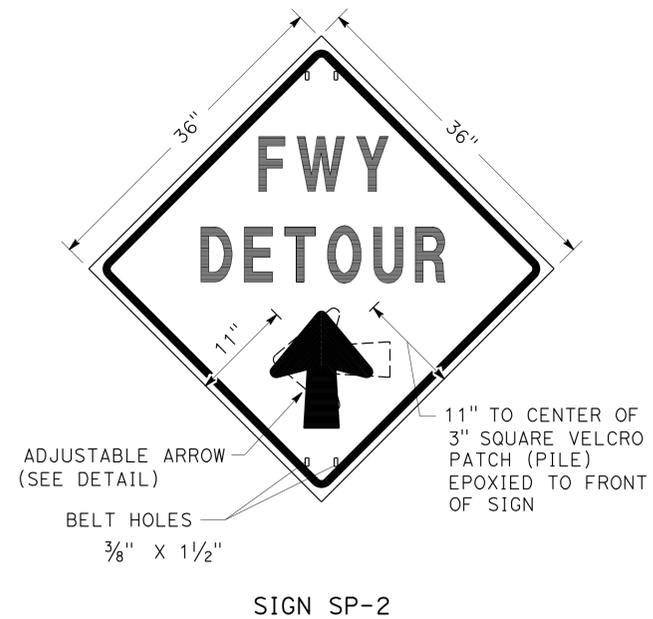
SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

**TRAFFIC HANDLING DETAILS
 TRAFFIC CONTROL SYSTEM
 FOR RAMP CLOSURES, DETOUR SIGNS
 AND MISCELLANEOUS DETAILS**

SHEET 1 OF 2

NO SCALE

THD-1



NOTES: (SIGN SP-2)

1. LETTERS -6" SERIES E.
2. LETTERS, BORDER AND ARROW - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
3. BASE MATERIAL FOR SIGNS AND ARROWS SHALL BE ALUMINUM (MINIMUM 0.06").
4. BELTS (LUGGAGE STRAPS) SHALL BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
5. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 6' ABOVE GROUND EXCEPT AS OTHERWISE SHOWN ON OTHER TRAFFIC HANDLING DETAILS PLANS.

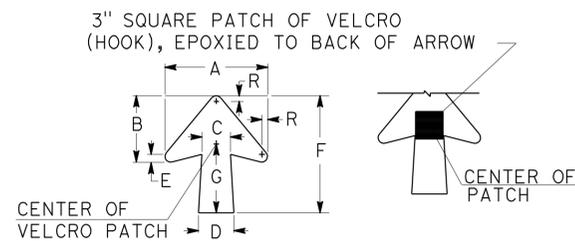
ABBREVIATION

(CA) CALIFORNIA CODE

NOTES: (SIGNS SP-6 & SP-7)

1. IN LIEU OF PLACING SIGNS ON TYPE III BARRICADES, SIGNS, INCLUDING POSTS, MAY BE PLACED INTO THE GROUND OR FASTENED ONTO ELECTROLIERS.
2. USE APPROPRIATE ROUTE SHIELD [G26-2(CA), G27-2(CA), G28-2(CA)] AND CARDINAL DIRECTION [NORTH (M3-1), SOUTH (M3-3), EAST (M3-2), WEST (M3-4)]

SPECIAL PORTABLE FREEWAY DETOUR SIGNS



DIMENSIONS							
A	B	C	D	E	F	G	R
11 1/4"	7 1/4"	3 1/8"	4"	7/8"	13"	7 1/2"	5/8"

SPECIAL PORTABLE FREEWAY DETOUR SIGN

ADJUSTABLE ARROW DETAIL

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR RAMP CLOSURES, DETOUR SIGNS
AND MISCELLANEOUS DETAILS**

SHEET 2 OF 2
NO SCALE

THD-2

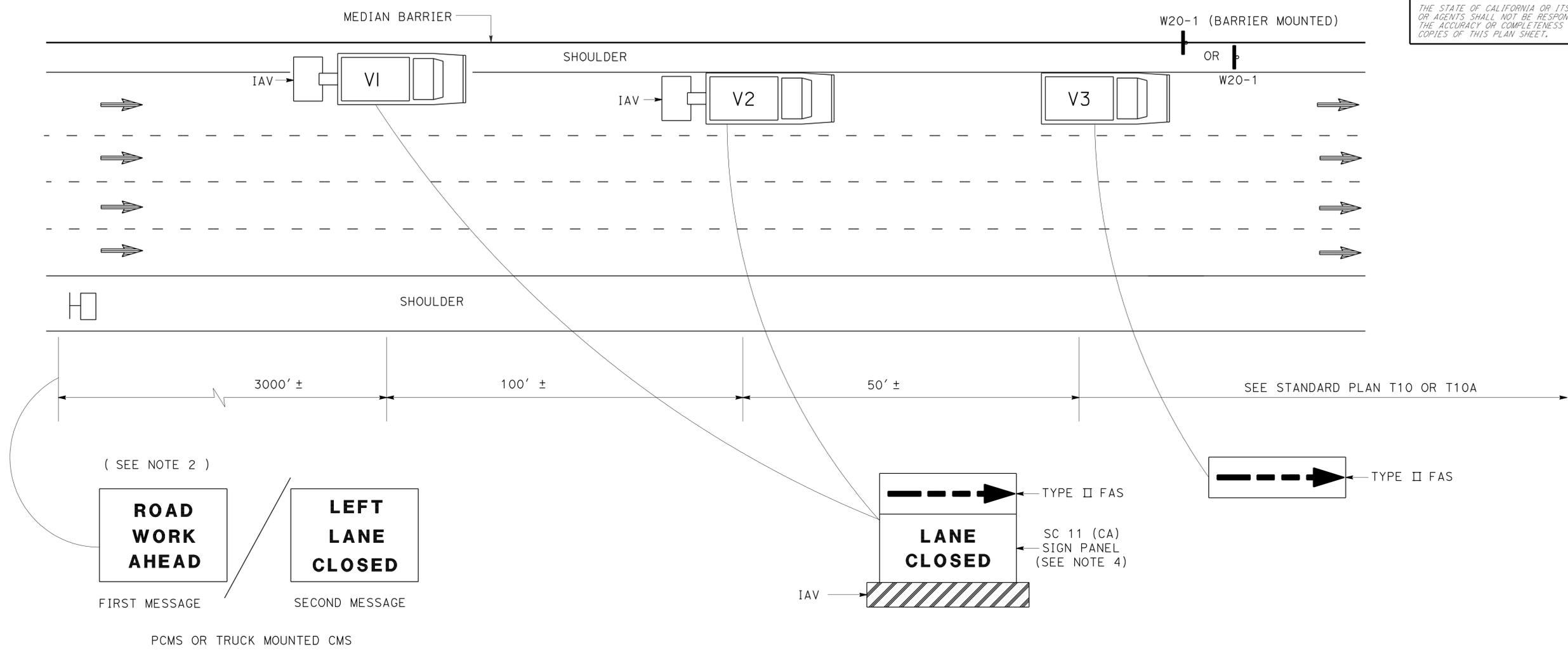
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM

ALBERT K YU
JOCELYN C CHIANG

JOHN YANG

REVISOR BY JC
DATE REVISED 7/10

CALCULATED/DESIGNED BY
CHECKED BY



NOTES:

1. LANE CLOSURES SHALL NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
2. PCMS SHALL BE ACTIVATED PRIOR TO TRAFFIC CONTROL ACTIVITIES ON THE LANE.
3. A MINIMUM SIGHT DISTANCE OF 1500' SHALL BE PROVIDED IN ADVANCE OF PCMS.
4. VEHICLE-MOUNTED SIGN PANELS SHALL BE TYPE III OR IV RETROREFLECTORIZED SHEETING, BLACK ON WHITE OR BLACK ON ORANGE WITH 8" MINIMUM SERIES D LETTERS PER CALTRANS SIGN SPECIFICATIONS.

LEGEND

- V1, V2 SHADOW VEHICLE
- V3 WORK/APPLICATION VEHICLE
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- DIRECTION OF TRAVEL
- ▬ CONSTRUCTION AREA SIGN

ABBREVIATIONS

- FAS FLASHING ARROW SIGN
- IAV IMPACT ATTENUATOR VEHICLE
- CMS CHANGEABLE MESSAGE SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- (CA) CALIFORNIA CODE

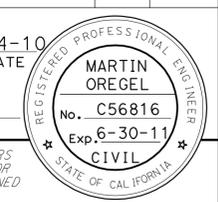
TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR MEDIAN SHOULDERS LESS THAN 8 FEET
 NO SCALE

THD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Caltrans®
 DTM
 FUNCTIONAL SUPERVISOR JOHN YANG
 CHECKED BY JOCELYN C CHIANG
 REVISIONS BY ALBERT K YU
 DATE REVISED 7/10
 DESIGNED BY JC
 CHECKED BY JOCELYN C CHIANG
 DATE REVISED 7/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	14	R25.1/R70.3	7	38

09-14-10
 REGISTERED CIVIL ENGINEER DATE
 01-10-11
 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.



NOTES:

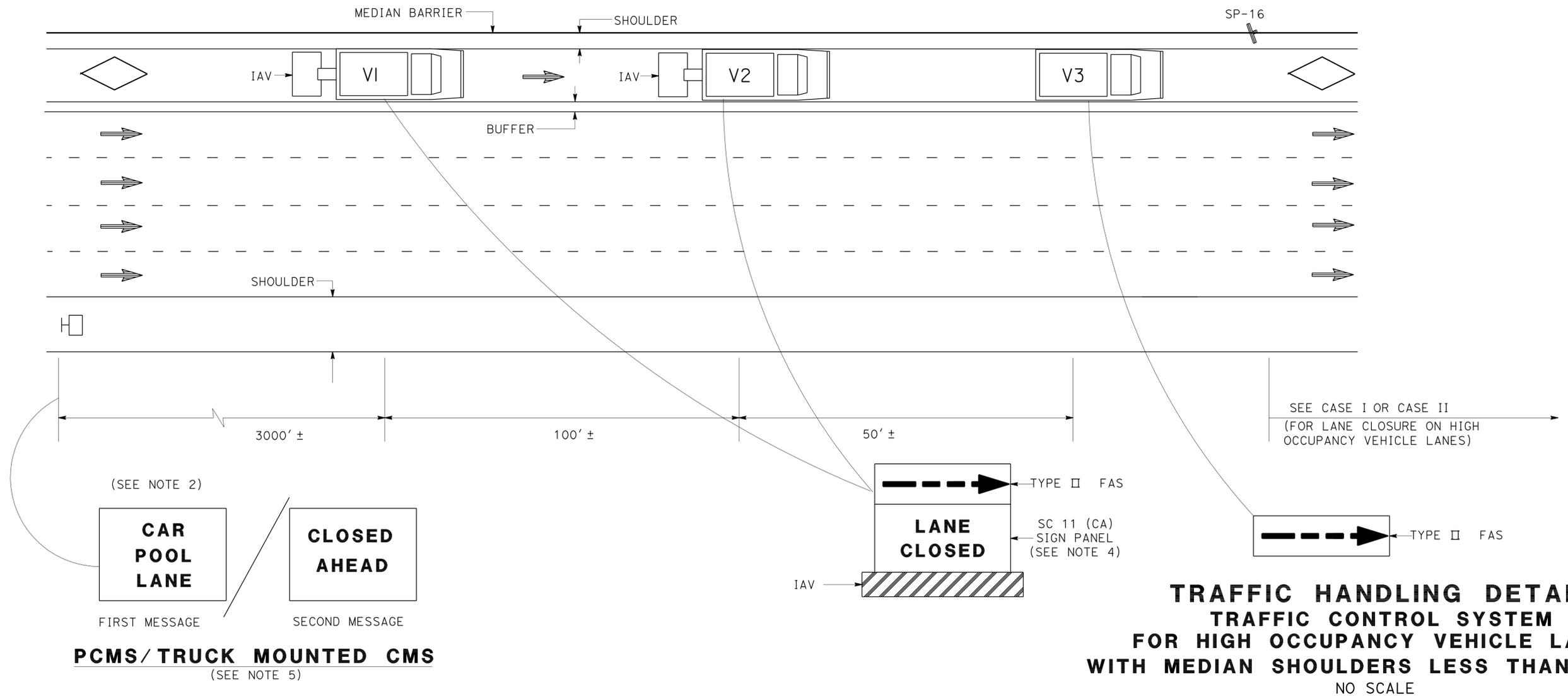
- LANE CLOSURES SHALL NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
- PCMS SHALL BE ACTIVATED PRIOR TO TRAFFIC CONTROL ACTIVITIES ON THE HOV LANE.
- A MINIMUM SIGHT DISTANCE OF 1500' SHALL BE PROVIDED IN ADVANCE OF PCMS.
- VEHICLE-MOUNTED SIGN PANELS SHALL BE TYPE III OR IV RETROREFLECTORIZED SHEETING, BLACK ON WHITE OR BLACK ON ORANGE WITH 8" MINIMUM SERIES D LETTERS PER CALTRANS SIGN SPECIFICATIONS.
- PLACE PCMS ON THE MEDIAN SHOULDER WHERE SUFFICIENT ROOM (SUCH AS CHP ENFORCEMENT AREAS) EXISTS.

LEGEND

- V1, V2 SHADOW VEHICLE
- V3 WORK/APPLICATION VEHICLE
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- DIRECTION OF TRAVEL
- HOV LANE

ABBREVIATIONS

- FAS FLASHING ARROW SIGN
- IAV IMPACT ATTENUATOR VEHICLE
- CMS CHANGEABLE MESSAGE SIGN
- (CA) CALIFORNIA CODE
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- HOV HIGH OCCUPANCY VEHICLE



**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR HIGH OCCUPANCY VEHICLE LANES
WITH MEDIAN SHOULDERS LESS THAN 8 FEET
NO SCALE**

THD-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DTM

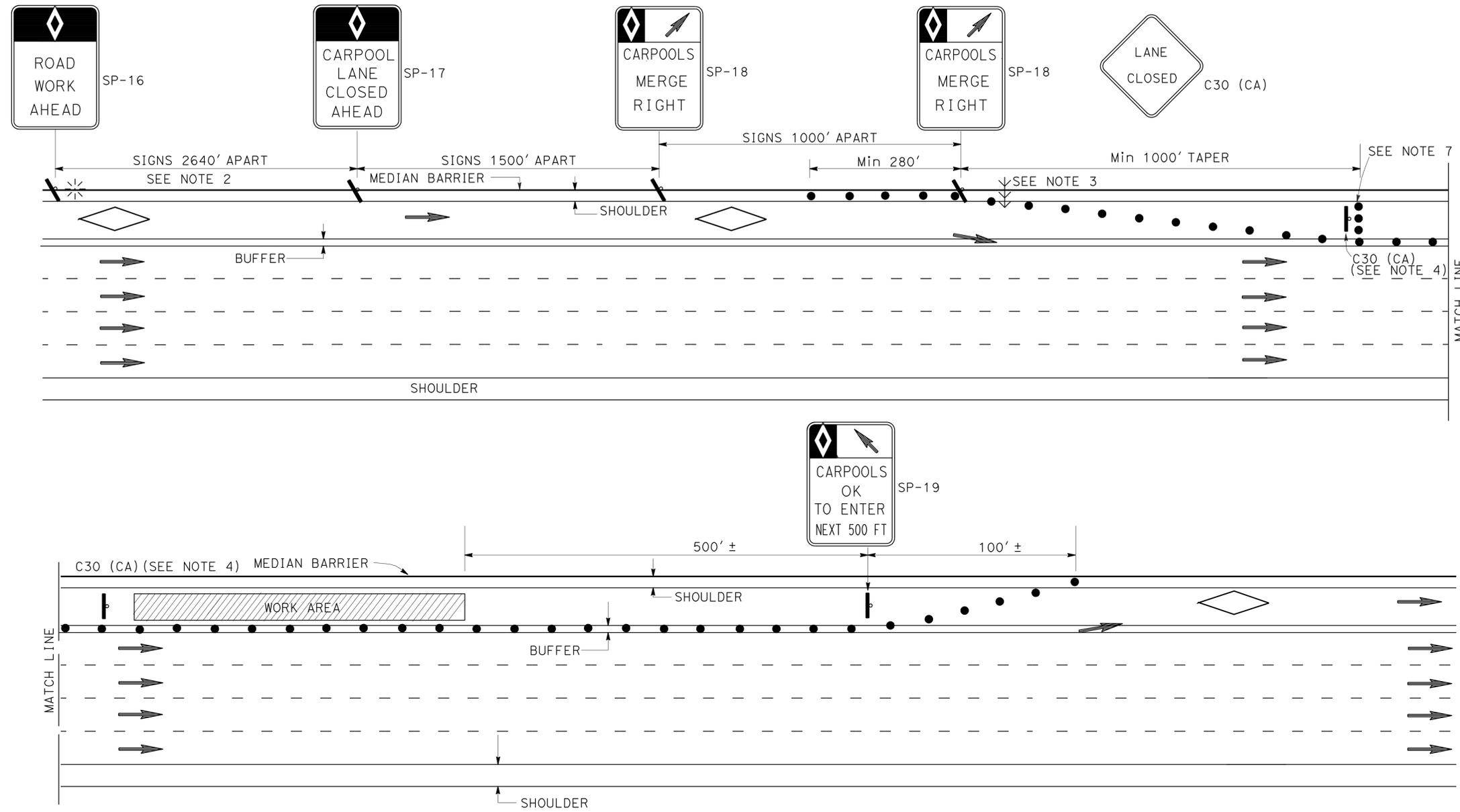
ALBERT K YU
JOCELYN C CHIANG

JOHN YANG

7/10

Caltrans

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	14	R25.1/R70.3	8	38
<i>Martin Oregel</i> 09-14-10 REGISTERED CIVIL ENGINEER DATE					
01-10-11 PLANS APPROVAL DATE					
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ABBREVIATIONS

(CA) CALIFORNIA CODE
 HOV HIGH OCCUPANCY VEHICLE

NOTES: FOR CASE I AND CASE II

- AT LEAST ONE PERSON SHALL BE ASSIGNED TO FULL TIME MAINTENANCE OF TRAFFIC CONTROL DEVICES ON NIGHT LANE CLOSURES OR DAY-TIME CLOSURES EXCEEDING 1 MILE LENGTH, INCLUDING TAPERS.
- ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES. TYPE B HIGH INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON SP-16 SIGNS DURING NIGHT LANE CLOSURES. FLAGS AND WARNING LIGHTS SHALL BE ATTACHED TO SIGNS AS APPROVED BY THE ENGINEER.
- THE FLASHING ARROW SIGN SHALL BE TYPE I.
- PLACE C30 (CA) SIGNS EVERY 2000' THROUGHOUT THE LENGTH OF LANE CLOSURE.
- A MINIMUM 1500' OF SIGHT DISTANCE SHALL BE PROVIDED WHERE POSSIBLE FOR VEHICLES APPROACHING THE FLASHING ARROW SIGN. LANE CLOSURES SHALL NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
- PORTABLE DELINEATORS PLACED AT ONE-HALF THE SPACING INDICATED FOR TRAFFIC CONES MAY BE USED INSTEAD OF CONES FOR DAYTIME CLOSURES.
- A MINIMUM OF 3 CONES SHALL BE PLACED TRANSVERSELY ACROSS CLOSED LANES WHERE TAPERS END AND EVERY 2000'. TWO TYPE II BARRICADES MAY BE USED INSTEAD OF 3 CONES. THE ALIGNMENT OF CONES OR BARRICADES MAY BE SHIFTED FROM THE TRANSVERSE ALIGNMENT TO PROVIDE ACCESS TO WORK.
- IF AN INGRESS/EGRESS AREA IS WITHIN 5250' UPSTREAM OR DOWNSTREAM OF THE WORK AREA, LANE CLOSURES SHALL BE EXTENDED TO THAT AREA AS SHOWN IN CASE II.
- SIGNS SP-16, 17, 18, AND 19 MAY BE OVERLAID ON EXISTING CARPOOL SIGNS IN MEDIANS AS APPROVED BY THE ENGINEER.
- SIGNS SP-16, 17, 18, AND C30 (CA) SHALL BE BLACK ON ORANGE BACKGROUND. SIGN SP-19 SHALL BE BLACK ON WHITE BACKGROUND. DIAMONDS ON SIGNS SHALL BE WHITE.
- FOR CLOSURE OF LANE(S) ADJACENT TO HOV LANES, SEE CASE II.
- THE MAXIMUM SPACING BETWEEN CONES SHALL BE APPROXIMATELY 50' IN TAPERS AND 100' ON TANGENTS.

LEGEND

- CONE
- ⚡ FLASHING BEACON
- ◇ HOV LANE
- ←←← FLASHING ARROW SIGN
- ⌄ PORTABLE SIGN
- DIRECTION OF TRAVEL

SIGN PANEL SIZE (MIN)

SP-16 36" X 54"
 SP-17 36" X 54"
 SP-18 36" X 48"
 SP-19 36" X 60"
 C30 (CA) 30" X 30"
 G20-2 48" X 24"

**TRAFFIC HANDLING DETAILS
 TRAFFIC CONTROL SYSTEM
 FOR HIGH OCCUPANCY VEHICLE LANES
 AT NON-INGRESS/EGRESS AREAS
 CASE I
 NO SCALE
 THD-5**

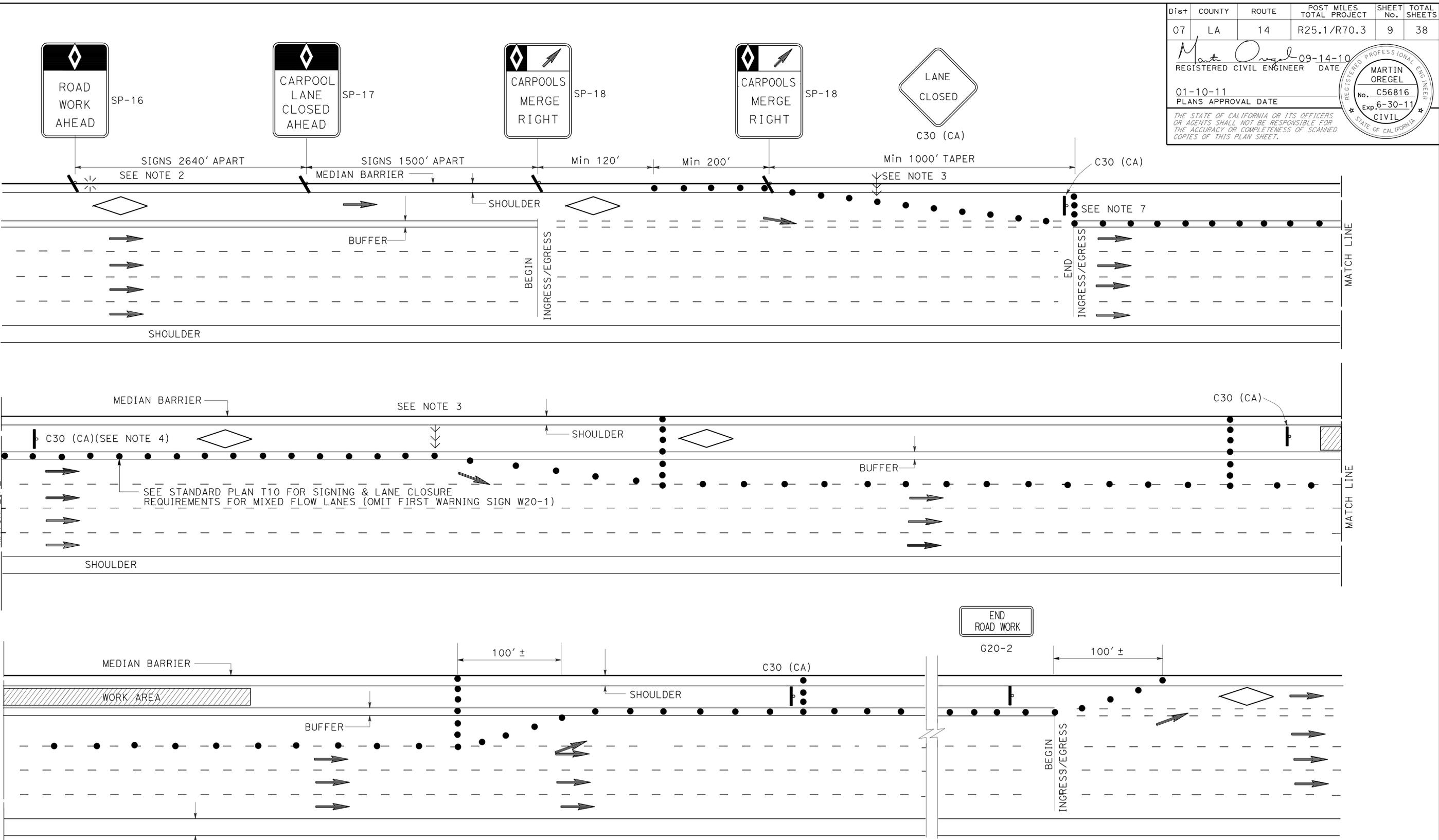
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 Et Caltrans

FUNCTIONAL SUPERVISOR: JOHN YANG
 CHECKED BY: JOCELYN C CHIANG
 REVISIONS: JC 7/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	14	R25.1/R70.3	9	38
<i>Martin Oregel</i> 09-14-10 REGISTERED CIVIL ENGINEER DATE			01-10-11 PLANS APPROVAL DATE		
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FUNCTIONAL SUPERVISOR: JOHN YANG
 CHECKED BY: JOCELYN C CHIANG
 DESIGNED BY: ALBERT K YU
 REVISIONS: JC 7/10

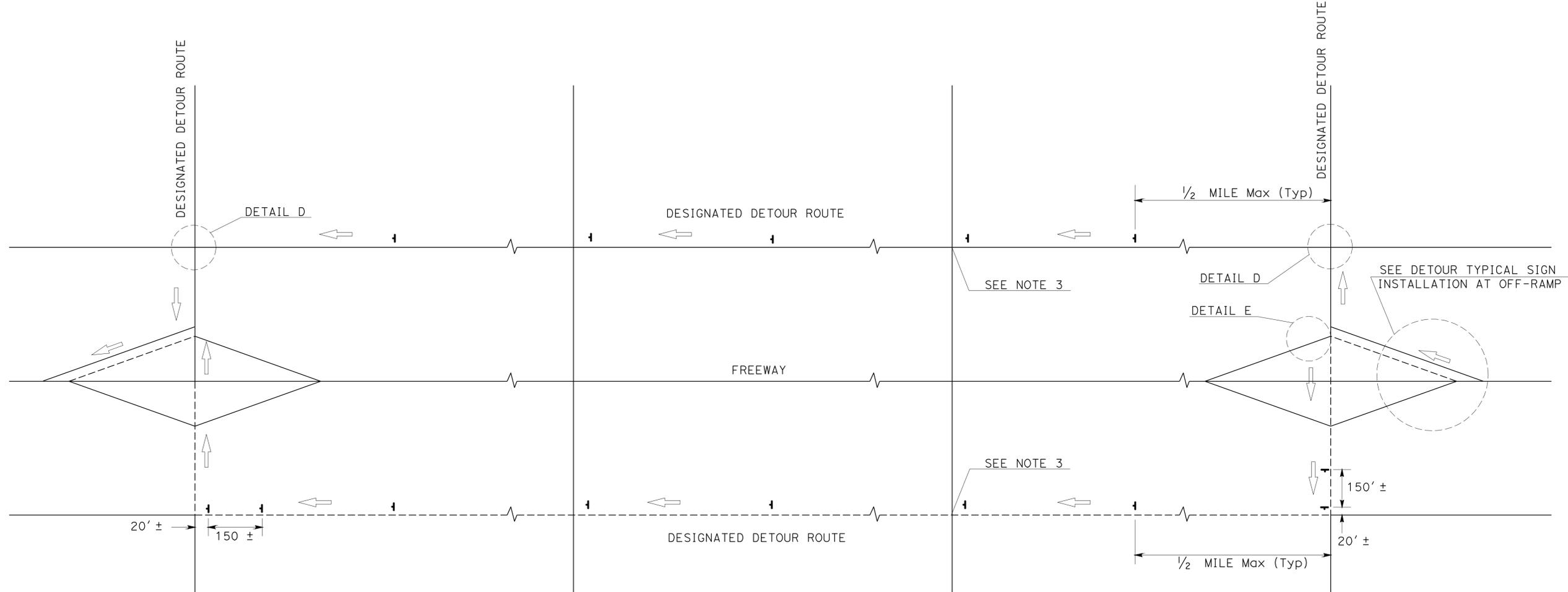


- NOTES:**
- SEE CASE I FOR NOTES, LEGENDS AND ABBREVIATIONS FOR THIS SHEET.
 - CLOSURES OF ONE MIXED FLOW TRAFFIC LANE ADJACENT TO HOV LANE SHOWN. MULTIPLE MIXED FLOW LANE CLOSURES ARE SIMILAR.

**TRAFFIC HANDLING DETAILS
 TRAFFIC CONTROL SYSTEM
 FOR HIGH OCCUPANCY
 VEHICLE LANES AND ADJACENT FREEWAY LANES
 BETWEEN INGRESS/EGRESS AREAS
 CASE II
 NO SCALE
 THD-6**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	14	R25.1/R70.3	10	38
<i>Martin Oregel</i> 09-14-10 REGISTERED CIVIL ENGINEER DATE					
01-10-11			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>					

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	ALBERT K YU	REVISOR	JC
<i>Caltrans</i>	JOCELYN C CHIANG	DATE	7/10
FUNCTIONAL SUPERVISOR	JOHN YANG	CHECKED BY	
		DESIGNED BY	



TYPICAL DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

- LEGEND**
- ┆ TEMPORARY SIGN (SP-2)
 - AND/OR — DESIGNATED DETOUR ROUTE
 - ➔ DIRECTION OF TRAVEL

- NOTES:**
1. SP-2 SIGNS SHALL NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
 2. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
 3. SP-2 SIGNS SHALL BE POSTED AT SIGNALIZED INTERSECTIONS ALONG THE DESIGNATED DETOUR ROUTE OR 1/2 MILE MAXIMUM APART.

