

INDEX OF PLANS

Sheet No.	Description
1	TITLE AND LOCATION MAP
2	LOCATIONS OF CONSTRUCTION
3	CONSTRUCTION AREA SIGNS
4-12	TRAFFIC HANDLING DETAILS
13	PAVEMENT DELINEATION DETAILS
14-15	PAVEMENT DELINEATION QUANTITIES
16-21	NEW AND REVISED STANDARD PLANS

STRUCTURES

22-47	ROUTE 605 BRIDGE PLANS
-------	------------------------

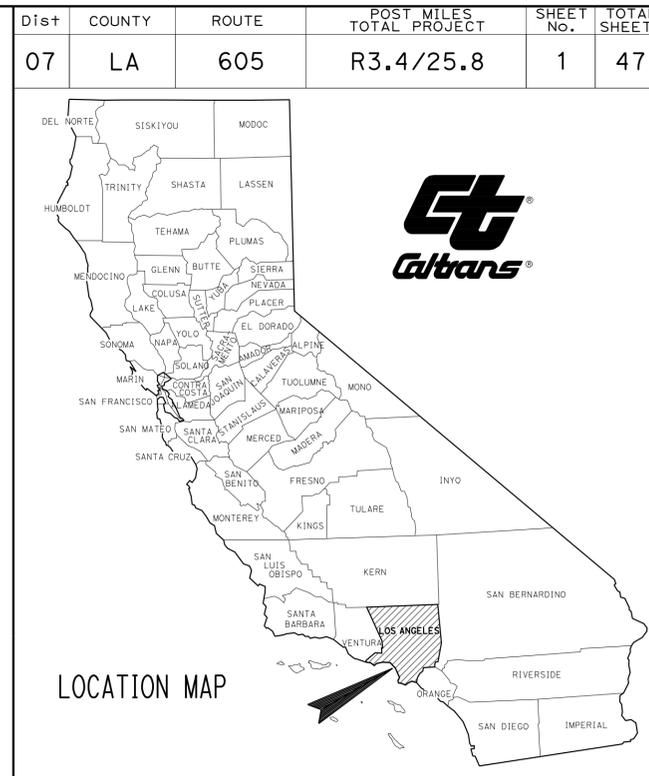
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

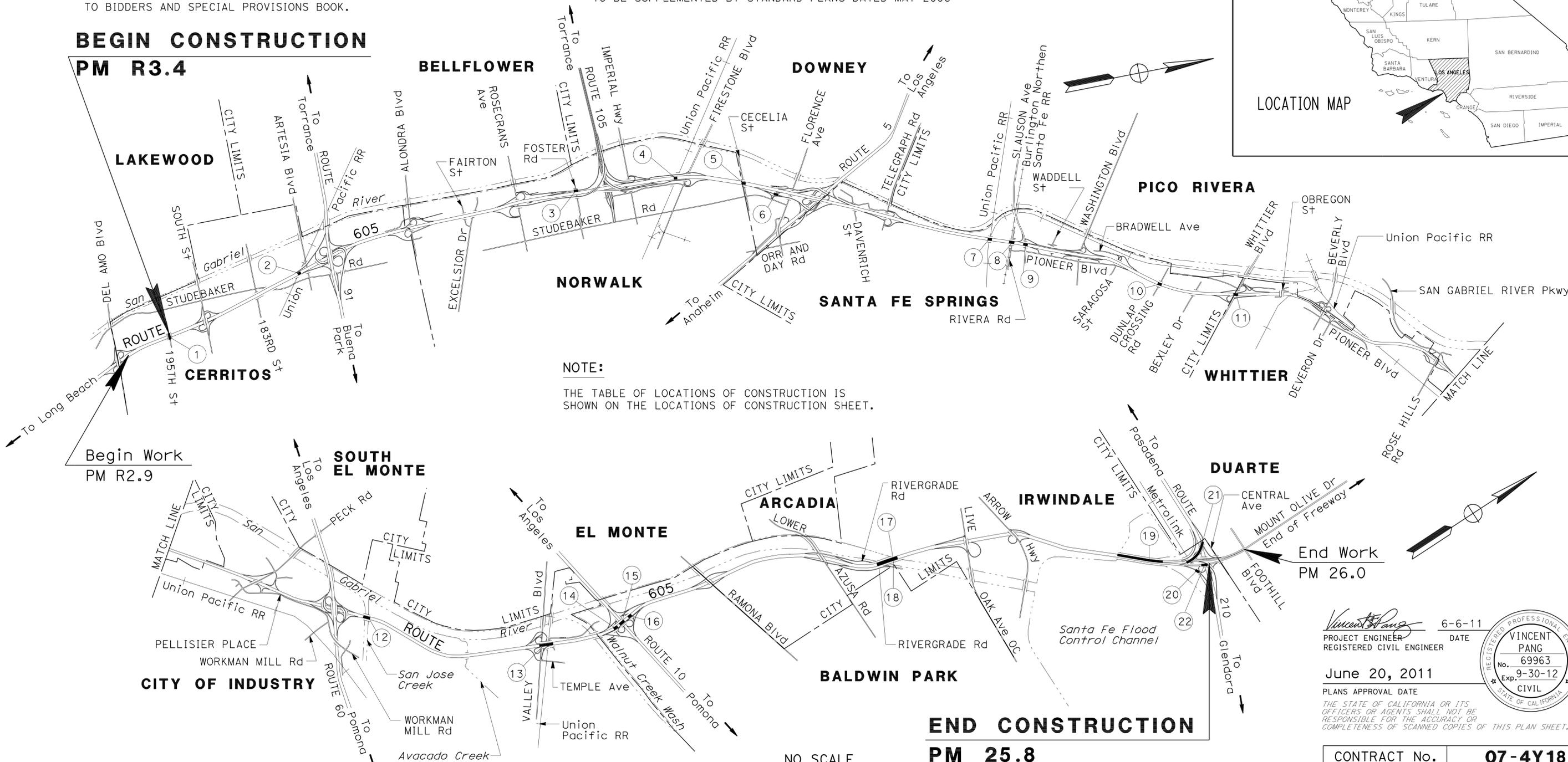
IM-605-2(955)E

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN LOS ANGELES COUNTY
AT VARIOUS LOCATIONS
FROM 195TH STREET OVERCROSSING
TO ROUTE 605/210 SEPARATION

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



BEGIN CONSTRUCTION
PM R3.4



NOTE:
THE TABLE OF LOCATIONS OF CONSTRUCTION IS SHOWN ON THE LOCATIONS OF CONSTRUCTION SHEET.

Begin Work
PM R2.9

End Work
PM 26.0

END CONSTRUCTION
PM 25.8

NO SCALE

PROJECT MANAGER
DAVID YAN
DESIGN ENGINEER
LARRY WIERING

Vincent Pang 6-6-11
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER
June 20, 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.	07-4Y1804
PROJECT ID	0700020194

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	605	R3.4/25.8	2	47

Vincent Pang
 REGISTERED CIVIL ENGINEER DATE 6-6-11
 6-20-11
 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.

LOCATIONS OF CONSTRUCTION			
No.	DESCRIPTION	BRIDGE No.	PM
①	195TH STREET OC	53-1710	R3.40
②	DAIRY VALLEY OH	53-1721	R4.71
③	E105-S605/S605-ROSECRANS Ave OC	53-2704G	R6.83
④	HOXIE OH	53-1652	R8.23
⑤	CECILIA STREET UC	53-1654	R8.91
⑥	N605-N5&S5 CONNECTOR OC	53-1655G	R9.22
⑦	LOS NIETOS OH	53-1663	R11.20
⑧	BRADWELL OH	53-1664	R11.39
⑨	SLAUSON AVENUE UC	53-1665	R11.54
⑩	DUNLAP CROSSING ROAD UC	53-1669	R12.85
⑪	ROUTE 605/72 SEPARATION	53-1509	R13.55
⑫	SAN JOSE DIVERSION CHANNEL	53-1416	R17.69
⑬	RIVERGRADE OH	53-1537	R19.39
⑭	SOUTH CONNECTOR UC	53-1631	R20.09
⑮	ROUTE 605/10 SEPARATION	53-1632	R20.17
⑯	NORTH CONNECTOR UC	53-1633	20.27
⑰	SAN GABRIEL RIVER	53-2032L	22.68
⑱	SAN GABRIEL RIVER	53-2032R	22.69
⑲	SANTA FE BASIN	53-2030L	25.09
⑳	N605-E210 CONNECTOR OH	53-1981G	25.55
㉑	N605-W210 CONNECTOR OC	53-1972G	25.60
㉒	ROUTE 605/210 SEPARATION	53-1923R	25.75

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR LARRY WIERING
 CALCULATED/DESIGNED BY CHECKED BY
 VINCE PANG LARRY WIERING
 REVISED BY DATE REVISED

LOCATIONS OF CONSTRUCTION

LC-1

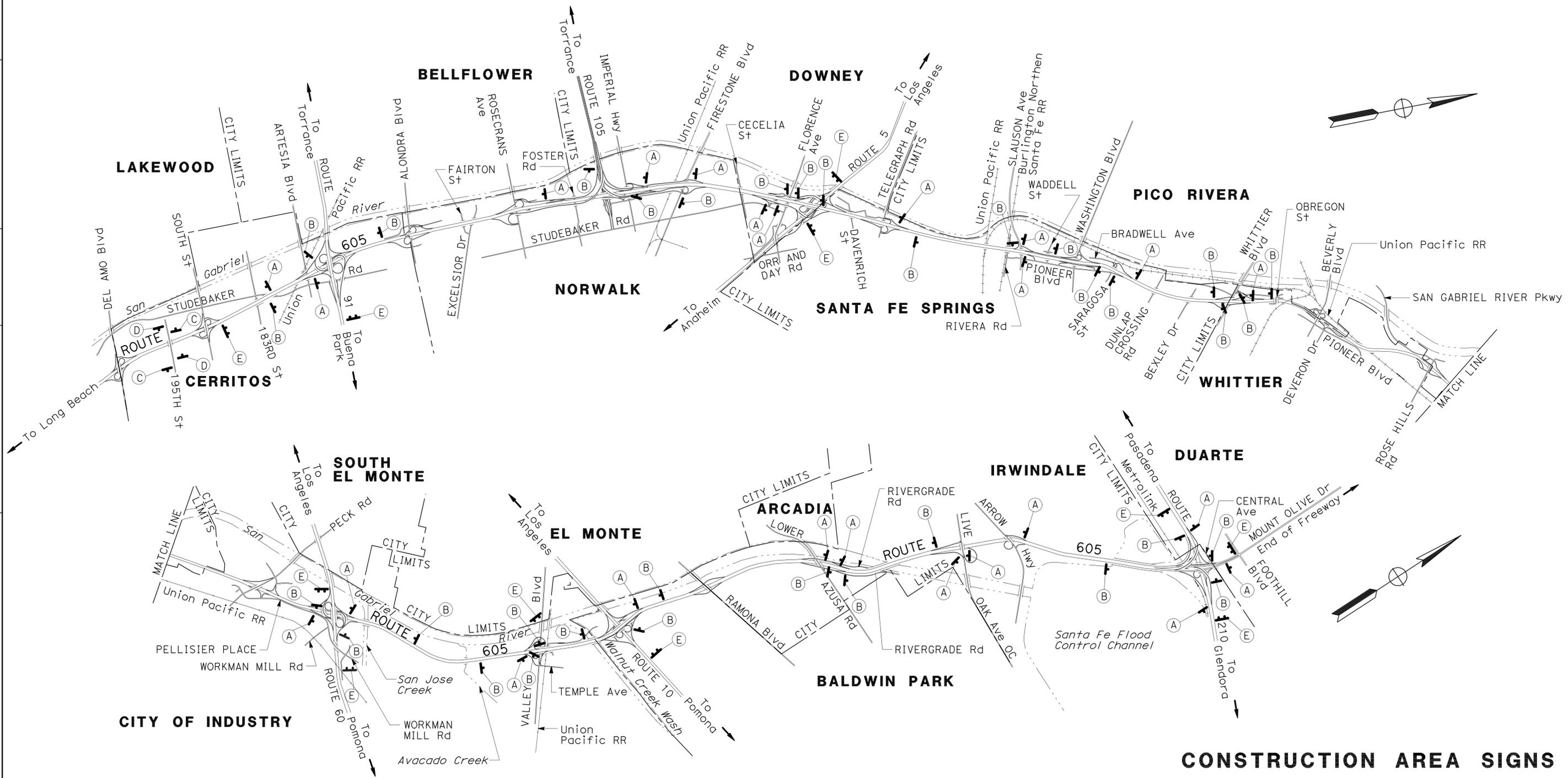
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	605	R3.4/25.8	3	47

REGISTERED CIVIL ENGINEER DATE 6-6-11
 6-20-11 PLANS APPROVAL DATE
 VINCENT PANG No. 69963 Exp. 9-30-12 CIVIL
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. LOCATIONS OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS						
SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS	
(A)	G20-2	48" x 24"	END ROAD WORK	1 - 4" x 6"	24	
(B)	W20-1	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	35	
(C)	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	2	
(D)	W20-1	36" x 36"	ROAD WORK AHEAD	1 - 4" x 6"	2	
(E)	C40 (CA)	144" x 60"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	2 - 6" x 6"	12	



CONSTRUCTION AREA SIGNS
NO SCALE

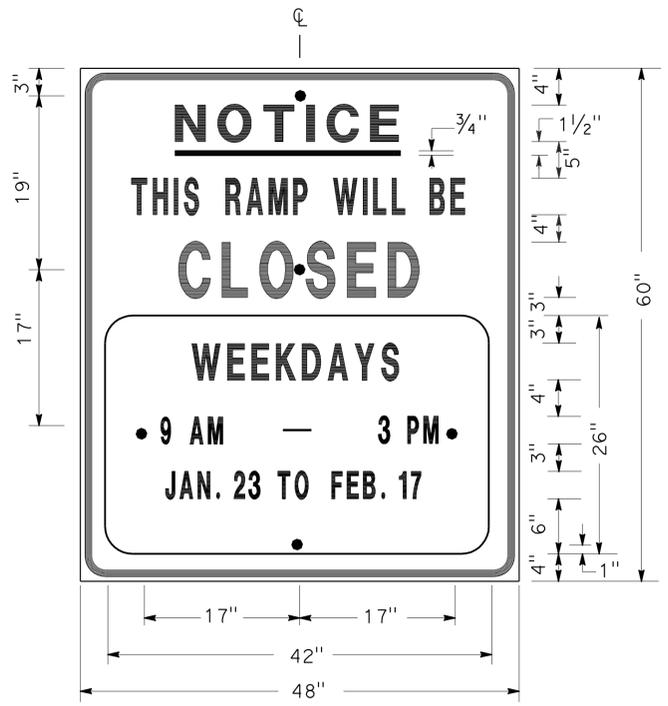
THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGNS WORK ONLY.

CS-1

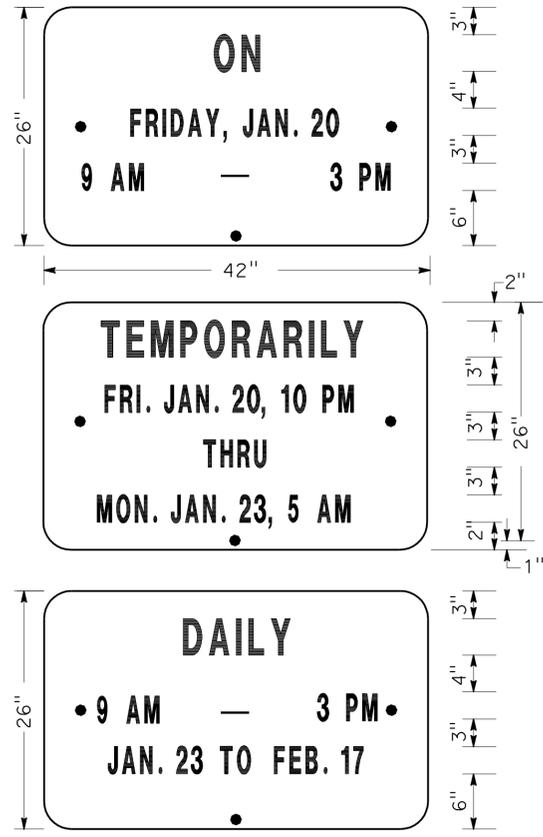
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR: LARRY WIERING
 CALCULATED/DESIGNED BY: LARRY WIERING
 CHECKED BY: LARRY WIERING
 REVISIONS: VINCE PANG, LARRY WIERING
 REVISED BY: DATE
 DATE REVISION: DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	605	R3.4/25.8	4	47

Dennis Katayama 5-24-11
 REGISTERED CIVIL ENGINEER DATE
 6-20-11
 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.



SIGN SP-1



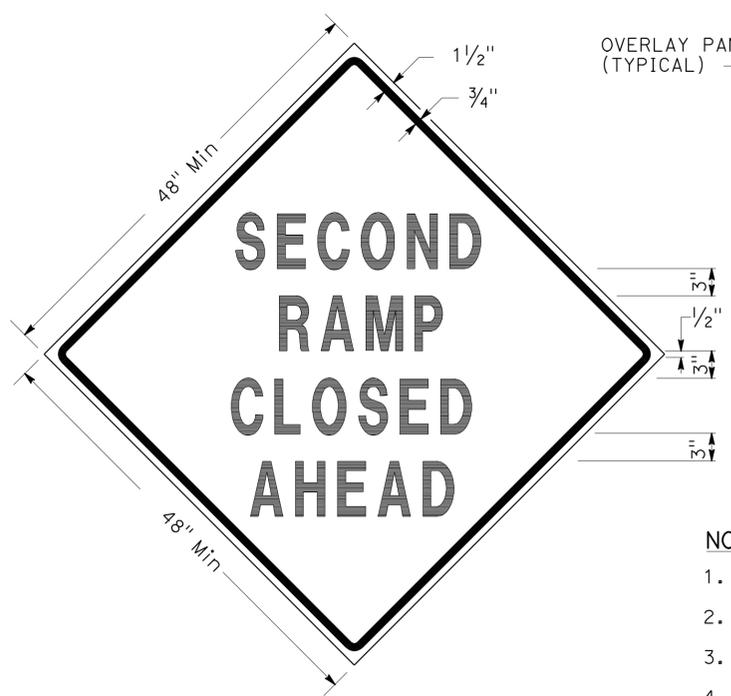
ALTERNATE OVERLAY PANELS (TYPICAL)

- 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



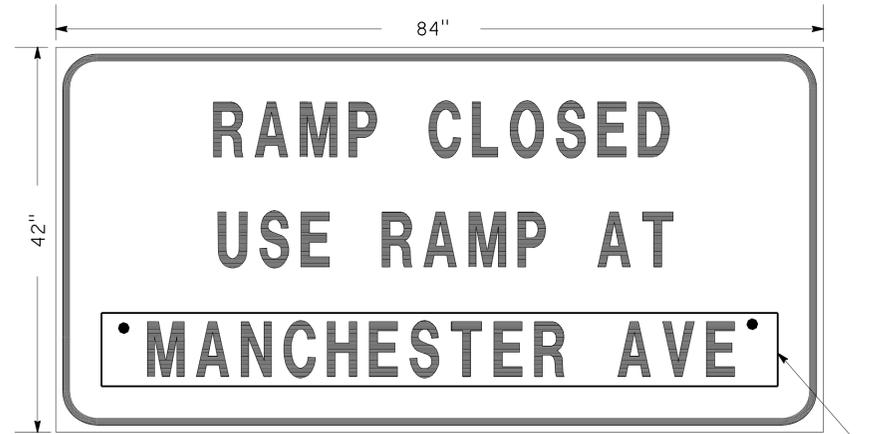
SIGN SP-3

SPECIAL SIGN FOR EXIT RAMP CLOSURES

- 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.



SIGN SP-5



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.

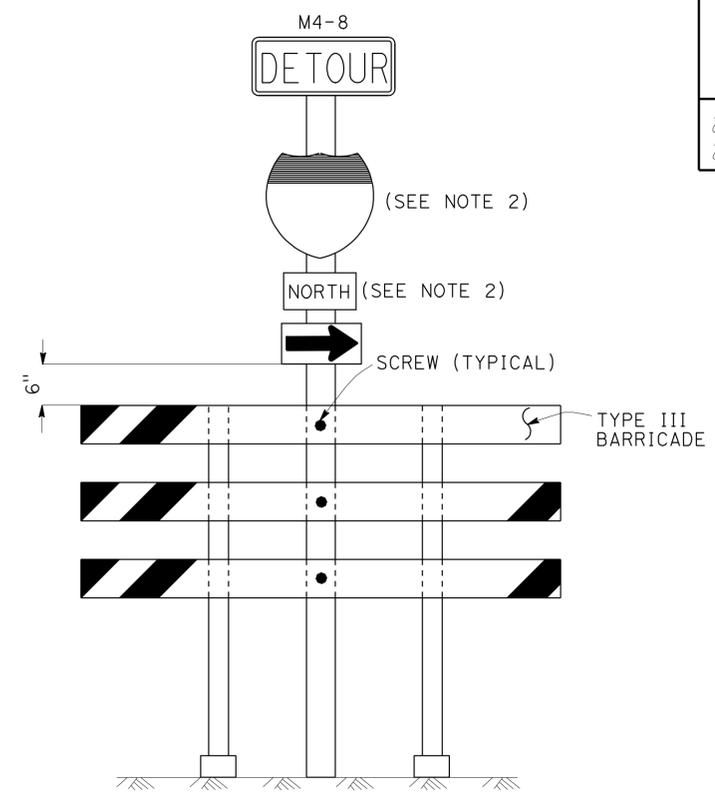
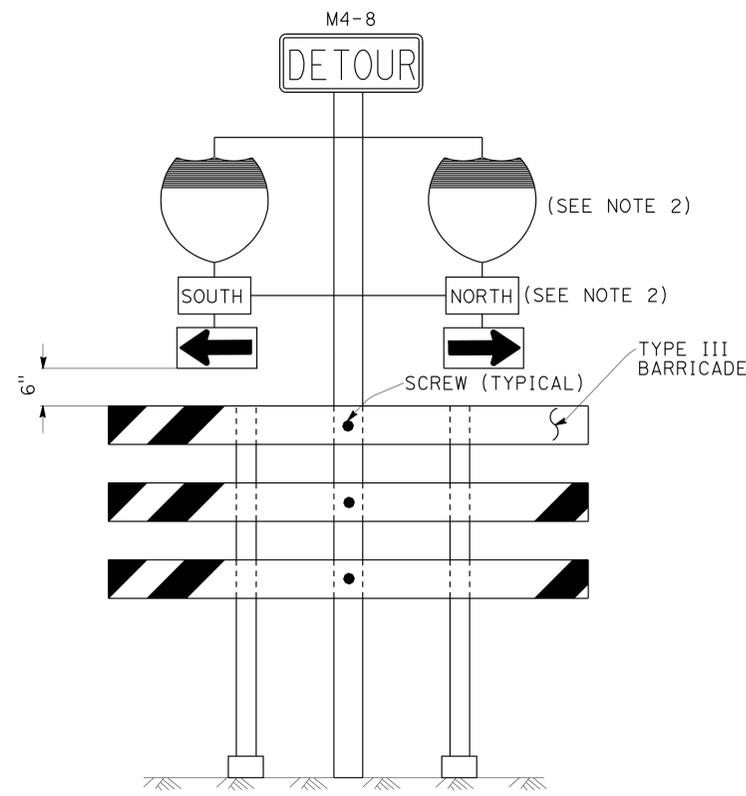
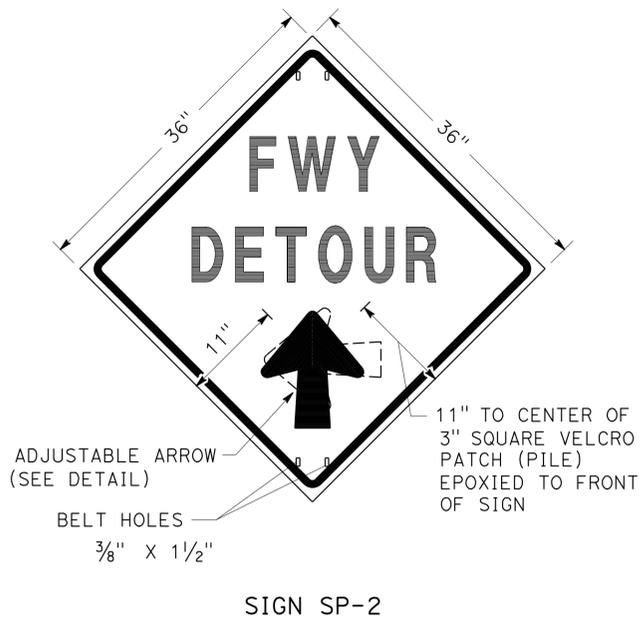
SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

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

SHEET 1 OF 2

NO SCALE

THD-1

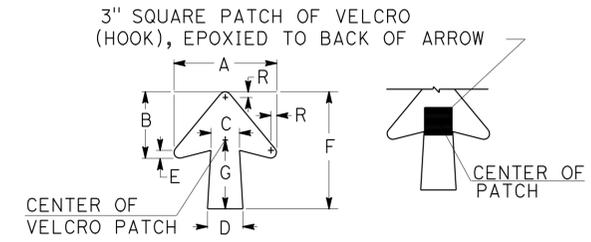


- NOTES:** (SIGN SP-2)
- LETTERS -6" SERIES E.
 - LETTERS, BORDER AND ARROW - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
 - BASE MATERIAL FOR SIGNS AND ARROWS SHALL BE ALUMINUM (MINIMUM 0.06").
 - BELTS (LUGGAGE STRAPS) SHALL BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
 - 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)
- IN LIEU OF PLACING SIGNS ON TYPE III BARRICADES, SIGNS, INCLUDING POSTS, MAY BE PLACED INTO THE GROUND OR FASTENED ONTO ELECTROLIERS.
 - 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 3/8"	4"	7/8"	13"	7 1/2"	5/8"

SPECIAL PORTABLE FREEWAY DETOUR SIGN

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR RAMP CLOSURES, DETOUR SIGNS
AND MISCELLANEOUS DETAILS
SHEET 2 OF 2
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DTM
 FUNCTIONAL SUPERVISOR JOHN YANG
 CHECKED BY
 REVISIONS: 7/2/2010
 REVISED BY JC DATE REVISION 7/10
 DESIGNED BY ALBERT K YU
 CHECKED BY JOCELYN C CHIANG

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	605	R3.4/25.8	6	47

Denis Katayama 5-24-11
 REGISTERED CIVIL ENGINEER DATE
 6-20-11
 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.