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR DETOUR SIGN INSTALLATION
ALONG DESIGNATED DETOUR ROUTE**

SHEET 1 OF 2
NO SCALE

THD-7

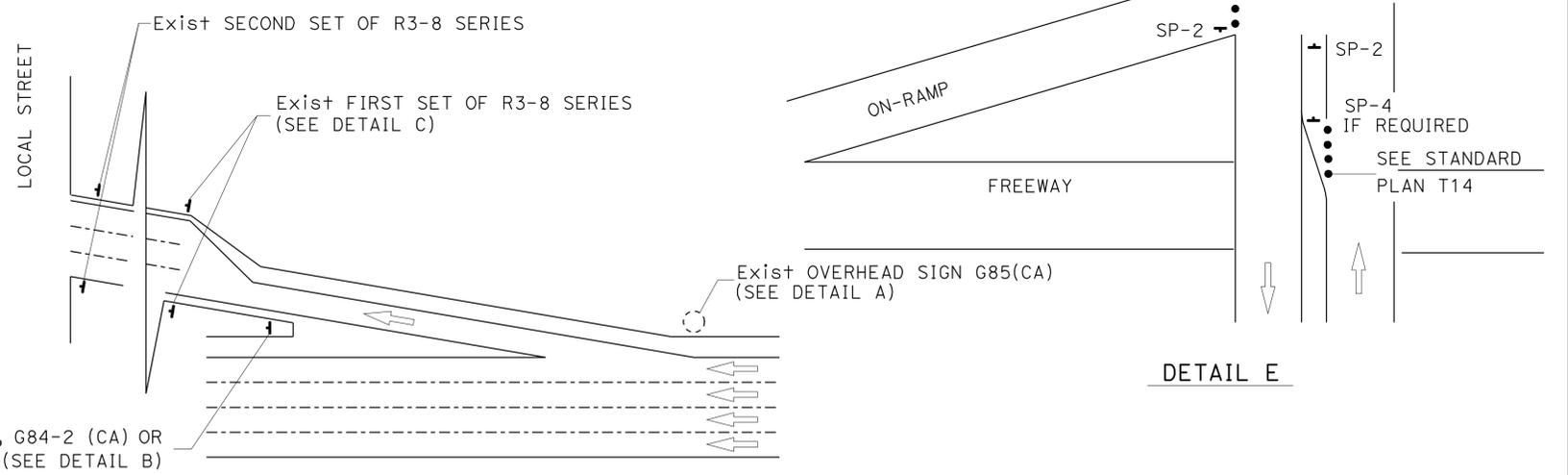
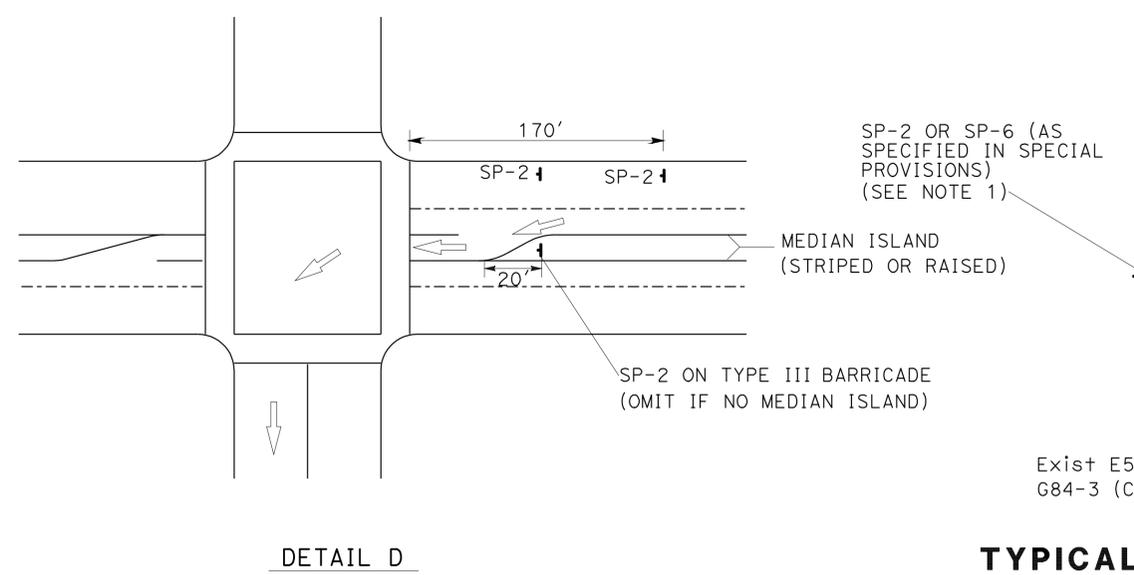
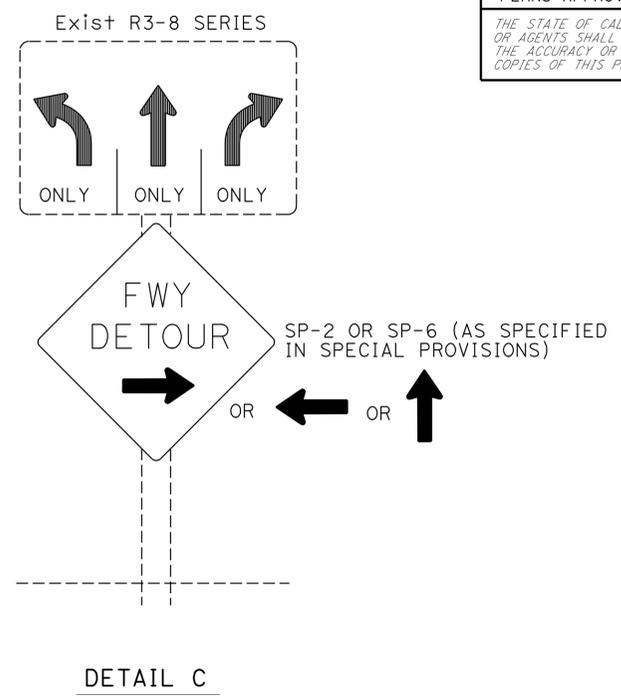
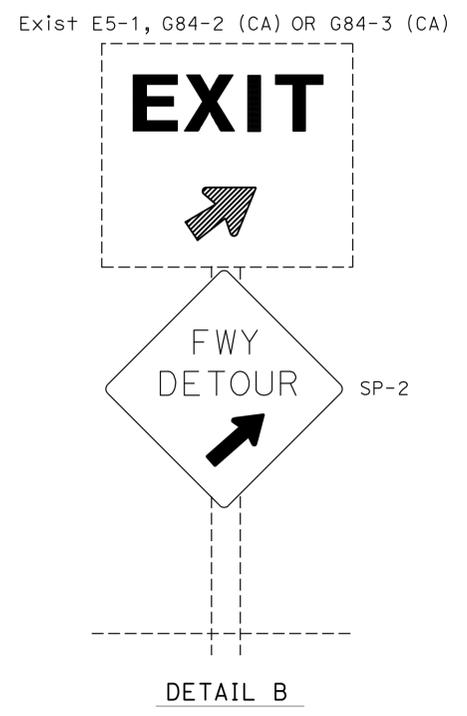
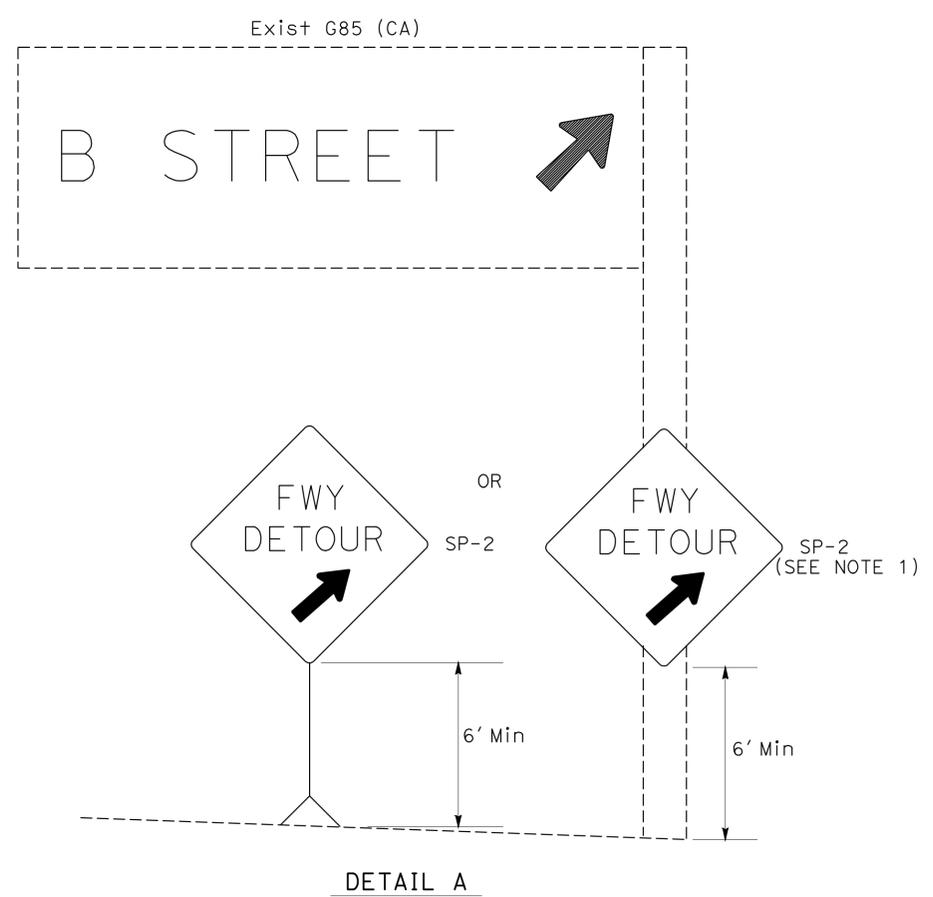
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	14	R25.1/R70.3	11	38

09-14-10
 REGISTERED CIVIL ENGINEER DATE
 01-10-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 MARTIN OREGEL
 No. C56816
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

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TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

NOTES:
 1. TEMPORARY SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POSTS, OR SIGN POSTS.

ABBREVIATIONS
 (CA) CALIFORNIA CODE

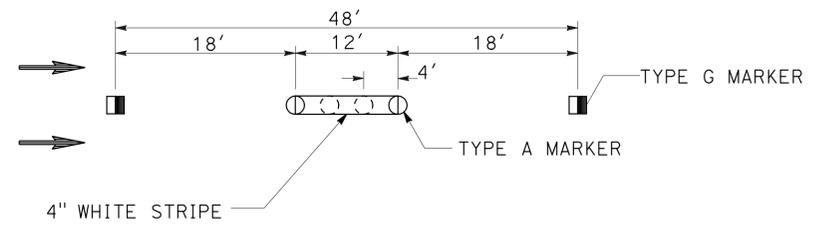
LEGENDS
 • TRAFFIC CONE
 † TEMPORARY SIGN
 → DIRECTION OF TRAVEL
 ○ EXISTING OVERHEAD SIGN

**TRAFFIC HANDLING DETAILS
 TRAFFIC CONTROL SYSTEM
 FOR DETOUR SIGN INSTALLATION
 ALONG DESIGNATED DETOUR ROUTE
 SHEET 2 OF 2
 NO SCALE
 THD-8**

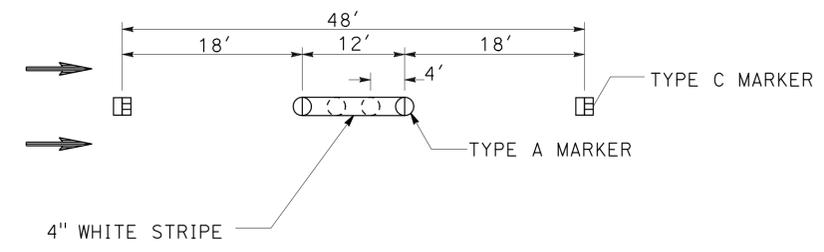
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 DTM
 FUNCTIONAL SUPERVISOR JOHN YANG
 CHECKED BY JOCELYN C CHIANG
 REVISOR BY ALBERT K YU
 DATE REVISED 7/10
 DESIGNED BY JC

NOTES:

- REMOVE TYPE G AND C PAVEMENT MARKERS
REPLACE WITH TYPE G AND C RETROREFLECTIVE MARKERS
- REPLACE MISSING TYPE A MARKERS IN EACH GROUP WITH TYPE A NON-REFLECTIVE MARKERS
- PLACE 4" WIDE THERMOPLASTIC TRAFFIC STRIPE ON TOP OF TYPE A NON-REFLECTIVE MARKERS



DETAIL 13 (MODIFIED)



DETAIL 14 (MODIFIED)

POST MILE	BRIDGE No.	BRIDGE NAME	THERMOPLASTIC TRAFFIC STRIPE						THERMOPLASTIC PAVEMENT MARKING		PAVEMENT MARKER			REMOVE				
			DETAIL 25A 4" SOLID YELLOW	HOV 4" SOLID YELLOW	HOV 4" SOLID WHITE	DETAIL 27B 4" SOLID WHITE	DETAIL 13/14 MODIFIED	DETAIL 38B (8" SOLID WHITE)	DIAGONAL	ARROW/ WORD	WHITE NON-REFLECTIVE TYPE A	RETROREFLECTIVE			YELLOW THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC PAVEMENT MARKING	PAVEMENT MARKER
												SPECIAL TYPE D	SPECIAL TYPE G	SPECIAL TYPE H				
R25.13	53-1936F	SIERRA HIGHWAY UC	184			184	184			19		5	9	184	230		43	
R25.13	53-1936L	SIERRA HIGHWAY UC	208			208	416	208	46	39		30	10	208	520	46	98	
R25.13	53-1936R	SIERRA HIGHWAY UC	228			228	685	228	24	61		38	11	228	628	24	130	
R27.03	53-2070	NEWHALL AVENUE UC	304	1,215	304	304	608			55	103	18	14	1,519	760	0	199	
R27.55	53-2146	LA AQUEDUCT UC	512	2,049	512	512	1,024		15	22	89	173	25	2,561	1,280	37	340	
R30.66	53-2180K	SIERRA HIGHWAY UC	203			203	203		21		21		5	203	254	21	46	
R30.91	53-2201K	VIA PRINCESSA UC	184			184	184		61		19		5	184	230	61	53	
R31.4	53-2167	CANYON PARK BLVD															0	
R31.88	53-2027	SANTA CLARA RIVER	1,859	7,436	1,859	1,859	3,718										1122	
32.53	53-1621	LOST CANYON ROAD UC	186	743	186	186	371							929	464		136	
35.34	53-1547	TICK CANYON WASH	228	455	228	228	228							683	512		99	
35.71	53-1549	SOLEDAD CANYON ROAD UC	420	840	420	420	420		22		39	72	10	1,260	945		159	
36.54	53-1540	SPRING CANYON ROAD UC	208	208	104	208	416				39	19	10	416	416		87	
SUBTOTAL			4,724	12,946	3,613	4,724	8,457	436	189	22	753	1,093	239	209	17,670	10,887	189	2,512
TOTAL			26,006				8,457	436	211		753	1,541			17,670	10,887	189	2,512

PAVEMENT DELINEATION QUANTITIES

PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR
 MONIR IBRAHIM
 H. NGUYEN
 D. WONG
 REVISOR BY
 DATE REVISOR
 CALCULATED/DESIGNED BY
 CHECKED BY
 REVISIONS:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	14	R25.1/R70.3	13	38

Deborah Wong 10-11-10
 REGISTERED CIVIL ENGINEER DATE

01-10-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DEBORAH WONG
 No. 58313
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

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

POST MILE	BRIDGE No.	BRIDGE NAME	THERMOPLASTIC TRAFFIC STRIPE						THERMOPLASTIC PAVEMENT MARKING		PAVEMENT MARKER				REMOVE			
			DETAIL 25A 4" SOLID YELLOW	HOV 4" SOLID YELLOW	HOV 4" SOLID WHITE	DETAIL 27B 4" SOLID WHITE	DETAIL 13/14 MODIFIED	DETAIL 38B (8" SOLID WHITE)	DIAGONAL	ARROW/ WORD	WHITE NON-REFLECTIVE TYPE A	RETROREFLECTIVE			YELLOW THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC PAVEMENT MARKING	PAVEMENT MARKER
												SPECIAL TYPE D	SPECIAL TYPE G	SPECIAL TYPE H				
LF	LF	LF	LF	LF	LF	LF	SQFT	SQFT	EA	EA	EA	EA	LF	LF	SQFT	EA		
45.73	53-1545R	PURITAN MINE ROAD UC	100	100	100	100	100			12	10	3	5	200			31	
R47.34	53-0147R/L	RED ROVER MINE ROAD UC		1,352	338	338	338			32	115	9	1	1,352	225		187	
R50.75	53-0871R/L	SANTIAGO ROAD UC		1,176	294	294	294			28	100	7	1	1,176	760		137	
R61.37	53-2376R	RANCHO VISTA BLVD UC	291			291	582			53		13	13	291	661		89	
R61.53	53-2377R	SOUTH AMARGOSA CREEK	60		60	60	120			14			4	60	437		23	
R62.12	53-2379L	AVENUE "O-8" UC				152								0	90			
R66.73	53-2381R/L	AVENUE "K" UC	374			374	1,122	60		98		24	17	374	152	60	148	
R67.37	53-2382R/L	AVENUE "J-8" UC												0	655			
R67.48	53-2383R	20TH STREET WEST UC	243			243	486			45		11	11	243			87	
R67.95	53-2384R	AVENUE "J" UC	153			153	306			29		7	7	153	365		64	
R68.46	53-2385L	LANCASTER BLVD UC	128			128	256			25		6	6	128	229		48	
R68.96	53-2386R/L	AVENUE "I" UC	292			292	584			53		13	13	292	192		89	
R70.27	53-2028R/L	AMARGOSA CREEK	786			786	786	262		70		17	34	786	438	262	131	
SUBTOTAL			2,427	2,628	792	3,211	4,974	322		459	225	110	112	5,055	983	322	1,034	
TOTAL			9,058				4,974	322	459	447				5,055	5,186	322	1,034	
TOTAL (PDQ-1 & PDQ-2)			35,064				13,431	436	533	1,212	1,988				22,725	5,186	511	3,546

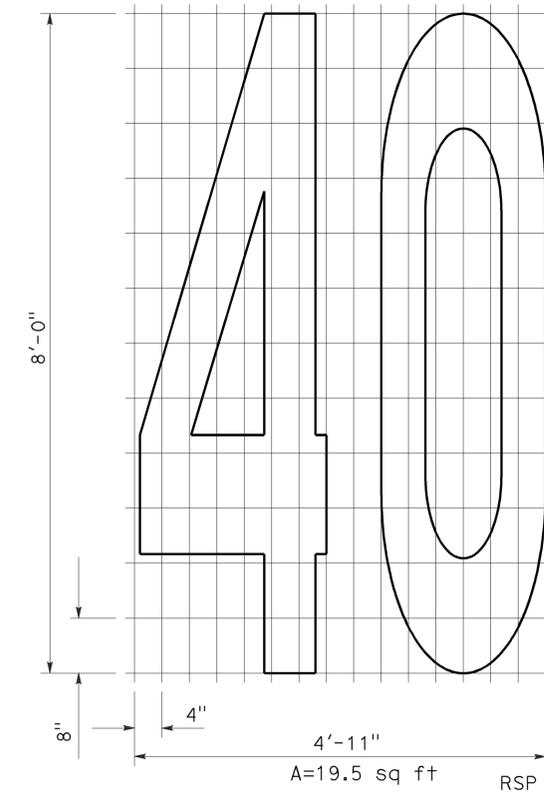
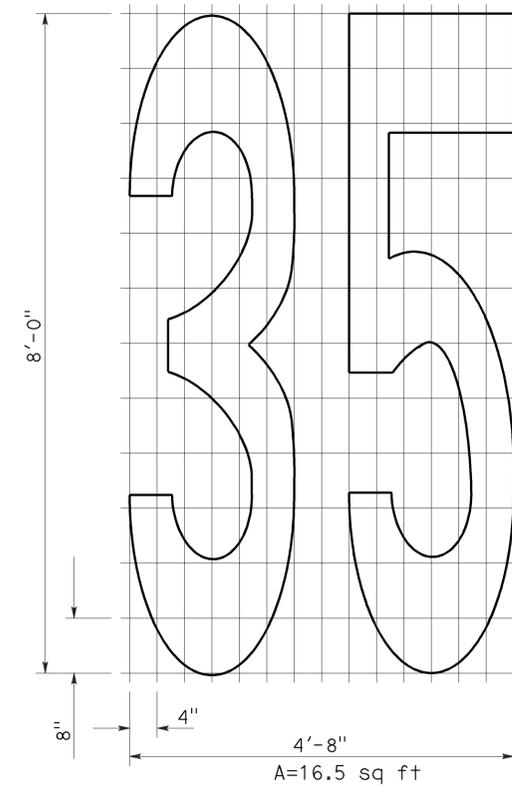
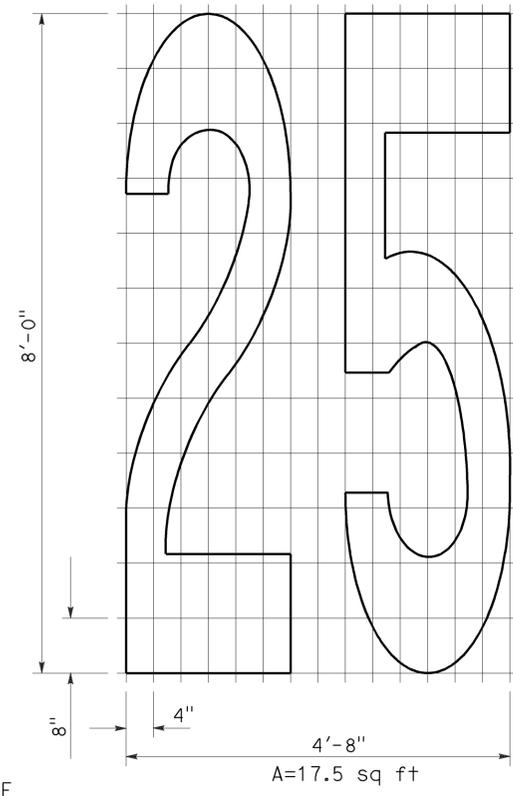
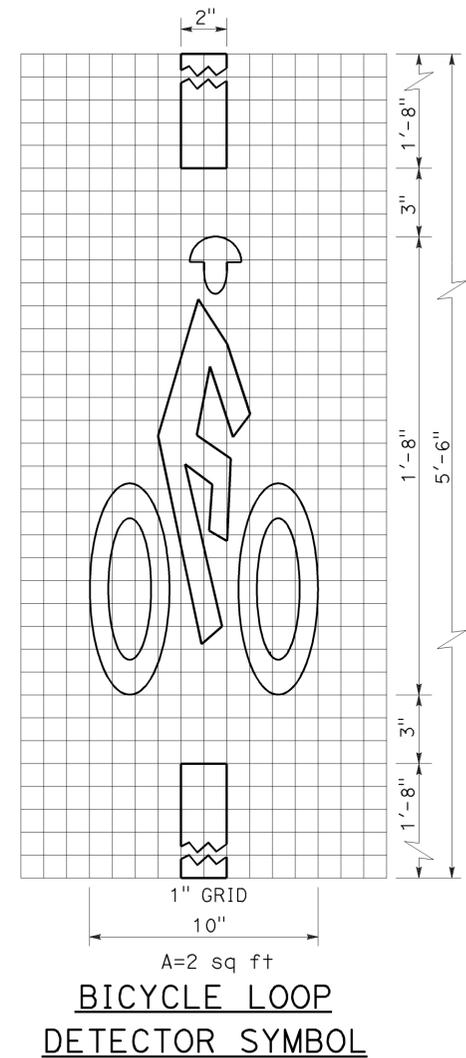
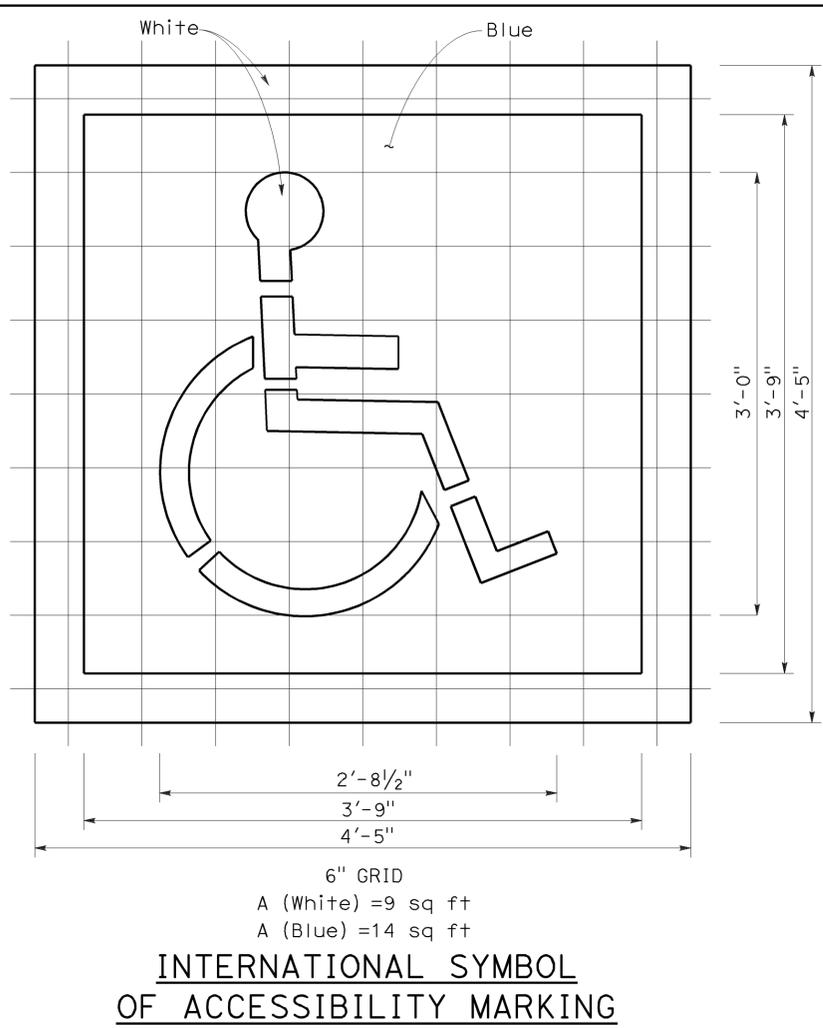
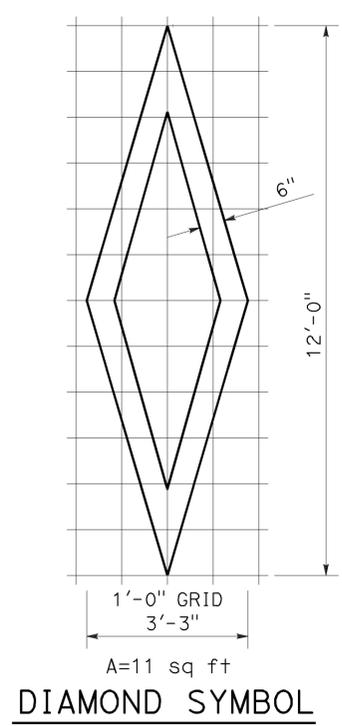
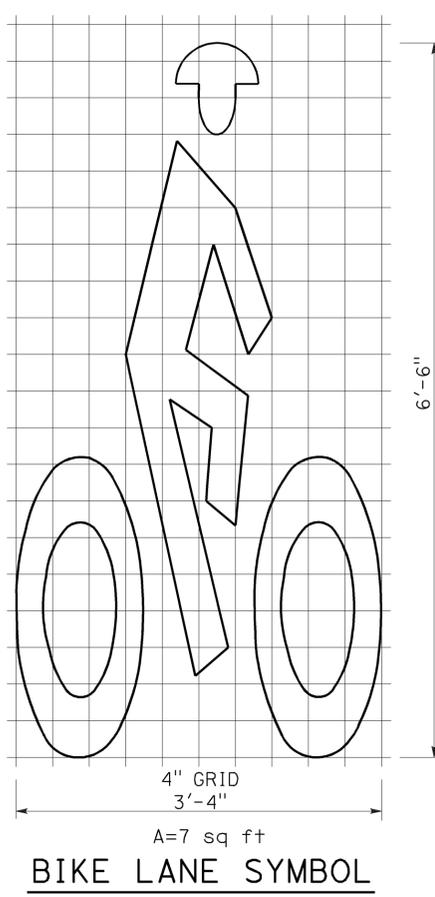
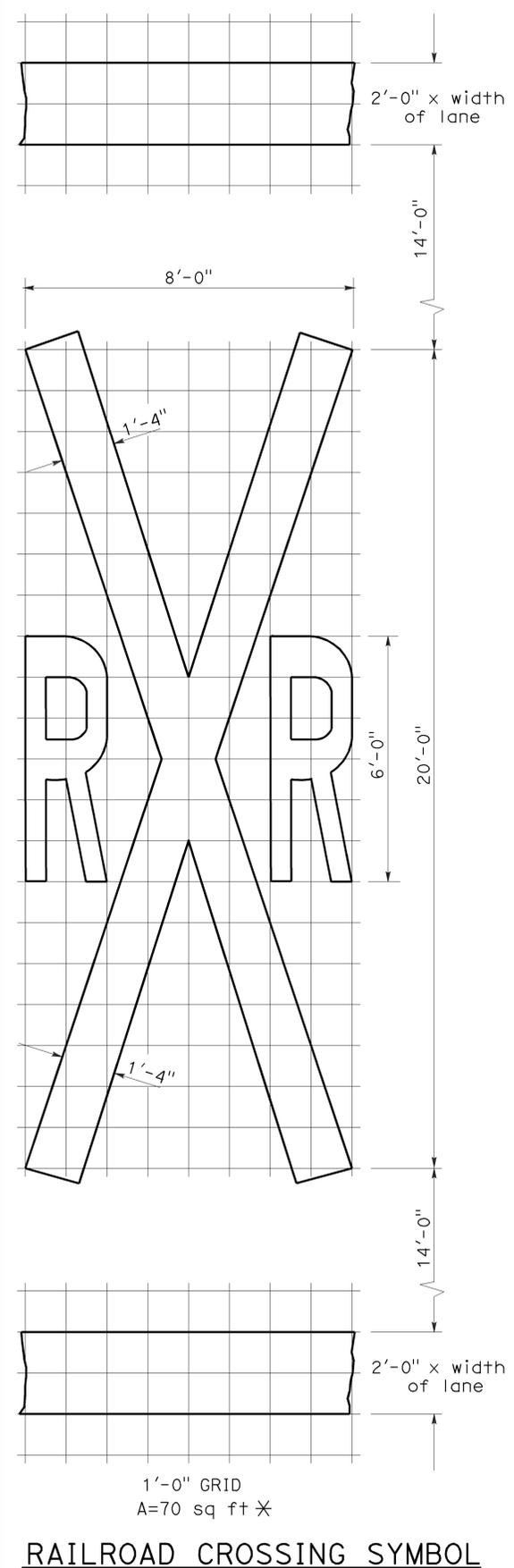
PAVEMENT DELINEATION QUANTITIES

PDQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR
 MONIR IBRAHIM
 CALCULATED/DESIGNED BY
 H. NGUYEN
 CHECKED BY
 D. WONG
 REVISED BY
 DATE REVISED

LAST REVISION | DATE PLOTTED => 07-JAN-2011
 00-00-00 | TIME PLOTTED => 09:58

To accompany plans dated 01-10-11

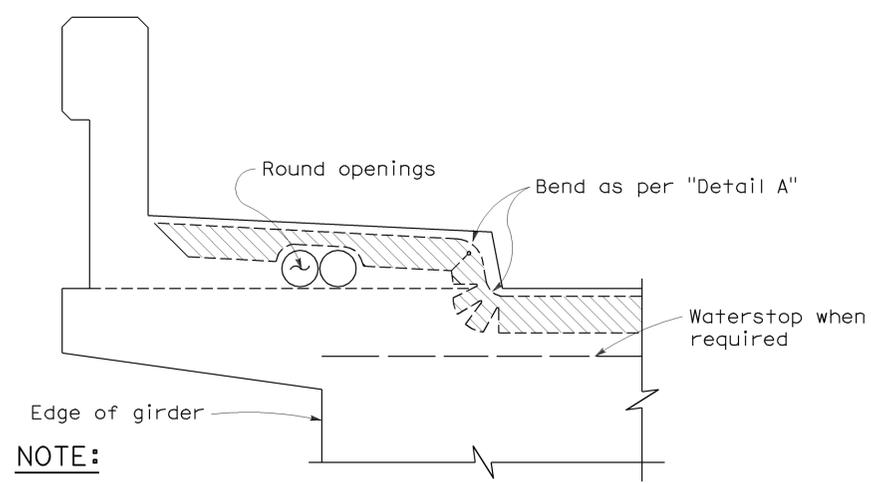


NUMERALS

NOTE:
1. Minor variations in dimensions may be accepted by the Engineer.