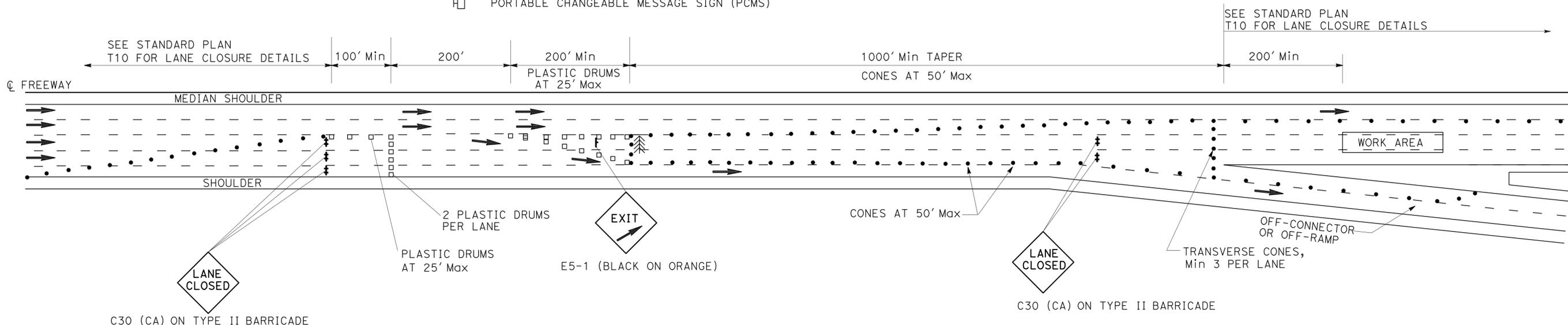
LEGEND

- CONE
- TRAFFIC PLASTIC DRUM
- ⚡ FLASHING ARROW SIGN
- † PORTABLE SIGN
- ➔ DIRECTION OF TRAVEL
- ◻ PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

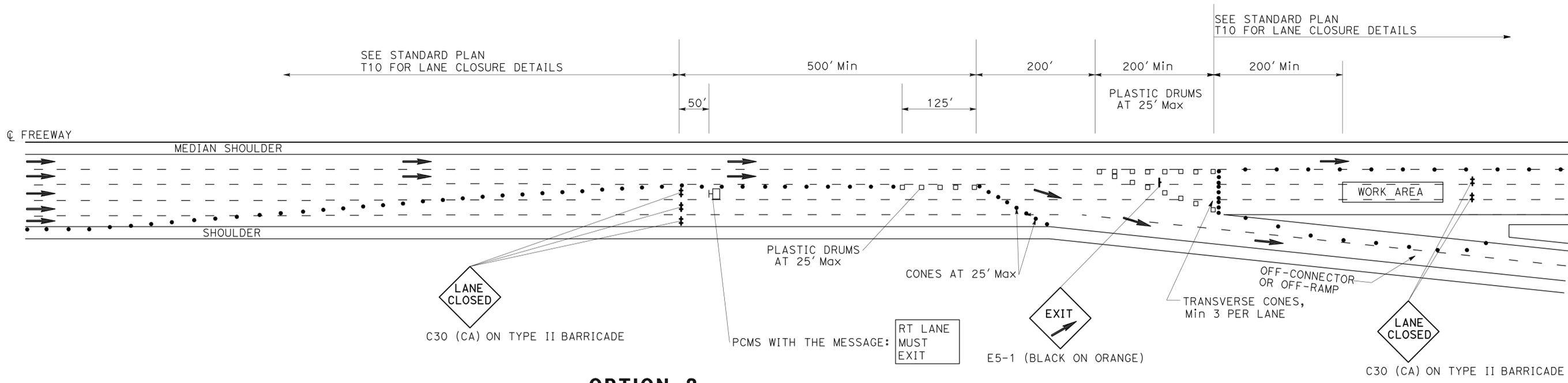
ABBREVIATIONS

(CA) CALIFORNIA CODE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DTIC
 FUNCTIONAL SUPERVISOR: JOHN YANG
 CHECKED BY: JOCELYN C CHIANG
 REVISIONS: JC 7/10
 REVISIONS: JC 7/10



OPTION 1



OPTION 2

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR SLIP-RAMP AT
OFF-CONNECTOR OR OFF-RAMP
 NO SCALE
THD-3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	605	R3.4/25.8	7	47

Dennis Katayama 5-24-11
 REGISTERED CIVIL ENGINEER DATE

6-20-11
 PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
D. S. KATAYAMA
 No. C50648
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA

NOTES:

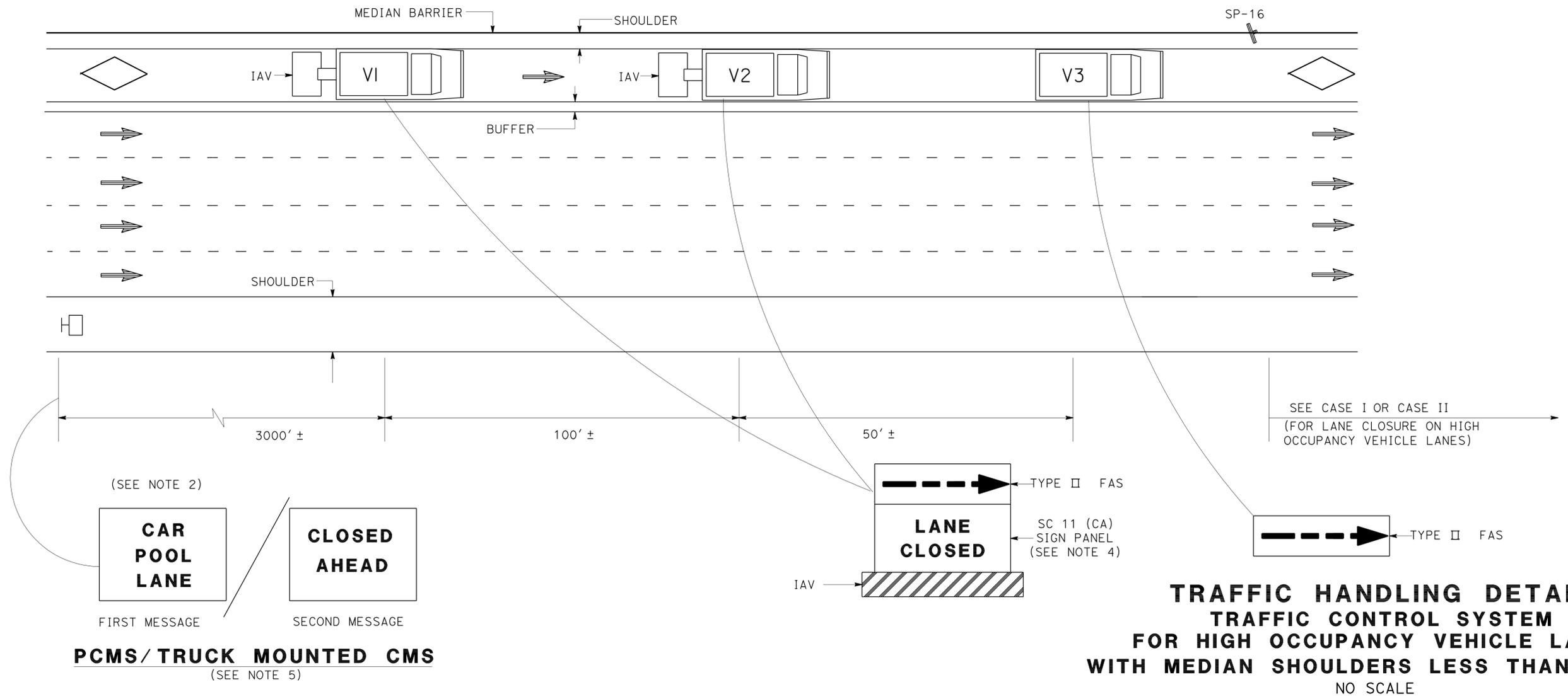
- LANE CLOSURES SHALL NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
- PCMS SHALL BE ACTIVATED PRIOR TO TRAFFIC CONTROL ACTIVITIES ON THE HOV LANE.
- A MINIMUM SIGHT DISTANCE OF 1500' SHALL BE PROVIDED IN ADVANCE OF PCMS.
- VEHICLE-MOUNTED SIGN PANELS SHALL BE TYPE III OR IV RETROREFLECTORIZED 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

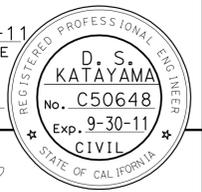
- FAS FLASHING ARROW SIGN
- IAV IMPACT ATTENUATOR VEHICLE
- CMS CHANGEABLE MESSAGE SIGN
- (CA) CALIFORNIA CODE
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- HOV HIGH OCCUPANCY VEHICLE



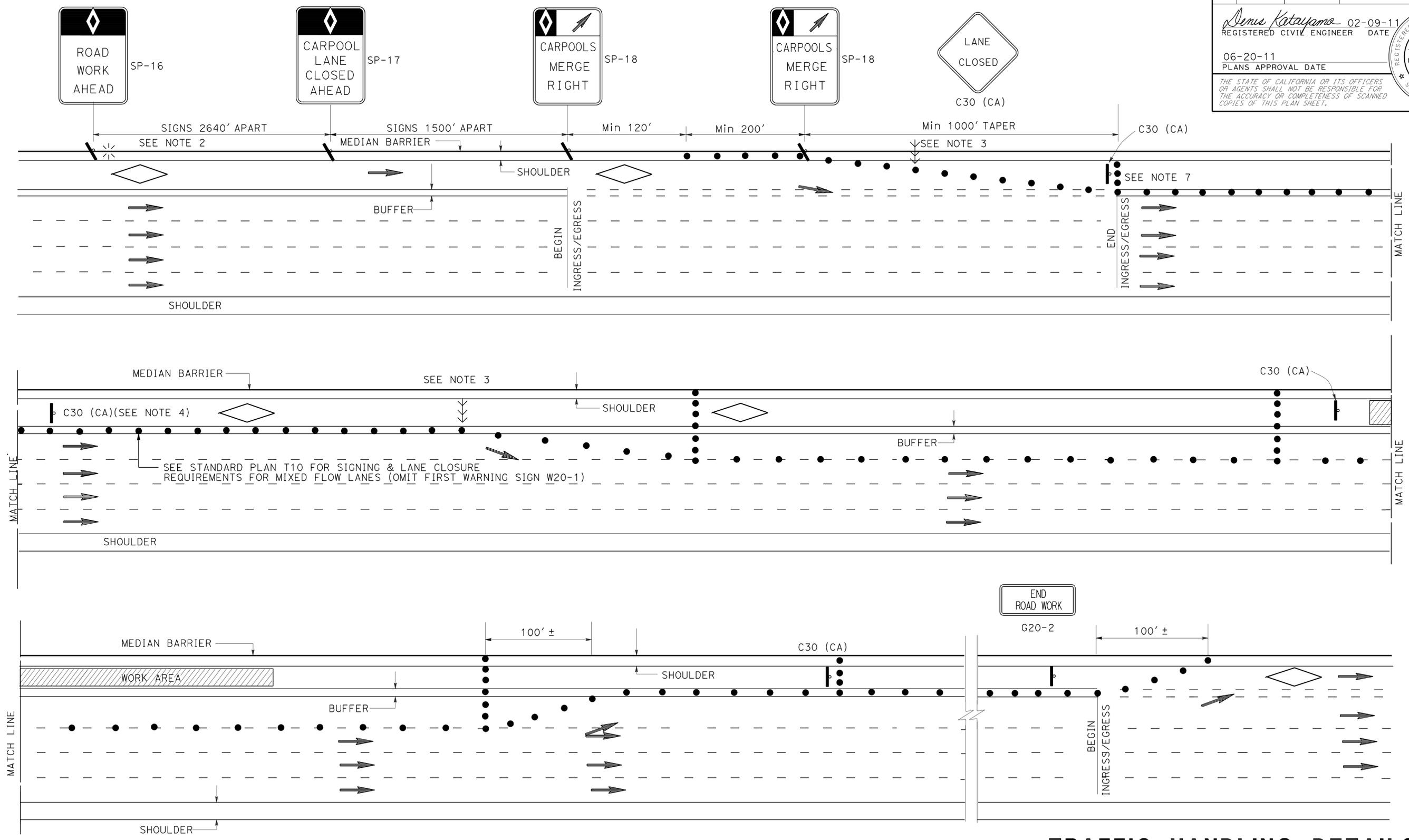
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DTM
 FUNCTIONAL SUPERVISOR: JOHN YANG
 CALCULATED/DESIGNED BY: [Blank]
 CHECKED BY: [Blank]
 REVISED BY: ALBERT K YU
 DATE REVISED: 7/10
 JC

LAST REVISION: DATE PLOTTED => 14-JUN-2011
 06-20-11 TIME PLOTTED => 16:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	605	R3.4/25.8	9	47
<i>Denise Katayama</i> 02-09-11 REGISTERED CIVIL ENGINEER DATE					
06-20-11 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
Caltrans
 DTMM
 FUNCTIONAL SUPERVISOR JOHN YANG
 CHECKED BY JOCELYN C CHIANG
 DESIGNED BY ALBERT K YU
 REVISIONS: JC 7/10
 REVISIONS: DATE REVISED



- 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

LAST REVISION: 06-20-11 DATE PLOTTED => 19-JUL-2011 TIME PLOTTED => 09:34

NOTES:

1. WORDING DISPLAYED ON PCMS WILL BE APPROVED BY THE ENGINEER.
2. EXACT LOCATIONS OF PCMS WILL BE DETERMINED BY THE ENGINEER.
3. CHANGE PCMS MESSAGE AT THE BEGINNING OF CURE PERIOD TO REFLECT NUMBER OF CLOSED LANES.

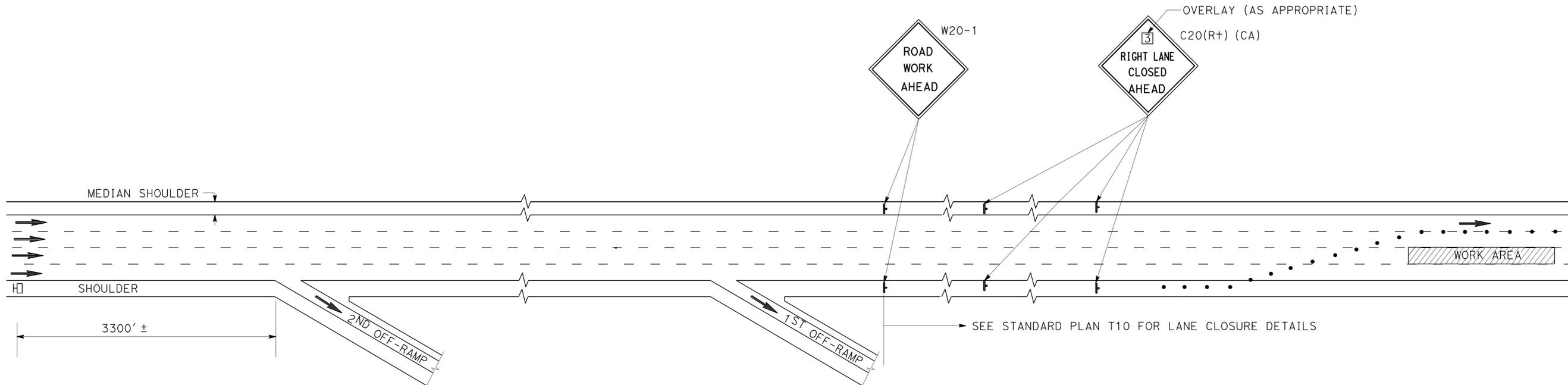
ABBREVIATIONS

PCMS PORTABLE CHANGEABLE MESSAGE SIGN
 (CA) CALIFORNIA CODE

LEGEND

- CONE
- ⊥ PORTABLE SIGN
- ➔ DIRECTION OF TRAVEL
- ⊞ PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- (CA) CALIFORNIA CODE

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



FIRST FLASH MESSAGE	X (NO OF LANES)RIGHT/LEFT ←	1ST LINE (TYPICAL)
	LANES ←	2ND LINE (TYPICAL)
	CLOSED ←	3RD LINE (TYPICAL)
SECOND FLASH MESSAGE	A ST ←	LIMIT OF CLOSURE (TYPICAL)
	TO B DR ←	LIMIT OF CLOSURE (TYPICAL)

**WORDING FOR
PORTABLE CHANGEABLE MESSAGE SIGN**

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR CONCRETE PAVEMENT AND
APPROACH SLAB REPLACEMENT
NO SCALE**

THD-7

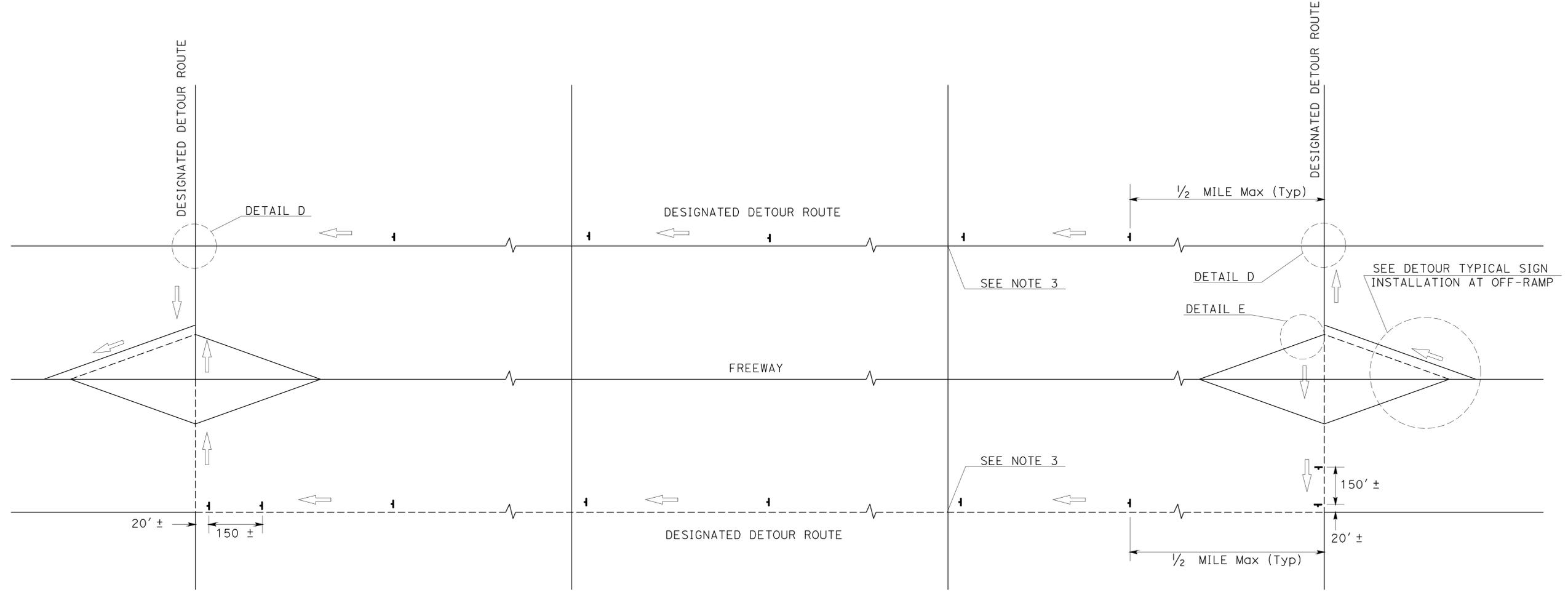
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	605	R3.4/25.8	11	47

Denise Katayama 2-09-11
 REGISTERED CIVIL ENGINEER DATE
 6-20-11
 PLANS APPROVAL DATE

D. S. KATAYAMA
 No. C50648
 Exp. 9-30-11
 CIVIL

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

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



TYPICAL DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

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

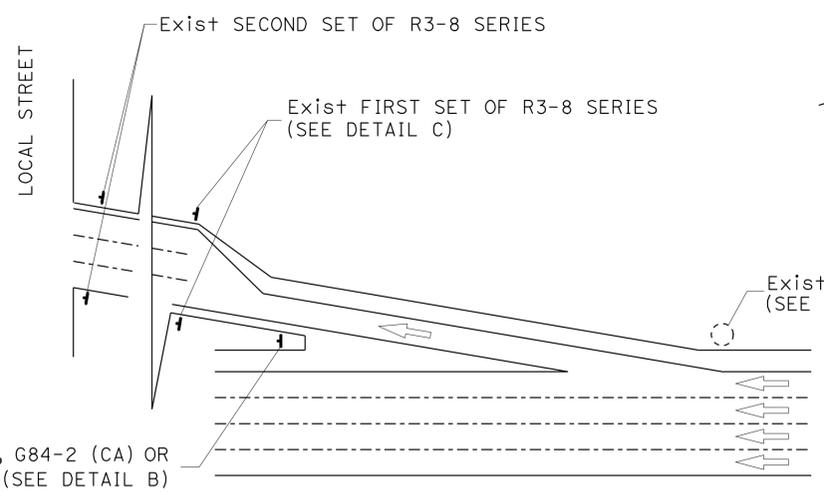
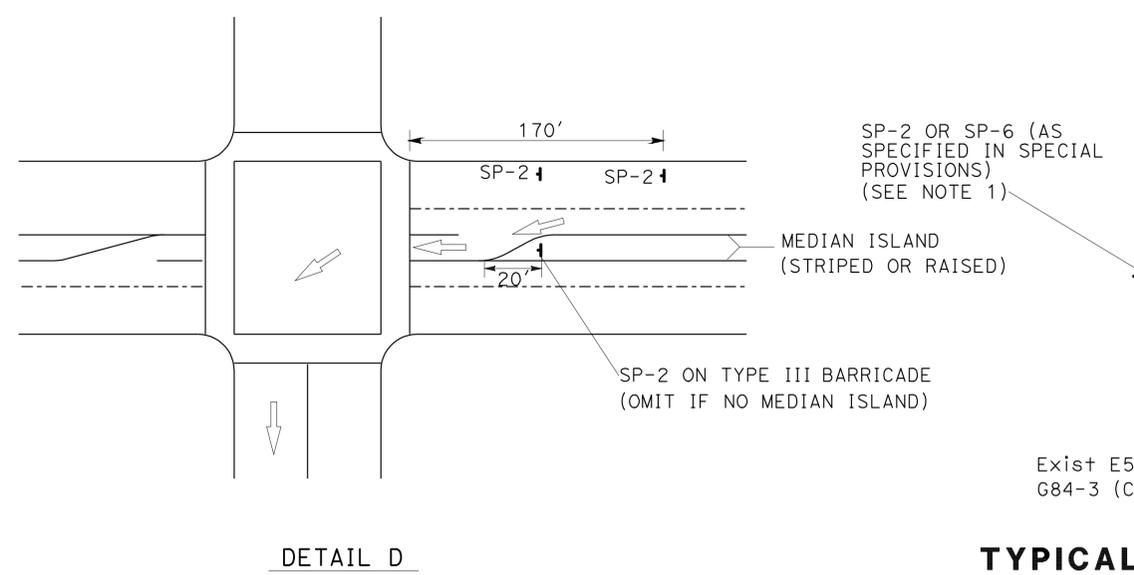
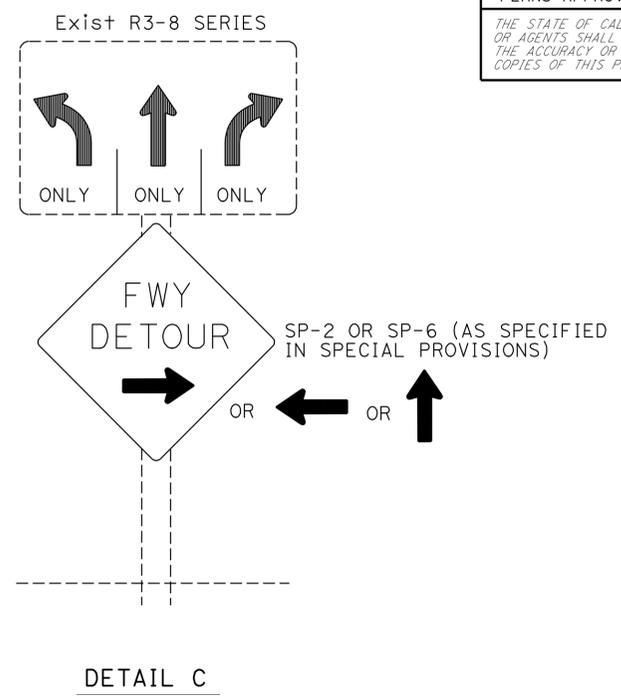
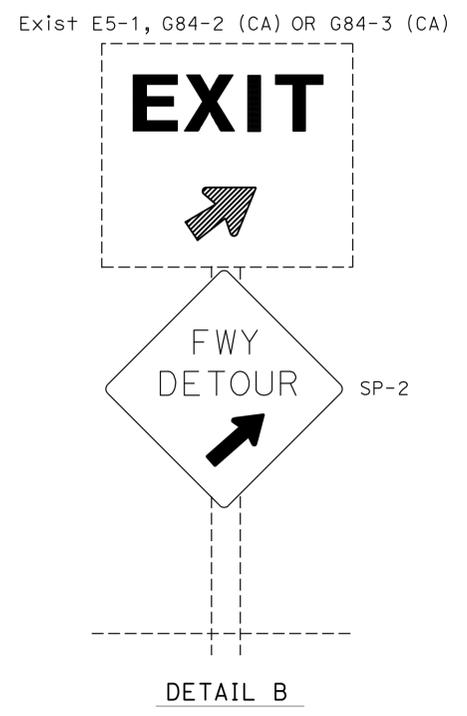
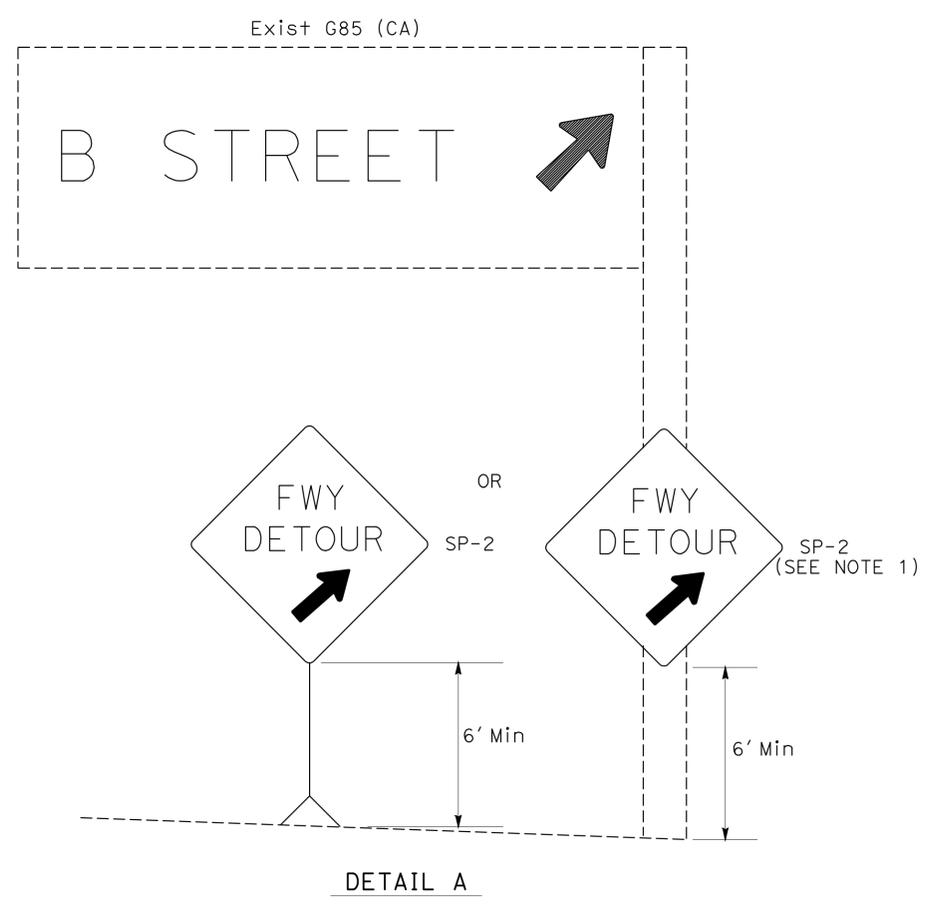
- NOTES:**
1. SP-2 SIGNS SHALL NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
 2. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
 3. SP-2 SIGNS SHALL BE POSTED AT SIGNALIZED INTERSECTIONS ALONG THE DESIGNATED DETOUR ROUTE OR 1/2 MILE MAXIMUM APART.

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR DETOUR SIGN INSTALLATION
ALONG DESIGNATED DETOUR ROUTE
SHEET 1 OF 2
 NO SCALE

THD-8

LAST REVISION DATE PLOTTED => 14-JUN-2011 06-20-11 TIME PLOTTED => 16:25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	605	R3.4/25.8	12	47
<i>Senju Katayama</i> REGISTERED CIVIL ENGINEER			5-24-11 DATE	D. S. KATAYAMA No. C50648 Exp. 9-30-11 CIVIL	
6-20-11 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>					



TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

- NOTES:**
1. TEMPORARY SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POSTS, OR SIGN POSTS.
 2. OMIT DETAIL A AND DETAIL B FOR FULL FREEWAY CLOSURES.
 3. SEE TRAFFIC HANDLING DETAILS PLAN-TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS AND MISCELLANEOUS DETAILS SHEET 2 OF 2 FOR SP-6.

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-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DT M
 FUNCTIONAL SUPERVISOR JOHN YANG
 CHECKED BY JOCELYN C CHIANG
 REVISOR BY ALBERT K YU
 DATE REVISED 8/10
 DESIGNED BY JC

USERNAME => s122436
 DGN FILE => 0700020194me009.dgn

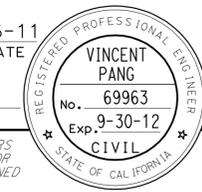
RELATIVE BORDER SCALE IS IN INCHES
 0 1 2 3

UNIT 1882

PROJECT NUMBER & PHASE

07000201941

LAST REVISION DATE PLOTTED => 14-JUN-2011
 06-20-11 TIME PLOTTED => 16:25

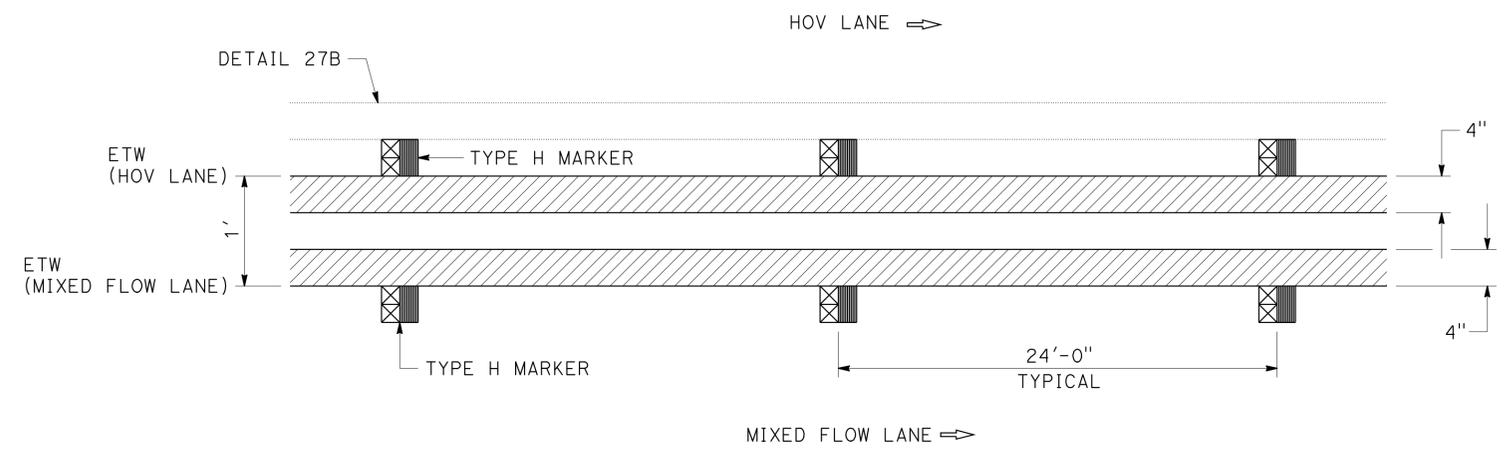
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	605	R3.4/25.8	13	47
 REGISTERED CIVIL ENGINEER			6-6-11 DATE		
6-20-11 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

NOTE:

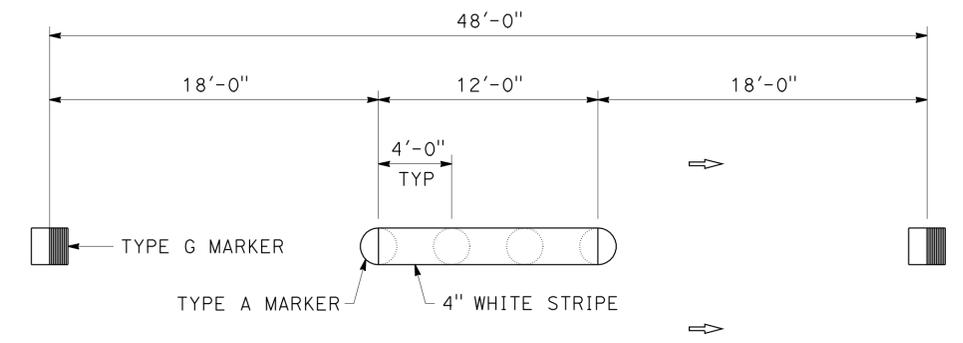
1. SEE PAVEMENT DELINEATION QUANTITIES FOR LOCATION AND TYPES OF TRAFFIC STRIPES AND PAVEMENT MARKINGS TO BE PLACED.

LEGEND:

-  DIRECTION OF TRAFFIC
-  HOV HIGH OCCUPANCY VEHICLE
-  4" WHITE THERMOPLASTIC STRIPE
-  4" YELLOW THERMOPLASTIC STRIPE
-  TYPE G ONE-WAY YELLOW RETROREFLECTIVE MARKER
-  TYPE H ONE-WAY YELLOW RETROREFLECTIVE MARKER



DETAIL M-9 - HOV BUFFER STRIPING



NOTE:

1. APPLY A 4" WIDE THERMOPLASTIC STRIPE ON TOP OF TYPE A MARKERS

DETAIL 13 (MODIFIED)

PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 VINCE PANG
 LARRY WIERING
 LARRY WIERING
 LARRY WIERING

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR
LARRY WIERING

CALCULATED/DESIGNED BY
CHECKED BY

VINCE PANG
LARRY WIERING

REVISED BY
DATE REVISED

REMOVE PAVEMENT DELINEATION QUANTITIES					
DIRECTION	LOCATION	REMOVE TRAFFIC STRIPE	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE PAVEMENT MARKING	REMOVE PAVEMENT MARKER
		LF	SQFT	EA	EA
EB/WB	195TH STREET OC		456		22
NB	HOXIE OH	1,122	1,496		234
	CECILIA STREET UC	154	820		99
	N605-N5&S5 CONNECTOR OC	24	186		14
	BRADWELL OH	32	30		17
	SOUTH CONNECTOR UC	60	80	40	31
	ROUTE 605/10 SEPARATION	212	564	42	119
	NORTH CONNECTOR UC	94	125		47
	N605-E210 CONNECTOR OH	102	816		66
	N605-W210 CONNECTOR OC	235	1,874		143
SB	ROUTE 605/210 SEPARATION		562		45
	HOXIE OH	468	1,496		252
	CECILIA STREET UC	236	820		115
	SOUTH CONNECTOR UC	60	80		31
	ROUTE 605/10 SEPARATION	325	846	11	126
	NORTH CONNECTOR UC	124			58
	SAN GABRIEL RIVER	2,083	1,190		430
SANTA FE BASIN	1,498	2,604	368	469	
SUBTOTAL		6,829	14,045	461	2,318
TOTAL		6,829	14,045	461	2,318

PAVEMENT MARKING QUANTITIES						
DIRECTION	LOCATION	THERMOPLASTIC				
		TYPE VI ARROW	DIAMOND SYMBOL	DIAGONALS (WHITE)	CAR	POOL
		SQFT				
NB	ROUTE 605/10 SEPARATION	42				
SB	ROUTE 605/10 SEPARATION		11			
	SANTA FE BASIN			368		
	SOUTH CONNECTOR OC				17	23
SUBTOTAL		42	11	368	17	23
TOTAL		461				

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	605	R3.4/25.8	14	47

Vincent PANG
 REGISTERED CIVIL ENGINEER DATE 06-6-11
 06-20-11
 PLANS APPROVAL DATE

VINCENT PANG
 No. 69963
 Exp. 9-30-12
 CIVIL

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

PAVEMENT DELINEATION QUANTITIES

PDQ-1

LAST REVISION DATE PLOTTED => 15-AUG-2011 TIME PLOTTED => 14:05

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	605	R3.4/25.8	15	47

06-6-11
 REGISTERED CIVIL ENGINEER DATE
 06-20-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
VINCENT PANG
 No. 69963
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

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

PAVEMENT DELINEATION QUANTITIES																					
DIRECTION	LOCATION	THERMOPLASTIC TRAFFIC STRIPE							PAVEMENT MARKERS												
		DETAIL							DETAIL												
		9	13 (Mod)	M-9	22	25	27B	38B	37	13 (Mod)	37	22	9	13 (Mod)	38B	38B	25	27			
		4" WHITE (BROKEN 17-7)	4" WHITE (BROKEN 36-12)	4" SOLID DOUBLE YELLOW	4" SOLID DOUBLE YELLOW	4" SOLID YELLOW	4" SOLID WHITE	8" SOLID WHITE	8" WHITE (BROKEN 12-3)	(NON-REFLECTIVE)	(RETROREFLECTIVE)										
									TYPE A	TYPE C	TYPE D	TYPE G			TYPE H						
		LF							EA												
EB/WB	195TH STREET OC				456							22									
NB	HOXIE OH		1,496	748				748	374				128			36	18	34		18	
	CECILIA STREET UC	30	615	410				410					52			16		20		11	
	N605-N5&S5 CONNECTOR OC		93				93	93					8			3				3	
	BRADWELL OH		120					30					8		2	5				2	
	SOUTH CONNECTOR UC		240					80					20			8				3	
	ROUTE 605/10 SEPARATION		846	564				282					72			21		26			
	NORTH CONNECTOR UC		375					125					32			11				4	
	N605-E210 CONNECTOR OH		408				408	408					36			10			10	10	
	N605-W210 CONNECTOR OC		937				937	937					80			21			21	21	
ROUTE 605/210 SEPARATION						281	281					24			7			7	7		
SB	HOXIE OH		1,870	748				748					156			44		34		18	
	CECILIA STREET UC		615	410				410	205				52	16		16		20		11	
	SOUTH CONNECTOR UC		240					80					20			8				3	
	ROUTE 605/10 SEPARATION		846	564				282					72			21		26		7	
	NORTH CONNECTOR UC		495										44			14					
	SAN GABRIEL RIVER		3,570				1,190	1,190					300			78			26	26	
	SANTA FE BASIN		3,906				1,302	1,302					328			85			28	28	
	SUBTOTAL	30	16,672	3,444	456	4,211	7,406	374	205				1432	16	22	2	404	18	160	92	152
	TOTAL	30	16,672		12,447			374	205				1432				866				

PAVEMENT DELINEATION QUANTITIES

PDQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: LARRY WIERING

DESIGNED BY: VINCE PANG

CHECKED BY: LARRY WIERING

REVISOR: LARRY WIERING

DATE REVISION: 06-20-11

LAST REVISION: 06-20-11
 DATE PLOTTED => 19-JUL-2011
 TIME PLOTTED => 09:39

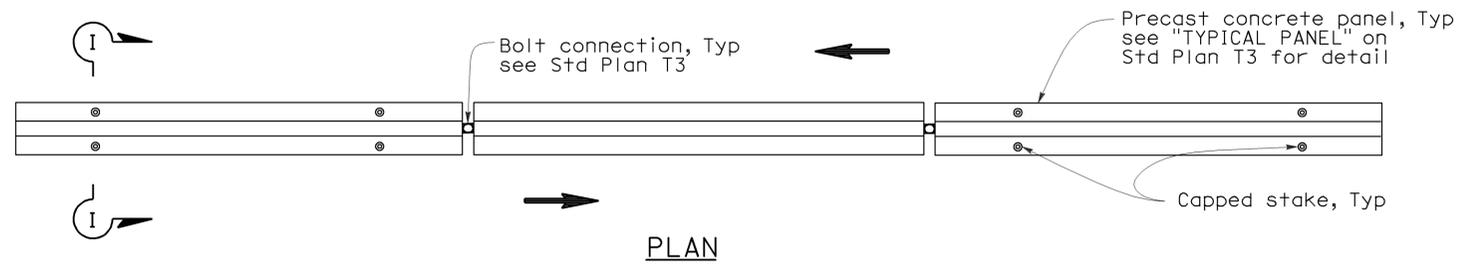
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	605	R3.4/25.8	16	47

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

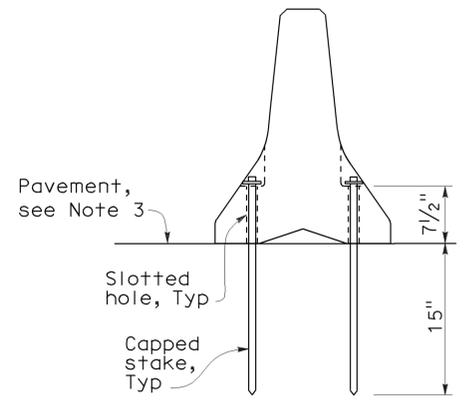
May 20, 2011
PLANS APPROVAL DATE

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

To accompany plans dated 6-20-11



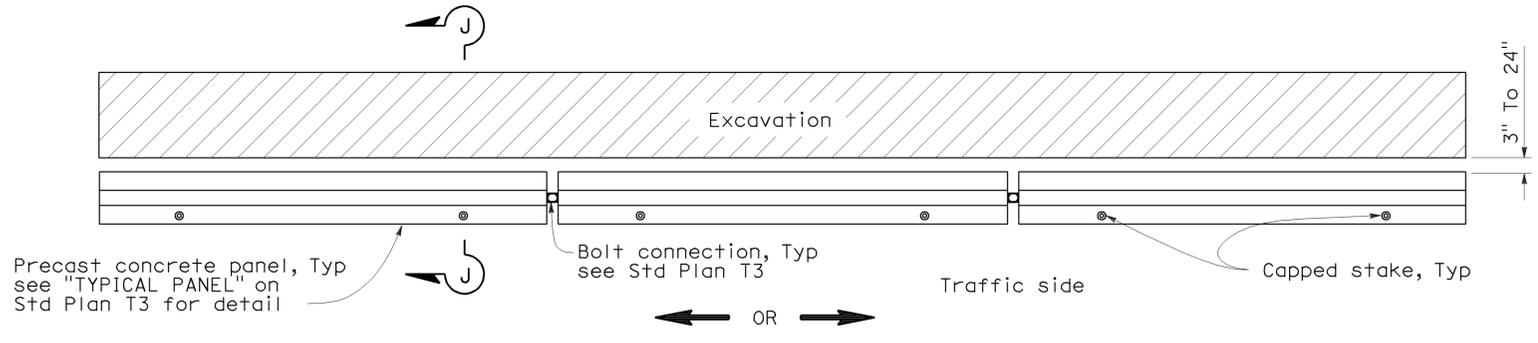
RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC
See Note 1



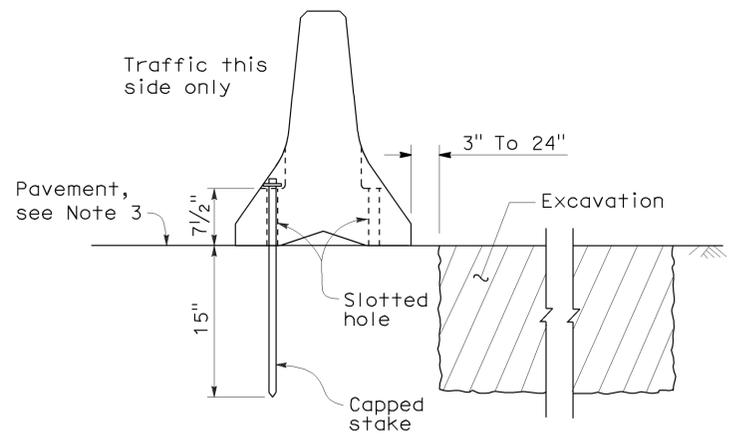
SECTION I-I

NOTES:

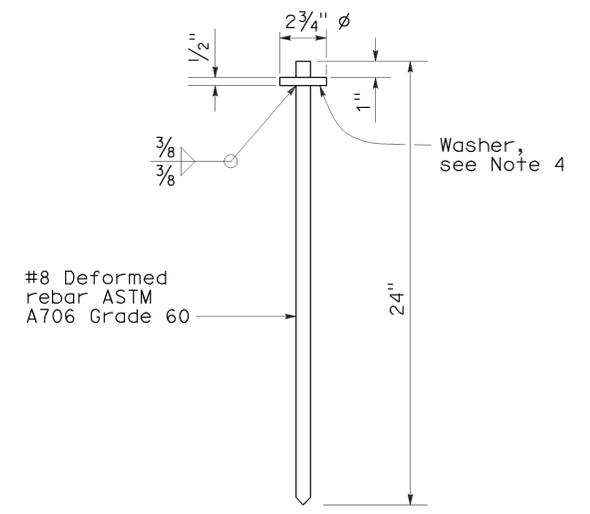
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of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



RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION
See Note 2



SECTION J-J



CAPPED STAKE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY RAILING
(TYPE K)**

NO SCALE

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

2006 NEW STANDARD PLAN NSP T3A

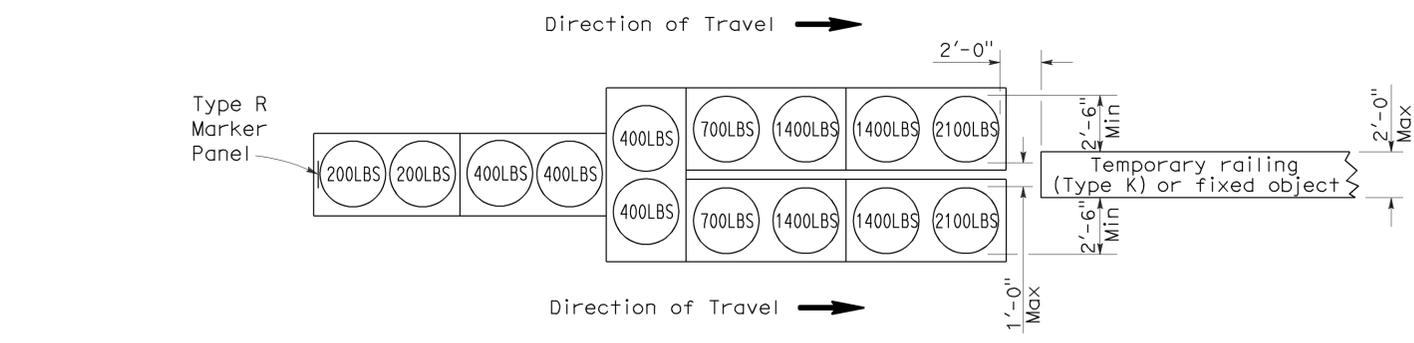
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	605	R3.4/25.8	17	47

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

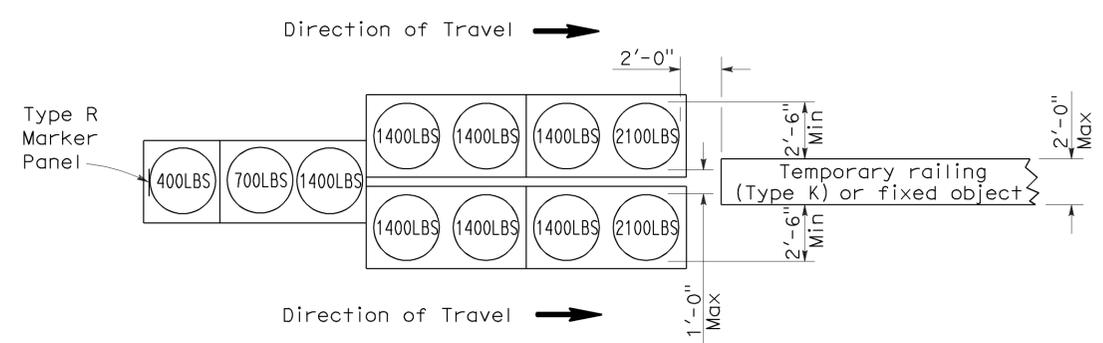
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 6-20-11



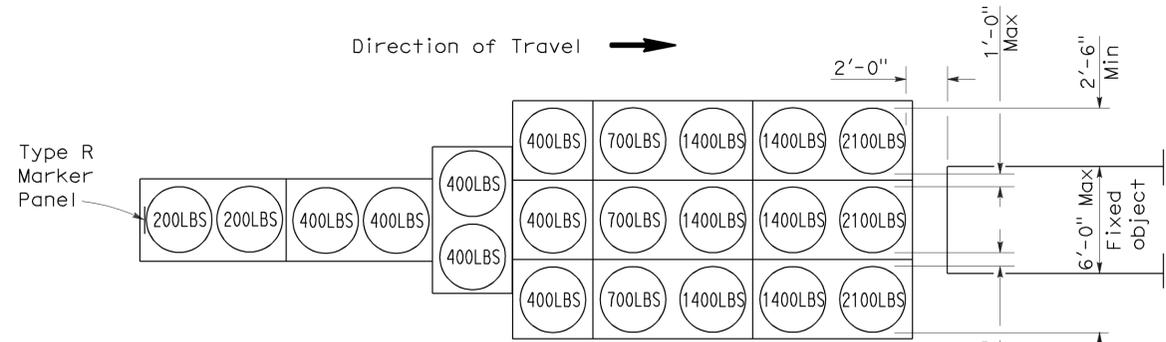
ARRAY 'TU14'

Approach speed 45 mph or more



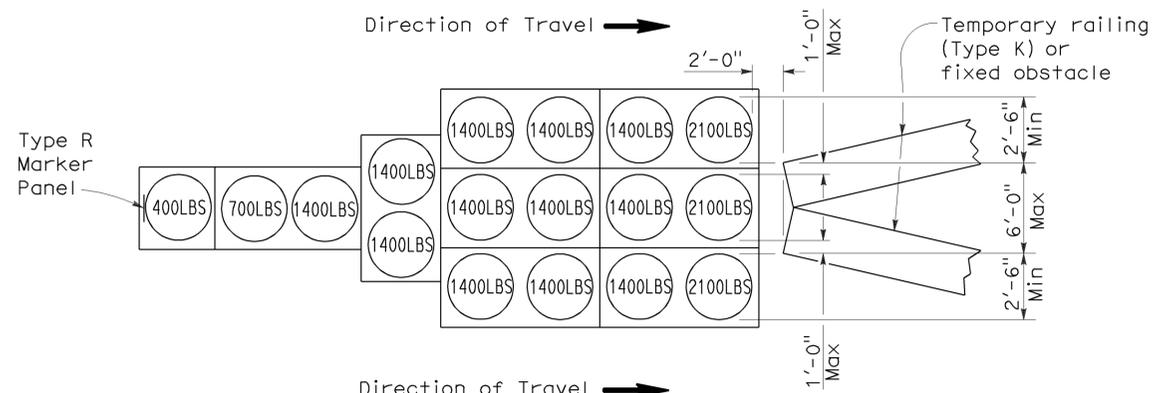
ARRAY 'TU11'

Approach speed less than 45 mph



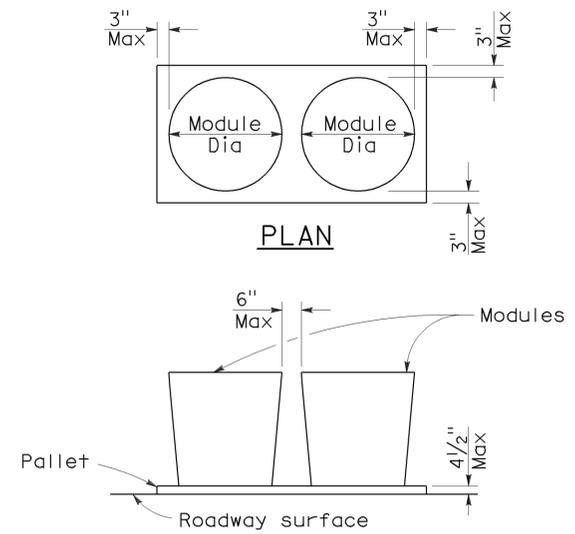
ARRAY 'TU21'

Approach speed 45 mph or more



ARRAY 'TU17'

Approach speed less than 45 mph



CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	605	R3.4/25.8	18	47

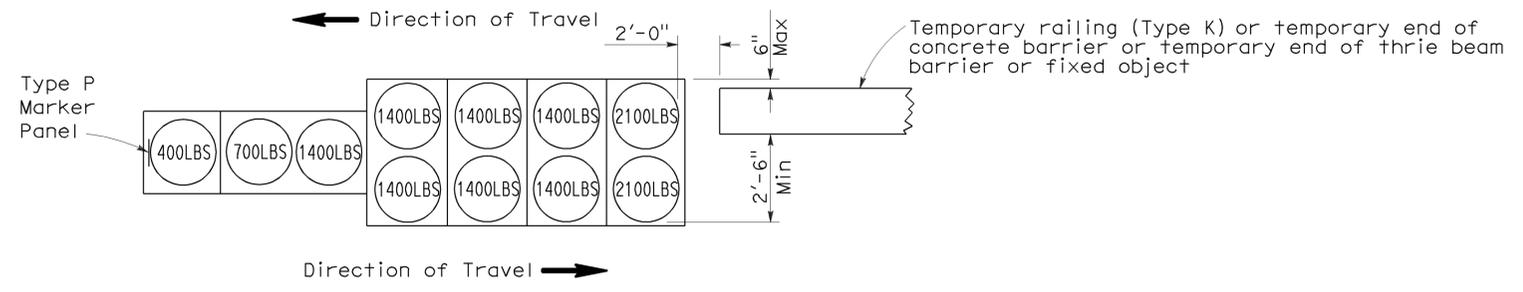
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

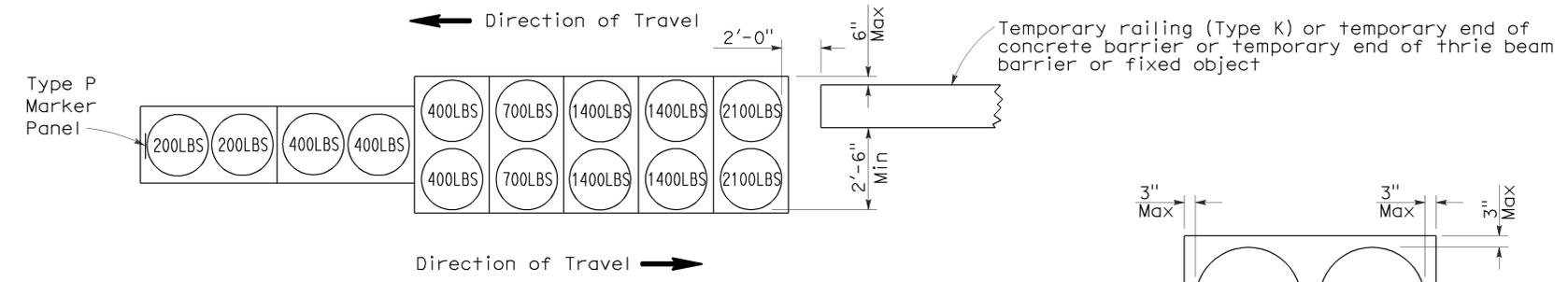
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 6-20-11



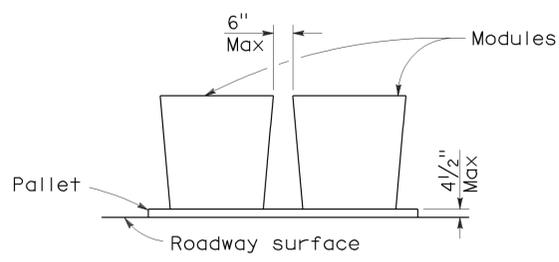
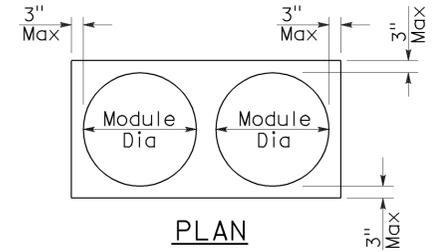
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL
See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

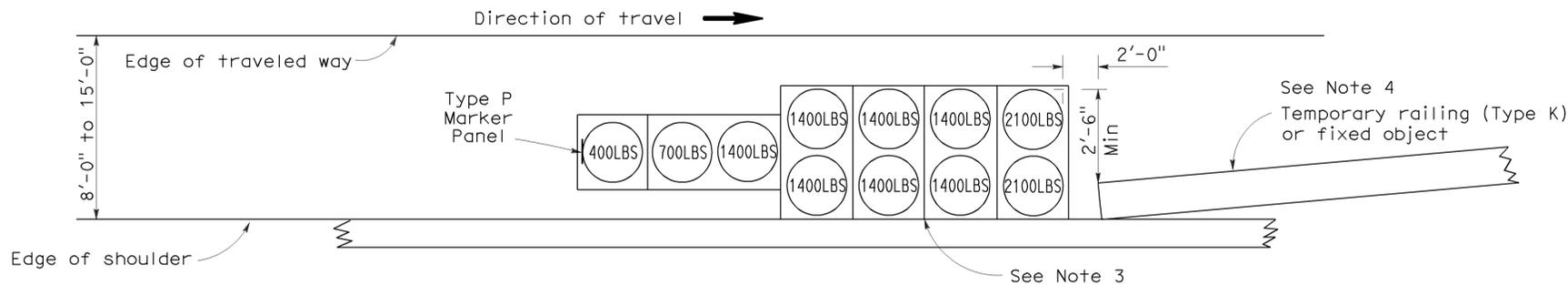
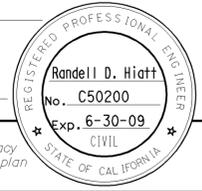
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	605	R3.4/25.8	19	47