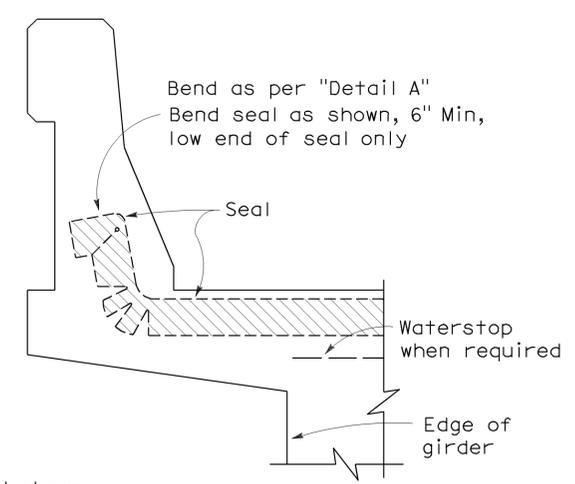
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS SYMBOLS AND NUMERALS
NO SCALE

*70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.

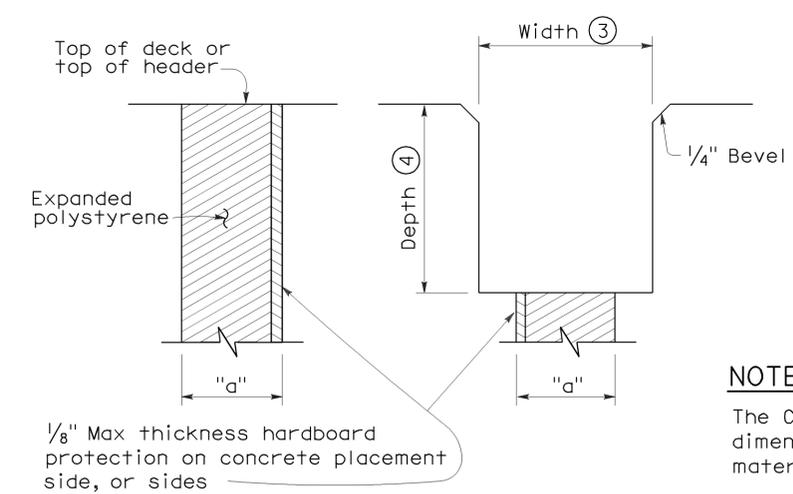


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



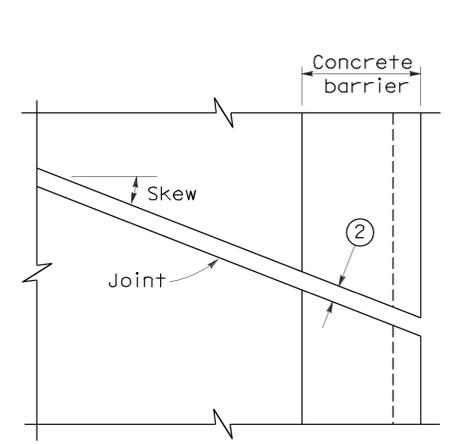
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

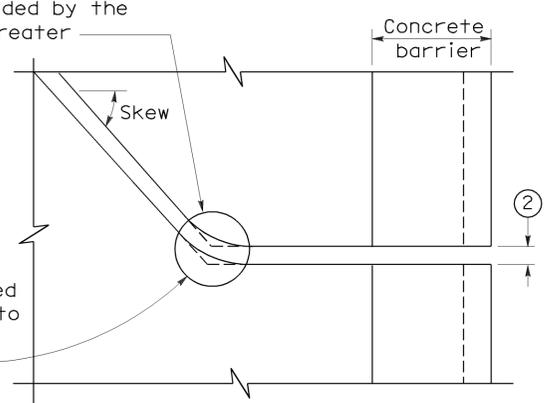
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



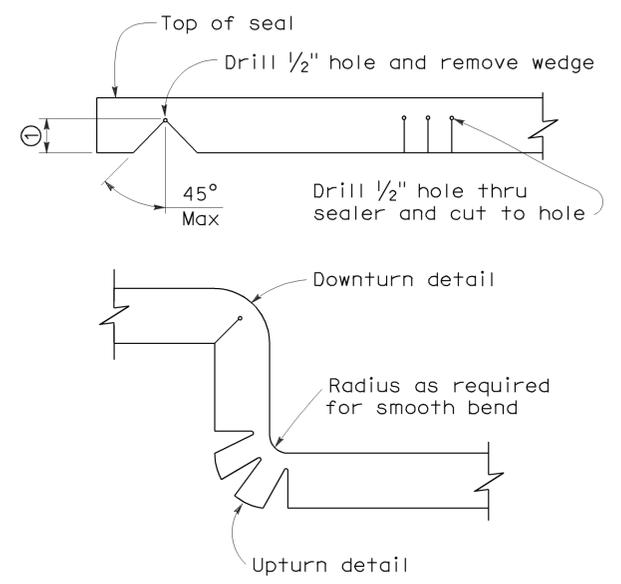
PLAN OF JOINT (SKEW ≤ 20°)

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.

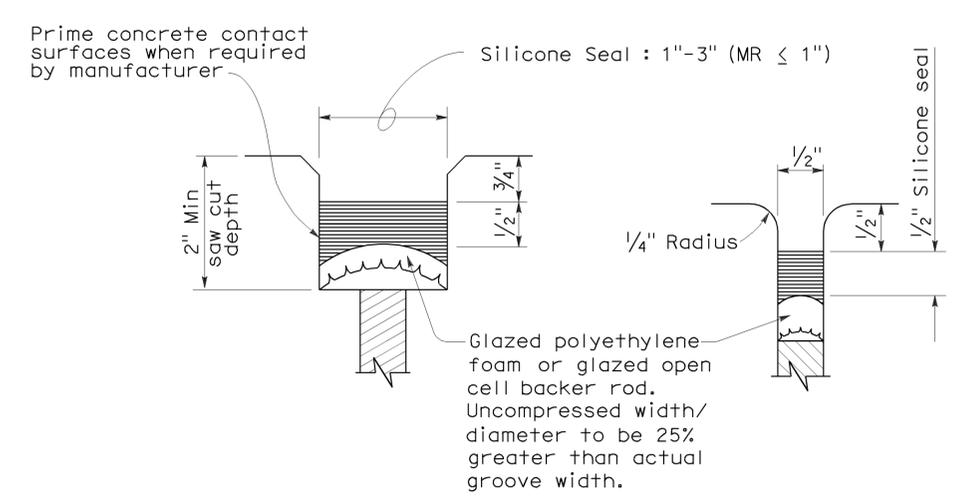


DETAIL A

- 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"

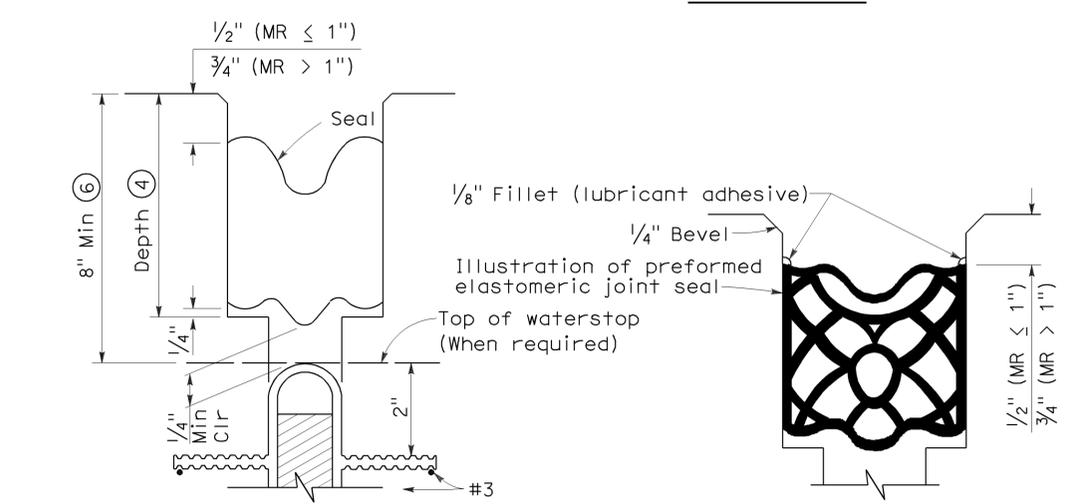


TYPE A SEAL

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.

REVISED STANDARD PLAN RSP B6-21

2006 REVISED STANDARD PLAN RSP B6-21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	14	R25.1/R70.3	16	38

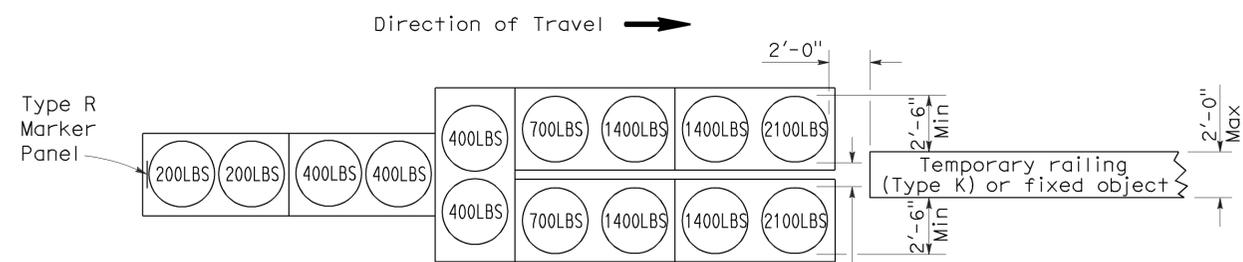
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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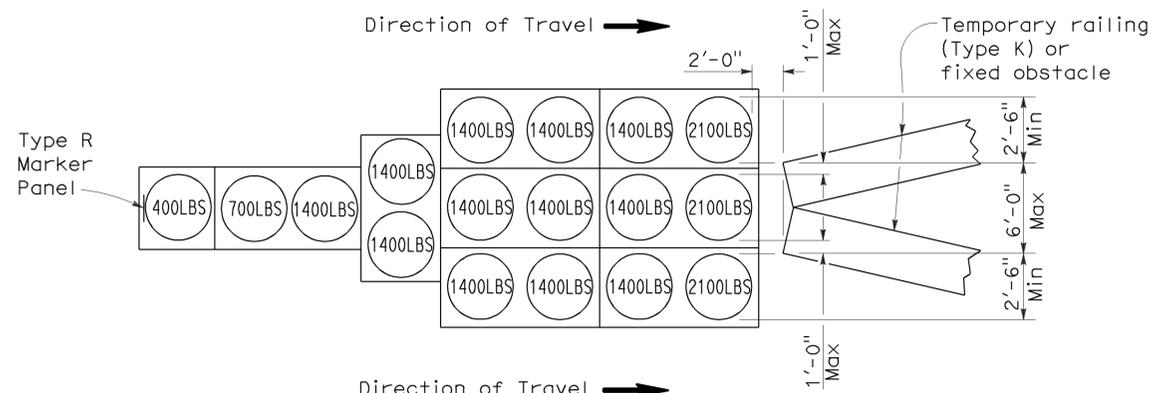
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 01-10-11



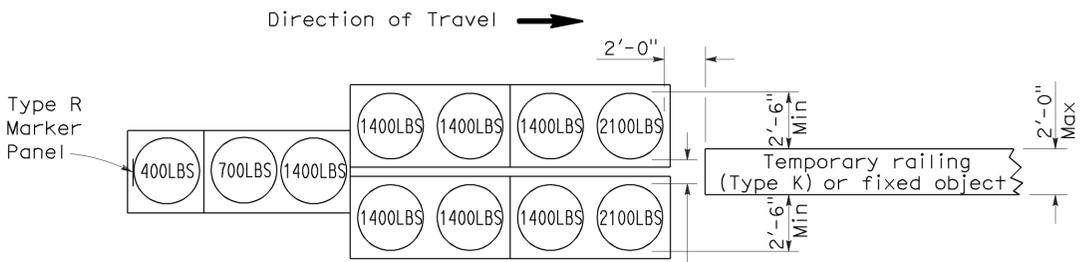
ARRAY 'TU14'

Approach speed 45 mph or more



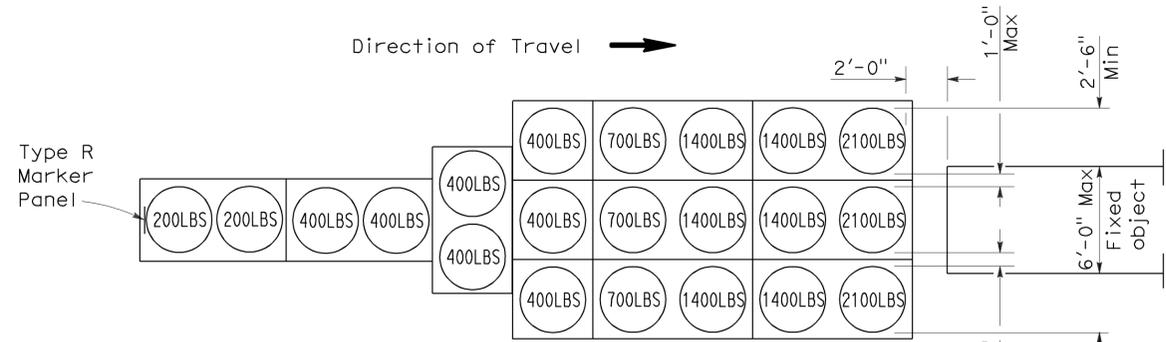
ARRAY 'TU17'

Approach speed less than 45 mph



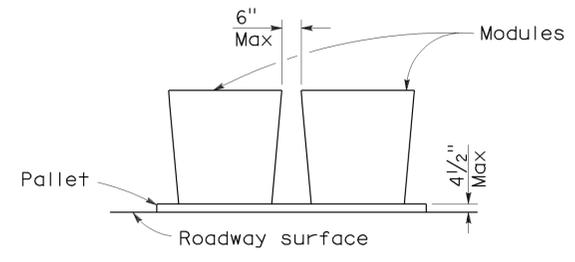
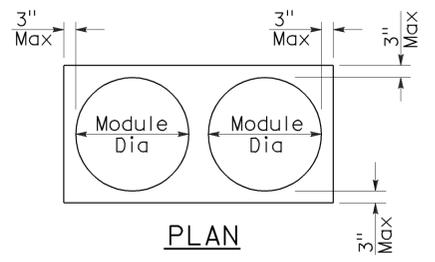
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more



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
07	LA	14	R25.1/R70.3	17	38

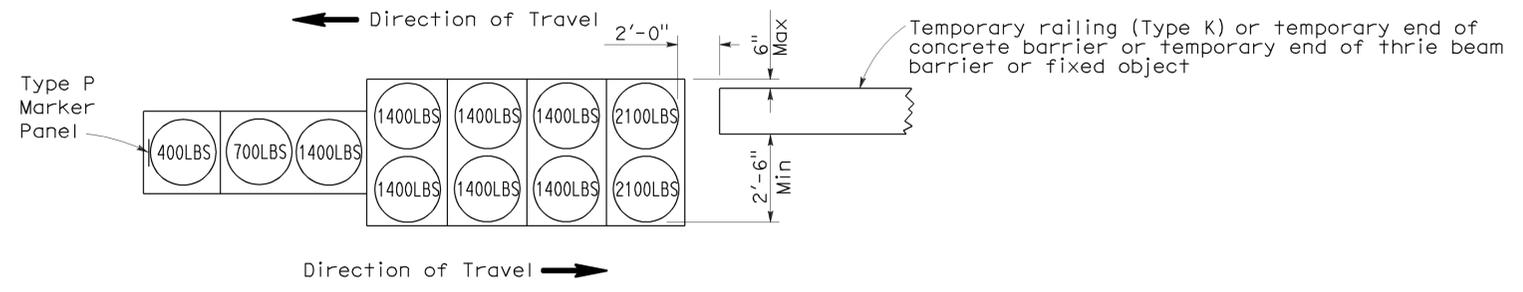
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

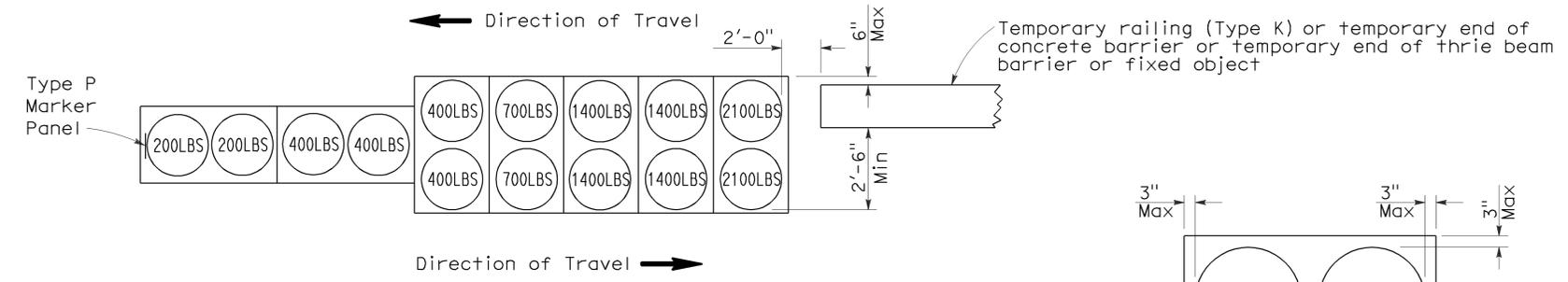
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 01-10-11



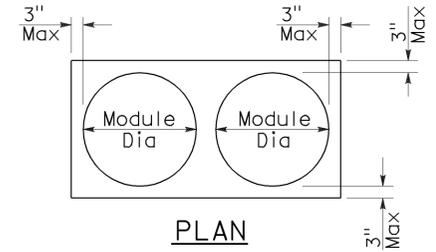
ARRAY 'TB11'

Approach speed less than 45 mph

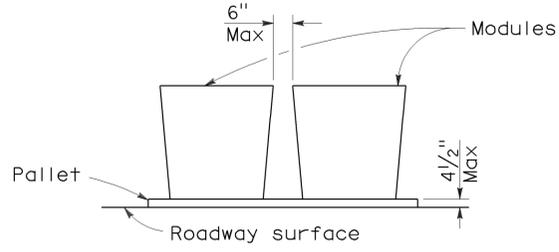


ARRAY 'TB14'

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

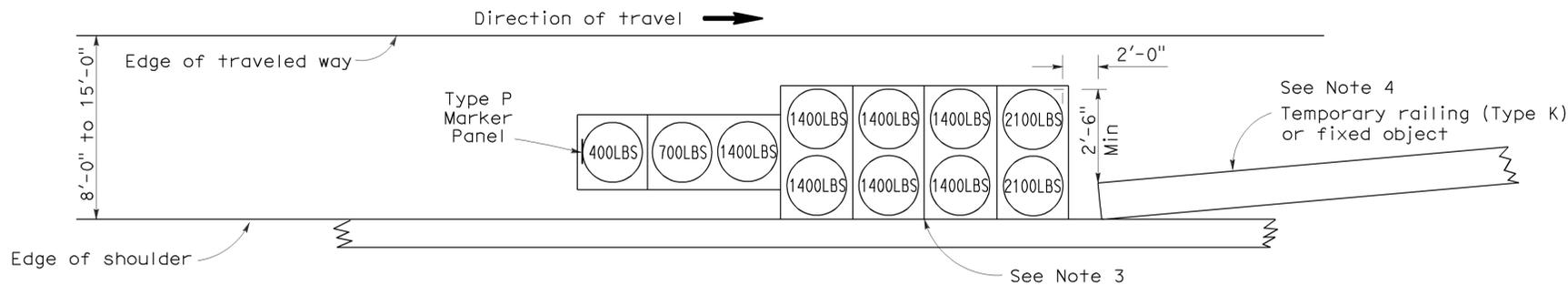
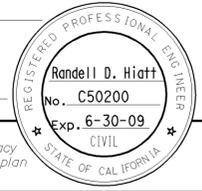
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	14	R25.1/R70.3	18	38

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

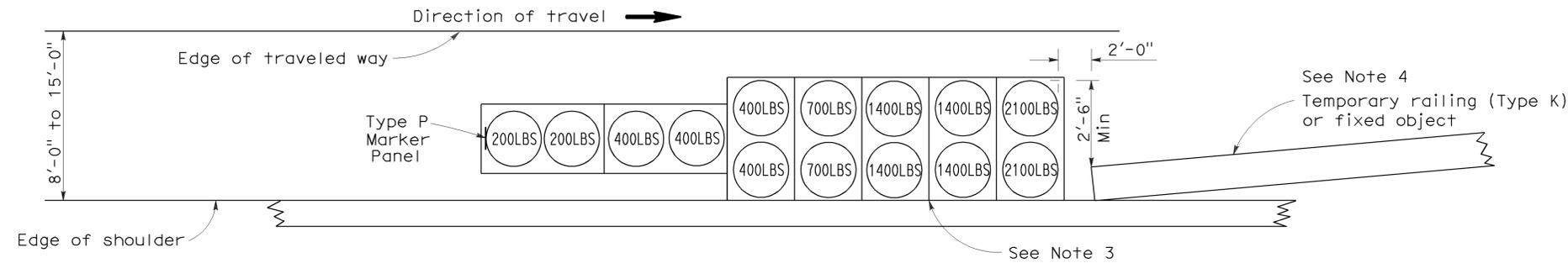
June 6, 2008
PLANS APPROVAL DATE

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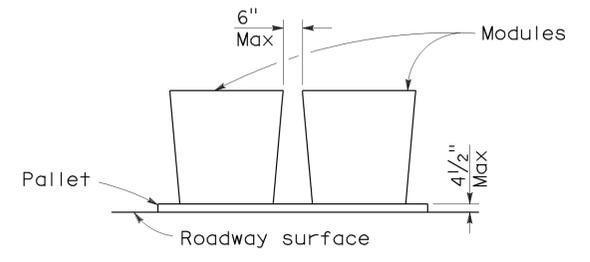
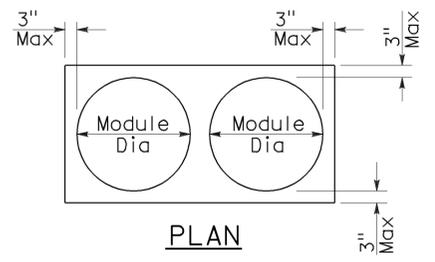
To accompany plans dated 01-10-11



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



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



CRASH CUSHION PALLET DETAIL
See Note 11

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**
NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	20	38

Arlene Frank
 REGISTERED CIVIL ENGINEER DATE 9-30-10
 PLANS APPROVAL DATE 01-10-11
 No. C 55562
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

NOTES: (APPLY TO ALL SHEETS)

----- Indicates existing.

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

STANDARD PLANS DATED MAY 2006

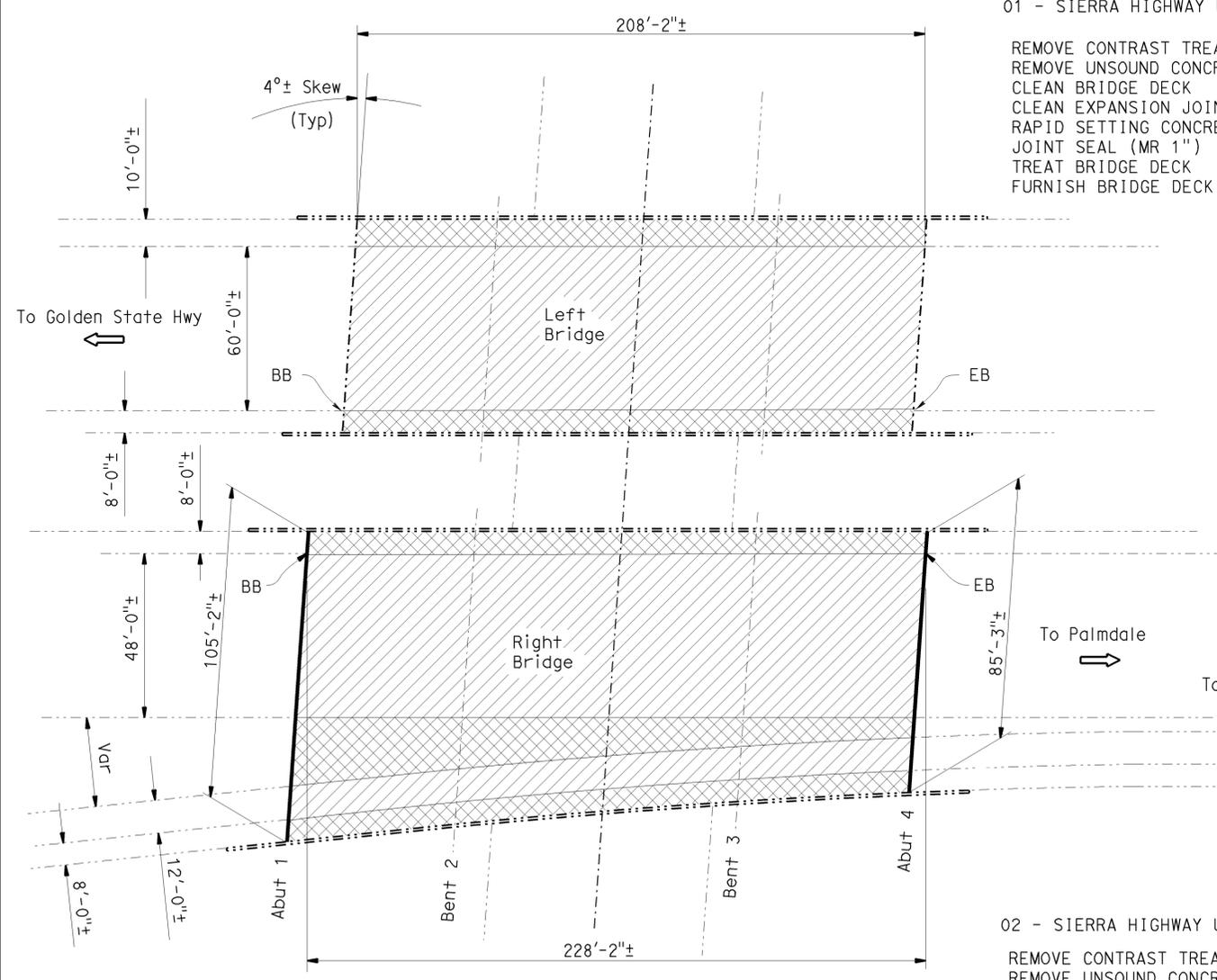
SHEET NO.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
RSP B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

NOTES: (APPLY TO THIS SHEET ONLY)

-  Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.
-  Indicates limits of remove contrast treatment.
-  Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.