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

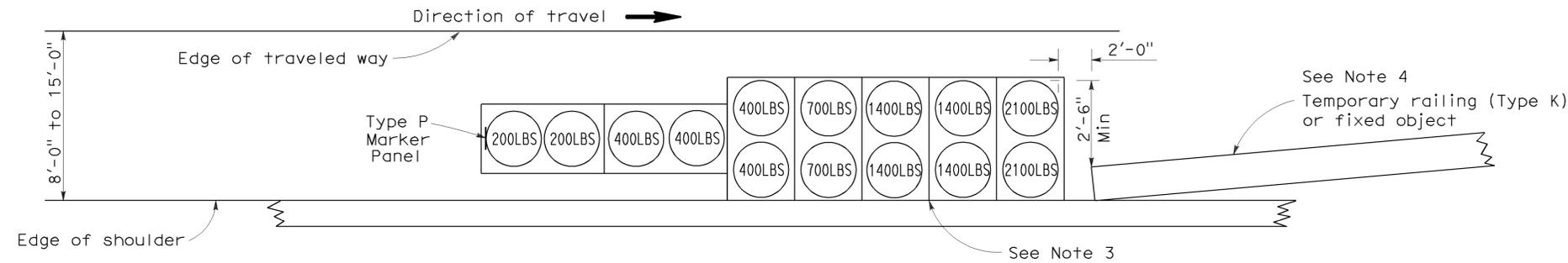
June 6, 2008
PLANS APPROVAL DATE

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 6-20-11



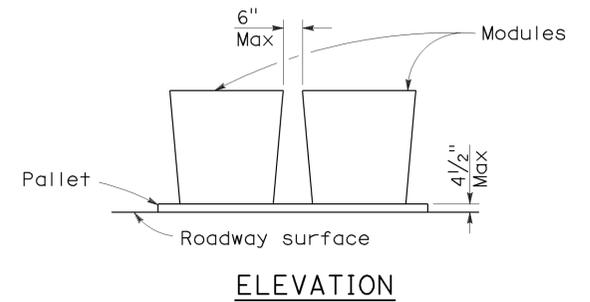
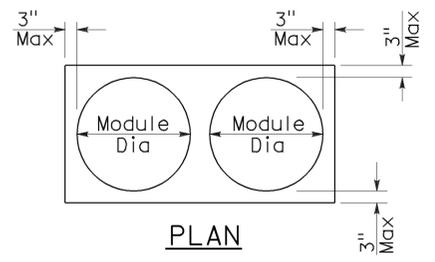
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



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

NOTES:

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



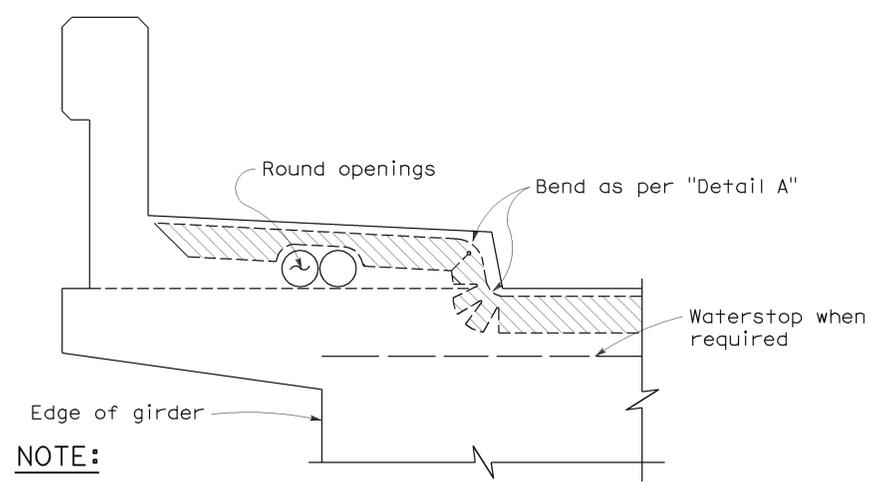
CRASH CUSHION PALLET DETAIL
See Note 11

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

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

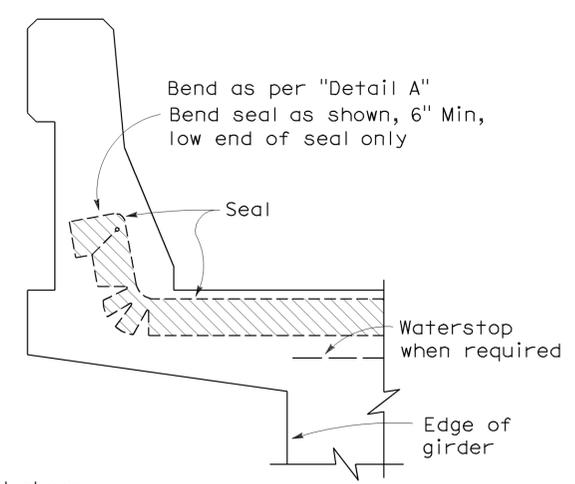
REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

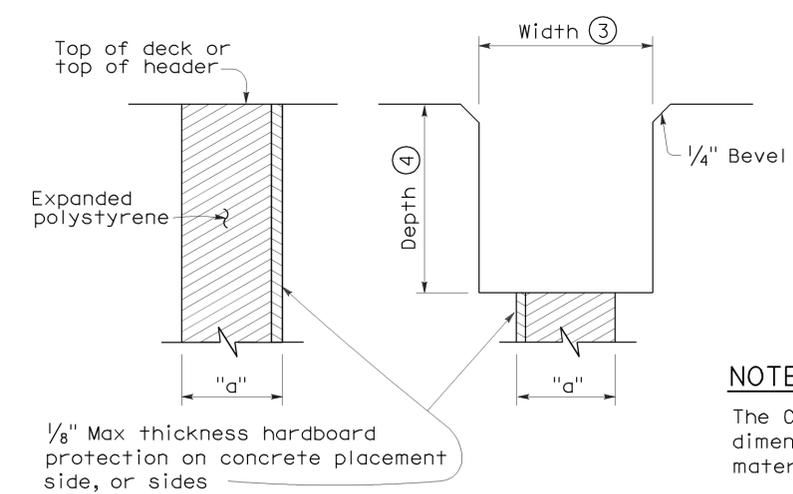


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



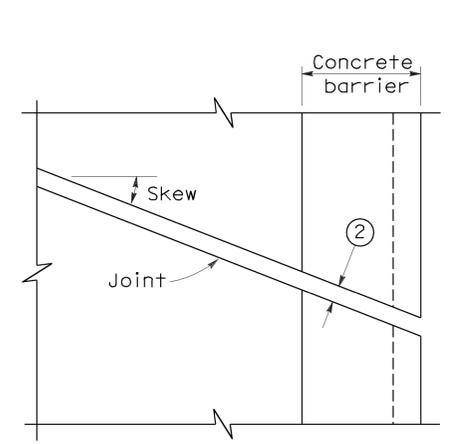
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

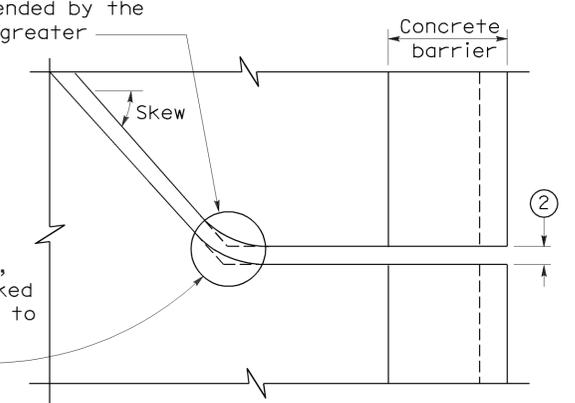
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



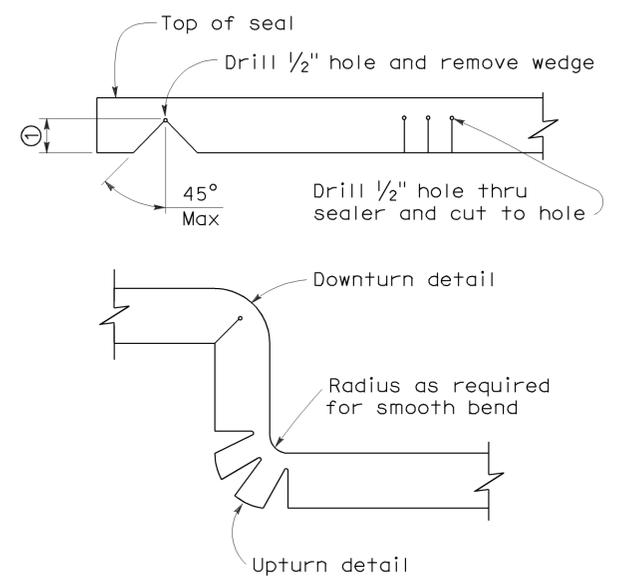
PLAN OF JOINT (SKEW ≤ 20°)

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



PLAN OF JOINT (SKEW > 20°)

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



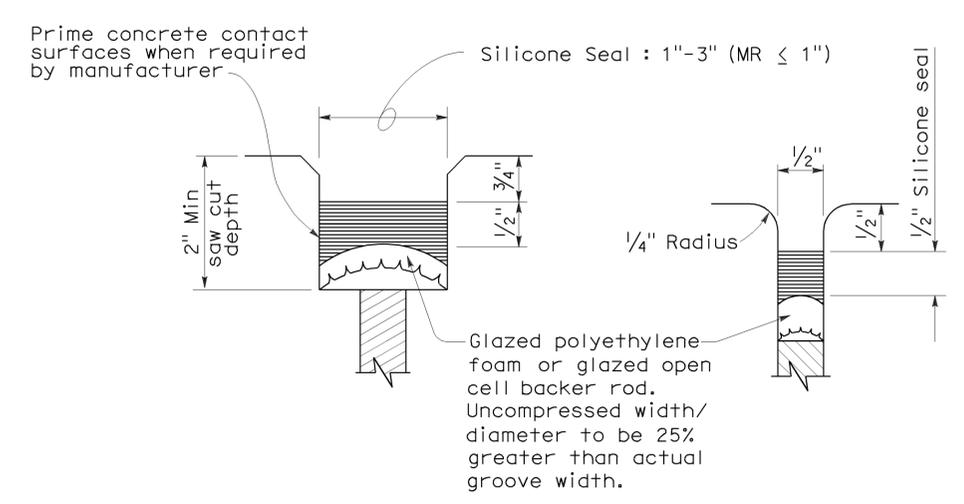
DETAIL A

NOTES:

- Make smooth cuts from the bottom of seal to 1 1/2" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
- Opening in barrier to match width of sawn deck joint.
- Sawcut groove widths shall be as ordered by the Engineer.
- Depth of sawcut: Type A - Depth to be 2" minimum.
 Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (W₂) plus dimensions shown.
- MR (movement rating) as shown on other plan sheets.
- Other depths must be approved by the Engineer.

DIMENSIONS "a" OF JOINT REQUIRED

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

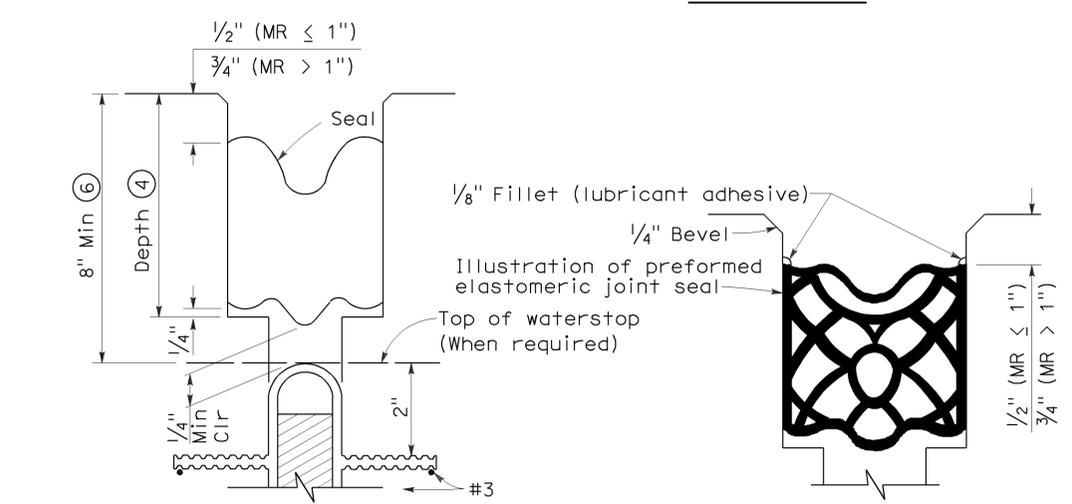


TYPE A SEAL

Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



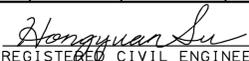
TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W₂)

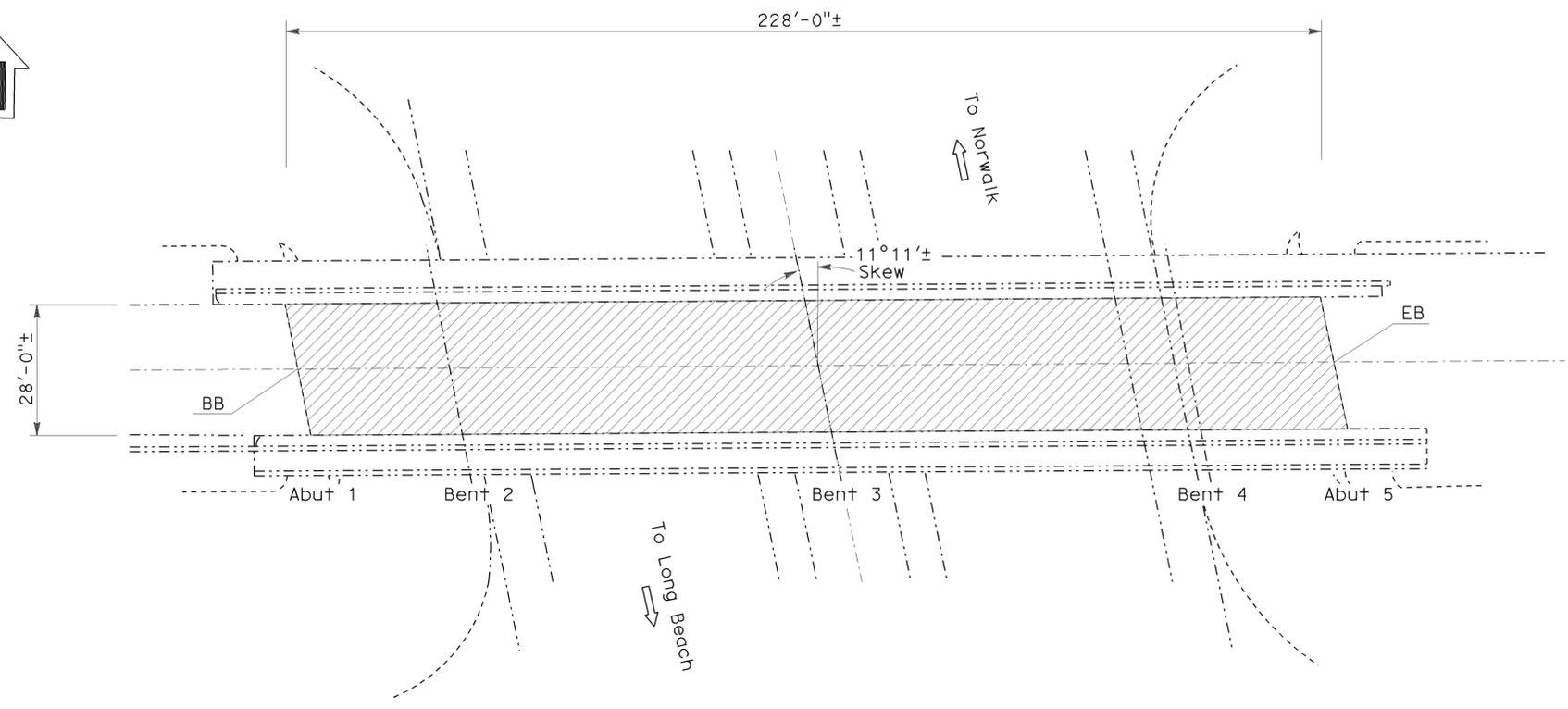
TYPE B SEAL

Movement Rating ≤ 2"

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

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	22	47
 REGISTERED CIVIL ENGINEER			4-14-11	DATE	
6-20-11 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.					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



1 195TH STREET OVERCROSSING
 Br No. 53-1710, Rte 605, PM R3.40
 No Scale

INDEX TO PLANS

SHEET No.	TITLE
1	GENERAL PLAN No. 1
2	GENERAL PLAN No. 2
3	GENERAL PLAN No. 3
4	GENERAL PLAN No. 4
5	GENERAL PLAN No. 5
6	GENERAL PLAN No. 6
7	GENERAL PLAN No. 7
8	GENERAL PLAN No. 8
9	GENERAL PLAN No. 9
10	GENERAL PLAN No. 10
11	GENERAL PLAN No. 11
12	GENERAL PLAN No. 12
13	GENERAL PLAN No. 13
14	GENERAL PLAN No. 14
15	GENERAL PLAN No. 15
16	GENERAL PLAN No. 16
17	GENERAL PLAN Nos. 17 & 18
18	GENERAL PLAN No. 19
19	GENERAL PLAN No. 20
20	GENERAL PLAN No. 21
21	GENERAL PLAN No. 22
22	STRUCTURE APPROACH TYPE R (30D)
23	STRUCTURE APPROACH TYPE R (30S)
24	DECK REPAIR DETAILS
25	JOINT SEAL TABLE & DETAILS
26	JOINT SEAL ASSEMBLY (MR = 4" MAX.)

195 TH STREET OC	QUANTITIES	BRIDGE NO. 53-1710
REMOVE UNSOUND CONCRETE	21 CF	
CLEAN BRIDGE DECK	6,384 SQFT	
RAPID SETTING CONCRETE (PATCH)	21 CF	
TREAT BRIDGE DECK	6,384 SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	71 GAL	
PUBLIC SAFETY PLAN	LUMP SUM	

LEGEND:

- Indicates existing structure
- ⇒ Indicates direction of traffic
-  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. See "DECK REPAIR DETAILS" sheet.
- ⊖ Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

STANDARD PLANS DATED MAY 2006

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

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


 DESIGN ENGINEER 4-14-11

DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: AND HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

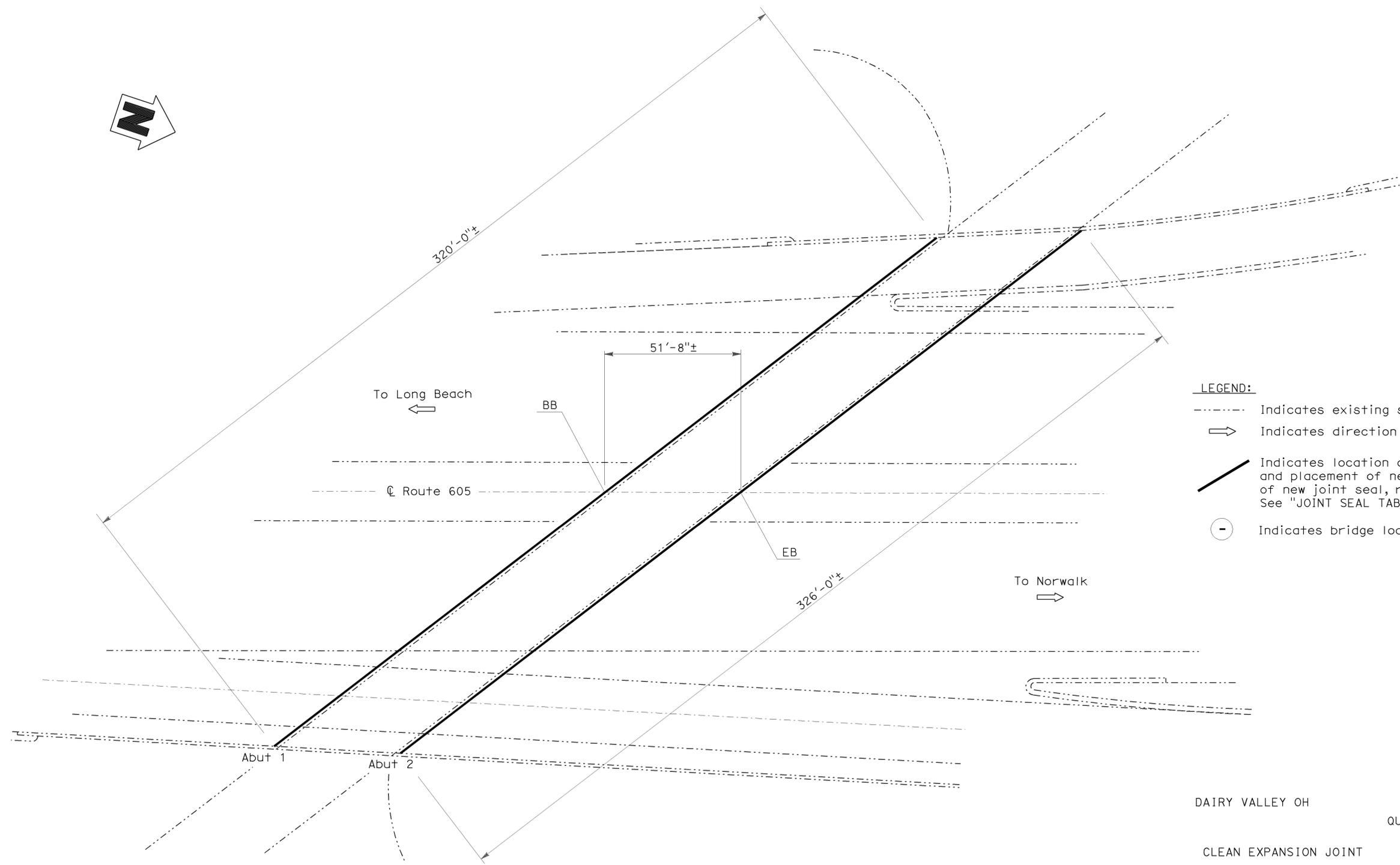
BRIDGE NO.
53-1710
 POST MILE
R3.40

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

195TH STREET OVERCROSSING
GENERAL PLAN No. 1

TIME PLOTTED => 13:40 USERNAME => s114592 DATE PLOTTED => 01-JUN-2011

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	23	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11 DATE		
6-20-11 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.		
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



LEGEND:

- Indicates existing structure
- ➔ Indicates direction of traffic
- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls per Engineer's direction. See "JOINT SEAL TABLE AND DETAILS" sheet.
- Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

DAIRY VALLEY OH	BRIDGE NO. 53-1721
QUANTITIES	
CLEAN EXPANSION JOINT	646 LF
JOINT SEAL (MR 1/2")	646 LF

② DAIRY VALLEY OVERHEAD
 Br No. 53-1721, Rte 605, PM R4.71
 No Scale

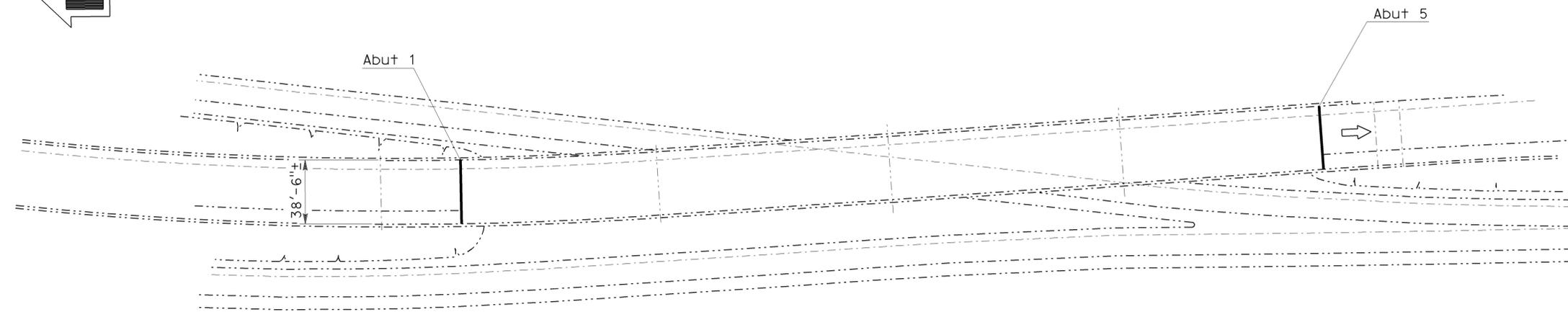
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

 DESIGN ENGINEER 4-14-11	DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	53-1721
		POST MILE	R4.71
		DAIRY VALLEY OVERHEAD GENERAL PLAN No. 2	

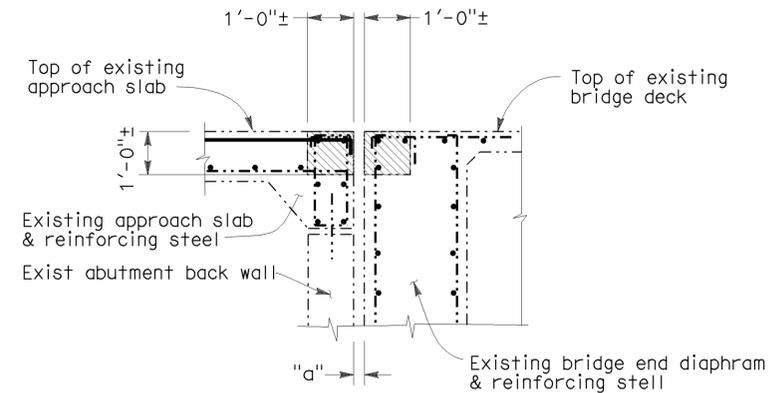
REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS	
BRIDGE NO.	53-1721
POST MILE	R4.71
DAIRY VALLEY OVERHEAD GENERAL PLAN No. 2	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	24	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11	DATE	
6-20-11 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.					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



③ E105-S605/S605-ROSECRANS AVE OC
 Br No. 53-2704G Rte 605, PM R6.83
 No Scale

- LEGEND:**
- Indicates existing structure
 - ➔ Indicates direction of traffic
 - /— Indicates location of existing joint seal assembly removal and placement of new joint seal assembly. See "Joint Seal Details" on this sheet and "JOINT SEAL ASSEMBLY" sheet.
 - ▨ Indicates limits of remove existing bridge and joint seal assembly, place new structure concrete and joint seal assembly. Retain existing deck and approach slab reinforcing steel.
 - - Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.



Note:
 Not all the existing deck/slab reinforcing steel shown.
 Joint seal assembly not shown.

JOINT SEAL DETAIL @ BB & EB

TEMPORARY DECKING DESIGN LOAD CRITERIA		
MOMENT DEMAND/FOOT (Kip-ft/ft)	BOLT SHEAR/FOOT (Kip-ft)	BOLT TENSION (kip)
9.6	4.5	5.6

Plate deflection shall not exceed $s/300$ (s = span of plate).
 Plate thickness shall be $\geq 7/8"$
 Anchorage washer shall be neoprene or similar.