INDEX TO PLANS

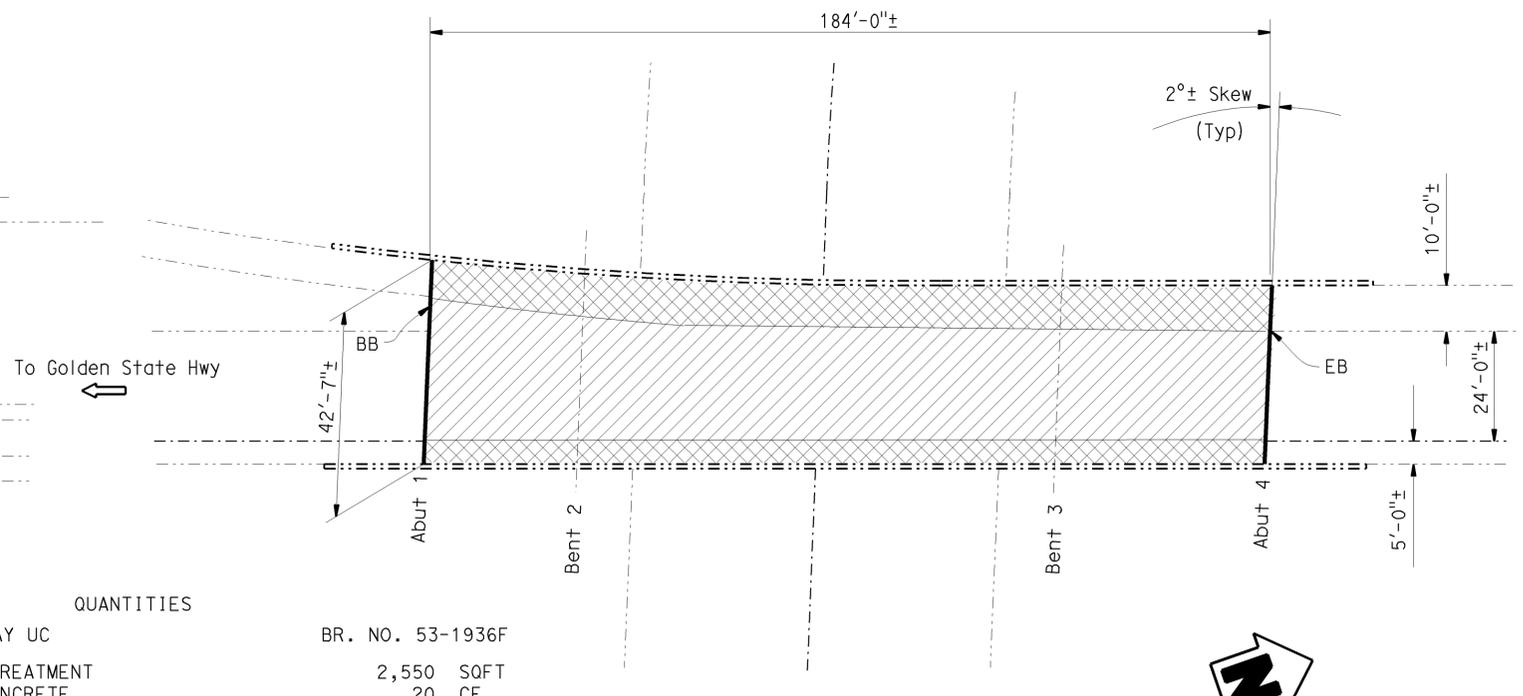
SHEET NO.	TITLE
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2	GENERAL PLAN NO. 2
3	GENERAL PLAN NO. 3
4	GENERAL PLAN NO. 4
5	GENERAL PLAN NO. 5
6	GENERAL PLAN NO. 6
7	GENERAL PLAN NO. 7
8	GENERAL PLAN NO. 8
9	GENERAL PLAN NO. 9
10	GENERAL PLAN NO. 10
11	GENERAL PLAN NO. 11
12	GENERAL PLAN NO. 12
13	GENERAL PLAN NO. 13
14	GENERAL PLAN NO. 14
15	GENERAL PLAN NO. 15
16	JOINT SEAL DETAILS
17	JOINT SEAL ASSEMBLY (MAXIMUM MOVEMENT RATING = 4")
18	DECK REPAIR DETAILS
19	STRUCTURE APPROACH TYPE R(30D)



QUANTITIES

01 - SIERRA HIGHWAY UC BR. NO. 53-1936L/R

REMOVE CONTRAST TREATMENT	11,250	SQFT
REMOVE UNSOUND CONCRETE	100	CF
CLEAN BRIDGE DECK	38,900	SQFT
CLEAN EXPANSION JOINT	190	LF
RAPID SETTING CONCRETE (PATCH)	100	CF
JOINT SEAL (MR 1")	190	LF
TREAT BRIDGE DECK	38,900	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	460	GAL



QUANTITIES

02 - SIERRA HIGHWAY UC BR. NO. 53-1936F

REMOVE CONTRAST TREATMENT	2,550	SQFT
REMOVE UNSOUND CONCRETE	20	CF
CLEAN BRIDGE DECK	7,480	SQFT
CLEAN EXPANSION JOINT	82	LF
RAPID SETTING CONCRETE (PATCH)	20	CF
JOINT SEAL (MR 1")	82	LF
TREAT BRIDGE DECK	7,480	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	88	GAL

SIERRA HIGHWAY UNDERCROSSING

Br No. 53-1936L/R, ROUTE 14, R25.13
1" = 30'

SIERRA HIGHWAY UNDERCROSSING

Br No. 53-1936F, ROUTE 14, R25.13
1" = 20'


 DESIGN ENGINEER 9-30-10

DESIGN	BY A. Frank	CHECKED H. Kuntz
DETAILS	BY David Kish	CHECKED H. Kuntz
QUANTITIES	BY A. Frank	CHECKED H. Kuntz

LAYOUT	BY David Kish	CHECKED H. Kuntz
SPECIFICATIONS	BY K. Ellingson	PLANS AND SPECIFICATIONS COMPARED K. Ellingson

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 14 BRIDGES
GENERAL PLAN NO. 1

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 07
EA 3y6701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
6-01-10 7-23-10 8-02-10 9-14-10	1	19

DATE PLOTTED => 20-DEC-2010 USERNAME => gk150 TIME PLOTTED => 08:20

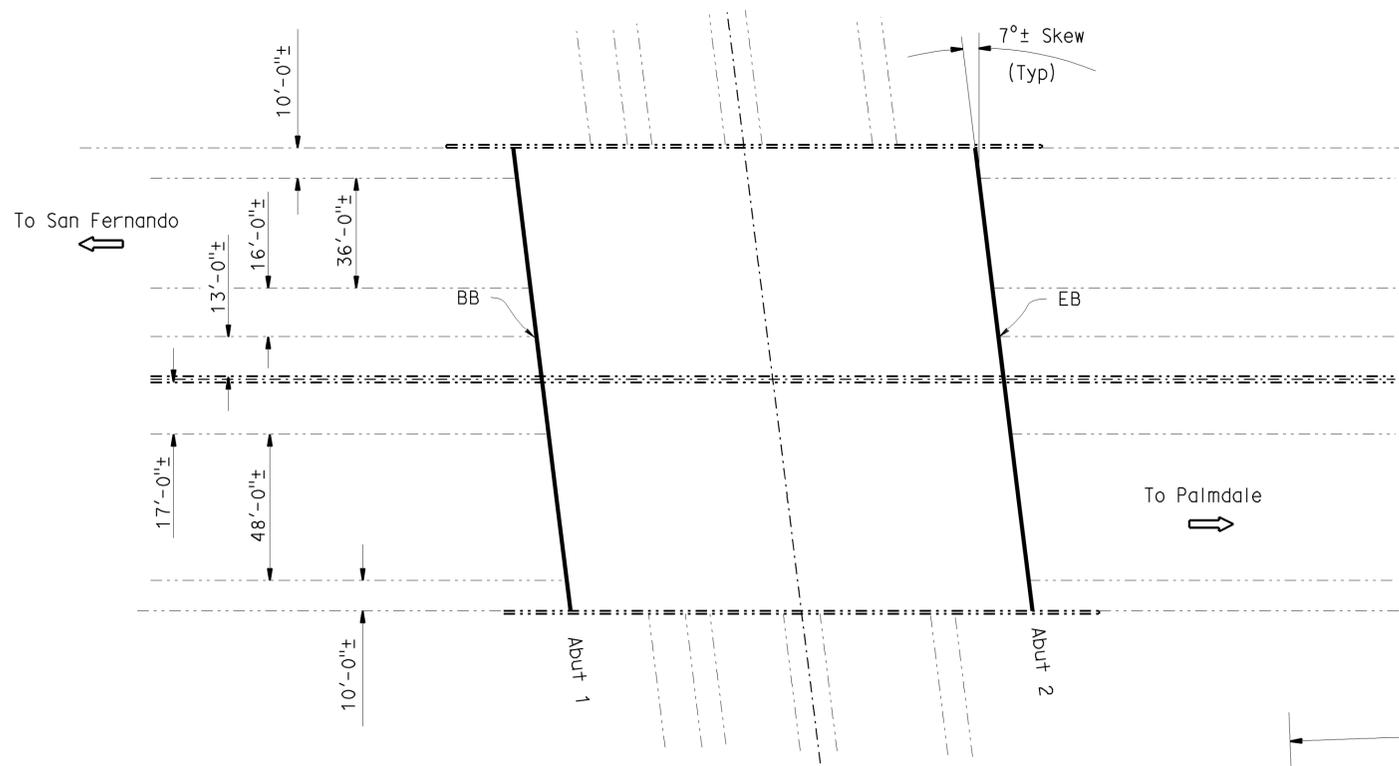
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	21	38

Arlene Frank
 REGISTERED CIVIL ENGINEER DATE 9-30-10

01-10-11
 PLANS APPROVAL DATE

Arlene Frank
 REGISTERED PROFESSIONAL ENGINEER
 No. C 55562
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

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NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.

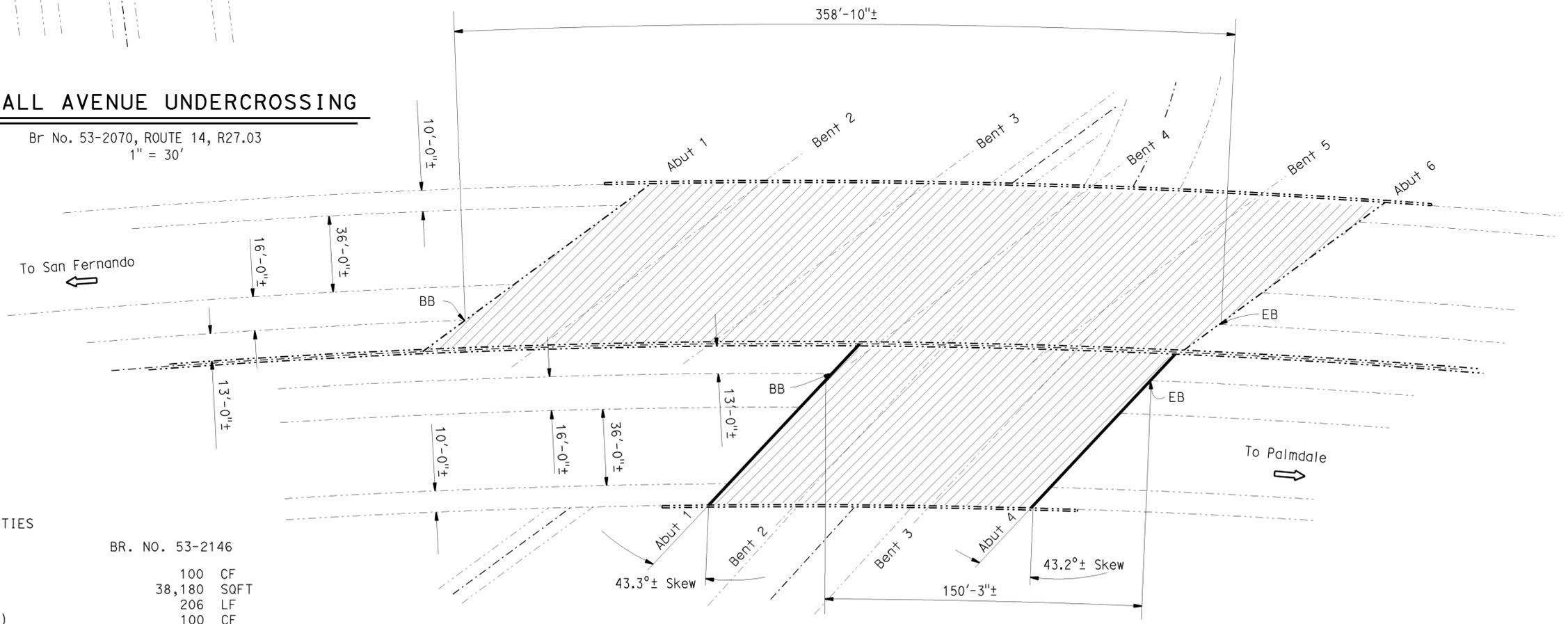
Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.

QUANTITIES

03 - NEWHALL AVENUE UC	BR. NO. 53-2070
REMOVE UNSOUND CONCRETE	65 CF
CLEAN EXPANSION JOINT	306 LF
RAPID SETTING CONCRETE (PATCH)	65 CF
JOINT SEAL (MR 1")	306 LF

NEWHALL AVENUE UNDERCROSSING

Br No. 53-2070, ROUTE 14, R27.03
 1" = 30'



QUANTITIES

04 - LOS ANGELES AQUEDUCT UC	BR. NO. 53-2146
REMOVE UNSOUND CONCRETE	100 CF
CLEAN BRIDGE DECK	38,180 SQFT
CLEAN EXPANSION JOINT	206 LF
RAPID SETTING CONCRETE (PATCH)	100 CF
JOINT SEAL (MR 1")	206 LF
TREAT BRIDGE DECK	38,180 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	450 GAL

LOS ANGELES AQUEDUCT UNDERCROSSING

Br No. 53-2146, ROUTE 14, R27.55
 1" = 20'

<i>Matthew Wilson</i> DESIGN ENGINEER	DESIGN BY A. Frank	CHECKED H. Kuntz	LAYOUT BY David Kish	CHECKED H. Kuntz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTE 14 BRIDGES GENERAL PLAN NO. 2	
	DETAILS BY David Kish	CHECKED H. Kuntz	BY K. Ellingson	PLANS AND SPECIFICATIONS COMPARED K. Ellingson			POST MILE VARIES		
	QUANTITIES BY A. Frank	CHECKED H. Kuntz					VARIES		
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 07 EA 3y6701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 2 OF 19

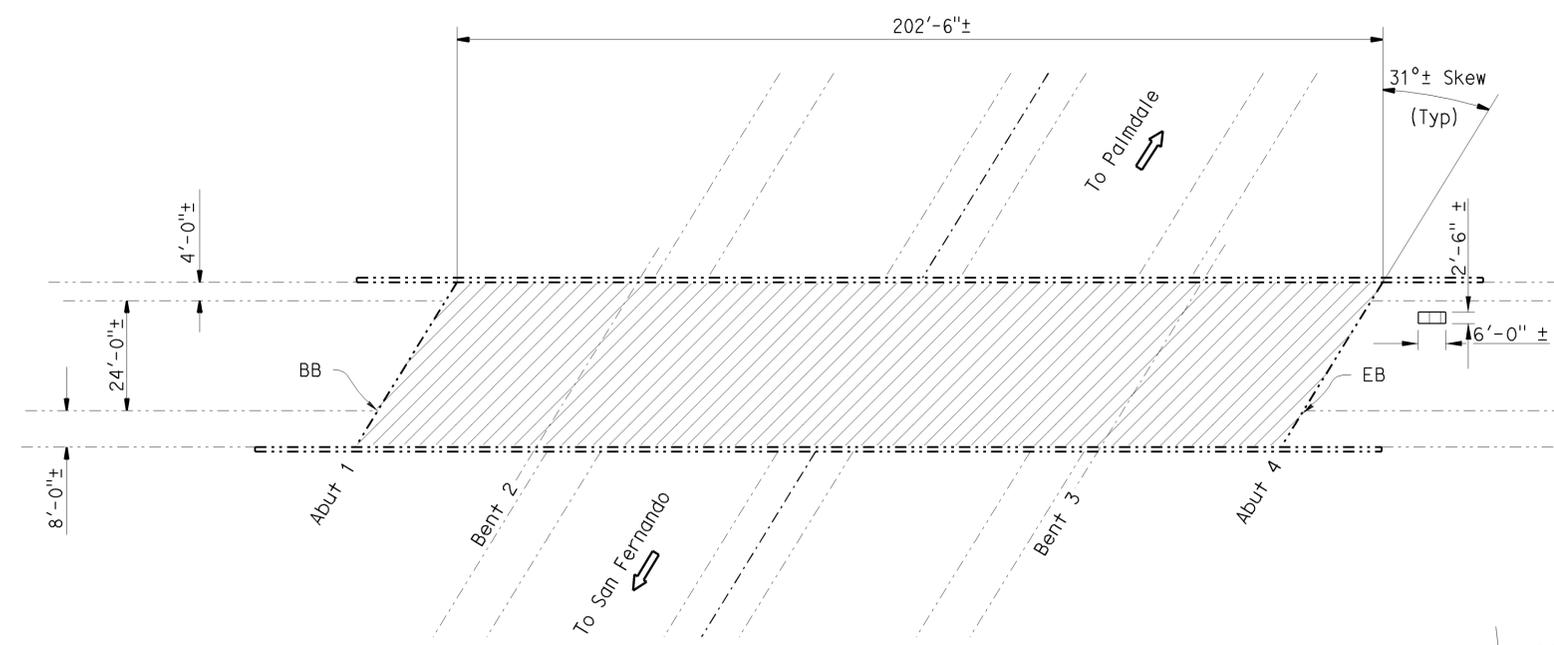
DATE PLOTTED => 20-DEC-2010 USERNAME => gk150 TIME PLOTTED => 08:20

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	22	38

Arlene Frank 9-30-10
 REGISTERED CIVIL ENGINEER DATE
 01-10-11
 PLANS APPROVAL DATE
 No. C 55562
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

NOTES: (APPLY TO THIS SHEET ONLY)

-  Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.
-  Indicates approximate location of remove unsound concrete and patch with rapid setting concrete.



SIERRA HIGHWAY UNDERCROSSING

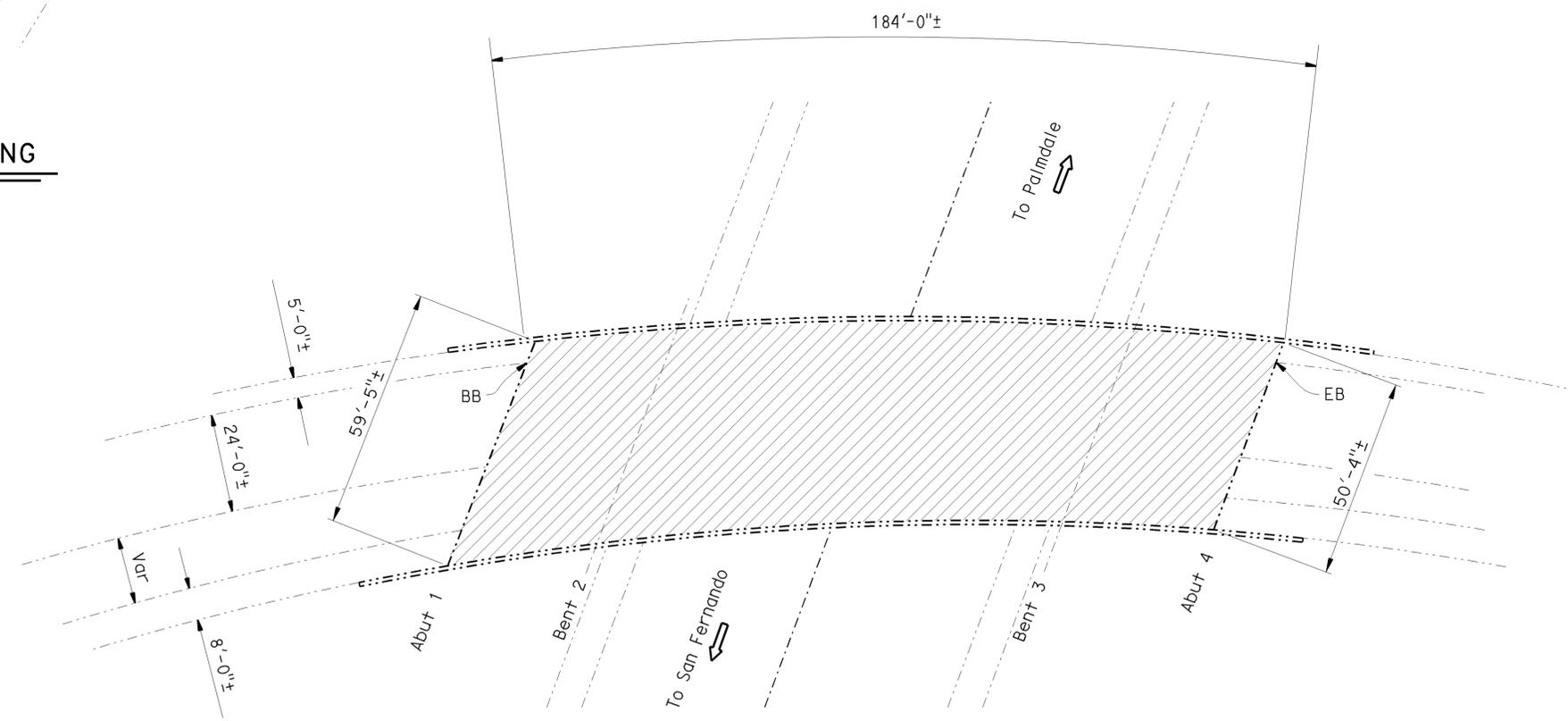
Br No. 53-2180K, ROUTE 14, R30.66
1" = 20'



QUANTITIES

05 - SIERRA HIGHWAY UC

REMOVE UNSOUND CONCRETE	20	CF
CLEAN BRIDGE DECK	7,290	SQFT
RAPID SETTING CONCRETE (PATCH)	20	CF
TREAT BRIDGE DECK	7,290	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	85	GAL



VIA PRINCESSA UNDERCROSSING

Br No. 53-2201K, ROUTE 14, R30.91
1" = 20'



QUANTITIES

06 - VIA PRINCESSA UC

REMOVE UNSOUND CONCRETE	25	CF
CLEAN BRIDGE DECK	9,850	SQFT
RAPID SETTING CONCRETE (PATCH)	25	CF
TREAT BRIDGE DECK	9,850	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	115	GAL


 DESIGN ENGINEER 9-30-10

DESIGN	BY A. Frank	CHECKED H. Kuntz
DETAILS	BY David Kish	CHECKED H. Kuntz
QUANTITIES	BY A. Frank	CHECKED H. Kuntz

LAYOUT	BY David Kish	CHECKED H. Kuntz
SPECIFICATIONS	BY K. Ellingson	CHECKED H. Kuntz

PLANS AND SPECIFICATIONS COMPARED
 K. Ellingson

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
 POST MILE VARIES

**ROUTE 14 BRIDGES
GENERAL PLAN NO. 3**

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 07
EA 3y6701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	6-01-10	8-02-10	9-14-10				
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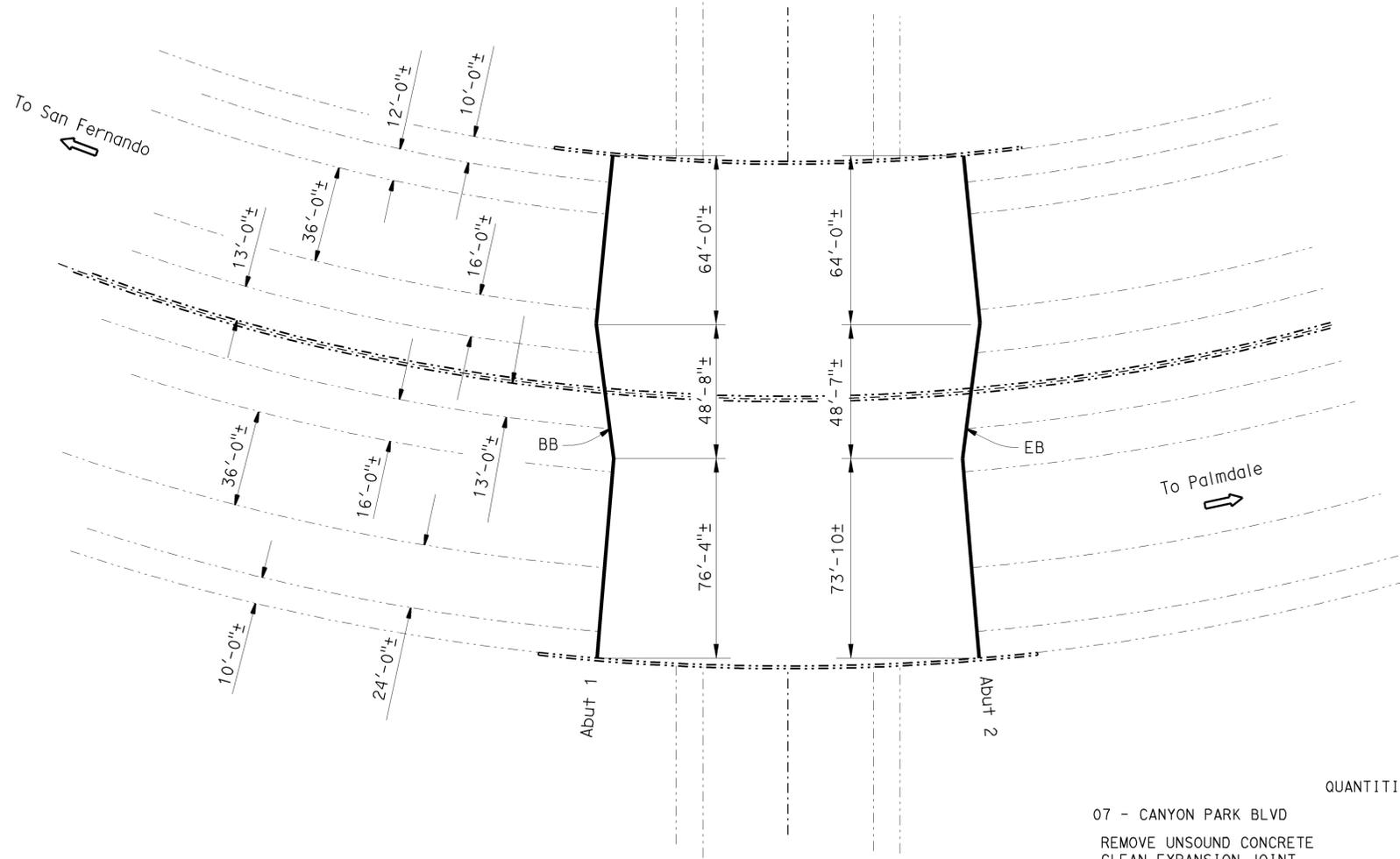
SHEET 3 OF 19

DATE PLOTTED => 20-DEC-2010 USERNAME => QK150 TIME PLOTTED => 08:20

NOTES: (APPLY TO THIS SHEET ONLY)

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	23	38
 REGISTERED CIVIL ENGINEER DATE 9-30-10					
01-10-11 PLANS APPROVAL DATE					
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QUANTITIES

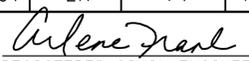
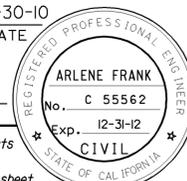
07 - CANYON PARK BLVD	BR. NO. 53-2167
REMOVE UNSOUND CONCRETE	65 CF
CLEAN EXPANSION JOINT	375 LF
RAPID SETTING CONCRETE (PATCH)	65 CF
JOINT SEAL (MR 1")	375 LF

CANYON PARK BOULEVARD

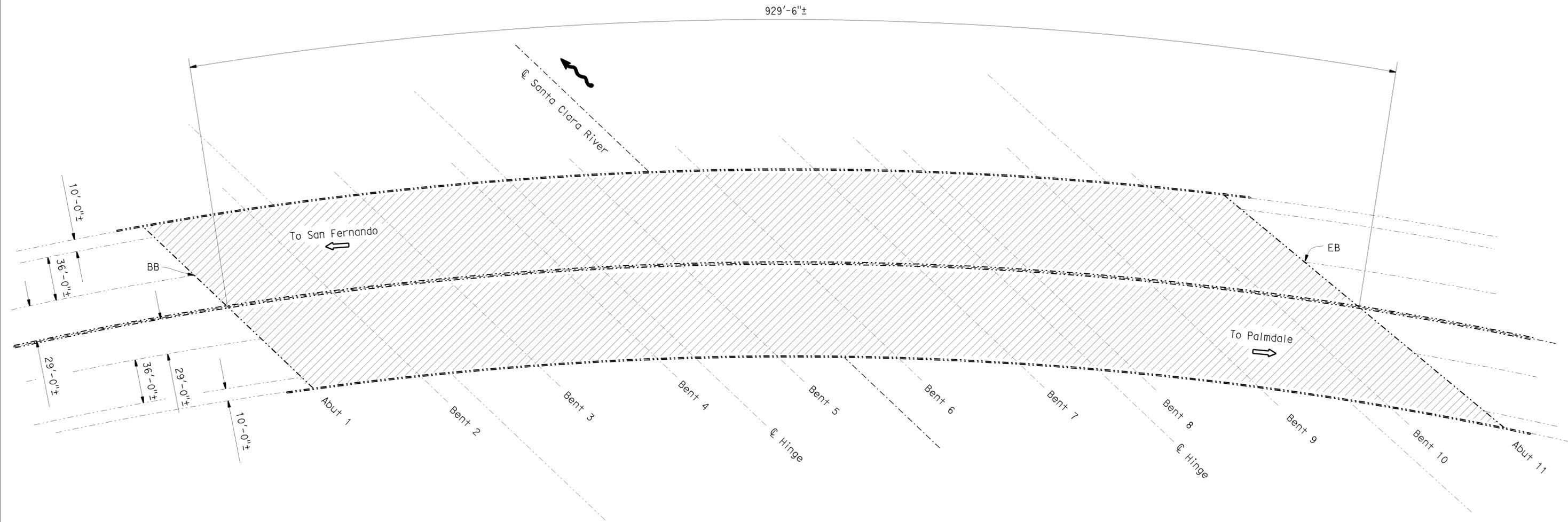
1" = 30'

 DESIGN ENGINEER 9-30-10	DESIGN BY A. Frank	CHECKED H. Kuntz	LAYOUT BY David Kish	CHECKED H. Kuntz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. 53-2167	ROUTE 14 BRIDGES GENERAL PLAN NO. 4
	DETAILS BY David Kish	CHECKED H. Kuntz	BY K. Ellingson	PLANS AND SPECIFICATIONS COMPARED K. Ellingson			POST MILE R31.40	
QUANTITIES BY A. Frank	CHECKED H. Kuntz	SPECIFICATIONS			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 07 EA 3y6701	REVISION DATES	SHEET 4 OF 19

DATE PLOTTED => 20-DEC-2010 TIME PLOTTED => 08:20 USERNAME => dk150

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	24	38
 REGISTERED CIVIL ENGINEER DATE 9-30-10					
PLANS APPROVAL DATE 01-10-11					
<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>					

NOTES: (APPLY TO THIS SHEET ONLY)
 Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.



SANTA CLARA RIVER
 Br No. 53-2027, ROUTE 14, R31.88
 1" = 40'

QUANTITIES	
08 - SANTA CLARA RIVER BRIDGE	BR. NO. 53-2027
REMOVE UNSOUND CONCRETE	350 CF
CLEAN BRIDGE DECK	139,430 SQFT
RAPID SETTING CONCRETE (PATCH)	350 CF
TREAT BRIDGE DECK	139,430 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	1,640 GAL

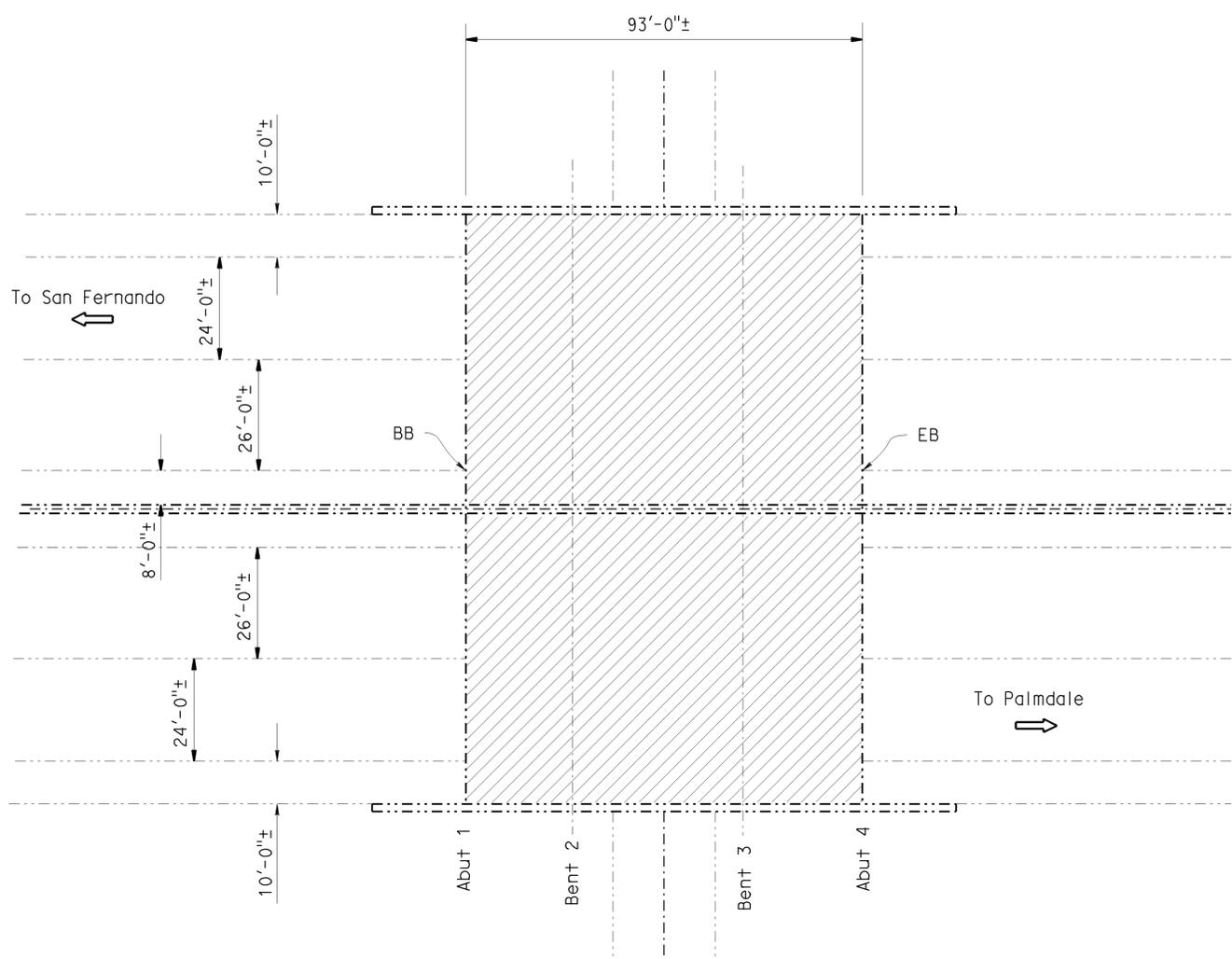
 DESIGN ENGINEER 9-30-10	DESIGN BY A. Frank	CHECKED H. Kuntz	LAYOUT BY David Kish	CHECKED H. Kuntz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. 53-2027	ROUTE 14 BRIDGES GENERAL PLAN NO. 5	
	DETAILS BY David Kish	CHECKED H. Kuntz	BY K. Ellingson	PLANS AND SPECIFICATIONS COMPARED K. Ellingson			POST MILE R31.88		
	QUANTITIES BY A. Frank	CHECKED H. Kuntz							
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 07 EA 3y6701	DISREGARD PRINTS BEARING EARLIER REVISION DATES → 6-01-10 8-02-10	SHEET 5 OF 19

USERNAME => DK150 DATE PLOTTED => 20-DEC-2010 TIME PLOTTED => 08:20

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	25	38
<i>Arlene Frank</i> REGISTERED CIVIL ENGINEER DATE 9-30-10			01-10-11 PLANS APPROVAL DATE		
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NOTES: (APPLY TO THIS SHEET ONLY)

 Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.

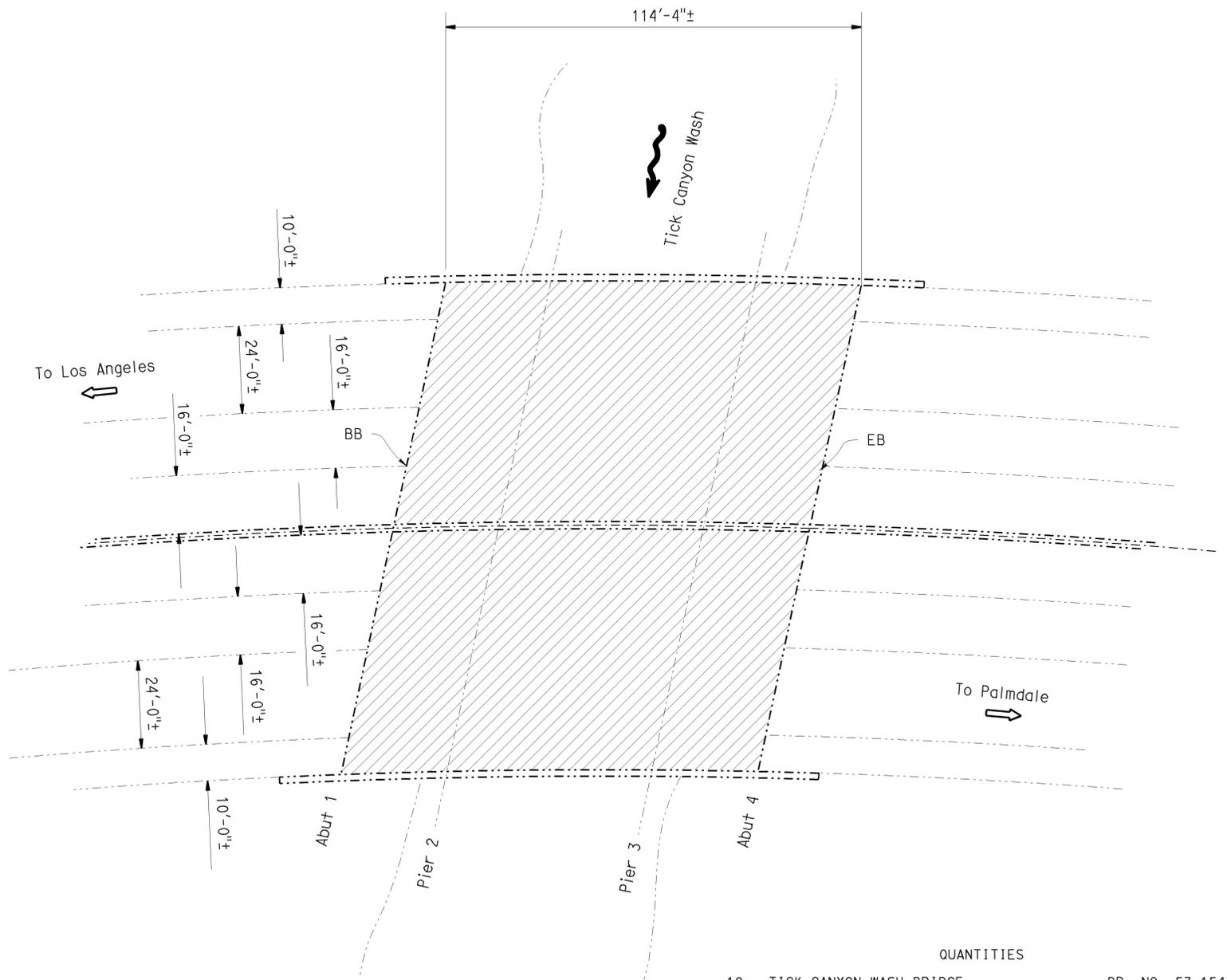


LOST CANYON ROAD UNDERCROSSING

Br No. 53-1621, ROUTE 14, 32.53
1" = 20'

QUANTITIES

09 - LOST CANYON ROAD UC	BR. NO. 53-1621
REMOVE UNSOUND CONCRETE	30 CF
CLEAN BRIDGE DECK	12,650 SQFT
RAPID SETTING CONCRETE (PATCH)	30 CF
TREAT BRIDGE DECK	12,650 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	150 GAL



TICK CANYON WASH

Br No. 53-1547, ROUTE 14, 35.34
1" = 20'

QUANTITIES

10 - TICK CANYON WASH BRIDGE	BR. NO. 53-1547
REMOVE UNSOUND CONCRETE	40 CF
CLEAN BRIDGE DECK	15,100 SQFT
RAPID SETTING CONCRETE (PATCH)	40 CF
TREAT BRIDGE DECK	15,100 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	180 GAL

Matthew Cole
DESIGN ENGINEER 9-30-10

DESIGN	BY A. Frank	CHECKED H. Kuntz
DETAILS	BY David Kish	CHECKED H. Kuntz
QUANTITIES	BY A. Frank	CHECKED H. Kuntz

LAYOUT	BY David Kish	CHECKED H. Kuntz
SPECIFICATIONS	BY K. Ellingson	PLANS AND SPECIFICATIONS COMPARED K. Ellingson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

**ROUTE 14 BRIDGES
GENERAL PLAN NO. 6**

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 07
EA 3y6701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	6-01-10	8-02-10							
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SHEET 6 OF 19

DATE PLOTTED => 20-DEC-2010 USERNAME => QK150 TIME PLOTTED => 08:21

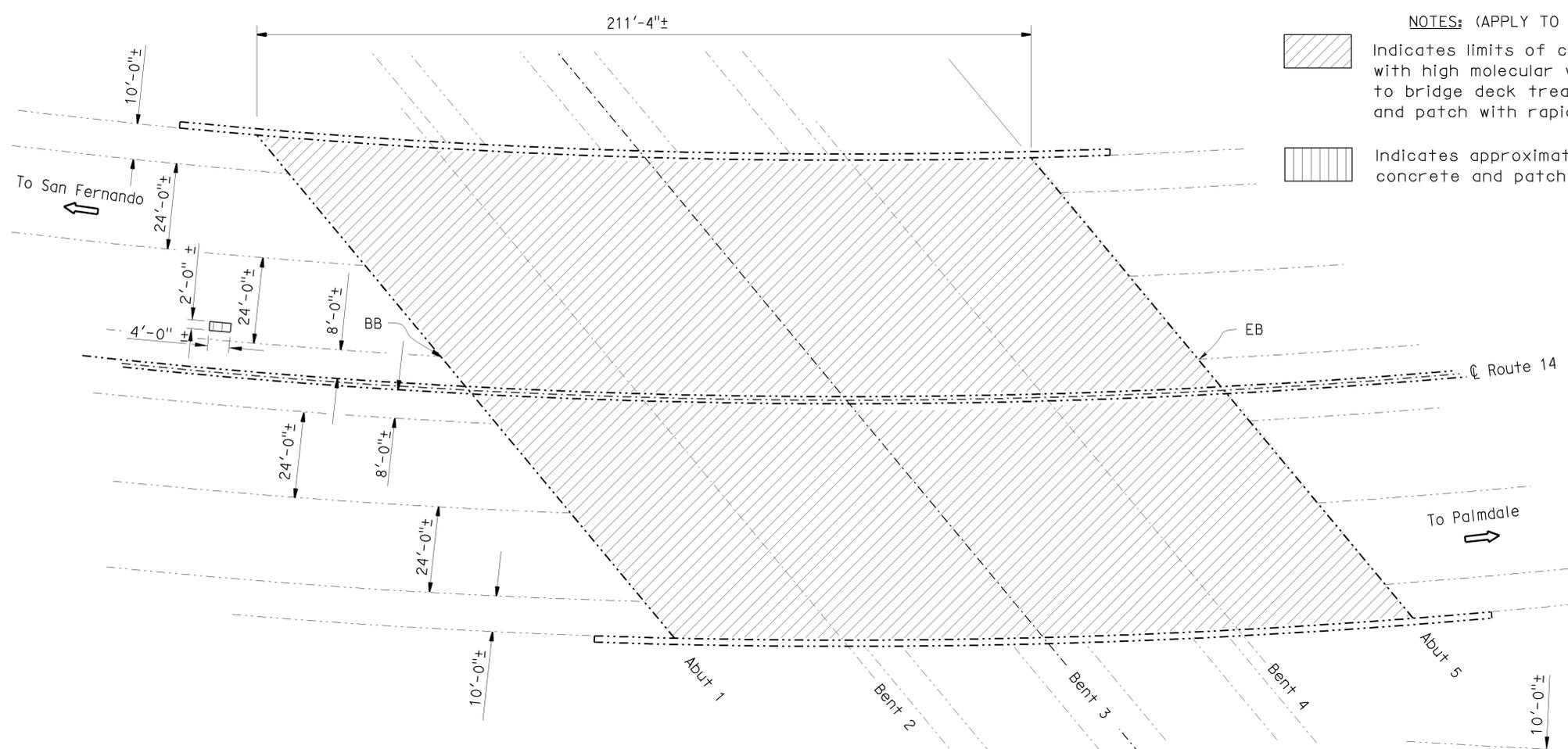
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	26	38

Arlene Frank 9-30-10
 REGISTERED CIVIL ENGINEER DATE

01-10-11
 PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
ARLENE FRANK
 No. C 55562
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

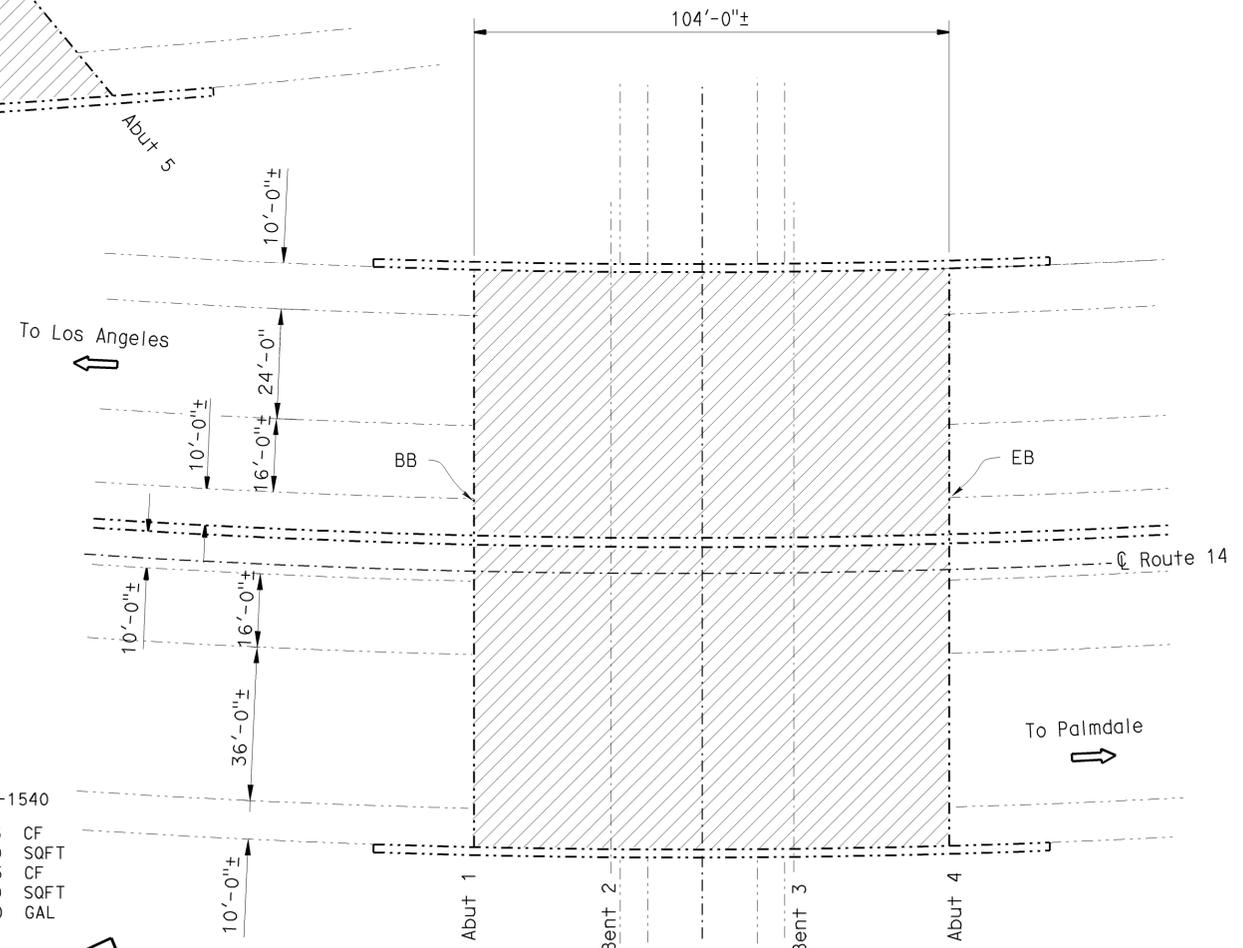


SOLEDAD CANYON ROAD UNDERCROSSING

Br No. 53-1549, ROUTE 14, 35.71
1" = 20'

QUANTITIES

11 - SOLEDAD CANYON ROAD UC	BR. NO. 53-1549
REMOVE UNSOUND CONCRETE	70 CF
CLEAN BRIDGE DECK	27,900 SQFT
RAPID SETTING CONCRETE (PATCH)	70 CF
TREAT BRIDGE DECK	27,900 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	330 GAL



SPRING CANYON ROAD UNDERCROSSING

Br No. 53-1540, ROUTE 14, 36.54
1" = 20'

QUANTITIES

12 - SPRING CANYON ROAD UC	BR. NO. 53-1540
REMOVE UNSOUND CONCRETE	35 CF
CLEAN BRIDGE DECK	13,730 SQFT
RAPID SETTING CONCRETE (PATCH)	35 CF
TREAT BRIDGE DECK	13,730 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	160 GAL




 DESIGN ENGINEER 9-30-10

DESIGN	BY A. Frank	CHECKED H. Kuntz	LAYOUT	BY David Kish	CHECKED H. Kuntz
DETAILS	BY David Kish	CHECKED H. Kuntz	SPECIFICATIONS	BY K. Ellingson	CHECKED H. Kuntz
QUANTITIES	BY A. Frank	CHECKED H. Kuntz			

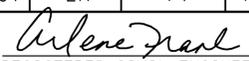
PLANS AND SPECIFICATIONS COMPARED
 K. Ellingson

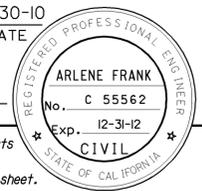
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
 POST MILE VARIES

ROUTE 14 BRIDGES
GENERAL PLAN NO. 7

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	27	38
 REGISTERED CIVIL ENGINEER			9-30-10	DATE	
01-10-11 PLANS APPROVAL DATE					
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NOTES: (APPLY TO THIS SHEET ONLY)



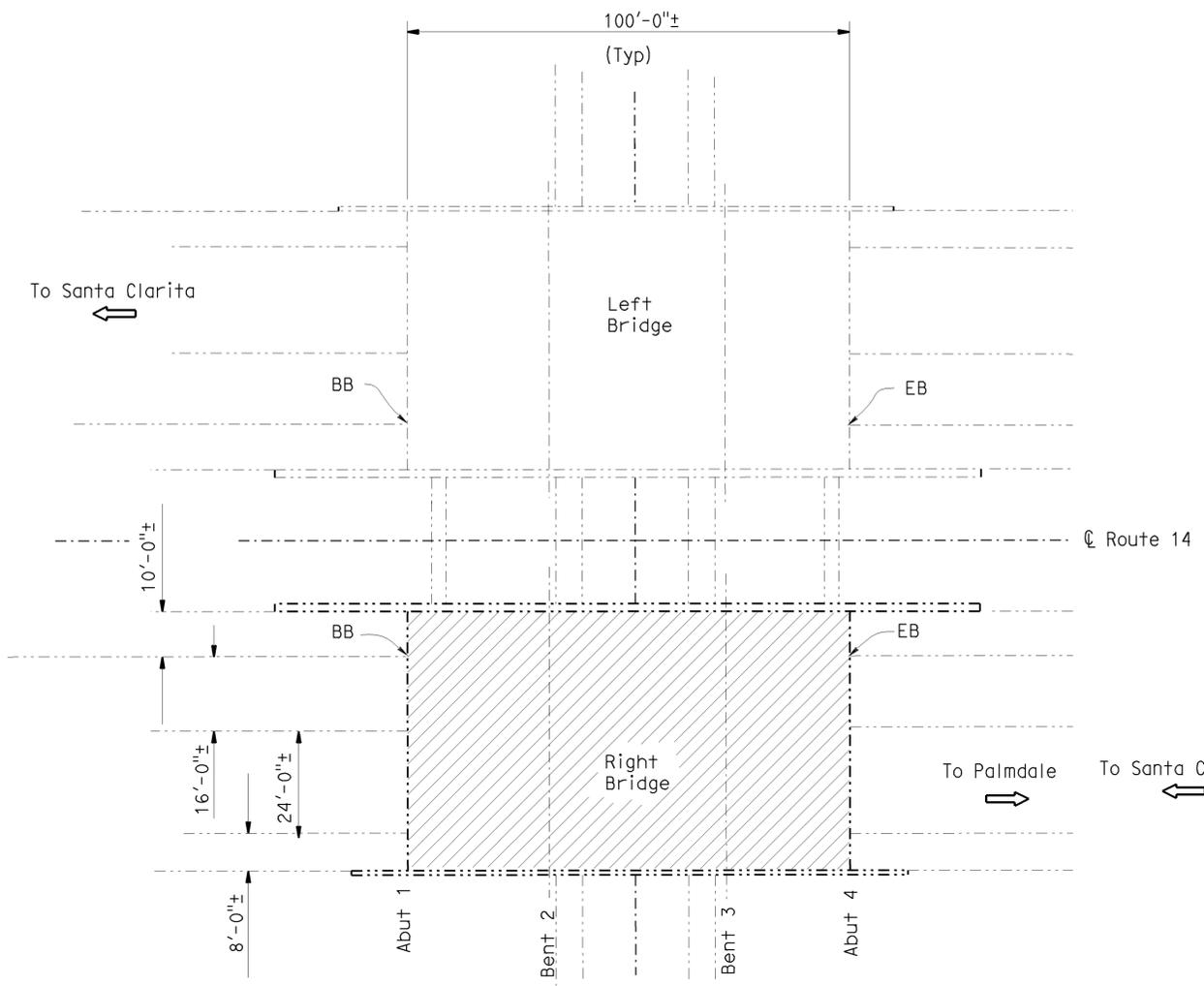
Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.



Indicates limits of prepare bridge deck, remove 1" concrete deck surface, furnish and place 1" depth polyester concrete overlay. Prior to place new polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete as shown on "DECK REPAIR DETAIL-OVERLAY" on "DECK REPAIR DETAILS" sheet.