E105-S605/S605-ROSECRANS AVE OC	BRIDGE NO. 53-2704G
QUANTITIES	
BRIDGE REMOVAL (PORTION)	LUMP SUM
STRUCTURAL CONCRETE, BRIDGE	6 CY
JOINT SEAL ASSEMBLY (MR 4")	80 LF

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

Kenneth R. Brown
 DESIGN ENGINEER 4-14-11

DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti
				PLANS AND SPECS COMPARED
				CHECKED H. Su

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

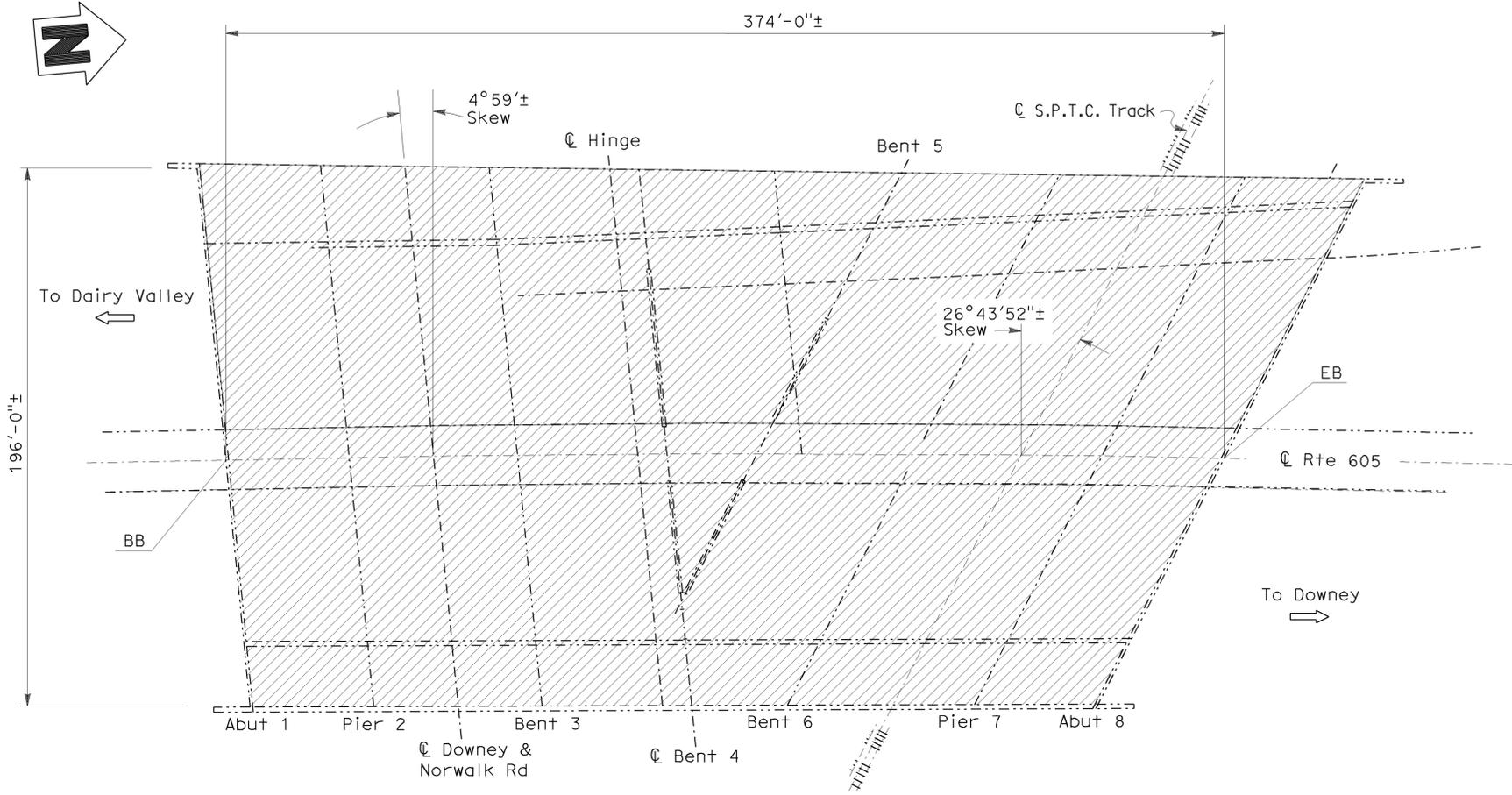
BRIDGE NO. 53-2704G
 POST MILE R6.83

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

E105-S605-ROSECRANS AVE OC
GENERAL PLAN No. 3

USERNAME => s114592 DATE PLOTTED => 01-JUN-2011 TIME PLOTTED => 13:41

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	25	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11	DATE	
6-20-11 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.					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



LEGEND:

- Indicates existing structure
- ⇒ Indicates direction of traffic
- ▨ Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete. See "DECK REPAIR DETAILS" sheet.
- Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

4 HOXIE OVERHEAD
 Br No. 53-1652, Rte 605, PM R8.23
 No Scale

HOXIE OH	BRIDGE NO. 53-1652
QUANTITIES	
REMOVE UNSOUND CONCRETE	250 CF
CLEAN BRIDGE DECK	75,000 SQFT
RAPID SETTING CONCRETE (PATCH)	250 CF
TREAT BRIDGE DECK	75,000 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	842 GAL
PUBLIC SAFETY PLAN	LUMP SUM

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

 DESIGN ENGINEER 4-14-11	DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.	53-1652
POST MILE	R8.23

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

**HOXIE OVERHEAD
 GENERAL PLAN No. 4**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	27	47

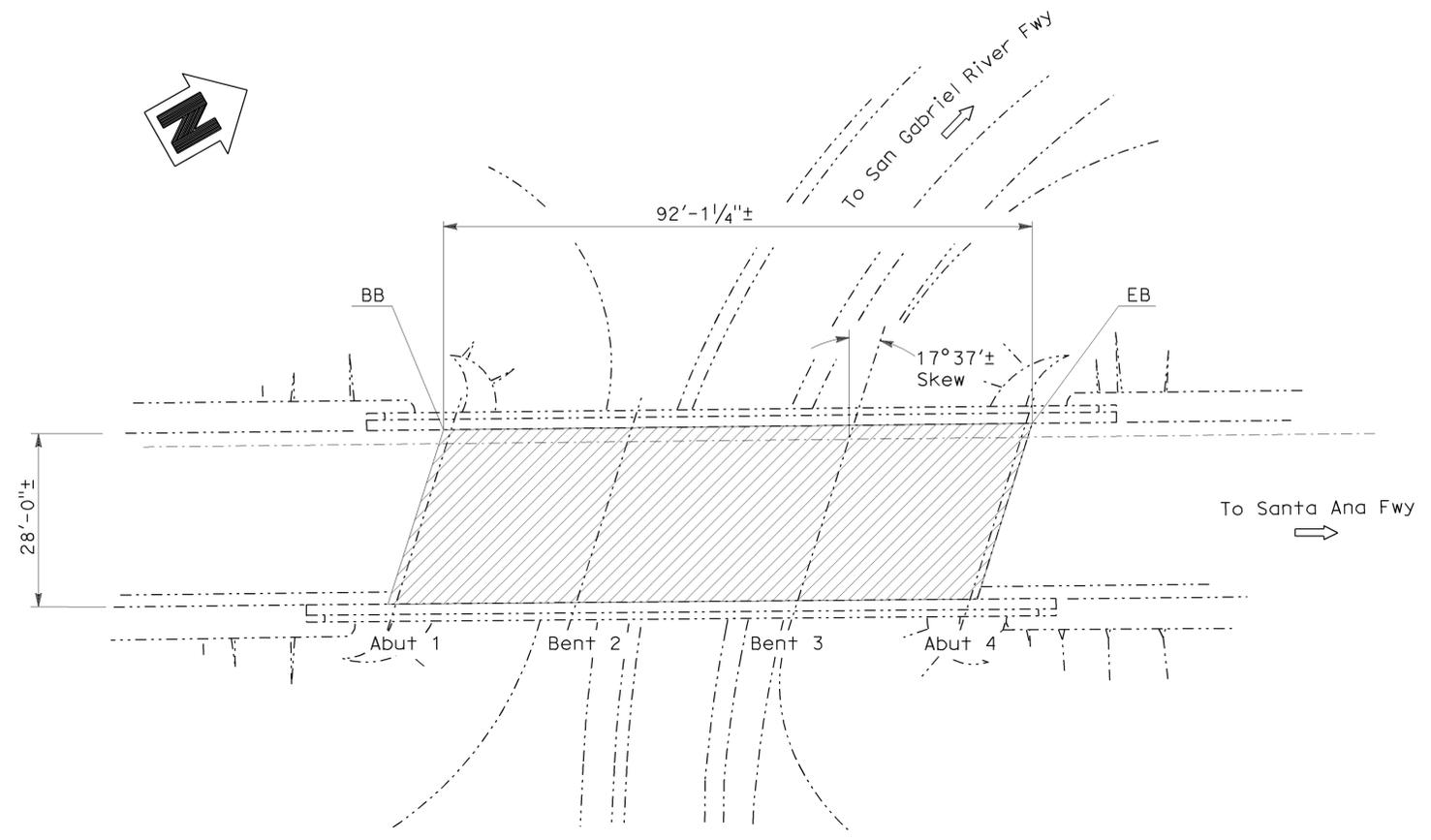
Hongyuan Su 4-14-11
REGISTERED CIVIL ENGINEER DATE

6-20-11
PLANS APPROVAL DATE

HONGYUAN. SU
No. C58260
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 electronic copies of this plan sheet.

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



LEGEND:

- Indicates existing structure
- ➔ Indicates direction of traffic
- ▨ Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete. See "DECK REPAIR DETAILS" sheet.
- ⊖ Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

⑥ N605-N5&S5 CONNECTOR OC
Br No. 53-1655G, Rte 605, PM R9.22
No Scale

N605-N5&S5 CONNECTOR OC	BRIDGE NO. 53-1655G
QUANTITIES	
REMOVE UNSOUND CONCRETE	9 CF
CLEAN BRIDGE DECK	2,580 SQFT
RAPID SETTING CONCRETE (PATCH)	9 CF
TREAT BRIDGE DECK	2,580 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	29 GAL

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

Kenneth R Brown
DESIGN ENGINEER 4-14-11

DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti
			PLANS AND SPECS COMPARED	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

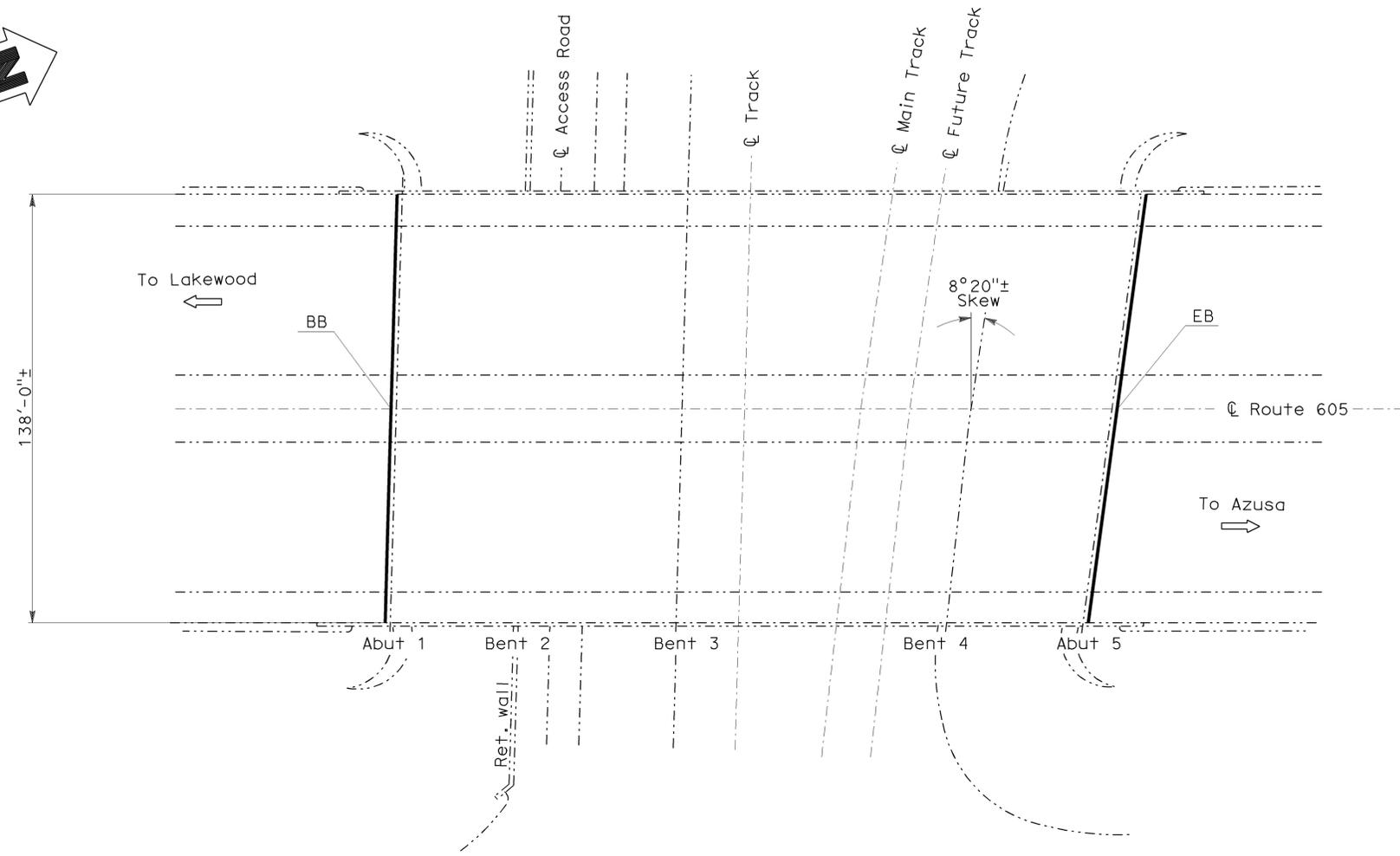
BRIDGE NO.	53-1655G
POST MILE	R9.22

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

N605-N5&S5 CONNECTOR OC
GENERAL PLAN No. 6

TIME PLOTTED => 13:41
01-JUN-2011
USERNAME => s114592 DATE PLOTTED => 01-JUN-2011

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	28	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11	DATE	
6-20-11 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.			HONGYUAN. SU No. C58260 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA		
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



LEGEND:

- Indicates existing structure
- ⇒ Indicates direction of traffic
- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls per Engineer's direction. See "JOINT SEAL TABLE AND DETAILS" sheet.
- - Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

7 LOS NIETOS OVERHEAD
 Br No. 53-1663, Rte 605, PM R11.20
 No Scale

LOS NIETOS OH	BRIDGE NO. 53-1663
CLEAN EXPANSION JOINT	277 LF
JOINT SEAL (MR 1")	277 LF

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

Kenneth R. Brown
 DESIGN ENGINEER 4-14-11

DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

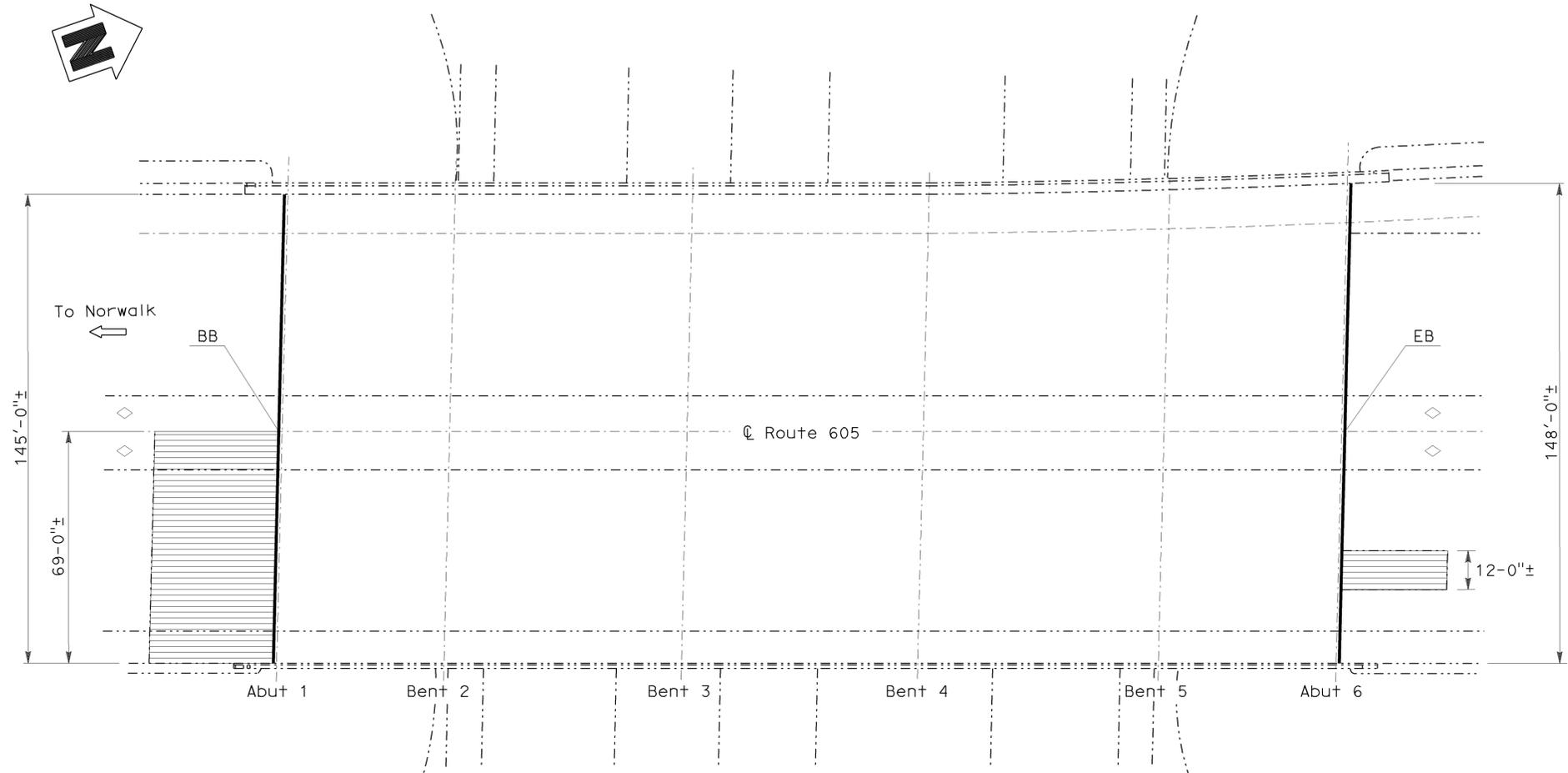
BRIDGE NO.	53-1663
POST MILE	R11.20

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

LOS NIETOS OVERHEAD
GENERAL PLAN No. 7

USERNAME => s114592 DATE PLOTTED => 01-JUN-2011 TIME PLOTTED => 13:42

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	29	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11	DATE	
6-20-11 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.					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



LEGEND:

- Indicates existing structure
- ⇒ Indicates direction of traffic
- ▨ Indicates limits of placing structure approach Type R (30D). See "STRUCTURE APPROACH TYPE R (30D)" sheet for details. Paving notch extension is required.
- /— Indicates location of existing joint seal removal and placement of new joint seal, repair joint spalls per Engineer's direction. See "JOINT SEAL TABLE AND DETAILS" sheet.
- Indicates bridge location, see "TITLE AND LOCATION MAP" sheet.

8 BRADWELL OVERHEAD
 Br No. 53-1664, Rte 605, PM R11.39
 No Scale

BRADWELL OH	BRIDGE NO. 53-1664
QUANTITIES	
AGGREGATE BASE (APPROACH SLAB)	9 CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	90 CY
PAVING NOTCH EXTENSION	62 CF
CLEAN EXPANSION JOINT	212 LF
JOINT SEAL (MR 2")	293 LF

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

Kenneth R. Brown
 DESIGN ENGINEER 4-14-11

DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti
				PLANS AND SPECS COMPARED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

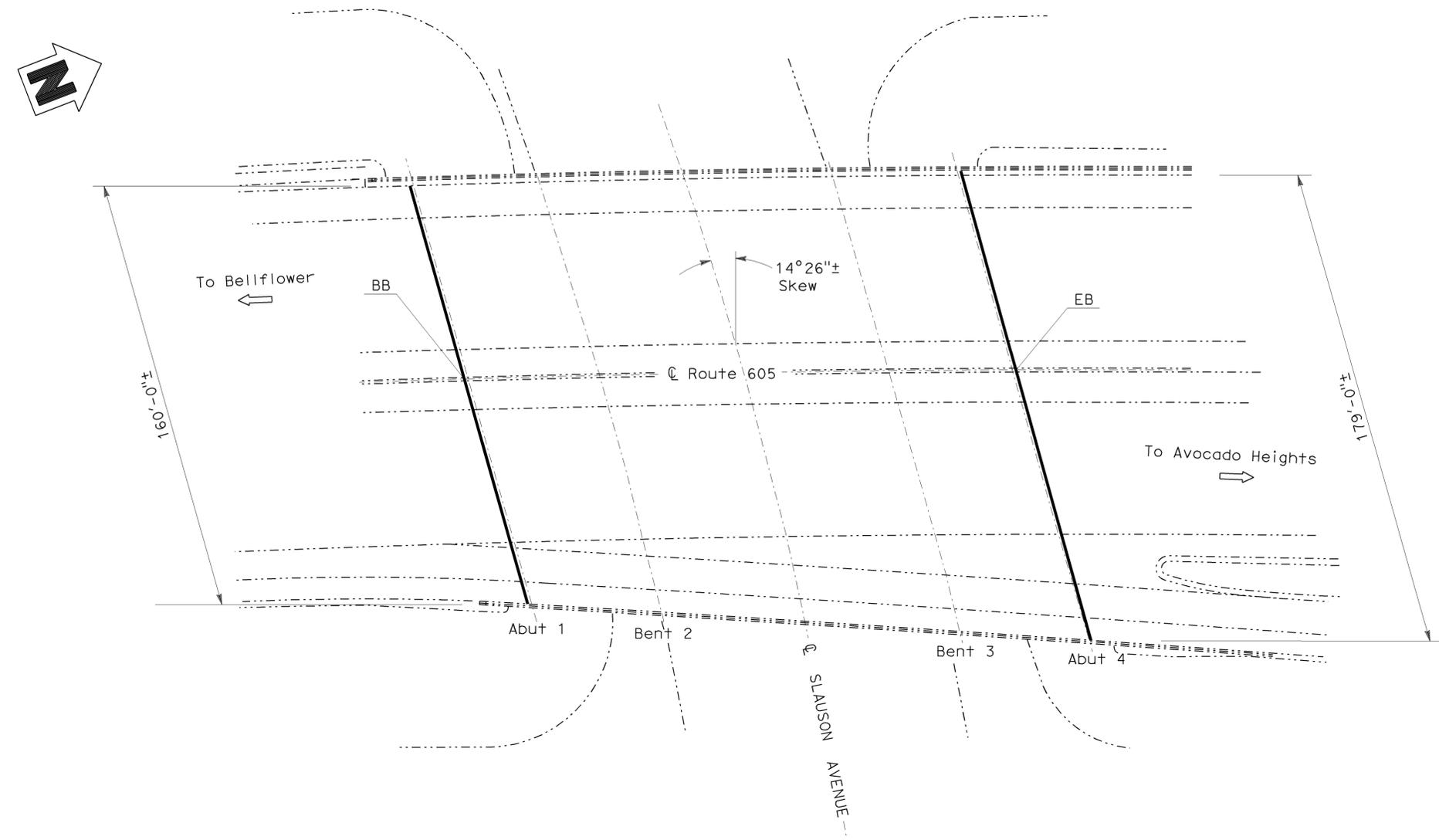
DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.	53-1664
POST MILE	R11.39

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

BRADWELL OVERHEAD
GENERAL PLAN No. 8

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	30	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11	DATE	
6-20-11 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.					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



LEGEND:

- - - - - Indicates existing structure
- ⇨ Indicates direction of traffic
- / — Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls per Engineer's direction. See "JOINT SEAL TABLE AND DETAILS" sheet.
- - Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

9 SLAUSON AVENUE UNDERCROSSING
 Br No. 53-1665, Route 605, PM R11.54
 No Scale

SLAUSON AVENUE UC	BRIDGE NO. 53-1665
CLEAN EXPANSION JOINT	339 LF
JOINT SEAL (MR 1")	339 LF

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

 DESIGN ENGINEER 4-14-11	DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	53-1665
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros			POST MILE	R11.54
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti			PLANS AND SPECS COMPARED	

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

SLAUSON AVENUE UNDERCROSSING

GENERAL PLAN No. 9

USERNAME => s114592 DATE PLOTTED => 01-JUN-2011 TIME PLOTTED => 13:42

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	31	47

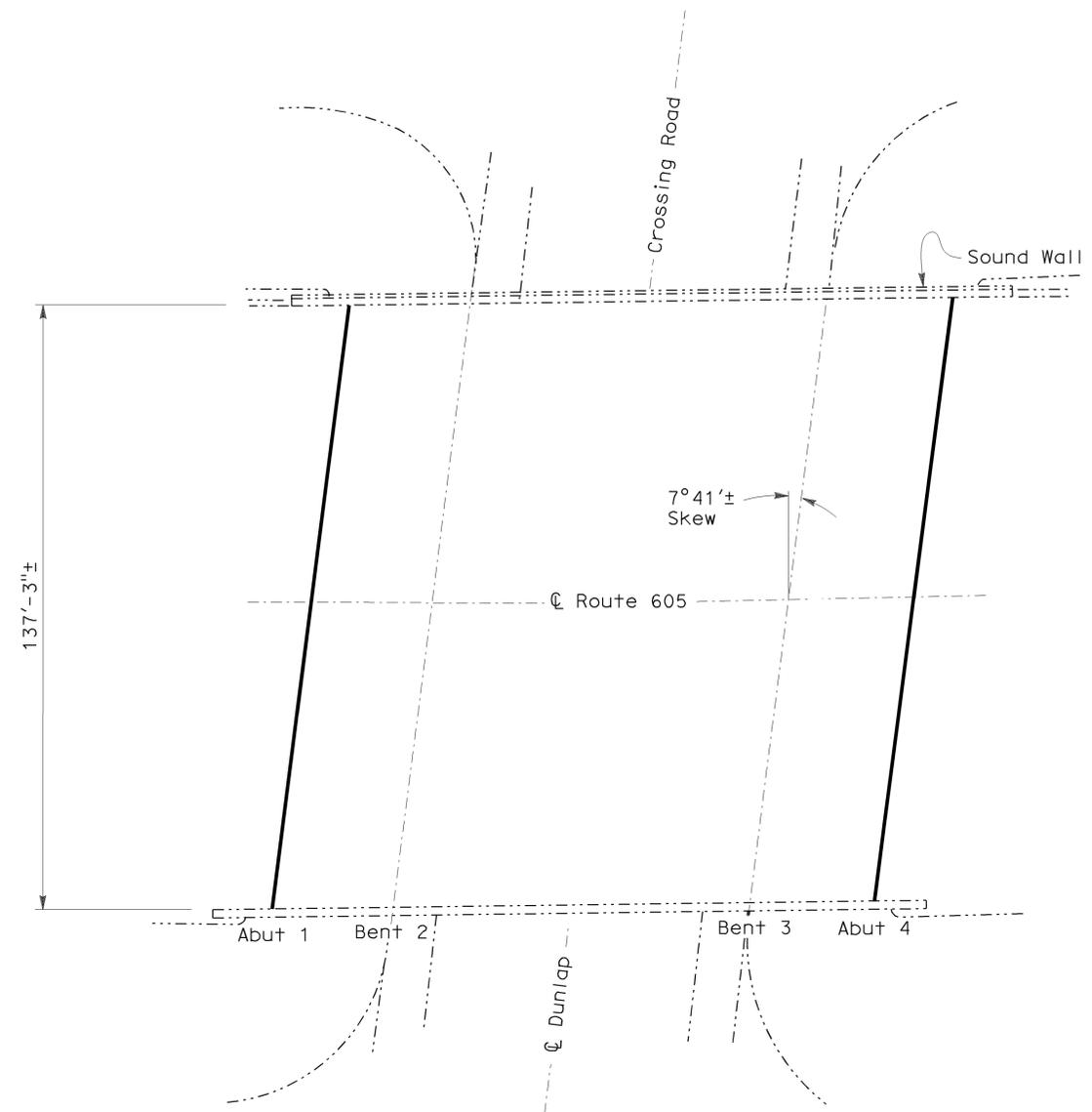
Hongyuan Su 4-14-11
REGISTERED CIVIL ENGINEER DATE

6-20-11
PLANS APPROVAL DATE

HONGYUAN. SU
No. C58260
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 electronic copies of this plan sheet.