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



PURITAN MINE ROAD UNDERCROSSING

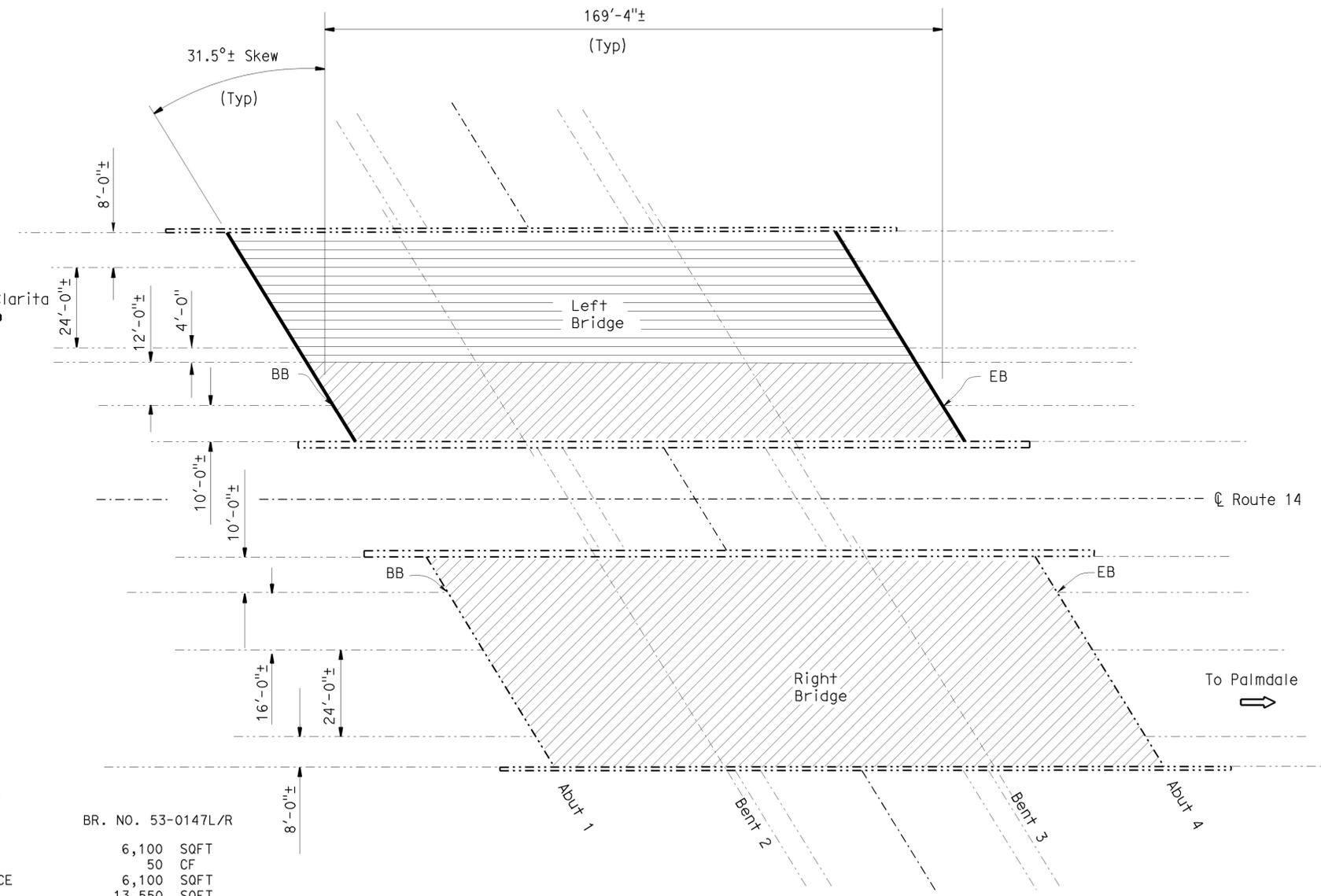
Br No. 53-1545R, ROUTE 14, 45.73
1" = 20'

QUANTITIES

13 - PURITAN MINE ROAD UC	BR. NO. 53-1545R
REMOVE UNSOUND CONCRETE	15 CF
CLEAN BRIDGE DECK	5,830 SQFT
RAPID SETTING CONCRETE (PATCH)	15 CF
TREAT BRIDGE DECK	5,830 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	70 GAL

QUANTITIES

14 - RED ROVER MINE ROAD UC	BR. NO. 53-0147L/R
REMOVE CONCRETE DECK SURFACE	6,100 SQFT
REMOVE UNSOUND CONCRETE	50 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	6,100 SQFT
CLEAN BRIDGE DECK	13,550 SQFT
CLEAN EXPANSION JOINT	136 LF
RAPID SETTING CONCRETE (PATCH)	50 CF
FURNISH POLYESTER CONCRETE OVERLAY	610 CF
PLACE POLYESTER CONCRETE OVERLAY	6,100 SQFT
JOINT SEAL (MR 1")	136 LF
TREAT BRIDGE DECK	13,550 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	160 GAL



RED ROVER MINE ROAD UNDERCROSSING

Br No. 53-0147R/L, ROUTE 14, R47.34
1" = 20'


DESIGN ENGINEER

DESIGN	BY A. Frank	CHECKED H. Kuntz
DETAILS	BY David Kish	CHECKED H. Kuntz
QUANTITIES	BY A. Frank	CHECKED H. Kuntz

LAYOUT	BY David Kish	CHECKED H. Kuntz
SPECIFICATIONS	BY K. Ellingson	CHECKED K. Ellingson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

**ROUTE 14 BRIDGES
GENERAL PLAN NO. 8**

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 07
EA 3y6701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	5-01-10	8-02-10	9-14-10						
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SHEET 8 OF 19

DATE PLOTTED => 20-DEC-2010 USERNAME => gk150 TIME PLOTTED => 08:21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	28	38

Arlene Frank 9-30-10
 REGISTERED CIVIL ENGINEER DATE

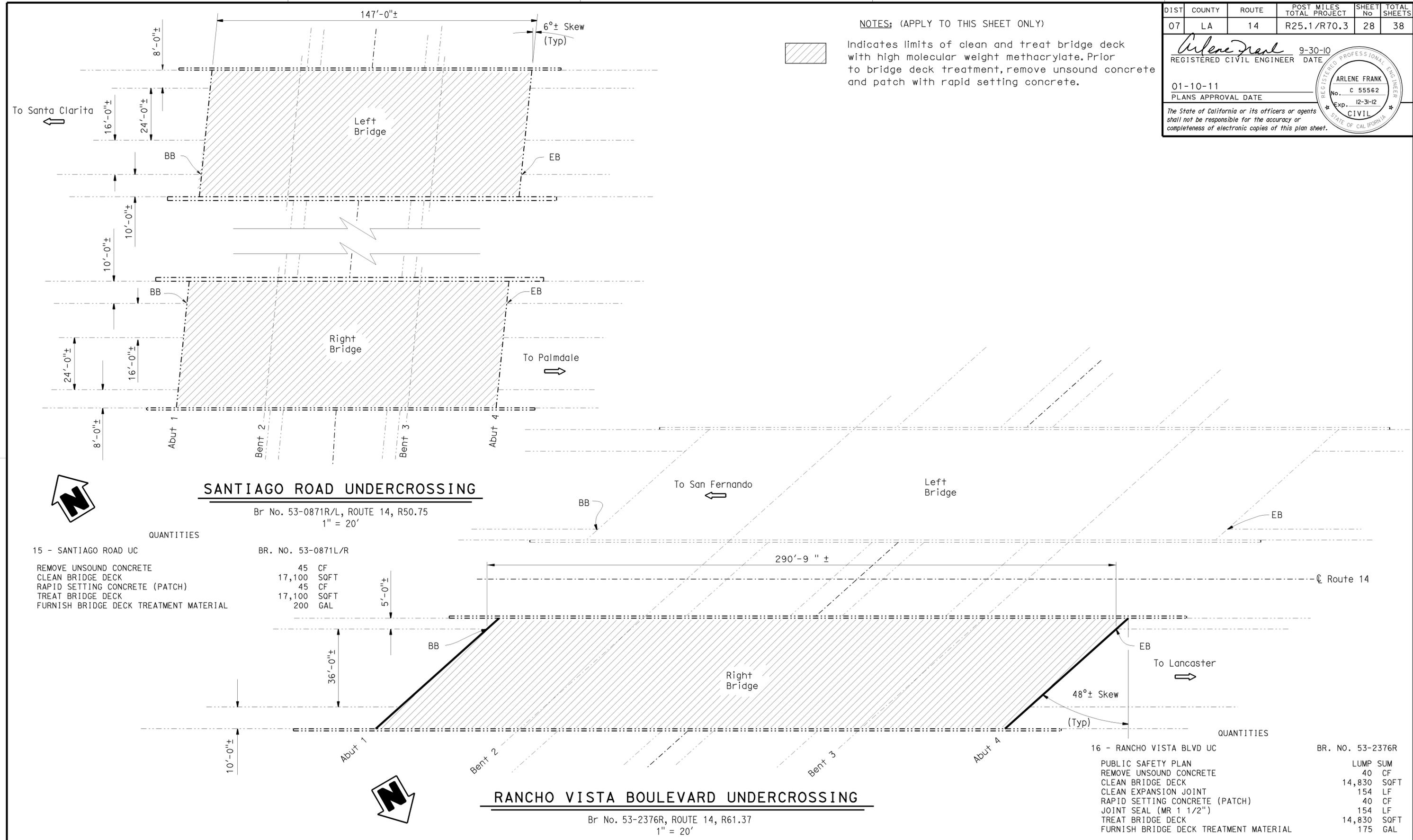
01-10-11
 PLANS APPROVAL DATE

Arlene Frank
 REGISTERED PROFESSIONAL ENGINEER
 No. C 55562
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

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NOTES: (APPLY TO THIS SHEET ONLY)

 Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.



SANTIAGO ROAD UNDERCROSSING

Br No. 53-0871R/L, ROUTE 14, R50.75
 1" = 20'

QUANTITIES

15 - SANTIAGO ROAD UC

- REMOVE UNSOUND CONCRETE 45 CF
- CLEAN BRIDGE DECK 17,100 SQFT
- RAPID SETTING CONCRETE (PATCH) 45 CF
- TREAT BRIDGE DECK 17,100 SQFT
- FURNISH BRIDGE DECK TREATMENT MATERIAL 200 GAL

BR. NO. 53-0871L/R

RANCHO VISTA BOULEVARD UNDERCROSSING

Br No. 53-2376R, ROUTE 14, R61.37
 1" = 20'

16 - RANCHO VISTA BLVD UC

- BR. NO. 53-2376R
- LUMP SUM
- PUBLIC SAFETY PLAN 40 CF
 - REMOVE UNSOUND CONCRETE 14,830 SQFT
 - CLEAN BRIDGE DECK 154 LF
 - CLEAN EXPANSION JOINT 40 CF
 - RAPID SETTING CONCRETE (PATCH) 154 LF
 - JOINT SEAL (MR 1 1/2") 154 LF
 - TREAT BRIDGE DECK 14,830 SQFT
 - FURNISH BRIDGE DECK TREATMENT MATERIAL 175 GAL

Matthew Lee
 DESIGN ENGINEER 9-30-10

DESIGN	BY A. Frank	CHECKED H. Kuntz
DETAILS	BY David Kish	CHECKED H. Kuntz
QUANTITIES	BY A. Frank	CHECKED H. Kuntz

LAYOUT	BY David Kish	CHECKED H. Kuntz
SPECIFICATIONS	BY K. Ellingson	CHECKED H. Kuntz

PLANS AND SPECIFICATIONS COMPARED	BY K. Ellingson	CHECKED K. Ellingson
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STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 14 BRIDGES
GENERAL PLAN NO. 9

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 07
 EA 3y6701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
5-11-10 8-10-10 9-14-10	9	19

FILE => 07-3y6701_09gp.dgn

DATE PLOTTED => 20-DEC-2010 USERNAME => gk150

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	29	38

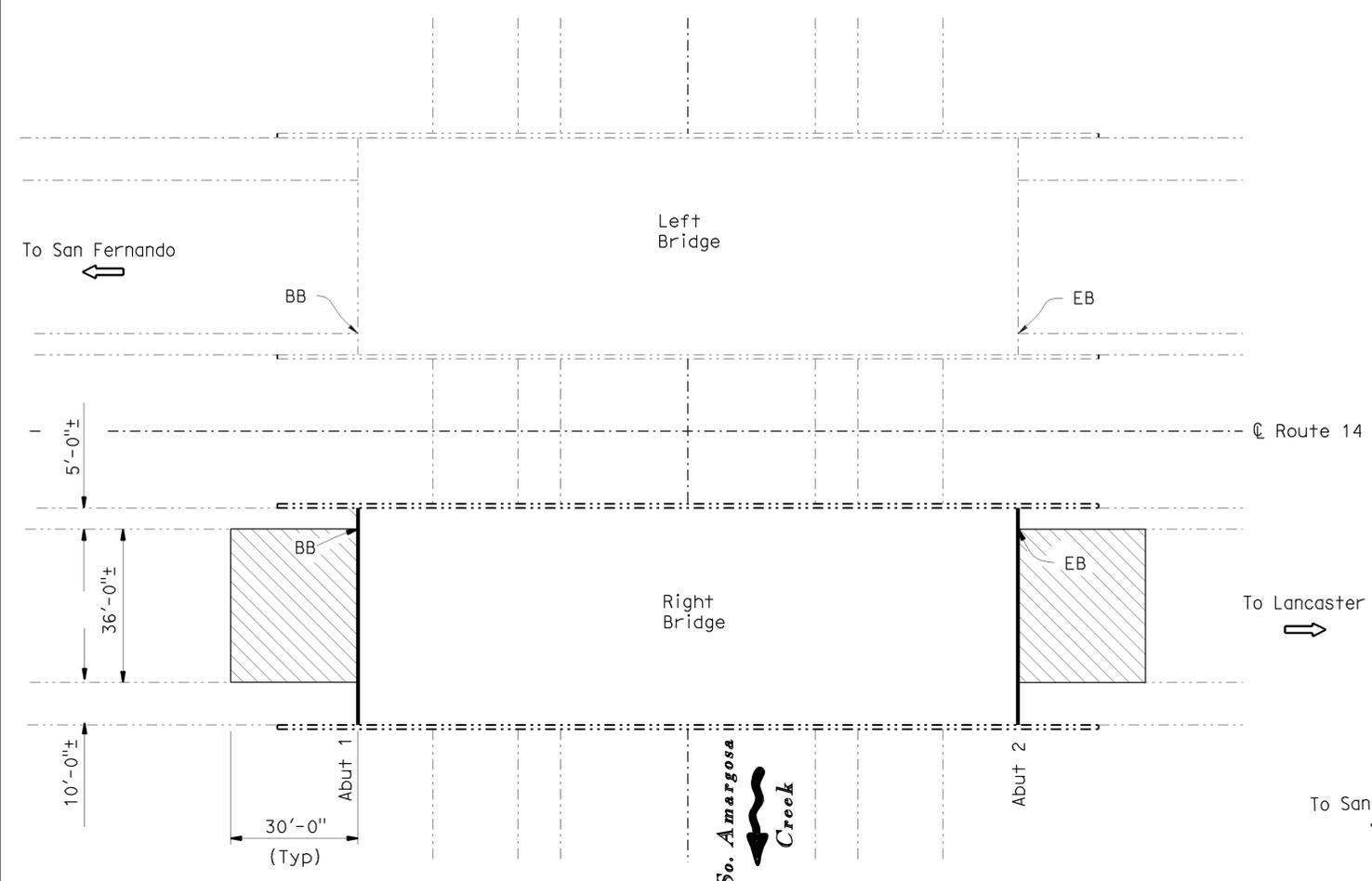
Arlene Frank 9-30-10
 REGISTERED CIVIL ENGINEER DATE

01-10-11
 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.

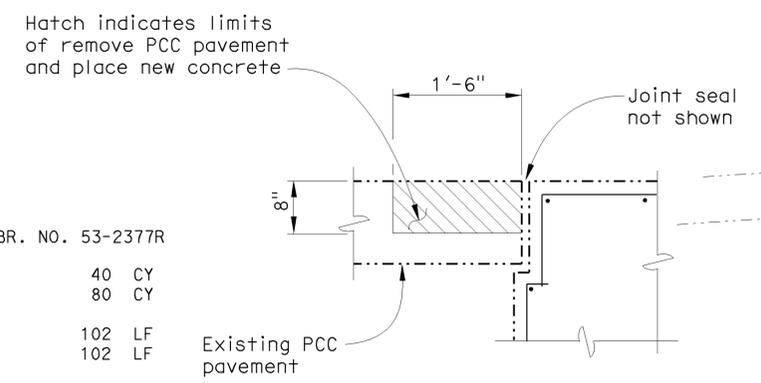
REGISTERED PROFESSIONAL ENGINEER
 ARLENE FRANK
 No. C 55562
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

- NOTES: (APPLY TO THIS SHEET ONLY)
-  Indicates limits of identify and remove unsound concrete and patch with rapid setting concrete. For details see "DECK REPAIR DETAILS" sheet.
 -  Indicates limits of remove existing approach slab and place new STRUCTURE APPROACH TYPE R(30D)
 -  Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.
 -  Indicates location of remove PCC approach and place new concrete, for details see "SECTION A-A".



SOUTH ARMAGOSA CREEK

Br No. 53-2377R, ROUTE 14, R61.53
1" = 20'



SECTION A-A

NO SCALE

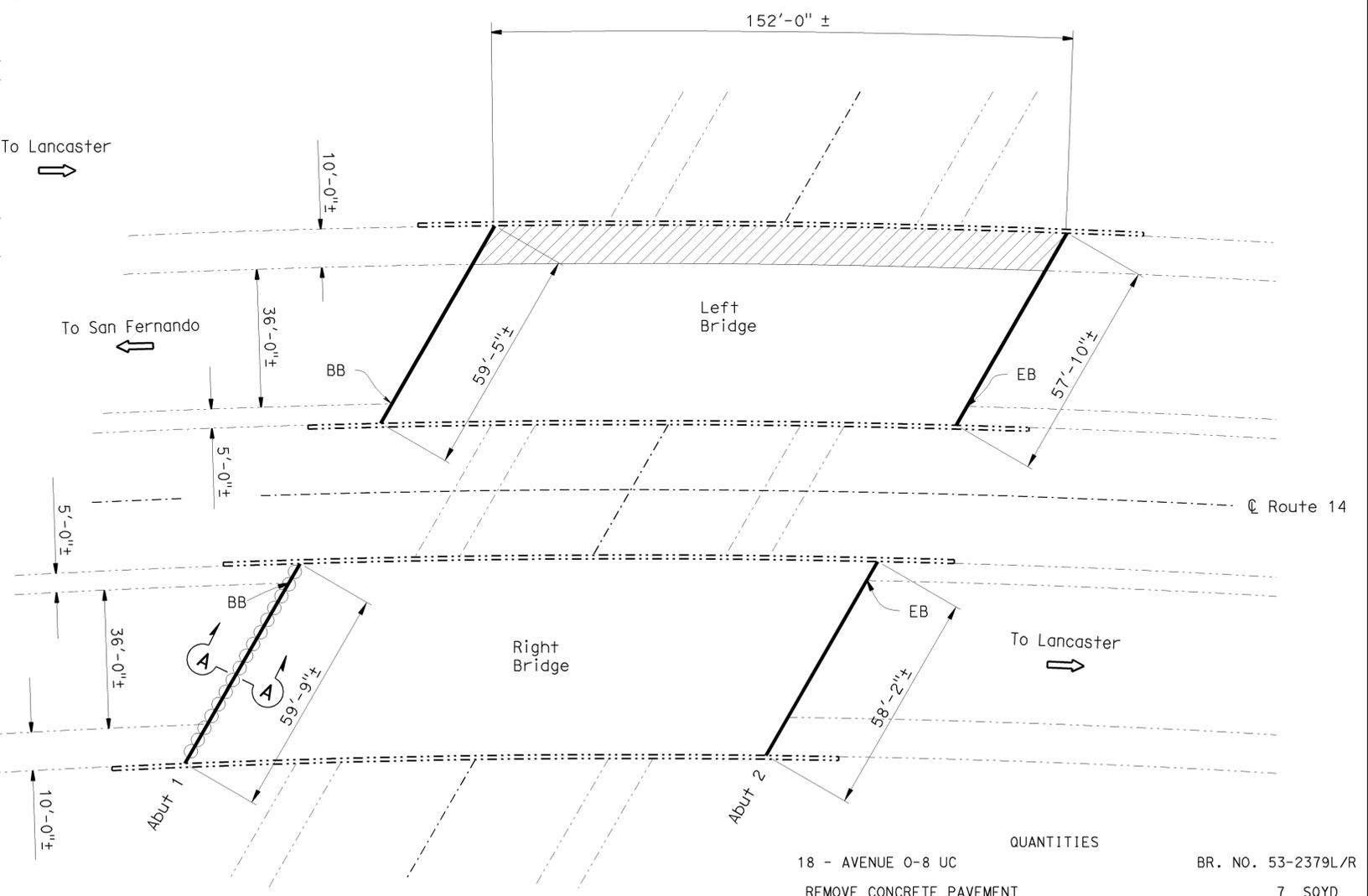
QUANTITIES

17 - SOUTH ARMAGOSA CREEK BRIDGE

AGGREGATE BASE (APPROACH SLAB)	40	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	80	CY
CLEAN EXPANSION JOINT	102	LF
JOINT SEAL (MR 1")	102	LF

BR. NO. 53-2377R

DESIGN	BY A. Frank	CHECKED H. Kuntz
DETAILS	BY David Kish	CHECKED H. Kuntz
QUANTITIES	BY A. Frank	CHECKED H. Kuntz



AVENUE 0-8 UNDERCROSSING

Br No. 53-2379R/L, ROUTE 14, R62.12
1" = 20'

QUANTITIES

18 - AVENUE 0-8 UC

REMOVE CONCRETE PAVEMENT	7	SOYD
REMOVE UNSOUND CONCRETE	5	CF
CONCRETE PAVEMENT	3	CY
CLEAN EXPANSION JOINT	177	LF
RAPID SETTING CONCRETE (PATCH)	5	CF
JOINT SEAL (MR 1/2")	60	LF
JOINT SEAL (MR 1")	59	LF
JOINT SEAL (MR 1 1/2")	118	LF


 DESIGN ENGINEER 9-30-10

DESIGN	BY A. Frank	CHECKED H. Kuntz	LAYOUT	BY David Kish	CHECKED H. Kuntz
DETAILS	BY David Kish	CHECKED H. Kuntz	SPECIFICATIONS	BY K. Ellingson	CHECKED H. Kuntz
QUANTITIES	BY A. Frank	CHECKED H. Kuntz			

PLANS AND SPECIFICATIONS COMPARED
 K. Ellingson

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
 POST MILE VARIES

ROUTE 14 BRIDGES

GENERAL PLAN NO. 10

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

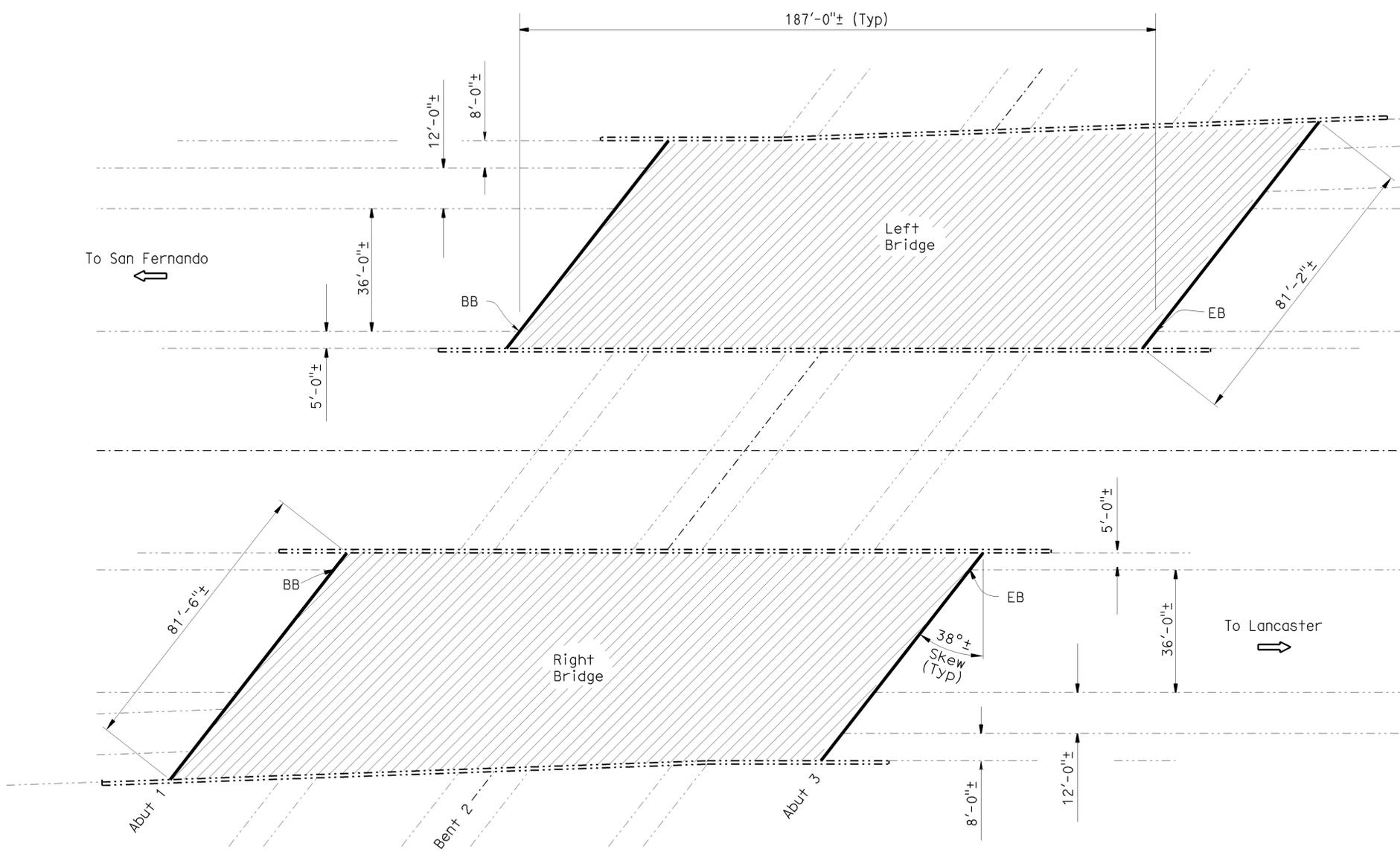
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

CU 07
EA 3y6701

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 10 OF 19
	6-01-10 8-02-10 9-14-10	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	30	38
<i>Arlene Frank</i> REGISTERED CIVIL ENGINEER			9-30-10 DATE		
01-10-11			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>					



NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.

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



AVENUE K UNDERCROSSING
 Br No. 53-2381R/L, ROUTE 14, R66.73
 1" = 20'

QUANTITIES

19 - AVENUE K UC	BR. NO. 53-2381L/R
REMOVE UNSOUND CONCRETE	60 CF
CLEAN BRIDGE DECK	23,550 SQFT
CLEAN EXPANSION JOINT	318 LF
RAPID SETTING CONCRETE (PATCH)	60 CF
JOINT SEAL (MR 1")	318 LF
TREAT BRIDGE DECK	23,550 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	280 GAL

Matthew W. Lee
 DESIGN ENGINEER
 9-30-10

DESIGN	BY A. Frank	CHECKED H. Kuntz
DETAILS	BY David Kish	CHECKED H. Kuntz
QUANTITIES	BY A. Frank	CHECKED H. Kuntz

LAYOUT	BY David Kish	CHECKED H. Kuntz
SPECIFICATIONS	BY K. Ellingson	CHECKED K. Ellingson

PLANS AND SPECIFICATIONS COMPARED
 K. Ellingson

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	53-2381 R/L
POST MILE	R66.73

ROUTE 14 BRIDGES
 GENERAL PLAN NO. 11

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 07
 EA 3y6701

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 11 OF 19
	6-01-10 8-02-10 9-14-10	

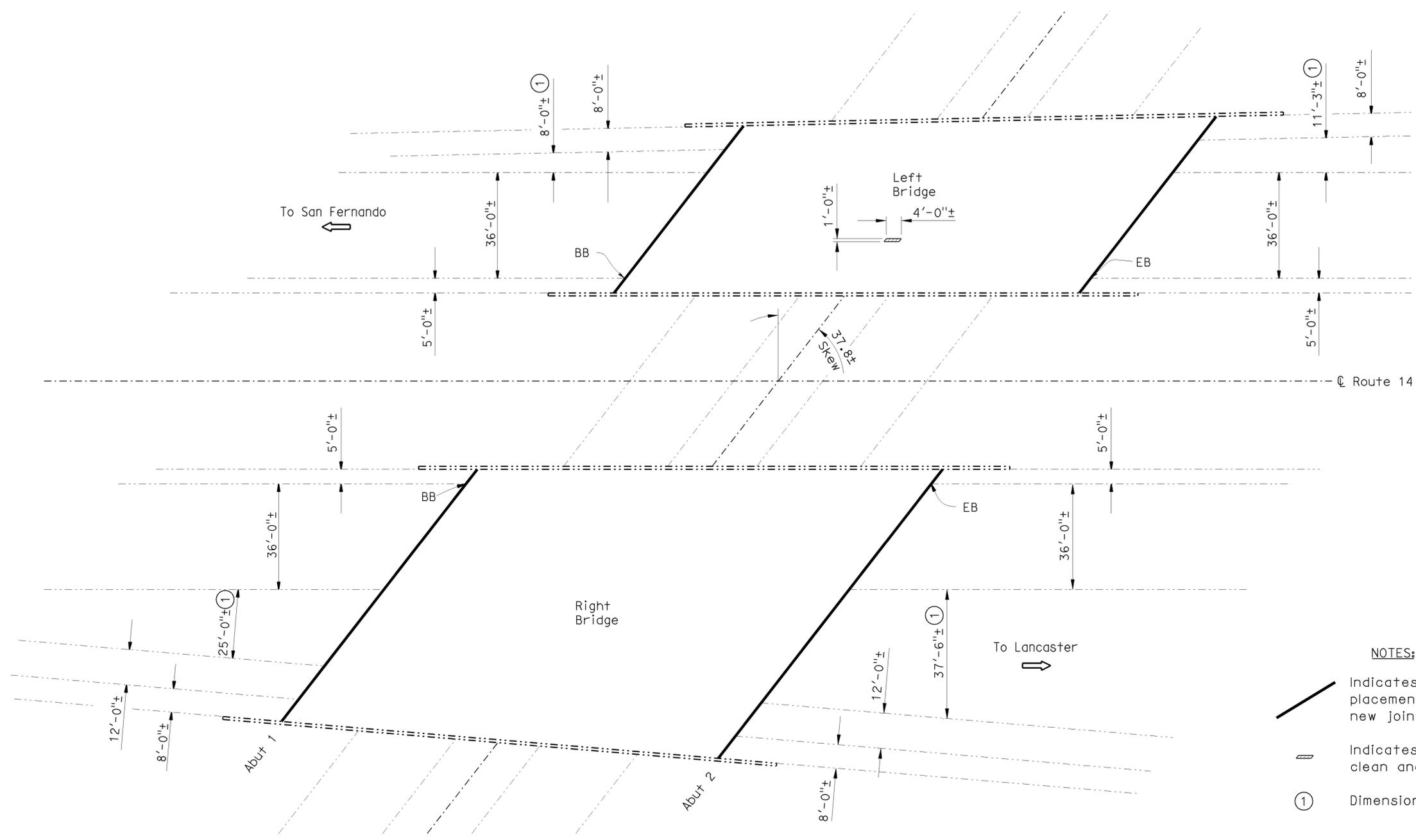
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	31	38

Arlene Frank
 REGISTERED CIVIL ENGINEER DATE 9-30-10

01-10-11
 PLANS APPROVAL DATE

ARLENE FRANK
 No. C 55562
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

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- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.
 - Indicates approximate location of remove unsound concrete, clean and patch with rapid set concrete.
 - Dimension shown measured at the joint.

AVENUE J-8 UNDERCROSSING
 Br No. 53-2382R/L, ROUTE 14, R67.37
 1" = 20'

QUANTITIES

20 - AVENUE J-8	BR. NO. 53-2382L/R
REMOVE UNSOUND CONCRETE	2 CF
CLEAN EXPANSION JOINT	385 LF
RAPID SETTING CONCRETE (PATCH)	2 CF
JOINT SEAL (MR 1")	150 LF
JOINT SEAL (MR 1 1/2")	235 LF

<i>Matthew Lee</i> DESIGN ENGINEER	DESIGN BY A. Frank	CHECKED H. Kuntz	LAYOUT BY David Kish	CHECKED H. Kuntz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. 53-2382 R/L	ROUTE 14 BRIDGES GENERAL PLAN NO. 12
	DETAILS BY David Kish	CHECKED H. Kuntz	SPECIFICATIONS BY K. Ellingson	CHECKED H. Kuntz			POST MILE R67.37	
QUANTITIES BY A. Frank	CHECKED H. Kuntz				CU 07 EA 3y6701		REVISION DATES	SHEET 12 OF 19

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

DATE PLOTTED => 20-DEC-2010 08:22 USERNAME => gk150

FILE => 07-3y6701_12gp.dgn

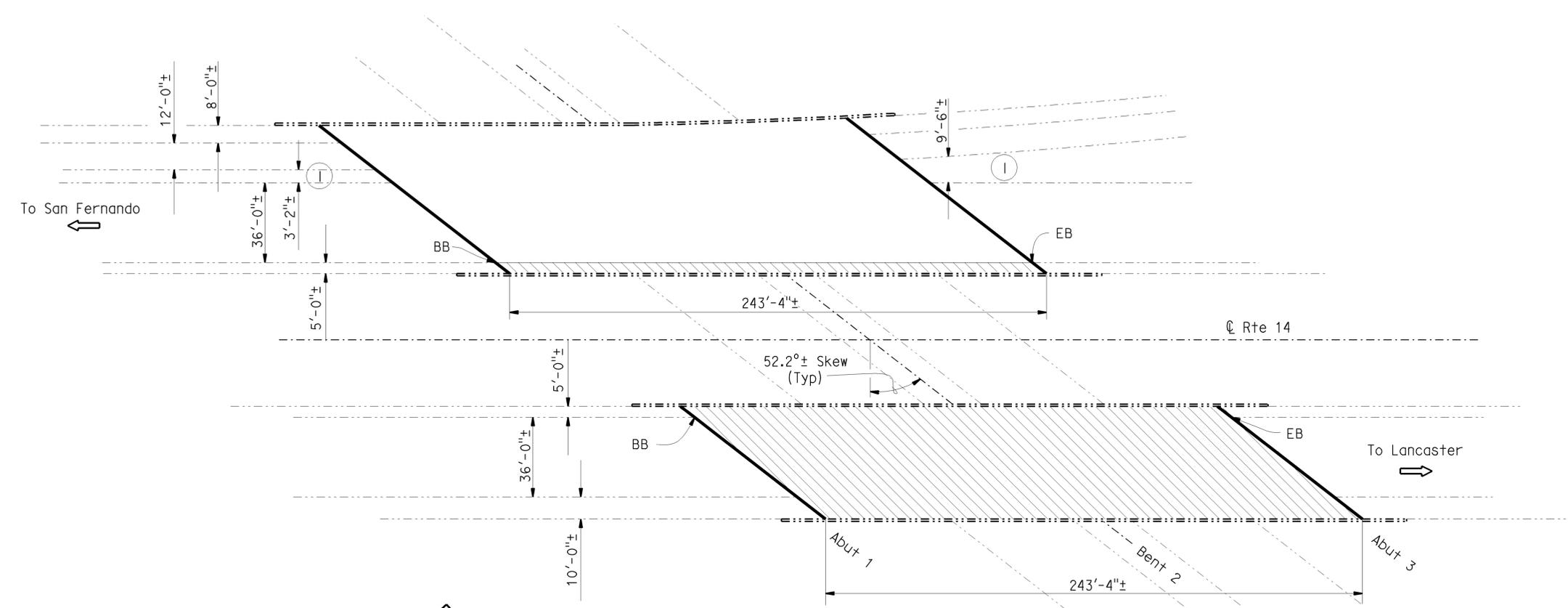
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	32	38
<i>Arlene Frank</i> REGISTERED CIVIL ENGINEER			9-30-10 DATE		
01-10-11 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					

NOTES: (APPLY TO THIS SHEET ONLY)

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

Indicates limits of identify and remove unsound concrete and patch with rapid set concrete; for details see "DECK REPAIR DETAILS" sheet.

Dimension shown measured at the bridge joint.



20TH STREET WEST UNDERCROSSING

Br No. 53-2383R/L, ROUTE 14, R67.48
1" = 30'

QUANTITIES

21 - 20TH STREET WEST UC	BR. NO. 53-2383L/R
REMOVE UNSOUND CONCRETE	68 CF
CLEAN EXPANSION JOINT	388 LF
RAPID SETTING CONCRETE (PATCH)	68 CF
JOINT SEAL (MR 1 1/2")	166 LF
JOINT SEAL (MR 2")	222 LF

 DESIGN ENGINEER 9-30-10	DESIGN BY A. Frank	CHECKED H. Kuntz	LAYOUT BY David Kish	CHECKED H. Kuntz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. 53-2383R/L	ROUTE 14 BRIDGES GENERAL PLAN NO. 13	
	DETAILS BY David Kish	CHECKED H. Kuntz	BY K. Ellingson	PLANS AND SPECIFICATIONS COMPARED K. Ellingson			POST MILE R67.48		
QUANTITIES BY A. Frank	CHECKED H. Kuntz	SPECIFICATIONS			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 07601 EA 3y6701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 6-01-10 7-22-10 8-02-10	SHEET 13 OF 19

DATE PLOTTED => 20-DEC-2010 USERNAME => gk150 TIME PLOTTED => 08:22

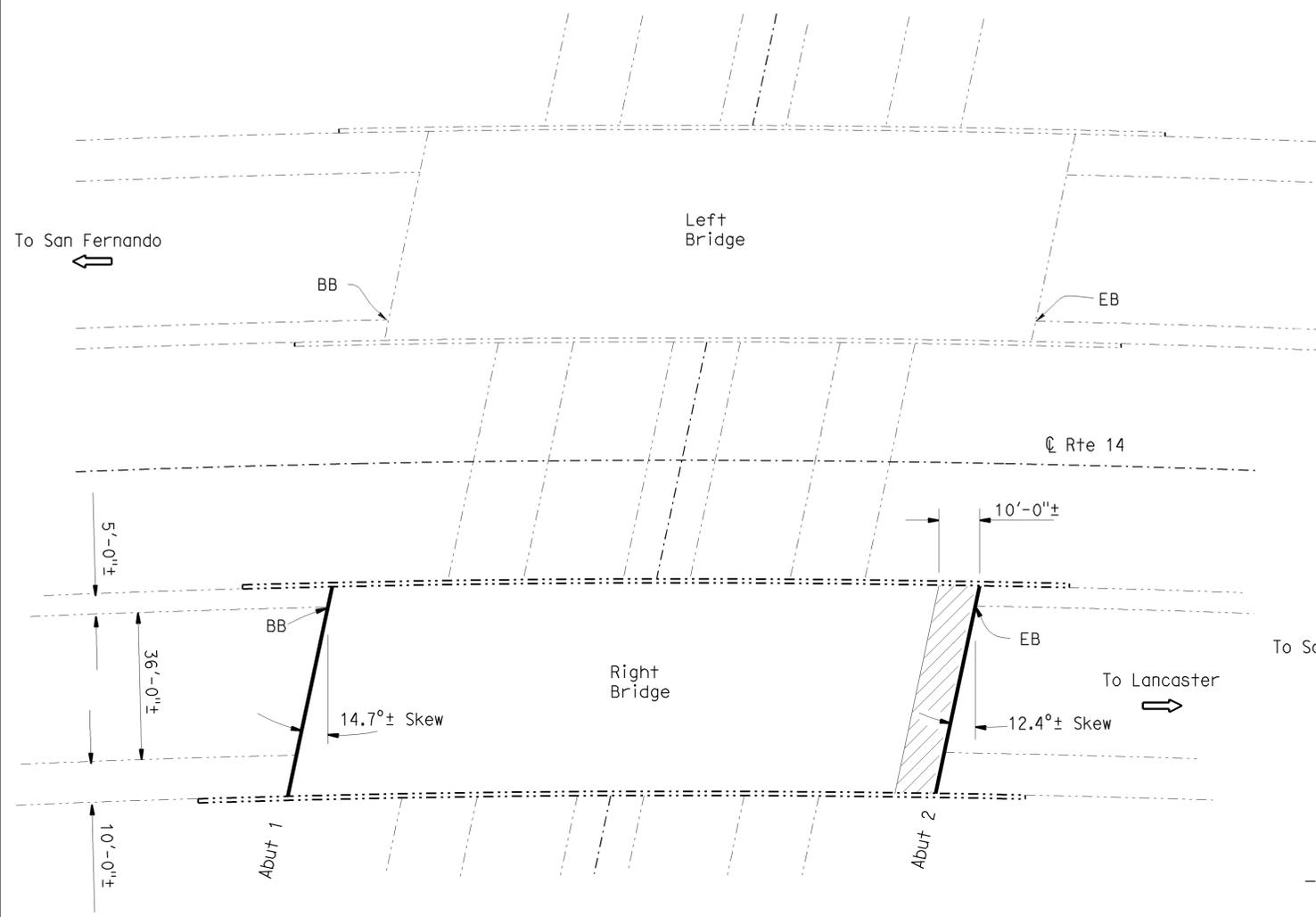
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	33	38

Arlene Frank 9-30-10
 REGISTERED CIVIL ENGINEER DATE
 01-10-11
 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
ARLENE FRANK
 No. C 55562
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

NOTES: (APPLY TO THIS SHEET ONLY)

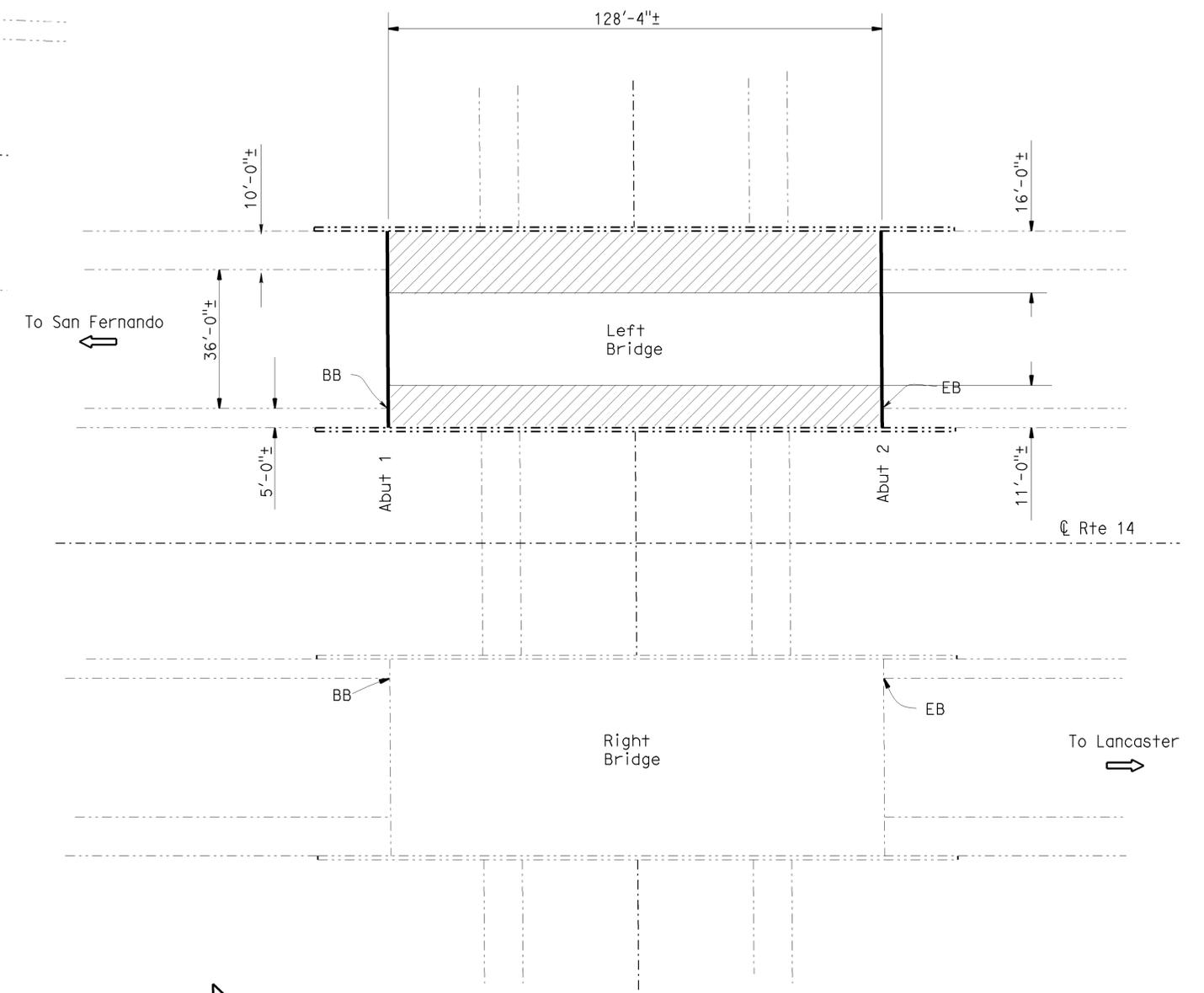
- Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.
- Indicates limits of identify and remove unsound concrete and patch with rapid set concrete; for details see "DECK REPAIR DETAILS" sheet.



AVENUE J UNDERCROSSING
 Br No. 53-2384R, ROUTE 14, R67.95
 1" = 20'

QUANTITIES

22 - AVENUE J UC	BR. NO. 53-2384R
REMOVE UNSOUND CONCRETE	20 CF
CLEAN EXPANSION JOINT	105 LF
RAPID SETTING CONCRETE (PATCH)	20 CF
JOINT SEAL (MR 1")	53 LF
JOINT SEAL (MR 2")	52 LF



LANCASTER BOULEVARD UNDERCROSSING
 Br No. 53-2385L, ROUTE 14, R68.46
 1" = 20'

QUANTITIES

23 - LANCASTER BLVD UC	BR. NO. 53-2385L
REMOVE UNSOUND CONCRETE	100 CF
CLEAN EXPANSION JOINT	102 LF
RAPID SETTING CONCRETE (PATCH)	100 CF
JOINT SEAL (MR 1")	102 LF

Matthew C. Lee
 DESIGN ENGINEER 9-30-10

DESIGN	BY A. Frank	CHECKED H. Kuntz
DETAILS	BY David Kish	CHECKED H. Kuntz
QUANTITIES	BY A. Frank	CHECKED H. Kuntz

LAYOUT	BY David Kish	CHECKED H. Kuntz
SPECIFICATIONS	BY K. Ellingson	CHECKED H. Kuntz

PLANS AND SPECIFICATIONS COMPARED	BY K. Ellingson	CHECKED H. Kuntz
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STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

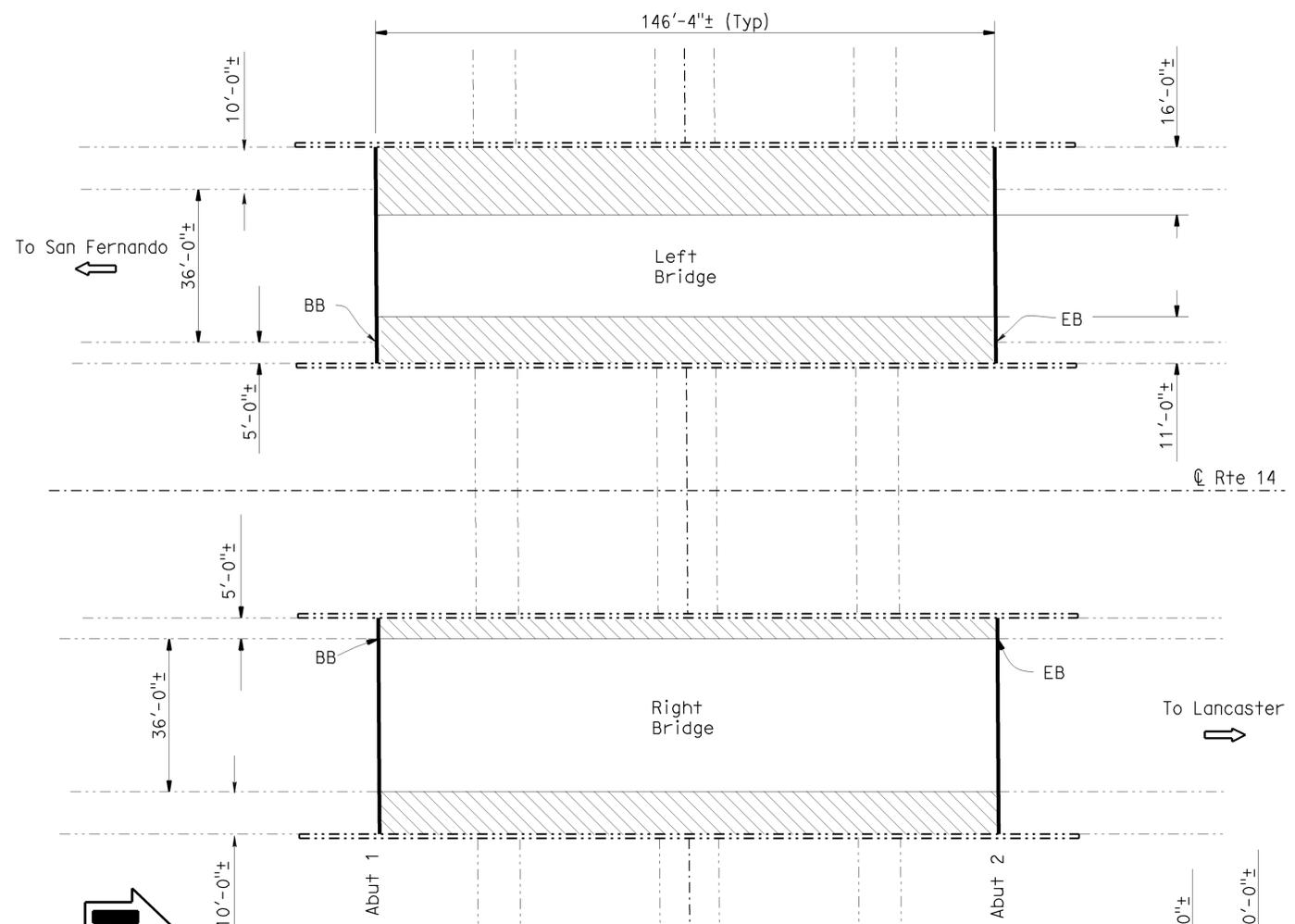
BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 14 BRIDGES
 GENERAL PLAN NO. 14

DATE PLOTTED => 20-DEC-2010 USERNAME => gk150

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	34	38

Arlene Frank
 REGISTERED CIVIL ENGINEER DATE 9-30-10
 PLANS APPROVAL DATE 01-10-11
 No. C 55562
 Exp. 12-31-12
 CIVIL
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.
 - Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.
 - Indicates limits of identify and remove unsound concrete and patch with rapid set concrete; for details see "DECK REPAIR DETAILS" sheet.
 - Dimension shown measured at the bridge joint.
 - Indicates limits of remove existing concrete and joint seal. Retain existing reinforcing and place new concrete and joint seal assembly.
 - "b" Reconstructed gap width as determined by the Engineer.

QUANTITIES

25 - AMARGOSA CREEK BRIDGE BR. NO. 53-2028L/R

REMOVE UNSOUND CONCRETE	85	CF
CLEAN BRIDGE DECK	33,000	SOFT
BRIDGE REMOVAL (PORTION)	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE	4	CY
CLEAN EXPANSION JOINT	250	LF
RAPID SETTING CONCRETE (PATCH)	85	CF
JOINT SEAL (MR 1")	168	LF
JOINT SEAL ASSEMBLY (MR 2 1/2")	41	LF
JOINT SEAL (MR 2")	41	LF
TREAT BRIDGE DECK	33,000	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	385	GAL

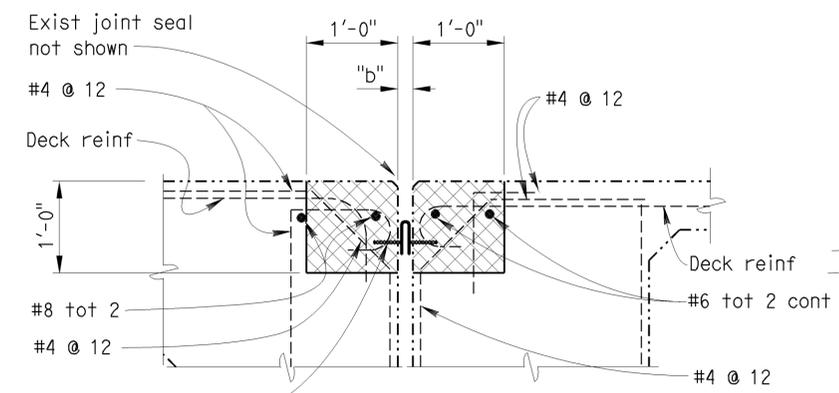
AVENUE I UNDERCROSSING

Br No. 53-2386R/L, ROUTE 14, R68.96
1" = 20'

QUANTITIES

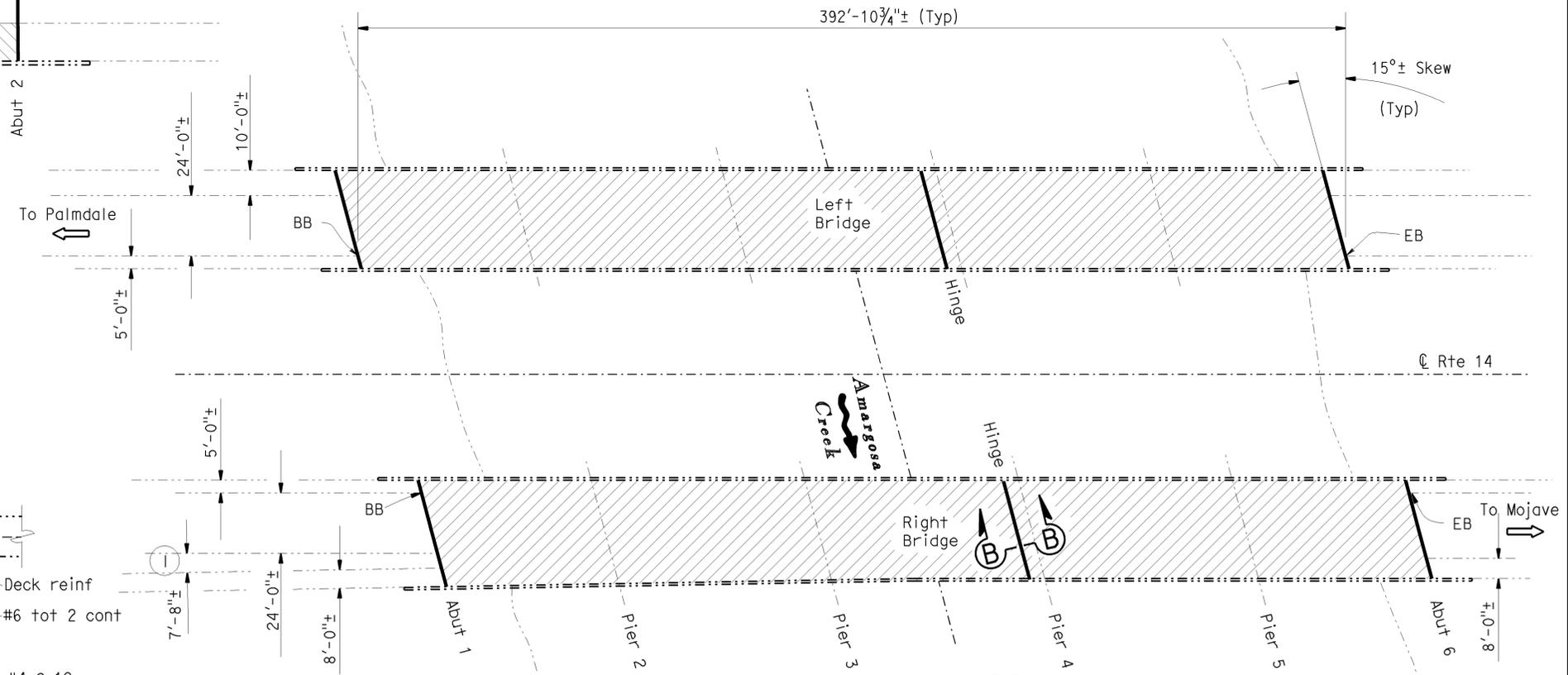
24 - AVENUE I UC BR. NO. 53-2386L/R

REMOVE UNSOUND CONCRETE	40	CF
CLEAN EXPANSION JOINT	204	LF
RAPID SETTING CONCRETE (PATCH)	40	CF
JOINT SEAL (MR 1")	204	LF



SECTION B-B

1" = 1'



AMARGOSA CREEK

Br No. 53-2028R/L, ROUTE 14, R70.27
1" = 30'

 DESIGN ENGINEER 9-30-10	DESIGN BY A. Frank	CHECKED H. Kuntz	LAYOUT BY David Kish	CHECKED H. Kuntz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTE 14 BRIDGES GENERAL PLAN NO. 15
	DETAILS BY David Kish	CHECKED H. Kuntz	BY K. Ellingson	PLANS AND SPECIFICATIONS COMPARED K. Ellingson		POST MILE VARIES	
	QUANTITIES BY A. Frank	CHECKED H. Kuntz				VARIES	

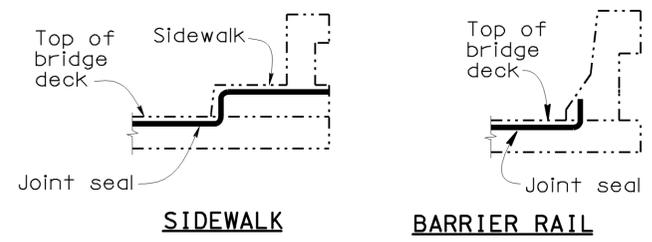
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
 CU 07601
 EA 3y6701
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES: 7-22-10, 7-27-10, 8-02-10, 9-14-10
 SHEET 15 OF 19
 USERNAME => gk150
 DATE PLOTTED => 20-DEC-2010
 TIME PLOTTED => 08:23

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	35	38

Arlene Frank
 REGISTERED CIVIL ENGINEER DATE 9-30-10
 No. C 55562
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

01-10-11
 PLANS APPROVAL DATE
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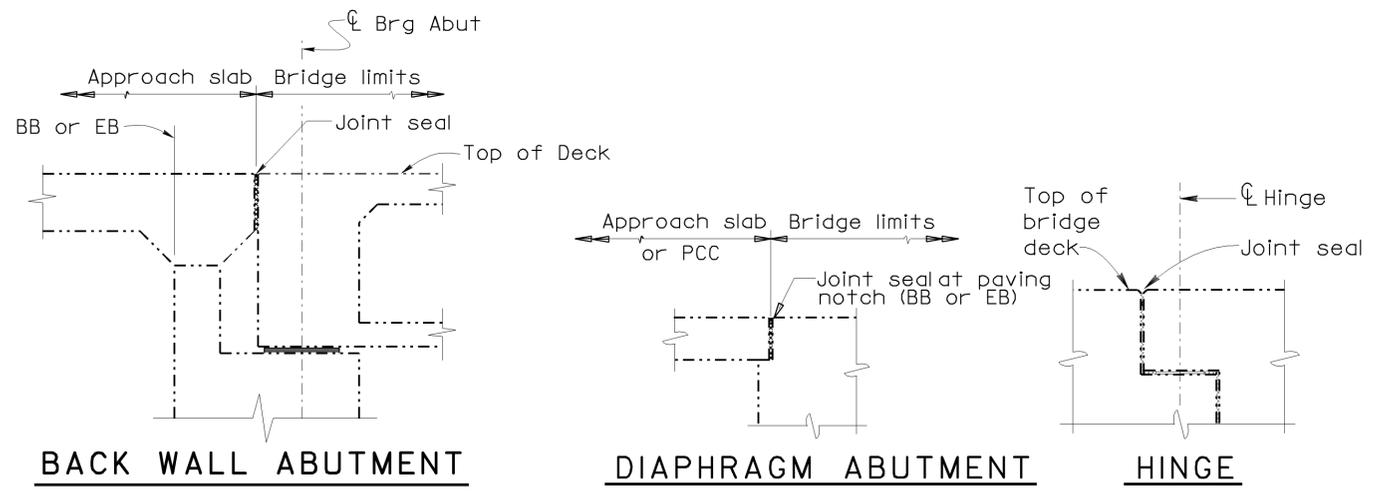
JOINT SEAL TABLE							
BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (In)	APPROXIMATE LENGTH (ft)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (In)
		Abutment	PN				
SIERRA HIGHWAY UNDERCROSSING	53-1936R	Abut 1	PN	1	105.0	NO	11.5
		Abut 4	PN	1	85.2	NO	11.5
SIERRA HIGHWAY UNDERCROSSING	53-1936F	Abut 1	PN	1 *	42.6	NO	11.5
		Abut 4	PN	1	39.0	NO	11.5
NEWHALL AVENUE UNDERCROSSING	53-2070	Abut 1	PN	1	153.1	NO	12.0
		Abut 2	PN	1	153.1	NO	12.0
LA AQUEDUCT UNDERCROSSING	53-2146	Abut 1 (EB)	PN	1 *	103.0	NO	12.0
		Abut 4 (EB)	PN	1 *	103.0	NO	12.0
CANYON PARK BOULEVARD	53-2167	Abut 1	PN	1 *	189.0	NO	11.5
		Abut 2	PN	1 *	186.3	NO	11.5
RED ROVER MINE ROAD UNDERCROSSING	53-0147L	Abut 1	PN	1	68.1	NO	12.0
		Abut 4	PN	1	68.1	NO	12.0
RANCHO VISTA BOULEVARD UNDERCROSSING	53-2376R	Abut 1	PN	1 1/2	76.2	NO	12.0
		Abut 4	PN	1 1/2	76.2	NO	12.0
SOUTH AMARGOSA CREEK	53-2377R	Abut 1	PN	1	51.0	NO	12.0
		Abut 2	PN	1	51.0	NO	12.0
AVENUE "O-8" UNDERCROSSING	53-2379R	Abut 1	PN	1 1/2 *	60.2	NO	-
		Abut 2	PN	1	58.4	NO	12.0
53-2379L	53-2379L	Abut 1	PN	1 1/2	59.8	NO	12.0
		Abut 2	PN	1 1/2	58.1	NO	12.0
AVENUE K UNDERCROSSING	53-2381R	Abut 1	PN	1	81.8	NO	12.0
		Abut 3	PN	1	77.0	NO	12.0
53-2381L	53-2381L	Abut 1	PN	1	76.8	NO	12.0
		Abut 3	PN	1	81.6	NO	12.0
AVENUE J 8 UNDERCROSSING	53-2382R	Abut 1	PN	1 1/2	109.3	NO	12.0
		Abut 2	PN	1 1/2	125.1	NO	12.0
53-2382L	53-2382L	Abut 1	PN	1	72.7	NO	12.0
		Abut 2	PN	1	76.7	NO	12.0
20TH STREET WEST UNDERCROSSING	53-2383R	Abut 1	PN	1 1/2	83.2	NO	12.0
		Abut 3	PN	1 1/2	83.2	NO	12.0
53-2383L	53-2383L	Abut 1	PN	2	106.0	NO	12.0
		Abut 3	PN	2	116.1	NO	12.0
AVENUE J UNDERCROSSING	53-2384R	Abut 1	PN	1	52.8	NO	12.0
		Abut 2	PN	2	52.3	NO	12.0
LANCASTER BOULEVARD UNDERCROSSING	53-2385L	Abut 1	PN	1	51.0	NO	12.0
		Abut 2	PN	1	51.0	NO	12.0
AVENUE I UNDERCROSSING	53-2386R	Abut 1	PN	1	51.0	NO	12.0
		Abut 2	PN	1	51.0	NO	12.0
53-2386L	53-2386L	Abut 1	PN	1	51.0	NO	12.0
		Abut 2	PN	1	51.0	NO	12.0
AMARGOSA CREEK	53-2028R	Abut 1	PN	1 *	45.3	NO	11.5
		Span 3	H	2 1/2	40.5	YES	-
		Abut 6	PN	1 *	40.5	NO	11.5
		Abut 1	PN	1 *	40.5	NO	11.5
53-2028L	53-2028L	Span 3	H	2	40.5	YES	8
		Abut 6	PN	1 *	40.5	NO	11.5



JOINT SEAL AT LOW SIDE OF DECK

Notes: Details shown for illustration purposes only.
 For use only where deck joint matches the sidewalk, curb or barrier rail joint.