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



LEGEND:

- Indicates existing structure
- ⇒ Indicates direction of traffic
- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls per Engineer's direction. See "JOINT SEAL TABLE AND DETAILS" sheet.
- Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

10 DUNLAP CROSSING ROAD UC
Br No. 53-1669, Rte 605, PM R12.85
No Scale

DUNLAP CROSSING ROAD UC	BRIDGE NO. 53-1669
CLEAN EXPANSION JOINT	276 LF
JOINT SEAL (MR 1")	276 LF

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

<i>Kenneth R. Brown</i> DESIGN ENGINEER 4-14-11	DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.	53-1669
POST MILE	R12.85

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

DUNLAP CROSSING ROAD UC

GENERAL PLAN No. 10

TIME PLOTTED => 13:42
DATE PLOTTED => 01-JUN-2011
USERNAME => s114592

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	32	47

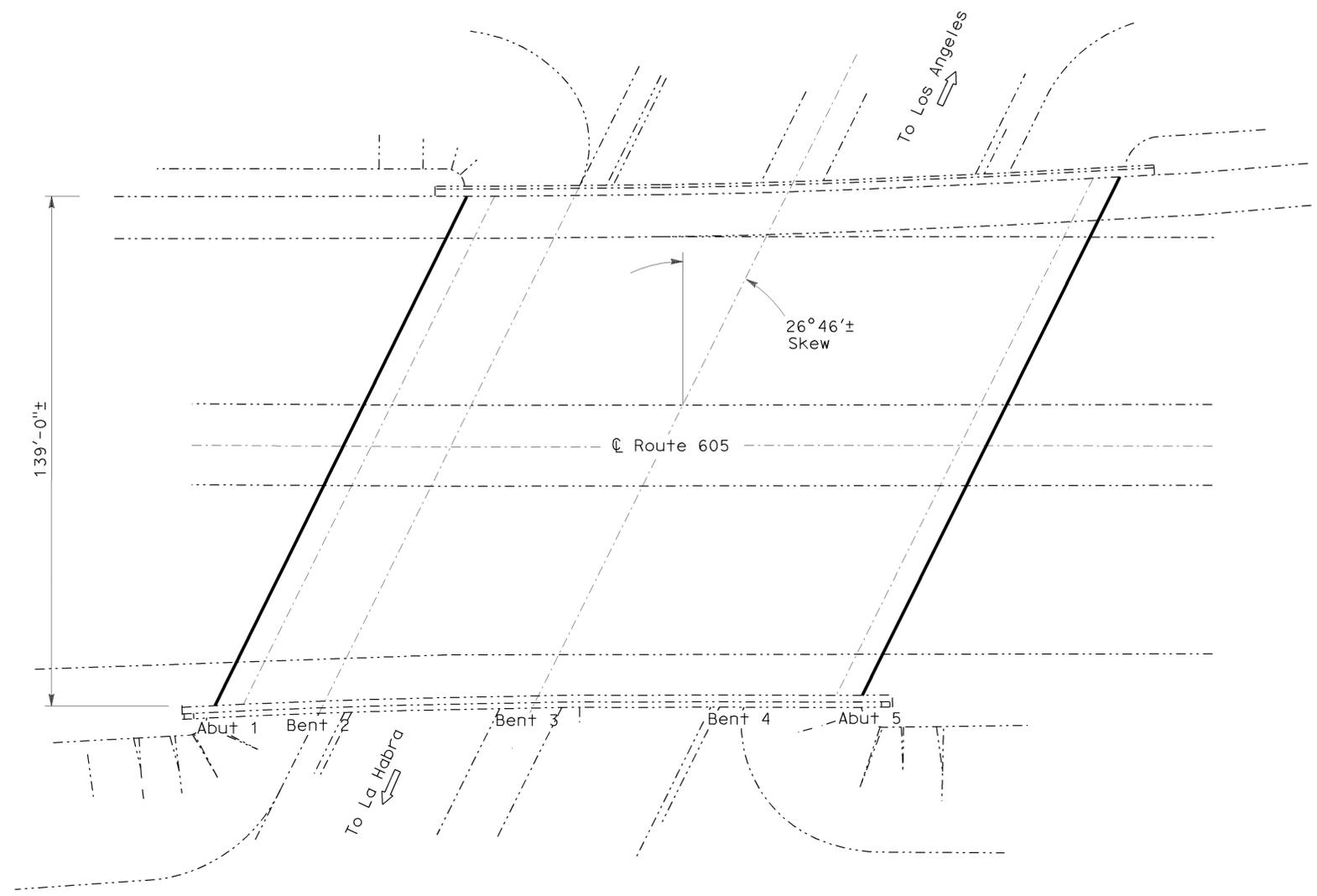
Hongyuan Su 4-14-11
REGISTERED CIVIL ENGINEER DATE

6-20-11
PLANS APPROVAL DATE

HONGYUAN. SU
No. C58260
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 electronic copies of this plan sheet.

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



LEGEND:

- Indicates existing structure
- ➔ Indicates direction of traffic
- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls per Engineer's direction. See "JOINT SEAL TABLE AND DETAILS" sheet.
- ⊖ Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

11 ROUTE 605/72 SEPARATION
Br No. 53-1509, Rte 605, PM R13.55
No Scale

ROUTE 605/72 SEPARATION	BRIDGE NO. 53-1509
QUANTITIES	
CLEAN EXPANSION JOINT	314 LF
BONDED JOINT SEAL (MR 1")	314 LF

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

Kenneth R. Brown
DESIGN ENGINEER 4-14-11

DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti
				PLANS AND SPECS COMPARED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.	53-1509
POST MILE	R13.55

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

ROUTE 605/72 SEPARATION

GENERAL PLAN No. 11

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

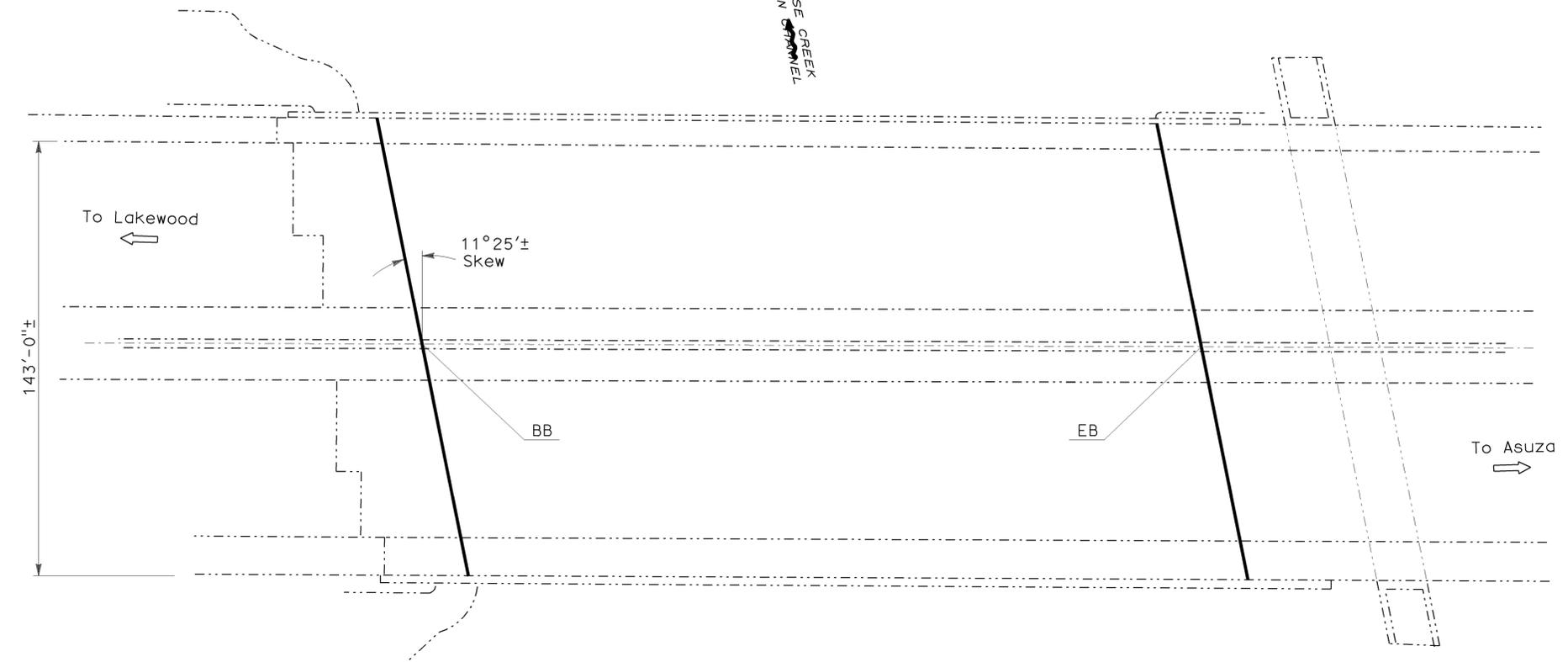


CU EA 4Y1801

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES					SHEET	OF
08-09-10	08-26-10	11-15-10	03-16-11		11	26

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	33	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11	DATE	
6-20-11 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.					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



12 SAN JOSE DIVERSION CHANNEL

Br No. 53-1416, Rte 605, PM R17.69
No Scale

LEGEND:

- Indicates existing structure
- ⇒ Indicates direction of traffic
- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls per Engineer's direction. See "JOINT SEAL TABLE AND DETAILS" sheet.
- Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

SAN JOSE DIVERSION CHANNEL	BRIDGE NO. 53-1416
QUANTITIES	
CLEAN EXPANSION JOINT	295 LF
JOINT SEAL (MR 1")	295 LF

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

Kenneth R. Brown
DESIGN ENGINEER 4-14-11

DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.	53-1416
POST MILE	R17.69

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

SAN JOSE DIVERSION CHANNEL
GENERAL PLAN No. 12

USERNAME => s114592 DATE PLOTTED => 01-JUN-2011 TIME PLOTTED => 13:43

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	34	47

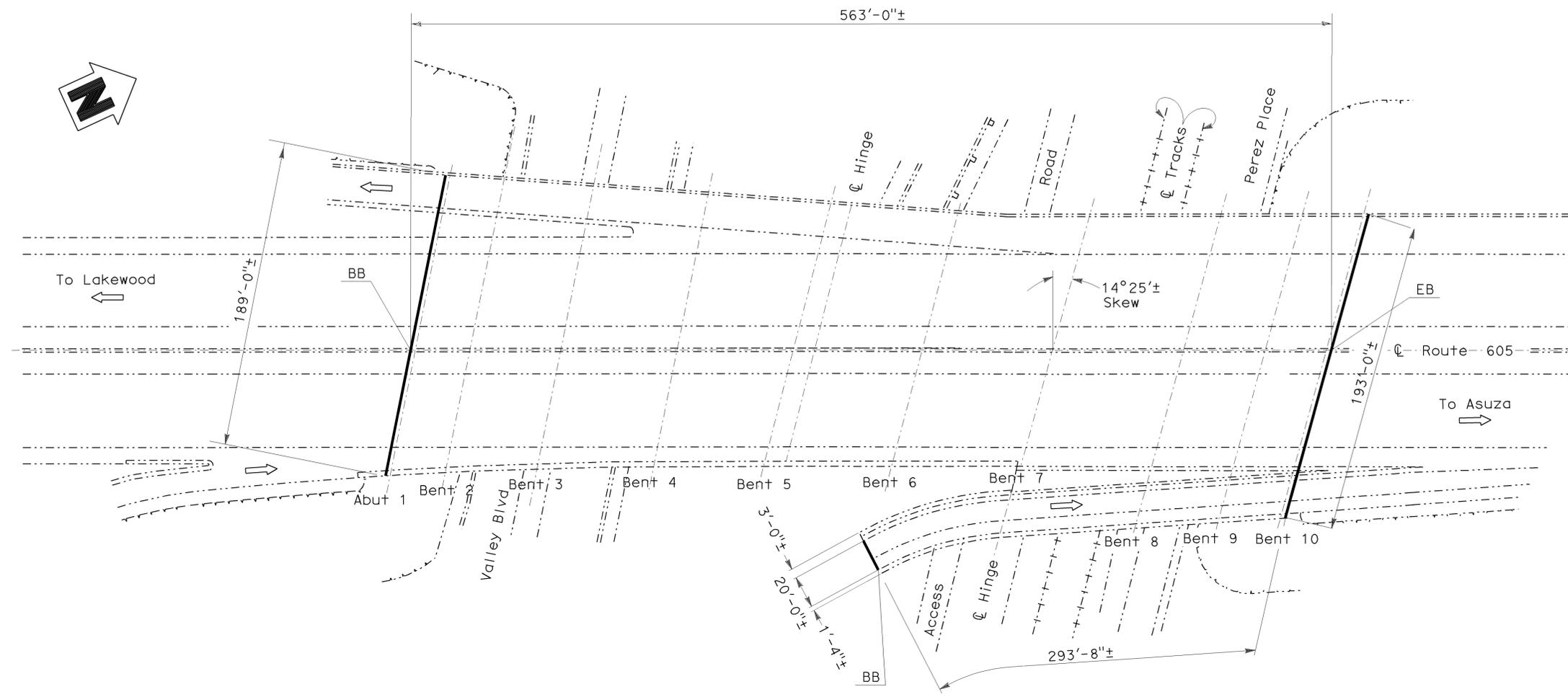
Hongyuan Su 4-14-11
REGISTERED CIVIL ENGINEER DATE

6-20-11
PLANS APPROVAL DATE

HONGYUAN. SU
No. C58260
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 electronic copies of this plan sheet.

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



13 RIVERGRADE OVERHEAD
Br No. 53-1537, Rte 605, PM R19.39
No Scale

LEGEND:

- Indicates existing structure
- Indicates direction of traffic
- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls per Engineer's direction. See "JOINT SEAL TABLE AND DETAILS" sheet.
- Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

RIVERGRADE OH	BRIDGE NO. 53-1537
CLEAN EXPANSION JOINT	QUANTITIES 407 LF
JOINT SEAL (MR 1")	407 LF

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

Kenneth R. Brown
DESIGN ENGINEER 4-14-11

DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

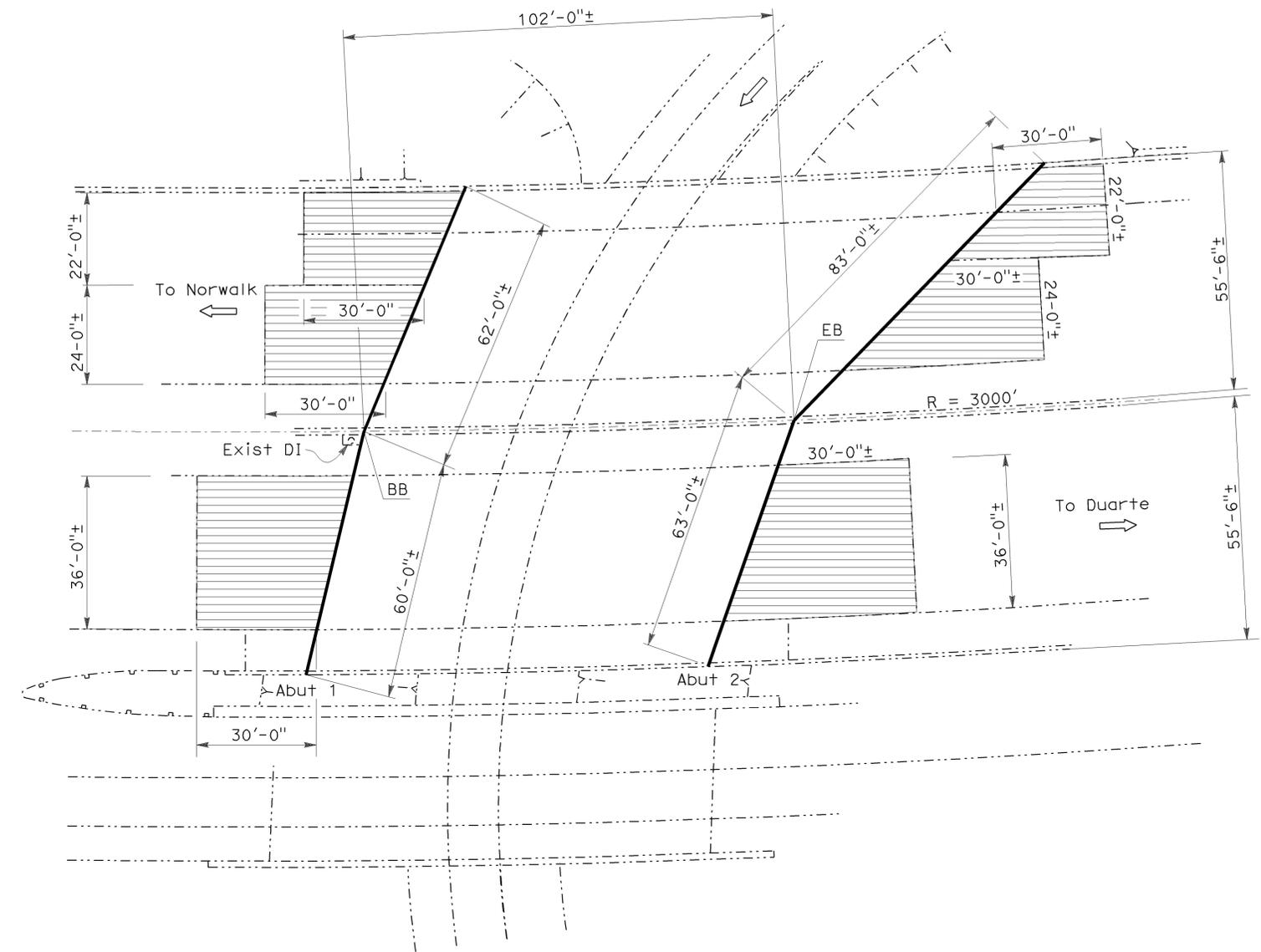
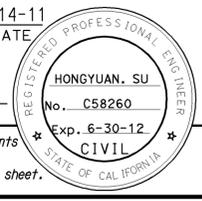
BRIDGE NO.	53-1537
POST MILE	R19.39

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

RIVERGRADE OVERHEAD GENERAL PLAN No. 13

TIME PLOTTED => 13:43
DATE PLOTTED => 01-JUN-2011
USERNAME => s114592

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	35	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11	DATE	
6-20-11			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.					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



LEGEND:

- Indicates existing structure
- ➔ Indicates direction of traffic
- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls per Engineer's direction. See "JOINT SEAL TABLE AND DETAILS" sheet.
- ▨ Indicates limits of placing structure approach Type R (30D). See "STRUCTURE APPROACH TYPE R (30D)" sheet for details. Paving notch extension is required.
- - Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

14 SOUTH CONNECTOR UC
 Br No. 53-1631, Rte 605, PM R20.09
 No Scale

SOUTH CONNECTOR UC	BRIDGE NO. 53-1631
QUANTITIES	
AGGREGATE BASE (APPROACH SLAB)	22 CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	220 CY
PAVING NOTCH EXTENSION	150 CF
CLEAN EXPANSION JOINT	72 LF
JOINT SEAL (MR 1/2")	275 LF

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

Kenneth R. Brown
 DESIGN ENGINEER 4-14-11

DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti
				PLANS AND SPECS COMPARED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

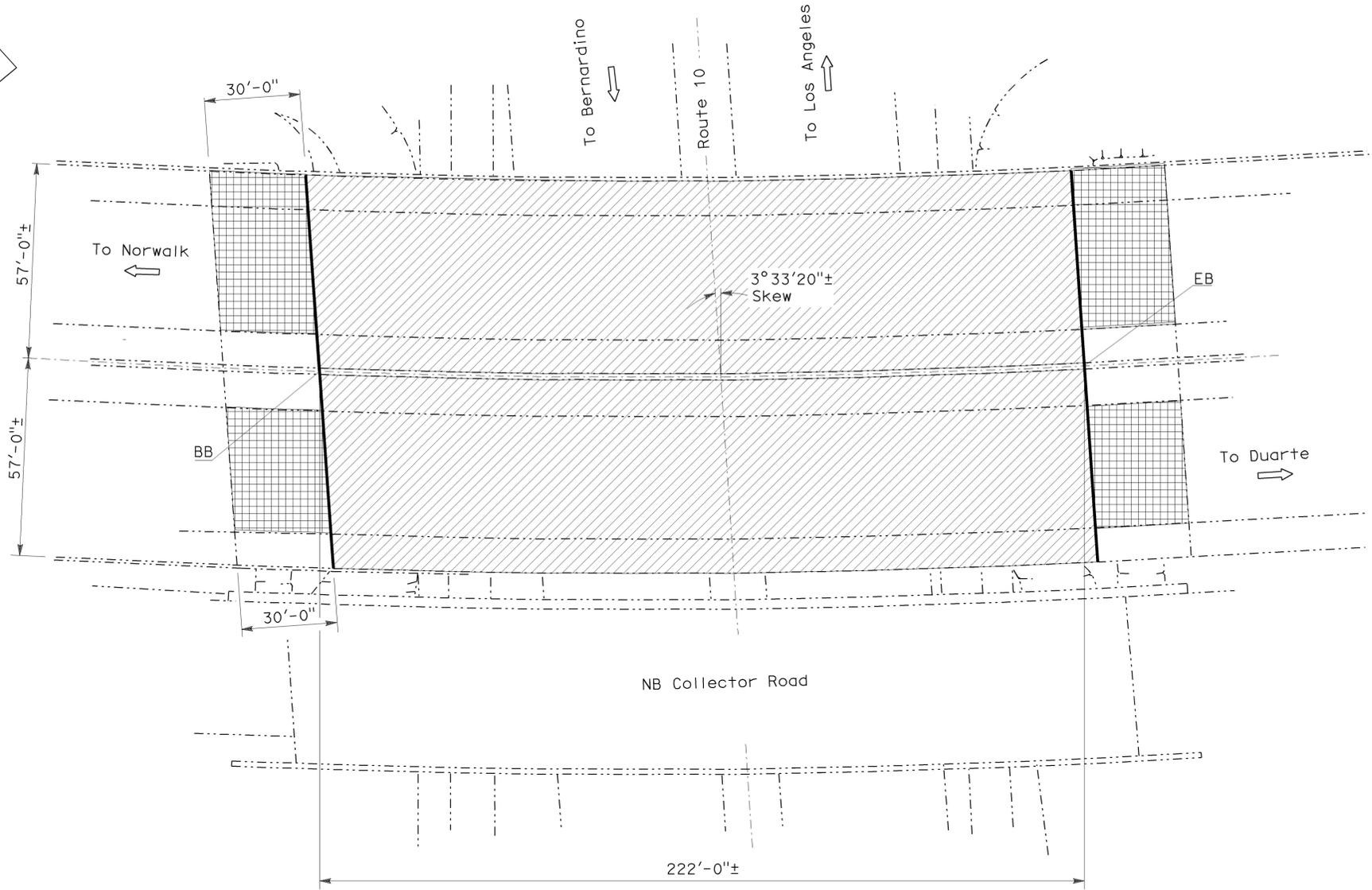
DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO. 53-1631
 POST MILE R20.09

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

**SOUTH CONNECTOR UC
 GENERAL PLAN No. 14**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	36	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11	DATE	
6-20-11 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.					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



LEGEND:

- Indicates existing structure
- ➔ Indicates direction of traffic
- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls per Engineer's direction. See "JOINT SEAL TABLE AND DETAILS" sheet.
- ▨ Indicates limits of placing structure approach Type R (30S). See "STRUCTURE APPROACH TYPE R (30S)" sheet for details.
- ▩ 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. See "DECK REPAIR DETAILS" sheet.
- Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

15 ROUTE 605/10 SEPARATION
 Br No. 53-1632, Rte 605, PM R20.17
 No Scale

ROUTE 605/10 SEPARATION		BRIDGE NO. 53-1632	
QUANTITIES			
REMOVE UNSOUND CONCRETE		84	CF
CLEAN BRIDGE DECK		25,308	SQFT
AGGREGATE BASE (APPROACH SLAB)		18	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)		182	CY
CLEAN EXPANSION JOINT		64	LF
RAPID SETTING CONCRETE (PATCH)		84	CF
JOINT SEAL (MR 1")		234	LF
TREAT BRIDGE DECK		25,308	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL		281	GAL

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

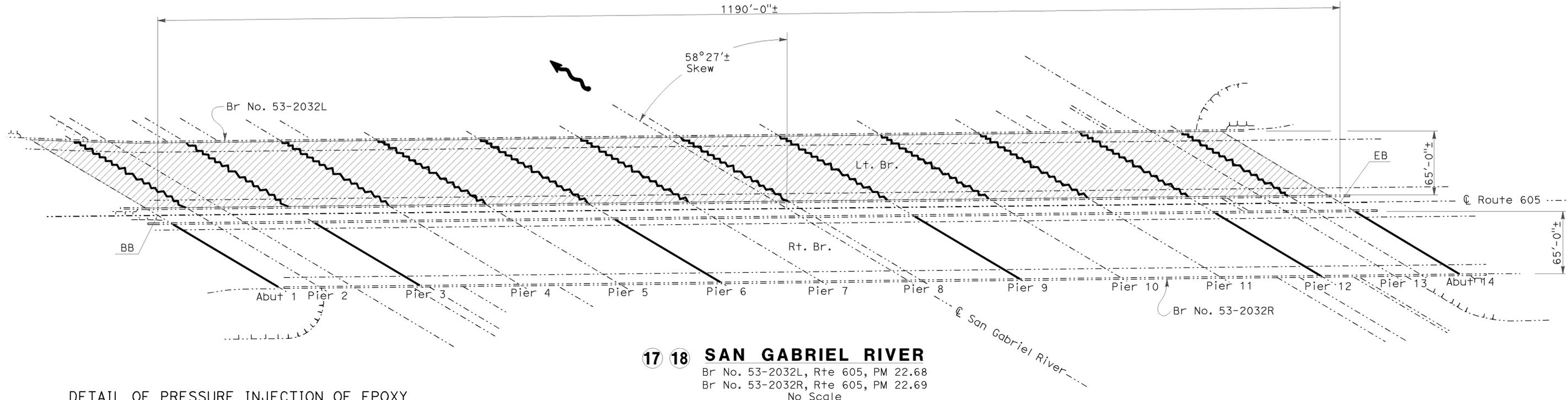
 DESIGN ENGINEER 4-14-11	DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	53-1632
		POST MILE	R20.17

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS	
ROUTE 605/10 SEPARATION	
GENERAL PLAN No. 15	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	38	47

HONGYUAN SU
 REGISTERED CIVIL ENGINEER
 DATE: 4-14-11
 PLANS APPROVAL DATE: 6-20-11
 No. C58260
 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 electronic copies of this plan sheet.
 To get to the Caltrans web site, go to: <http://www.dot.ca.gov>



17 18 SAN GABRIEL RIVER

Br No. 53-2032L, Rte 605, PM 22.68
 Br No. 53-2032R, Rte 605, PM 22.69
 No Scale

DETAIL OF PRESSURE INJECTION OF EPOXY

PIER WALL	CRACK LOCATION	ESTIMATED CRACK LENGTH (ft)
2	Vertical Crack at middle of wall	20
3	Vertical Crack at middle of wall	20
4	Vertical Crack at middle of wall	20
5	Vertical Crack at middle of wall	20
6	Vertical Crack at middle of wall	20
7	Vertical Crack at middle of wall	20
8	Vertical Crack at middle of wall	20
9	Vertical Crack at middle of wall	20
10	Vertical Crack at middle of wall	20
11	Vertical Crack at middle of wall	20
12	Vertical Crack at middle of wall	20
13	Vertical Crack at middle of wall	20

SAN GABRIEL RIVER BRIDGE NO. 53-2032L

QUANTITIES	
REMOVE UNSOUND CONCRETE	262 CF
CLEAN BRIDGE DECK	78,540 SQFT
RAPID SETTING CONCRETE (PATCH)	262 CF
INJECT CRACK (EPOXY)	240 LF
TREAT BRIDGE DECK	78,540 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	873 GAL

SAN GABRIEL RIVER BRIDGE NO. 53-2032R

QUANTITIES	
CLEAN EXPANSION JOINT	774 LF
JOINT SEAL (MR 1/2")	258 LF
BONDED JOINT SEAL (MR 2")	516 LF

LEGEND:

- Indicates existing structure
- ⇒ Indicates direction of traffic
- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls per Engineer's direction. See "JOINT SEAL TABLE AND DETAILS" sheet.
- ~~~~~ Indicates location of injecting epoxy at pier walls.
- ▨ 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. See "DECK REPAIR DETAILS" sheet.
- Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

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

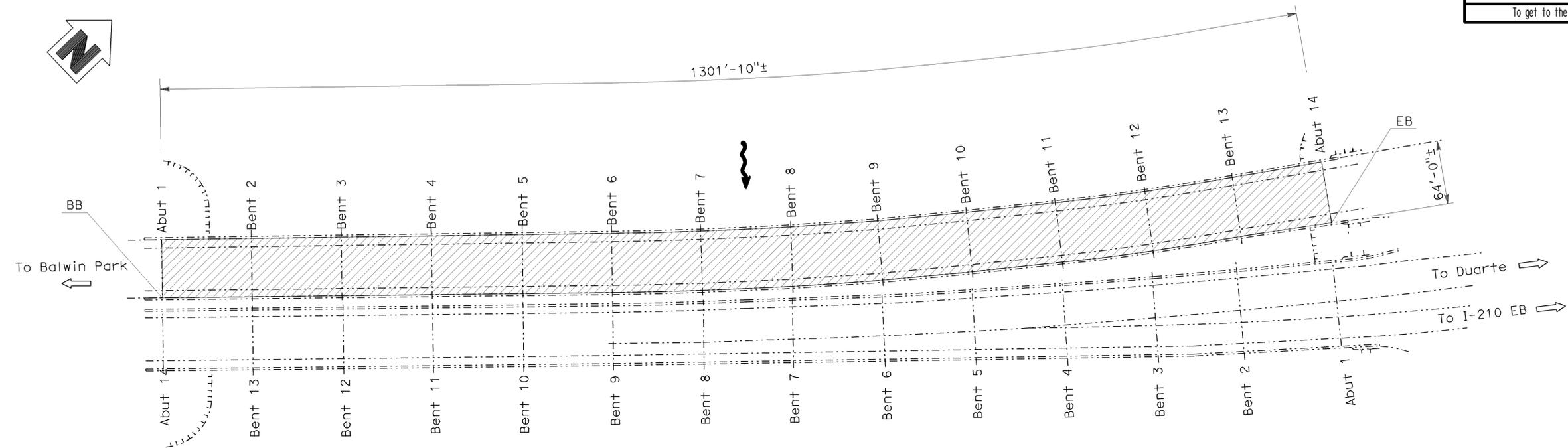
REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

 DESIGN ENGINEER 4-14-11	DESIGN	BY H. Su	CHECKED C. Lee	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.	53-2032L/R	
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros			CHECKED H. Su	POST MILE	22.68/69
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti			PLANS AND SPECS COMPARED		

SAN GABRIEL RIVER	
GENERAL PLAN No. 17 & 18	

USERNAME => s114592 DATE PLOTTED => 01-JUN-2011 TIME PLOTTED => 13:43

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	39	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11 DATE		
6-20-11			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>					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



19 SANTA FE FLOOD BASIN
 Br No. 53-2030L, Rte 605, PM 25.09
 No Scale

- LEGEND:**
- Indicates existing structure
 - ➔ Indicates direction of traffic
 - 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. See "DECK REPAIR DETAILS" sheet.
 - Indicates bridge location, see "TITLE AND LOCATION MAP" sheet.

SANTA FE FLOOD BASIN		BRIDGE NO. 53-2030L
QUANTITIES		
REMOVE UNSOUND CONCRETE		278 CF
CLEAN BRIDGE DECK		83,325 SQFT
RAPID SETTING CONCRETE (PATCH)		278 CF
TREAT BRIDGE DECK		83,325 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL		926 GAL

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

Kenneth R. Brown
 DESIGN ENGINEER 4-14-11

DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.
53-2030L

POST MILE
25.09

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

SANTA FE BASIN
GENERAL PLAN No. 19

USERNAME => s114592 DATE PLOTTED => 01-JUN-2011 TIME PLOTTED => 13:44

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	40	47

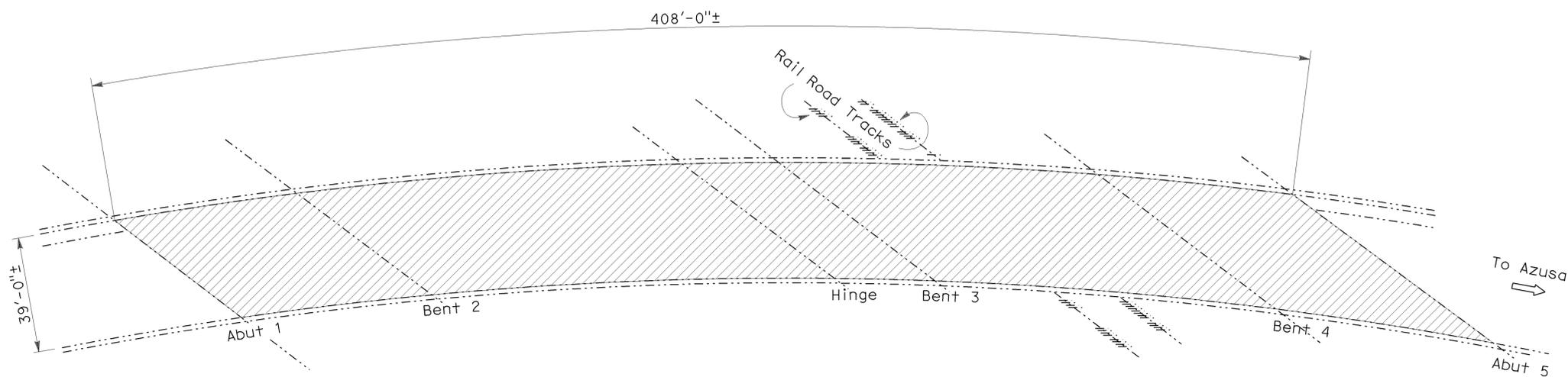
Hongyuan Su 4-14-11
REGISTERED CIVIL ENGINEER DATE

6-20-11
PLANS APPROVAL DATE

HONGYUAN. SU
No. C58260
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 electronic copies of this plan sheet.

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



20 N605-E210 CONNECTOR OH
Br No. 53-1981G, Rte 605, PM 25.55
No Scale

LEGEND:

- Indicates existing structure
- ➔ Indicates direction of traffic
- 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. See "DECK REPAIR DETAILS" sheet.
- ⊖ Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

N605-E210 CONNECTOR OH	BRIDGE NO. 53-1981G
	QUANTITIES
REMOVE UNSOUND CONCRETE	53 CF
CLEAN BRIDGE DECK	15,912 SQFT
RAPID SETTING CONCRETE (PATCH)	53 CF
TREAT BRIDGE DECK	15,912 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	177 GAL

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

Kenneth R. Brown
DESIGN ENGINEER 4-14-11

DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

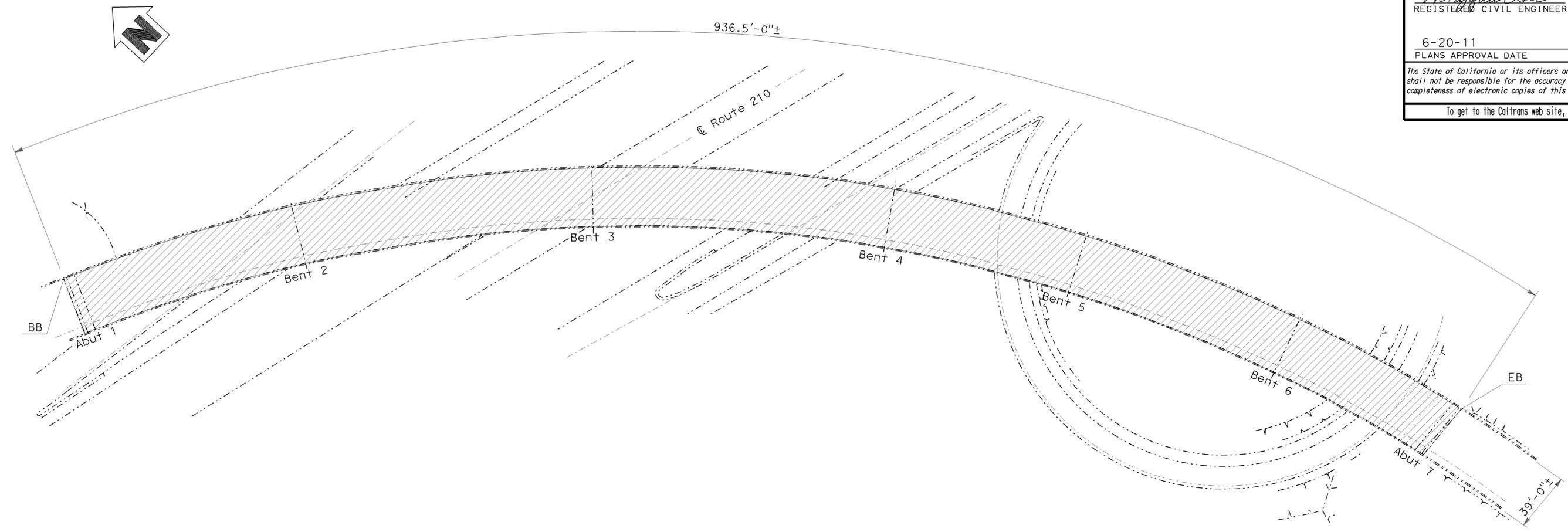
BRIDGE NO. 53-1981G
POST MILE 25.55

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

N605-E210 CONNECTOR OH
GENERAL PLAN No. 20

TIME PLOTTED => 13:44 USERNAME => s114592 DATE PLOTTED => 01-JUN-2011

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	41	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11	DATE	
6-20-11			PLANS APPROVAL DATE		
HONGYUAN. SU No. C58260 Exp. 6-30-12 CIVIL			REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



21 N605-W210 CONNECTOR OC
 Br No. 53-1972G, Rte 605, PM 25.60
 No Scale

- LEGEND:**
- Indicates existing structure
 - ⇒ Indicates direction of traffic
 - ▨ 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. See "DECK REPAIR DETAILS" sheet.
 - Indicates bridge location. see "TITLE AND LOCATION MAP" sheet.

N605-W210 CONNECTOR OC	BRIDGE NO. 53-1972G
QUANTITIES	
REMOVE UNSOUND CONCRETE	122 CF
CLEAN BRIDGE DECK	36,524 SQFT
RAPID SETTING CONCRETE (PATCH)	122 CF
TREAT BRIDGE DECK	36,524 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	406 GAL

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

 DESIGN ENGINEER 4-14-11	DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	53-1972G	
	DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros			CHECKED H. Su	POST MILE	25.60
	QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti			PLANS AND SPECS COMPARED		

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

N605-W210 CONNECTOR OC
GENERAL PLAN No. 21

USERNAME => s114592 DATE PLOTTED => 01-JUN-2011 TIME PLOTTED => 13:44

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	42	47

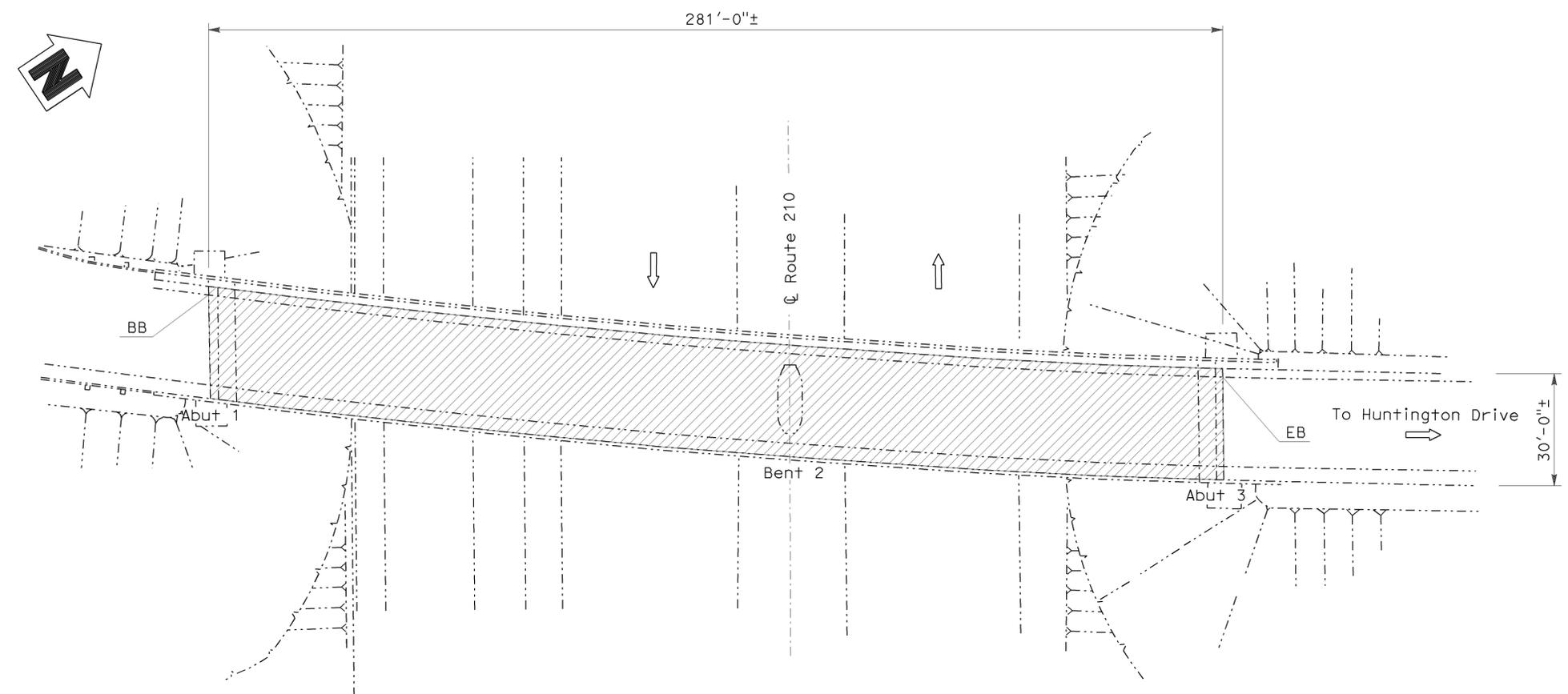
Hongyuan Su 4-14-11
REGISTERED CIVIL ENGINEER DATE

6-20-11
PLANS APPROVAL DATE

HONGYUAN. SU
No. C58260
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 electronic copies of this plan sheet.

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



22 ROUTE 605/210 SEPARATION
Br No. 53-1923R, Rte 605, PM 25.75
No Scale

LEGEND:

- Indicates existing structure
- ⇒ Indicates direction of traffic
- ▨ 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. See "DECK REPAIR DETAILS" sheet.
- Indicates bridge location, see "TITLE AND LOCATION MAP" sheet.

ROUTE 605/210 SEPARATION		BRIDGE NO. 53-1923R	
QUANTITIES			
REMOVE UNSOUND CONCRETE	28	CF	
CLEAN BRIDGE DECK	8,430	SQFT	
RAPID SETTING CONCRETE (PATCH)	28	CF	
TREAT BRIDGE DECK	8,430	SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	94	GAL	

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

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

Kenneth R. Brown
DESIGN ENGINEER 4-14-11

DESIGN	BY H. Su	CHECKED C. Lee	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY B. Ballesteros	CHECKED H. Su	LAYOUT	BY B. Ballesteros
QUANTITIES	BY H. Su	CHECKED C. Lee	SPECIFICATIONS	BY R. Franti
				CHECKED H. Su
				PLANS AND SPECS COMPARED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.
53-1923R
POST MILE
25.75

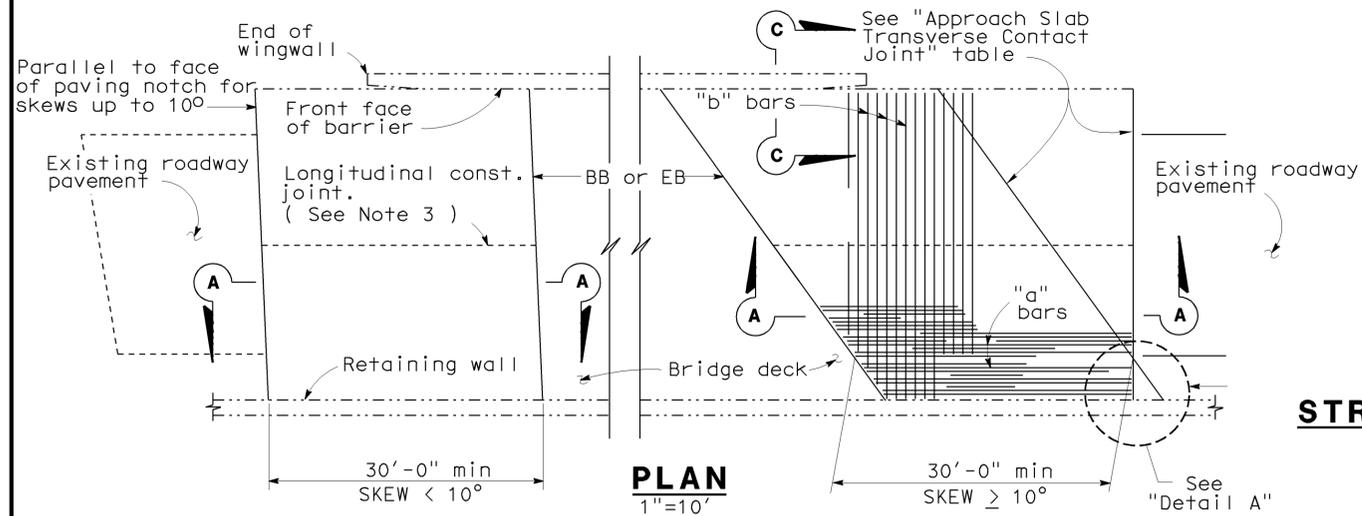
ROUTE 605/210 SEPARATION
GENERAL PLAN No. 22

TIME PLOTTED => 01-JUN-2011 USERNAME => s114592 DATE PLOTTED => 13:44

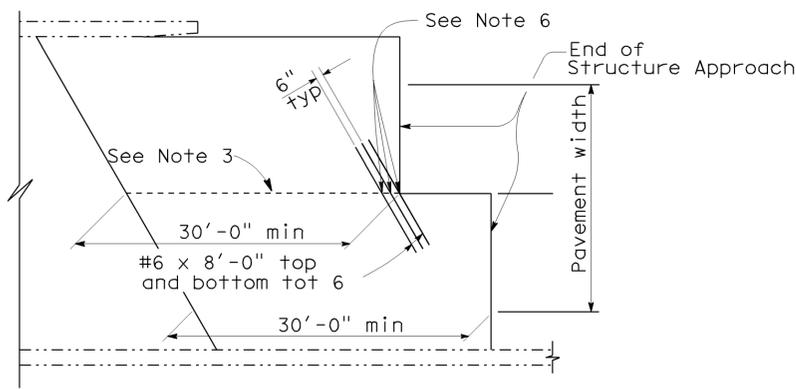
DIST.	COUNTY	ROUTE	MILE POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	605	R3.4/25.8	43	47

HONGYUAN SU 4-14-11
 REGISTERED ENGINEER - CIVIL
 No. C58260
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

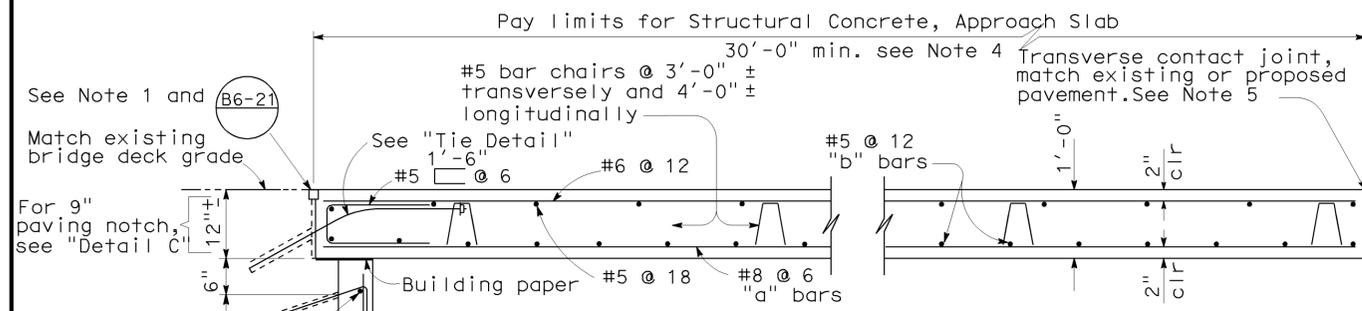
PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



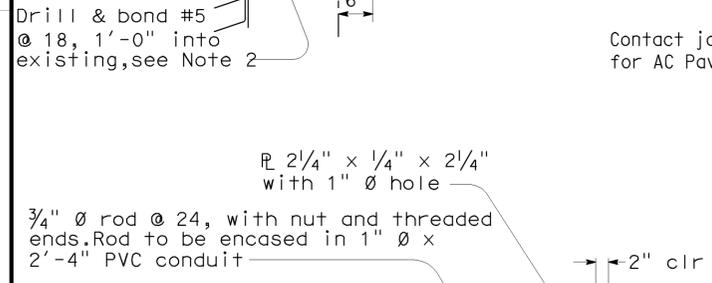
STRUCTURE APPROACH - END STAGGER DETAIL



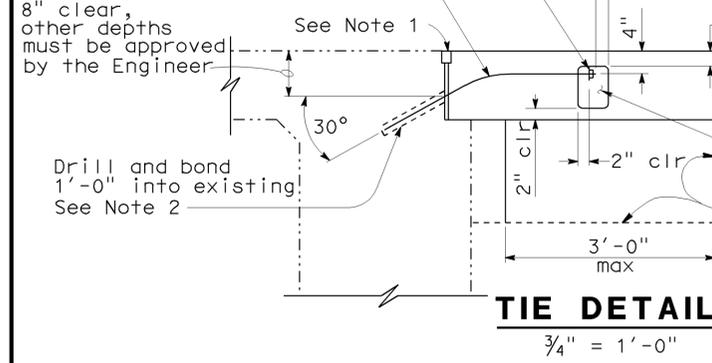
APPROACH SLAB TRANSVERSE CONTACT JOINT		
APPROACH SKEW	WITH AC ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