- The following notes apply to JOINT SEAL TYPE B:
- 1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
 - 2) 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.
 - 3) W1 shall be the smaller of the values determined as follows:
 - A) 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
 - B) 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.
 - 4) 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.
 - 5) For details not shown, see 



LEGEND:
 PN - Paving Notch at beginning or end of bridge
 H - Hinge
 * - Silicone seal or Type B

NOTE:
 All joint seals to be Type B, except where noted.

DESIGN	BY	A. Frank	CHECKED	H. Kuntz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 14 BRIDGES	
	DETAILS	BY	David Kish	CHECKED			H. Kuntz			POST MILE
	QUANTITIES	BY	A. Frank	CHECKED			H. Kuntz			VARIES
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3	CU 07601 EA 3y6701	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES	
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)					0 1 2 3	CU 07601 EA 3y6701	5-1-10 7-22-10 8-10-10 9-14-10		SHEET 16 OF 19	

DATE PLOTTED => 20-DEC-2010 USERNAME => gk150

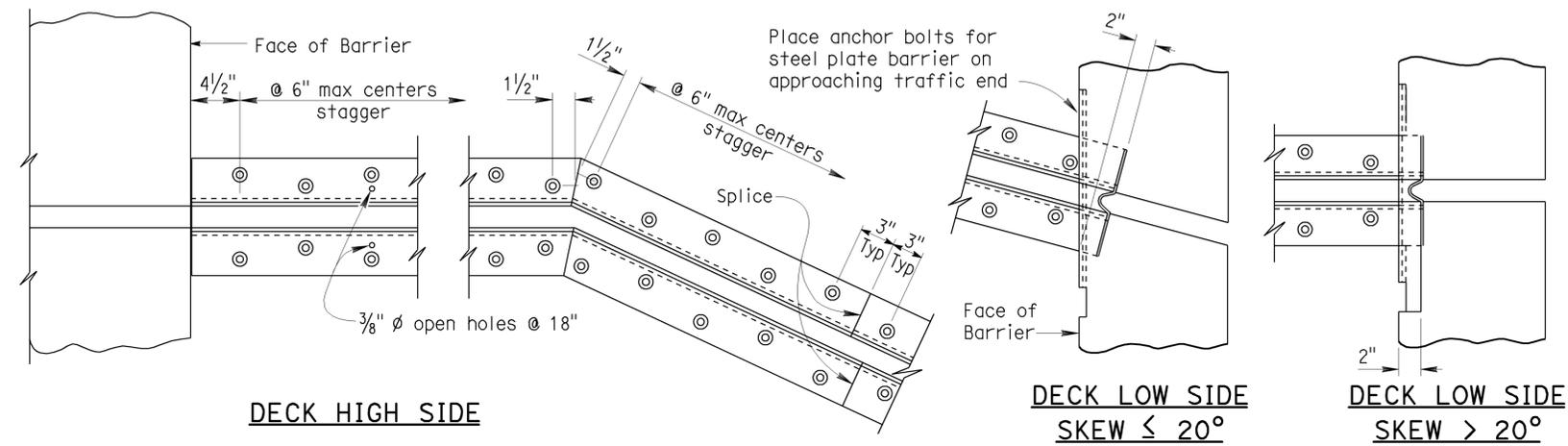
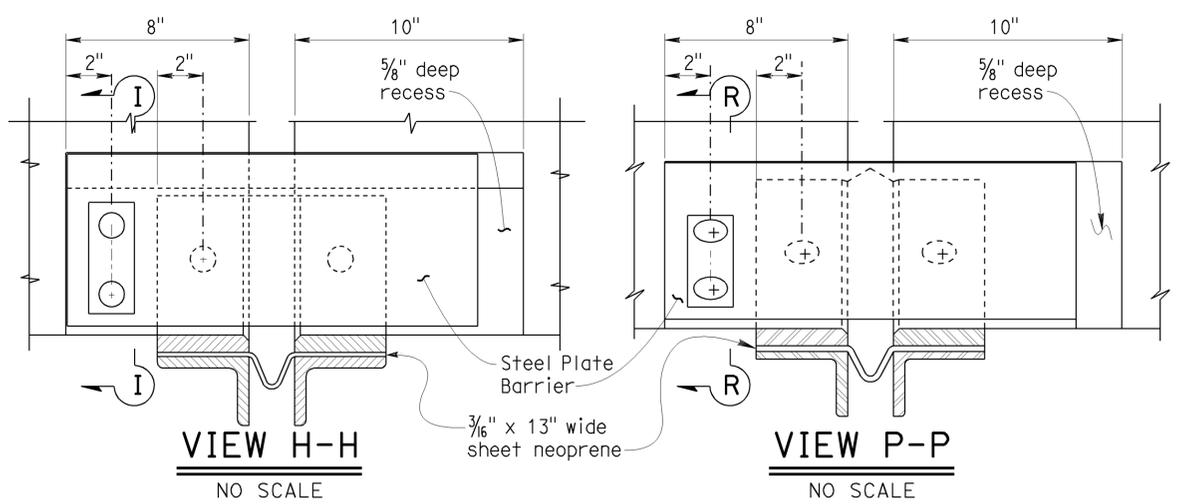
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	36	38

Arlene Frank 9-30-10
 REGISTERED CIVIL ENGINEER DATE

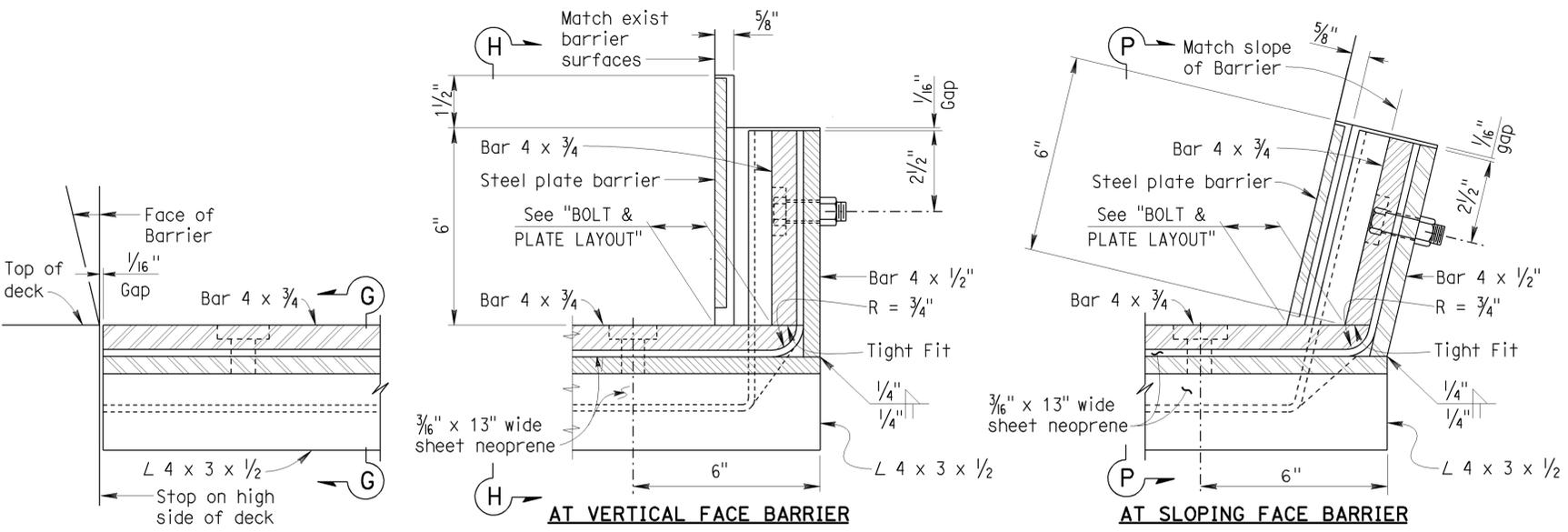
01-10-11
 PLANS APPROVAL DATE

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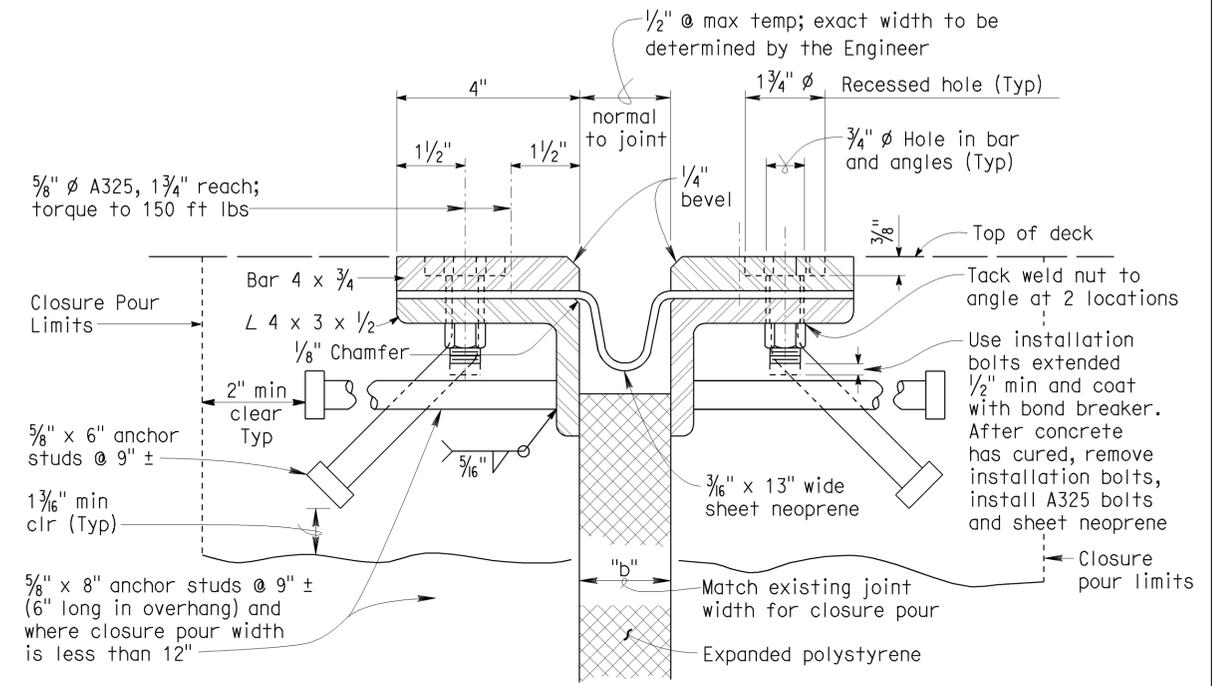
REGISTERED PROFESSIONAL ENGINEER
 ARLENE FRANK
 No. C 55562
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA



BOLT & PLATE LAYOUT PLAN
NO SCALE

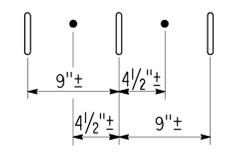


BARRIER DETAIL
NO SCALE



SECTION G-G
NO SCALE

Note:
Stagger anchor studs @ 4 1/2" on centers thus:

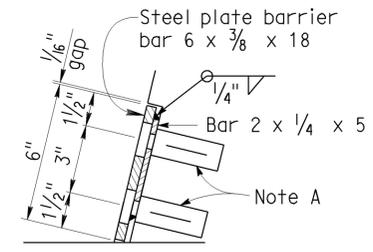


NOTES:
Full penetration butt welds may be substituted for fillet welds on all anchor studs.

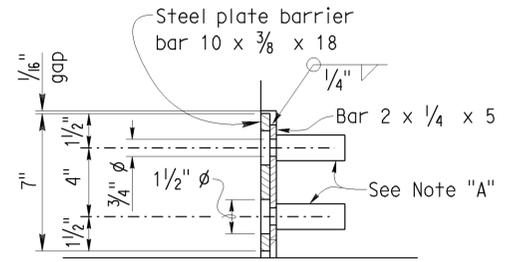
Alternate types of anchor studs may be permitted subject to the approval by the Engineer.
Use joint at crown of roadway, at any change in transverse slope in deck and at changes in horizontal direction. Place other joints at or near lane lines. All metal parts to be painted or galvanized after fabrication.

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.

NOTE A:
Insert assembly or expansion anchorage for 5/8" ∅ x 1 3/4" A325 bolt.

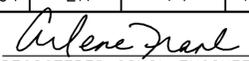
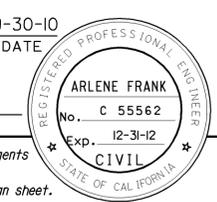


SECTION R-R
NO SCALE



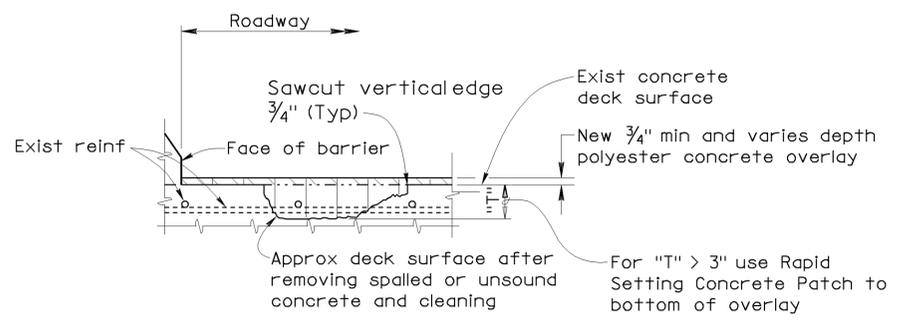
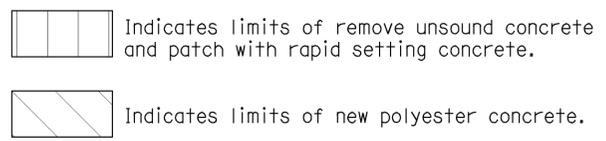
SECTION I-I
NO SCALE

DESIGN	BY A. Frank	CHECKED H. Kuntz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 14 BRIDGES
DETAILS	BY David Kish	CHECKED H. Kuntz			VARIOUS	
QUANTITIES	BY A. Frank	CHECKED H. Kuntz			VARIES	
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 07601 EA 3y6701	DISREGARD PRINTS BEARING EARLIER REVISION DATES
				0 1 2 3	8-02-10	SHEET 17 OF 19

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	37	38
 REGISTERED CIVIL ENGINEER DATE 9-30-10					
PLANS APPROVAL DATE 01-10-11					
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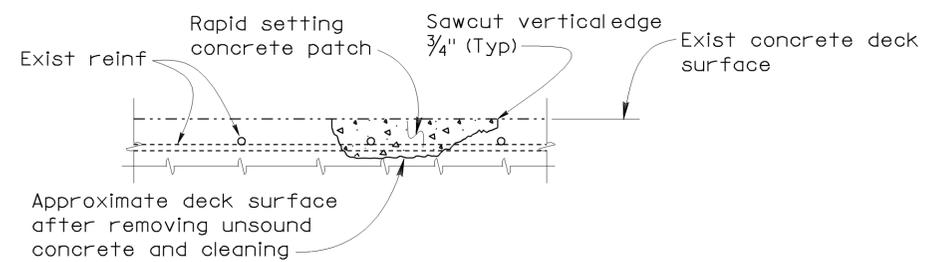
DECK REPAIR TABLE			
REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)			
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH DAMAGE (INCHES)
SIERRA HIGHWAY UNDERCROSSING	53-1936R	1	3
SIERRA HIGHWAY UNDERCROSSING	53-1936L	1	3
SIERRA HIGHWAY UNDERCROSSING	53-1936F	1	3
NEWHALL AVENUE UNDERCROSSING	53-2070	1	3
LA AQUEDUCT UNDERCROSSING	53-2146	1	3
SIERRA HIGHWAY UNDERCROSSING	53-2180K	1	3
VIA PRINCESSA UNDERCROSSING	53-2201K	1	3
CANYON PARK BOULEVARD	53-2167	1	3
SANTA CLARA RIVER	53-2027	1	3
LOST CANYON ROAD UNDERCROSSING	53-1621	1	3
TICK CANYON WASH	53-1547	1	3
SOLEDAD CANYON ROAD UNDERCROSSING	53-1549	1	3
SPRING CANYON ROAD UNDERCROSSING	53-1540	1	3
PURITAN MINE ROAD UNDERCROSSING	53-1545R	1	3
RED ROVER MINE ROAD UNDERCROSSING	53-0147R	1	3
RED ROVER MINE ROAD UNDERCROSSING	53-0147L	1	3
SANTIAGO ROAD UNDERCROSSING	53-0871R	1	3
SANTIAGO ROAD UNDERCROSSING	53-0871L	1	3
RANCHO VISTA BOULEVARD UNDERCROSSING	53-2376R	1	3
AVENUE O-8 UNDERCROSSING	53-2379	1	3
AVENUE K UNDERCROSSING	53-2381R	1	3
AVENUE K UNDERCROSSING	53-2381L	1	3
AVENUE J 8 UNDERCROSSING	53-2382L	1	3
20 TH STREET WEST UNDERCROSSING	53-2383R	1	3
20 TH STREET WEST UNDERCROSSING	53-2383L	12	3
AVENUE J UNDERCROSSING	53-2384R	16	3
LANCASTER BOULEVARD UNDERCROSSING	53-2385L	11	3
AVENUE I UNDERCROSSING	53-2386R	3	3
AVENUE I UNDERCROSSING	53-2386L	2	3
AMARGOSA CREEK	53-2028R	1	3
AMARGOSA CREEK	53-2028L	1	3

NOTES: (APPLY TO THIS SHEET ONLY)



DECK REPAIR DETAIL-OVERLAY

Note: Reinforcement may be encountered during deck concrete removal.



DECK REPAIR DETAIL

Note: Reinforcement may be encountered during deck concrete removal.

**GENERAL NOTES
LOAD FACTOR DESIGN**

DESIGN: BRIDGE DESIGN SPECIFICATIONS (1996 AASHTO with Interims and Revisions by CALTRANS)

DEAD LOAD: Includes 35 psf for future wearing surface.

LIVE LOADING: HS20-44 and alternative and permit design load

REINFORCED CONCRETE: fy = 60,000 psi
f'c = 3600 psi
n = 9

TEMPORARY DECK PLATE LOAD CRITERIA		
MOMENT DEMAND/FOOT (kip-ft/ft)	BOLT SHEAR/FOOT (kip/ft)	BOLT TENSION (LB)
4	6.4	150

Plate thickness shall be $\geq \frac{7}{8}$.
 Plate deflection shall not exceed $s/300$ (s = span of plate).
 Maximum anchor bolt spacing = 0'-9".

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)	DESIGN BY A. Frank	CHECKED H. Kuntz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTE 14 BRIDGES DECK REPAIR DETAILS	SHEET 18 OF 19
	DETAILS BY David Kish	CHECKED H. Kuntz			POST MILE VARIOUS		
	QUANTITIES BY A. Frank	CHECKED H. Kuntz			VARIES		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 07601 EA 3y6701	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES	5-1-10 8-10-10 9-14-10	

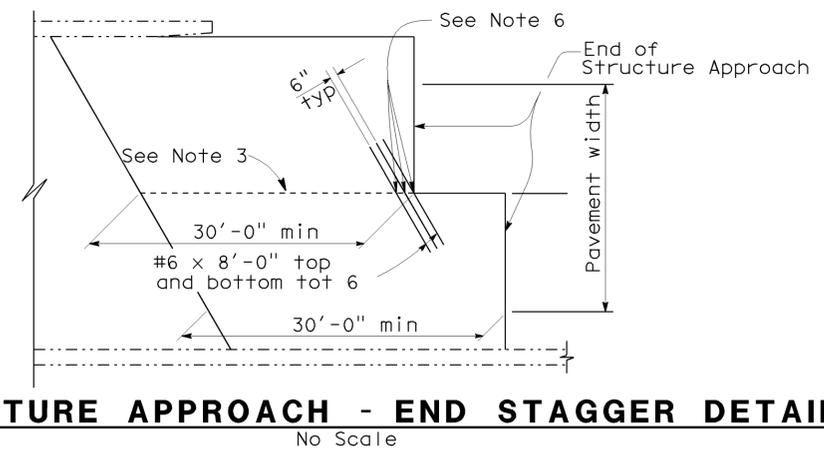
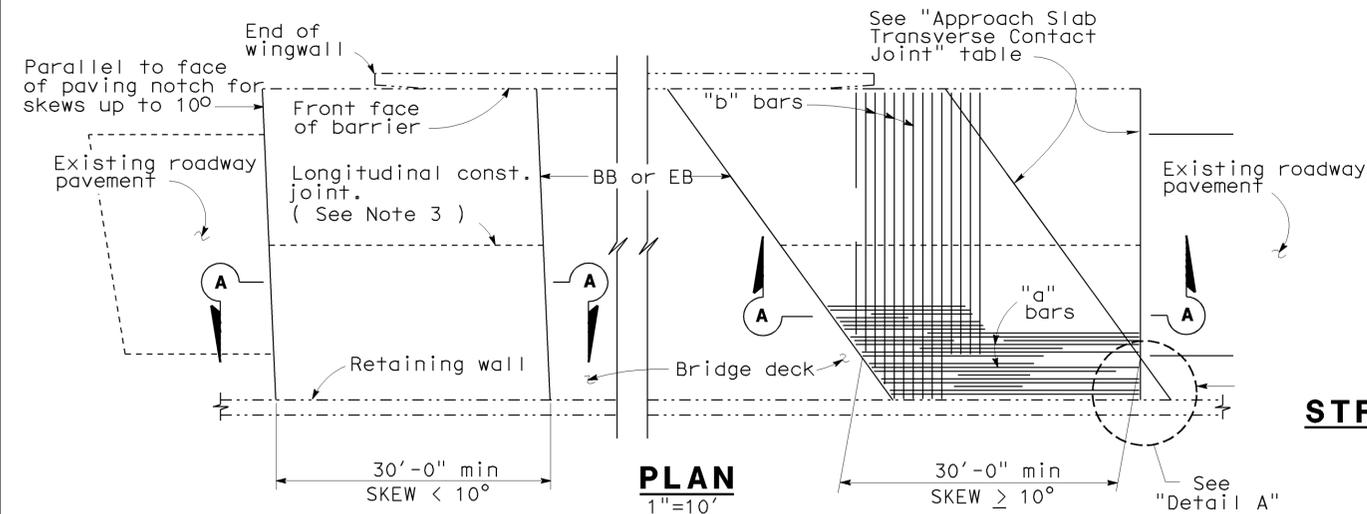
DATE PLOTTED => 20-DEC-2010 USERNAME => dk150 TIME PLOTTED => 08:23

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	14	R25.1/R70.3	38	38

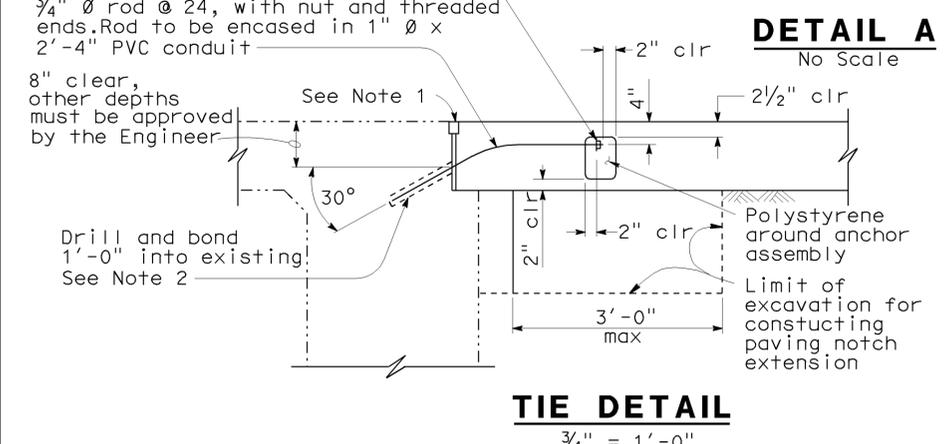
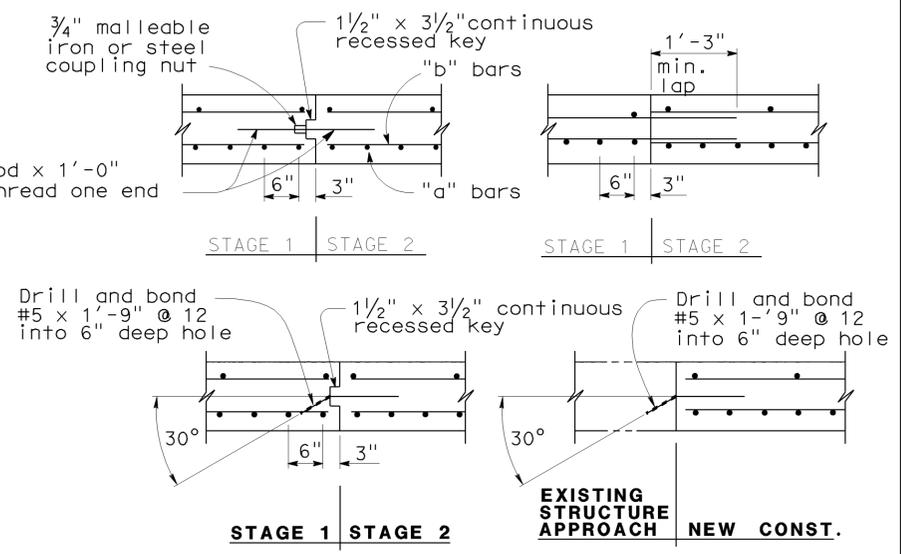
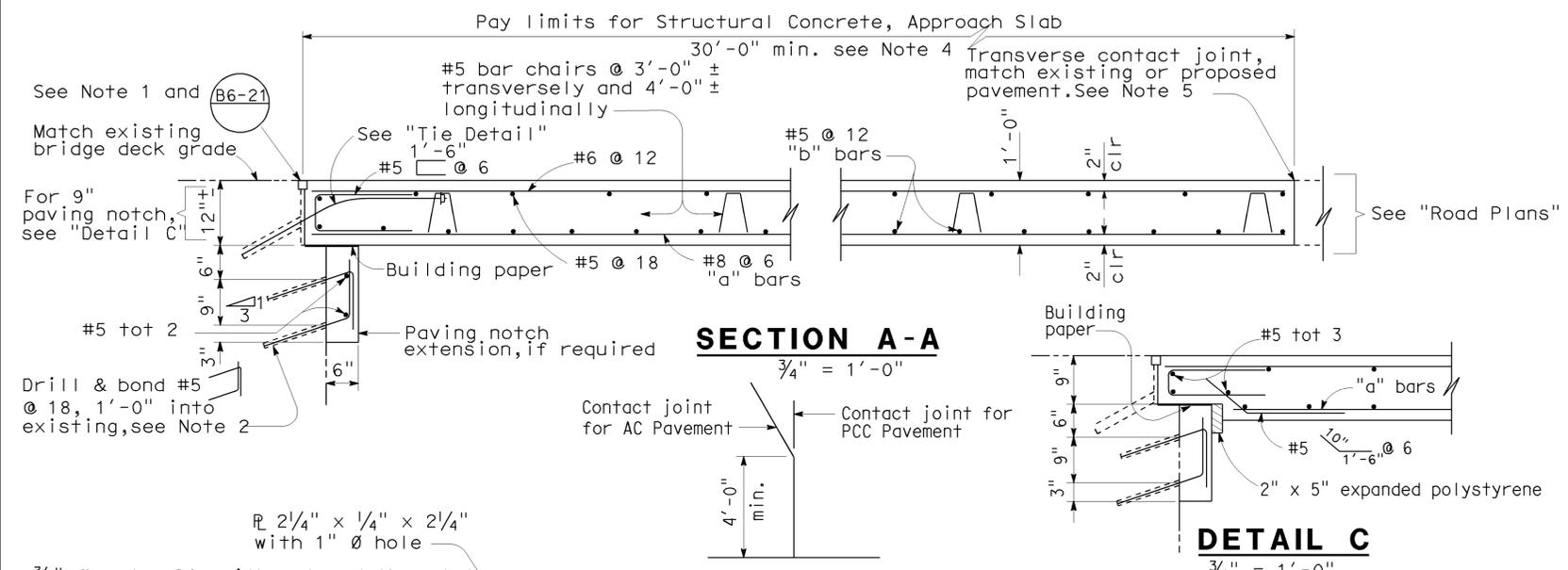
Arlene Frank 9-30-10
 REGISTERED CIVIL ENGINEER DATE

01-10-11
 PLANS APPROVAL DATE

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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' to 36' apart
> 45°	Parallel to face of P N use (Detail A)	Stagger at each lane line



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

- LONGITUDINAL CONSTRUCTION JOINT ALTERNATIVES**
- NOTES: 3/4" = 1'-0"
- 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.

DESIGN	BY A. Frank	CHECKED H. Kuntz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 14 BRIDGES
DETAILS	BY David Kish	CHECKED H. Kuntz			VARIOUS	
QUANTITIES	BY A. Frank	CHECKED H. Kuntz			VARIES	

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

CU 07601 EA 3y6701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 19 OF 19