< 10°	Parallel to face of paving notch	Parallel to face of paving notch
10° - 45°	Parallel to face of P N use (Detail A)	Stagger lines 24' to 36' apart
> 45°	Parallel to face of P N use (Detail A)	Stagger at each lane line



SECTION A-A

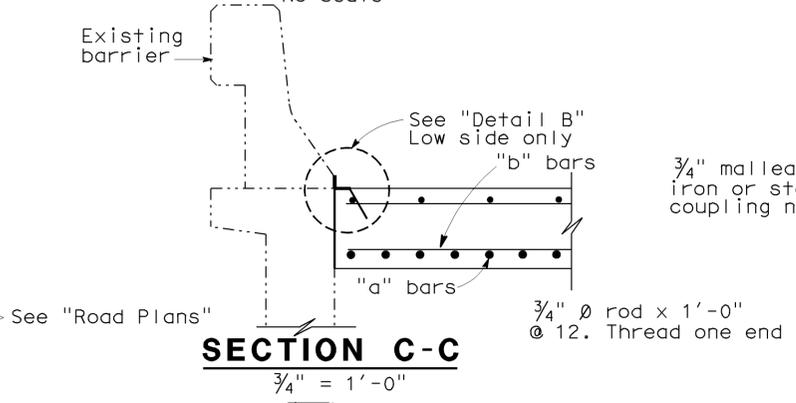


DETAIL A

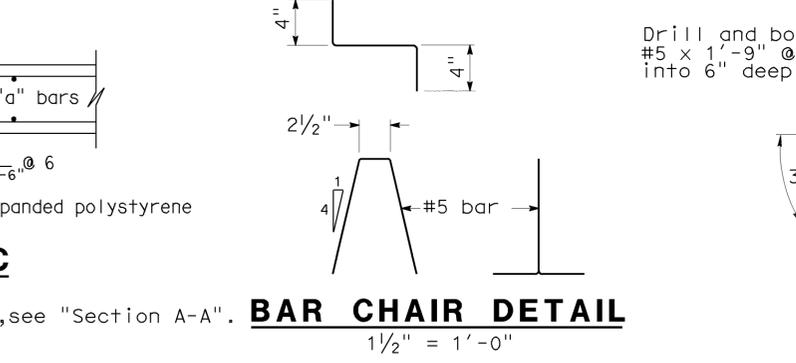


TIE DETAIL

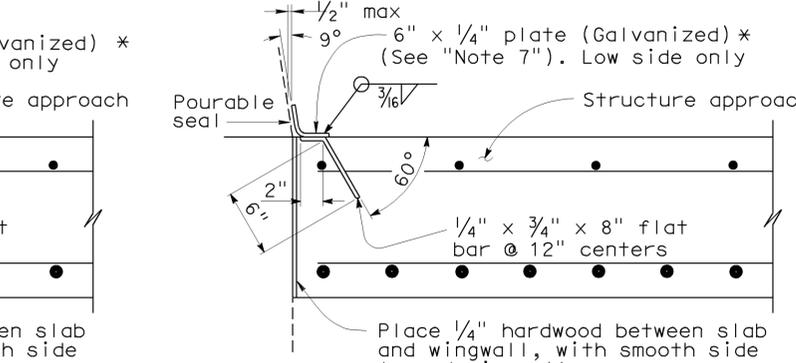
NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



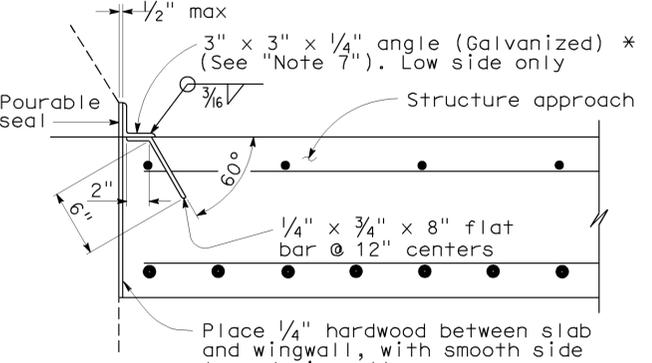
SECTION C-C



BAR CHAIR DETAIL

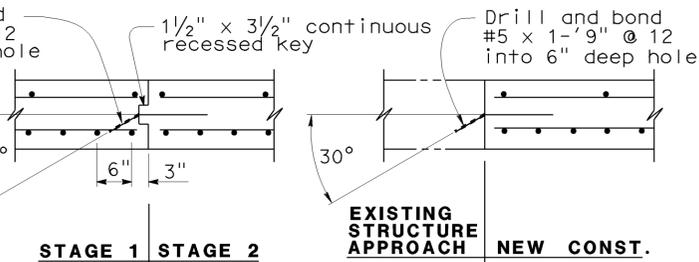
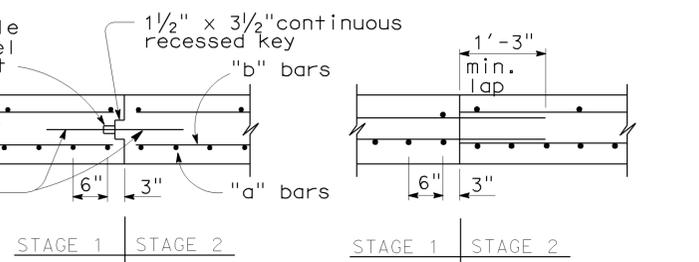


DETAIL B



DETAIL C

NOTE: For details not shown, see "Section A-A".



LONGITUDINAL CONSTRUCTION JOINT ALTERNATIVES

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

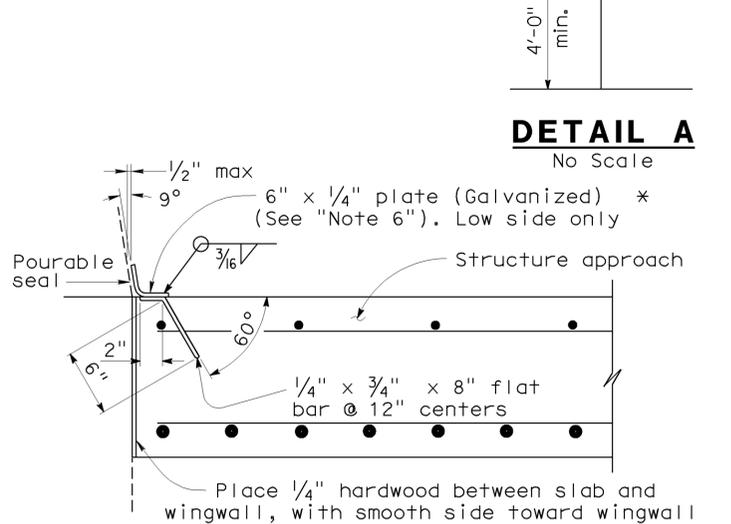
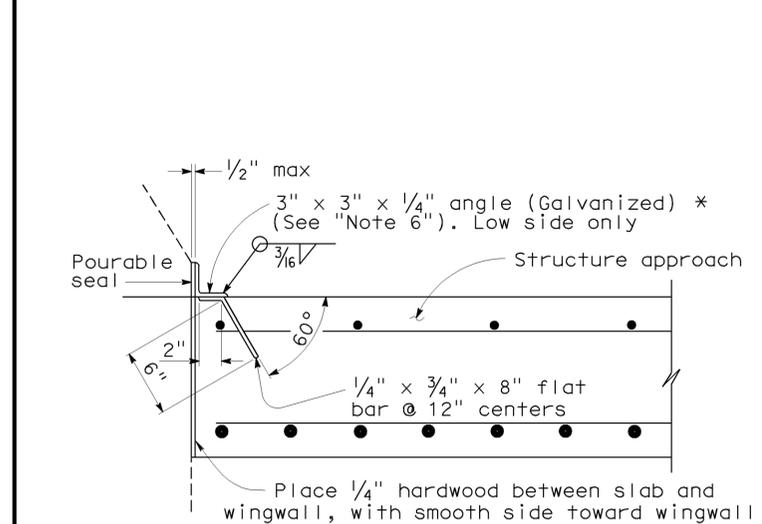
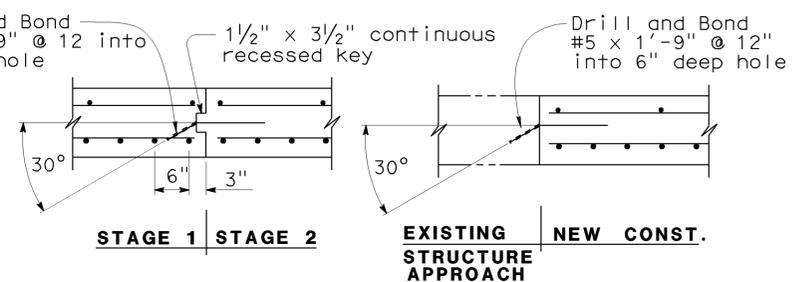
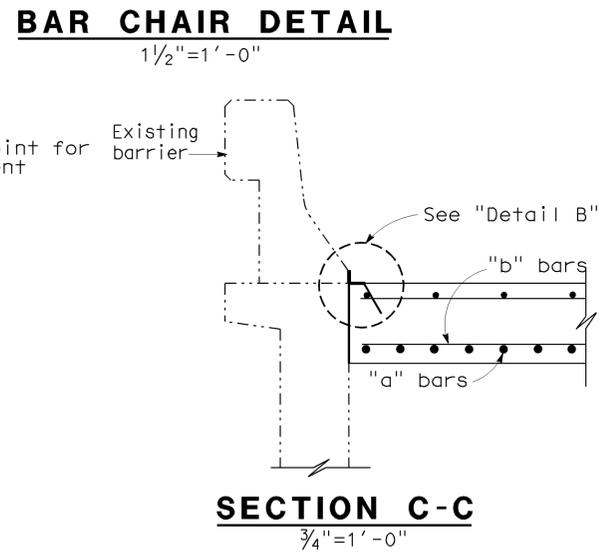
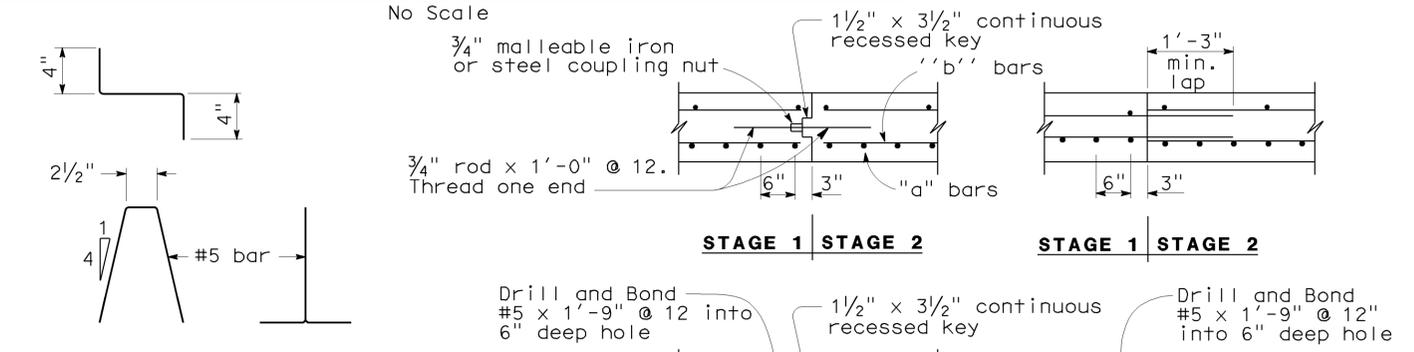
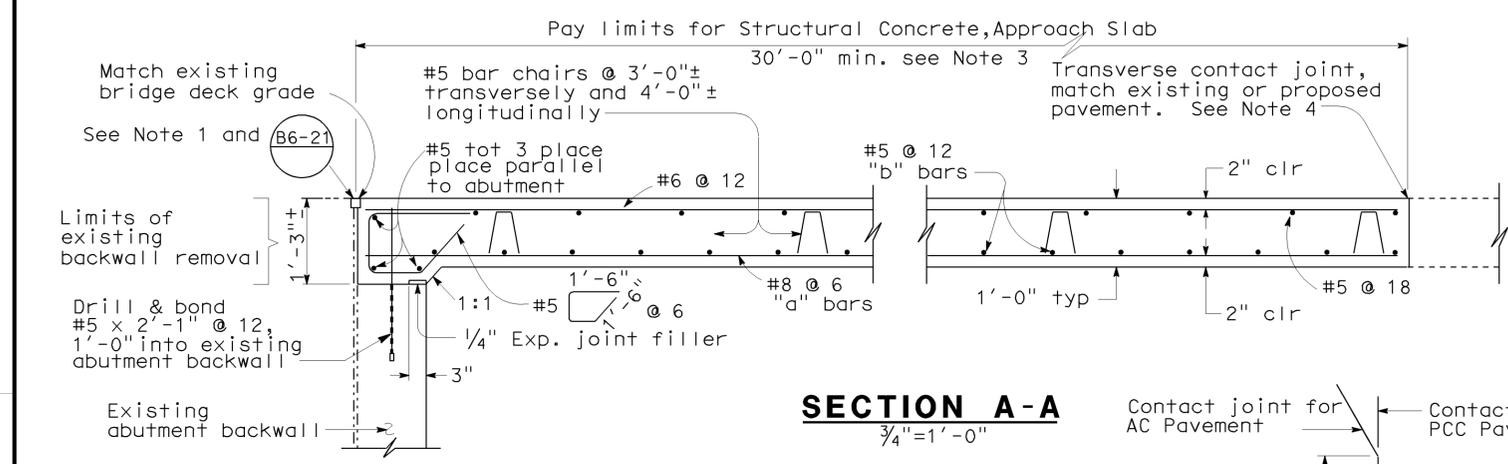
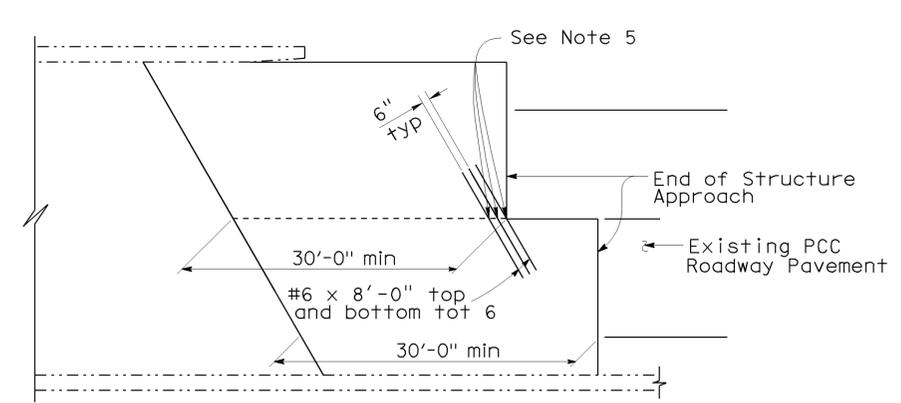
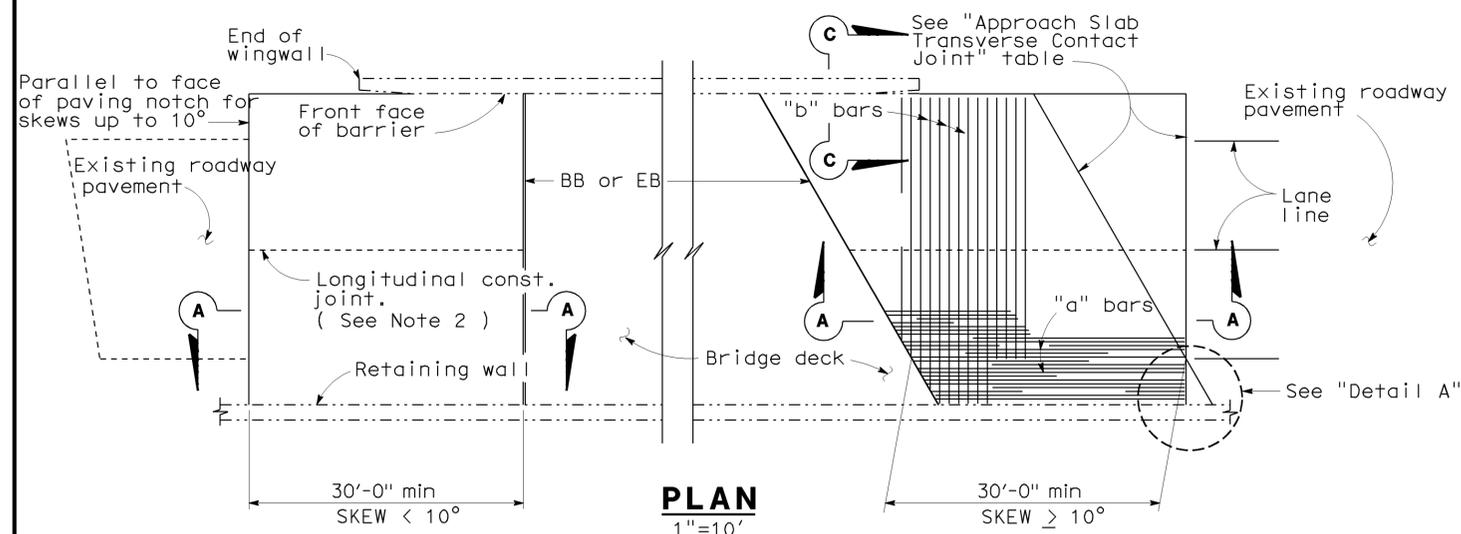
REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

STANDARD DRAWING			
RELEASE DATE	DESIGN BY	CHECKED	RELEASED BY
3/14/05	M. TRAFFALIS	E. THORKILDSEN	
FILE NO.	DETAILS BY	CHECKED	
xs3-140e	R. YEE	E. THORKILDSEN	
	SUBMITTED BY	DRAWING DATE	OFFICE CHIEF
	M. HA	8/92	

STATE OF CALIFORNIA	
DEPARTMENT OF TRANSPORTATION	

DIVISION OF MAINTENANCE	
STRUCTURE MAINTENANCE AND INVESTIGATIONS	
BRIDGE NO.	Various
MILE POST	Var

VARIOUS BRIDGES	
STRUCTURE APPROACH TYPE R(30D)	



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

- NOTES:**
- Sealed joint, for M.R. see Structure Plans. Adjust bar reinforcement to clear a sawcut for sealed joint, when required.
 - Longitudinal construction joints, when permitted by 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.
- NOTE:**
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

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

STANDARD DRAWING			
RELEASE DATE 3/14/05	DESIGN BY M. TRAFFALIS	CHECKED E. THORKILDSEN	RELEASED BY
FILE NO. xs3-130e	DETAILS BY R. YEE	CHECKED E. THORKILDSEN	
	SUBMITTED BY M. HA	DRAWING DATE 8/92	OFFICE CHIEF

STATE OF CALIFORNIA	DIVISION OF MAINTENANCE	BRIDGE NO.
DEPARTMENT OF TRANSPORTATION	STRUCTURE MAINTENANCE AND INVESTIGATIONS	53-1632
		MILE POST
		R20.17

STATE OF CALIFORNIA	DIVISION OF MAINTENANCE	BRIDGE NO.
DEPARTMENT OF TRANSPORTATION	STRUCTURE MAINTENANCE AND INVESTIGATIONS	53-1632
		MILE POST
		R20.17

ROUTE 605/10 SEPARATION	
STRUCTURE APPROACH TYPE R(30S)	

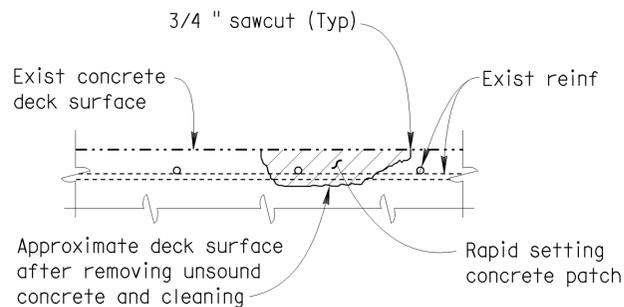
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	45	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11 DATE		
6-20-11			PLANS APPROVAL DATE		
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					

DECK REPAIR TABLE

BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (%)	APPROXIMATE DEPTH (INCHES)
195TH Street OC	53-1710	2	2"
Hoxie OH	53-1652	2	2"
Cecilia Street UC	53-1654	2	2"
N605-N5&S5 Connector OC	53-1655G	2	2"
Route 605/10 Separation	53-1632	1	3"
North Connector UC	53-1633	2	2"
San Gabriel River	53-2032L	2	2"
Santa Fe Flood Basin	53-2030L	2	2"
N605-E210 Connector OH	53-1981G	2	2"
N605-W210 Connector OC	53-1972G	2	2"
Route 605/210 Separation	53-1923R	2	2"

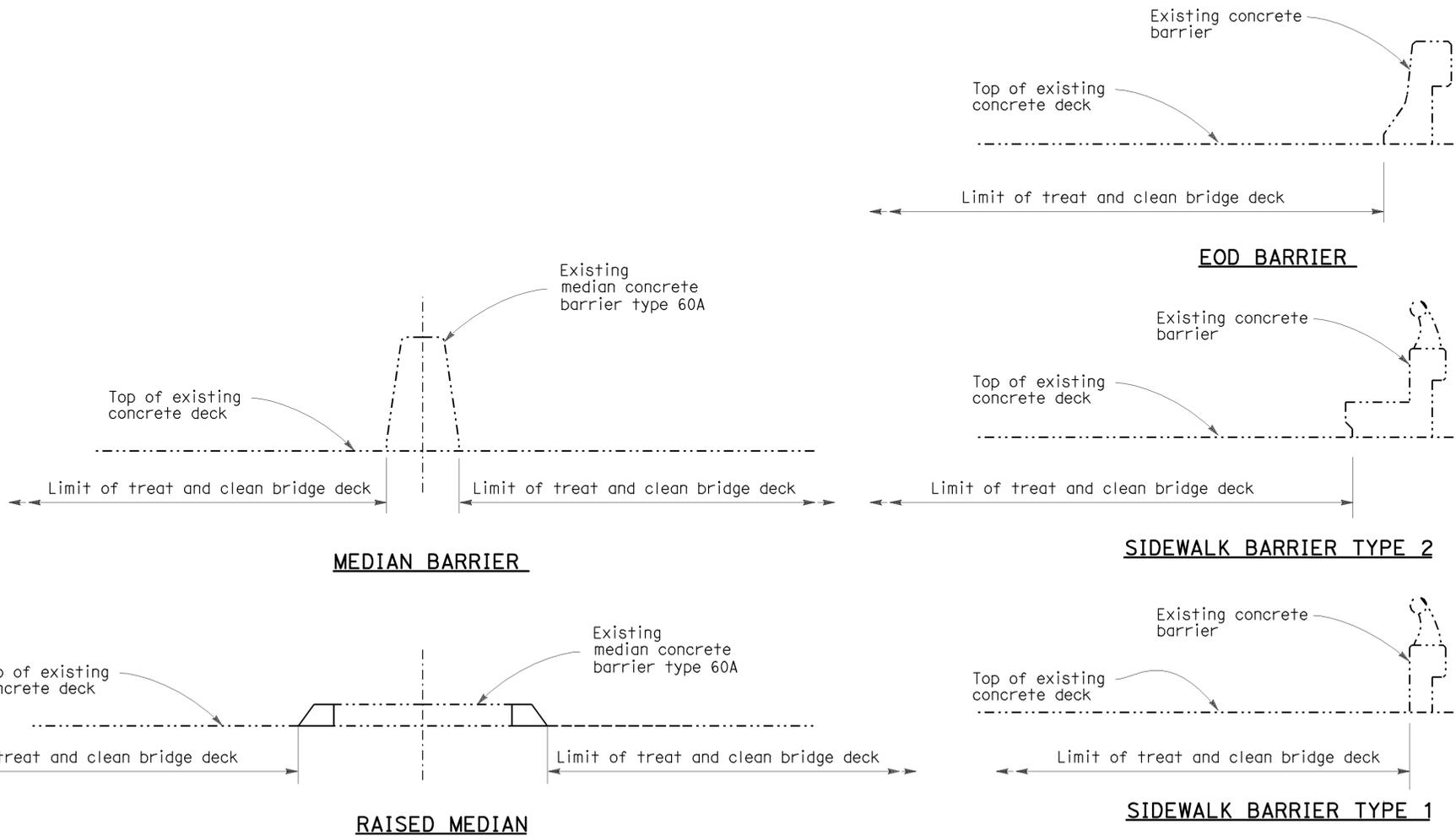
DECK REPAIR NOTES:

- For bridge locations, see Title Sheet.
- Locations of deck repair will be determined by the Engineer.
- Reinforcement may be encountered during deck unsound concrete removal
- Existing reinforcement shall be protected in place during unsound concrete removal and patching operations.
- It is the responsibility of the contractor to repair any reinforcement that is accidentally cut by saw cutting operations.



DECK REPAIR DETAIL

Locations to be determined by the Engineer. Reinforcement may be encountered during deck concrete removal.



TYPICAL LIMITS OF DECK WORK NO SCALE

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

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.	Various
POST MILE	Varies

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

VARIOUS BRIDGES
DECK REPAIR DETAILS

JOINT SEAL TABLE

BRIDGE NAME	BR. No.	JOINT LOCATION	EXISTING WATERSTOP	DEPTH CLEAN EXP. JOINT (FT)	TYPE OF JOINT SEAL						REMARKS
					MR=1/2"	MR=1"	MR=2"	Assembly MR=4" Max.	Bonded MR=1"	Bonded MR=2"	
					(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	
DAIRY VALLEY OH	53-1721	Abut 1	no	1	320						
		Abut 2	no	1	326						
E105-S605/S605-ROSECRANS AVE. OC	53-2704G	Abut 1	yes	1				40			Remove existing assembly
		Abut 5	yes	1				40			Remove existing assembly
CECILIA AVE. UC	53-1654	Abut 1	no	1					184		
		Abut 4	no	1					192		
LOS NIETOS OH	53-1663	Abut 1	no	1		138					
		Abut 6	no	1		139					
BRADWELL OH	53-1664	Abut 4	no	1			145				
		Abut 1	no	1			148				
SLAUSON AVE UC	53-1665	Abut 1	no	1		160					
		Abut 4	no	1		179					
DUNLAP CROSSING RD UC	53-1669	Abut 1	no	1		138					
		Abut 4	no	1		138					
ROUTE 605/72 SEPARATION	53-1509	Abut 1	no	1					157		
		Abut 4	no	1					157		
SAN JOSE DIVISION CHANNEL	53-1416	Abut 1	no	1		148					
		Abut 4	no	1		148					
RIVERGRADE OH	53-1537	Abut 1	no	1		189					
		Abut 10	no	1		193					
		BB (Ramp)	no	1		25					
SOUTH CONNECTOR UC	53-1631	Abut 1	no	1	122						
		Abut 2	no	1	146						
ROUTE 605/10 SEPARATION	53-1632	Abut 1	no	1		116					
		Abut 3	no	1		116					
NORTH CONNECTOR UC	53-1633	Abut 1	no	1		61			69		
		Abut 2	no	1		59			64		
SAN GABRIEL RIVER	53-2032R	Abut 1	no	1	129						
		P3	no	1						129	
		P6	no	1							129
		P9	no	1							129
		P12	no	1							129
		AB 14	no	1	129						

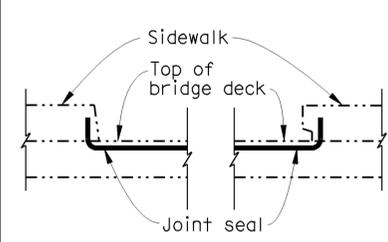
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	46	47
REGISTERED CIVIL ENGINEER			4-14-11 DATE		
6-20-11 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					

The following notes apply to JOINT SEAL TYPE A:

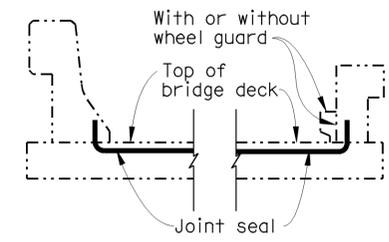
Install Type A joint seal 3" up into curb or rail on the low side of the deck where joint matches curb or rail joint. For details not shown see Sheet 11.

The following notes apply to JOINT SEAL TYPE B:

- 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.



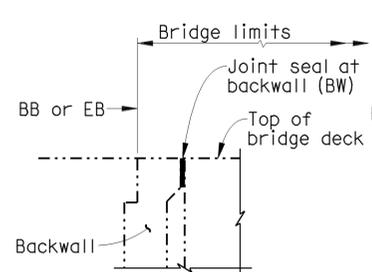
SIDEWALK



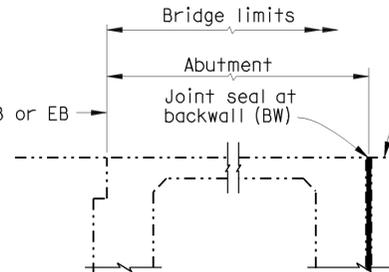
BARRIER RAIL

JOINT SEAL AT LOW SIDE OF DECK

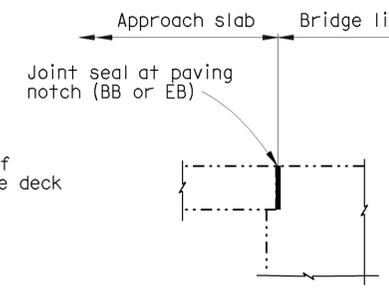
Details shown for illustration purposes only. For use only where deck joint matches sidewalk, curb or barrier rail joint.
NO SCALE



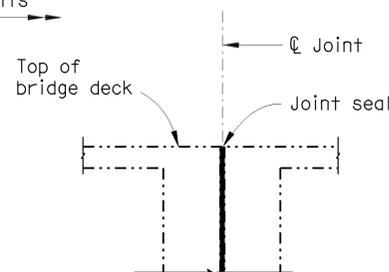
ABUTMENT WITH BACKWALL



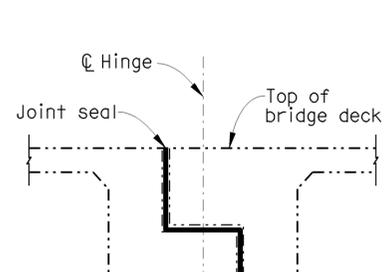
BIN TYPE ABUTMENT



DIAPHRAGM ABUTMENT



BENT



HINGE

JOINT SEAL LOCATION

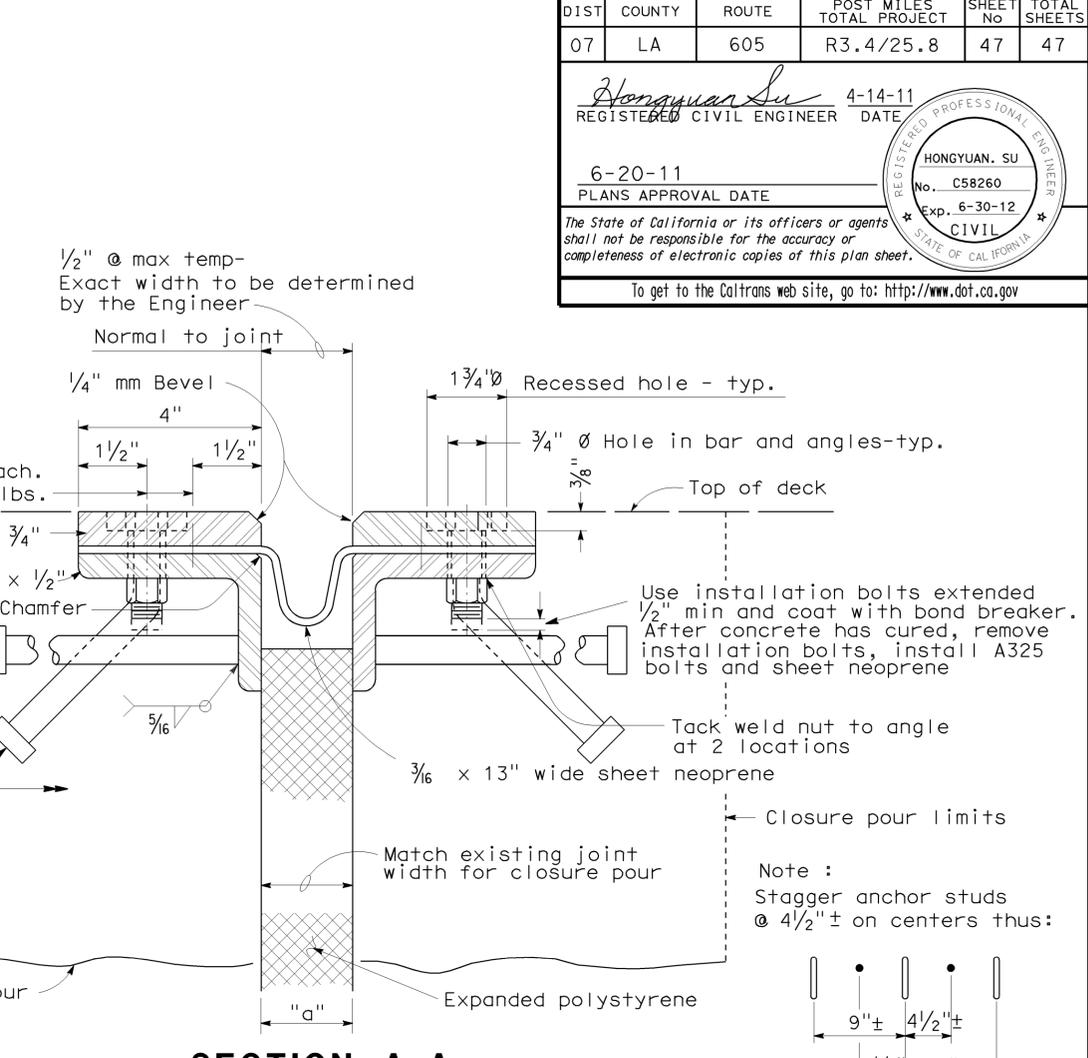
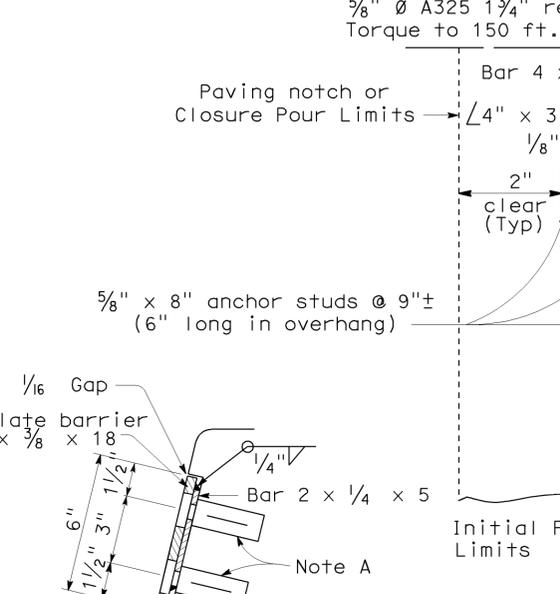
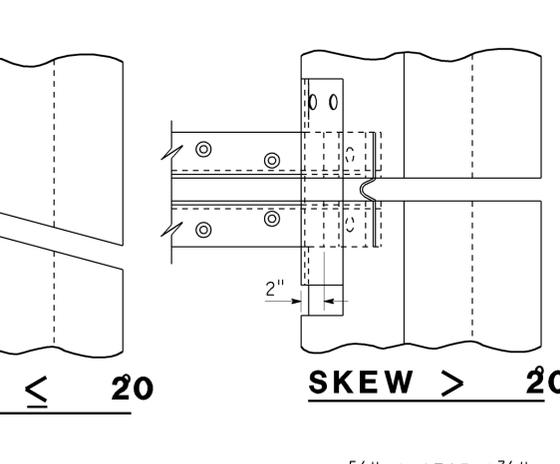
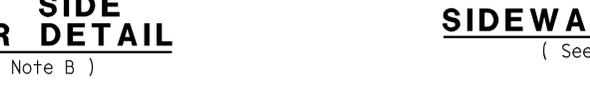
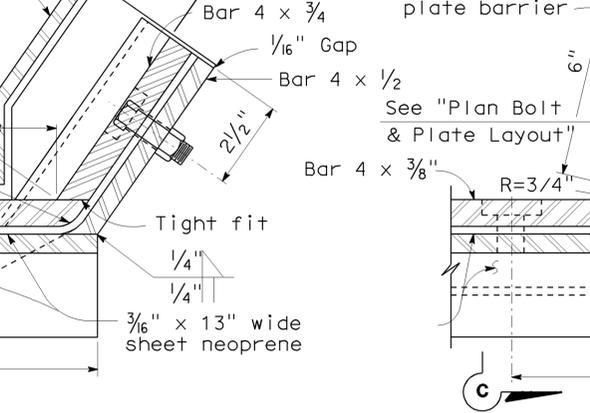
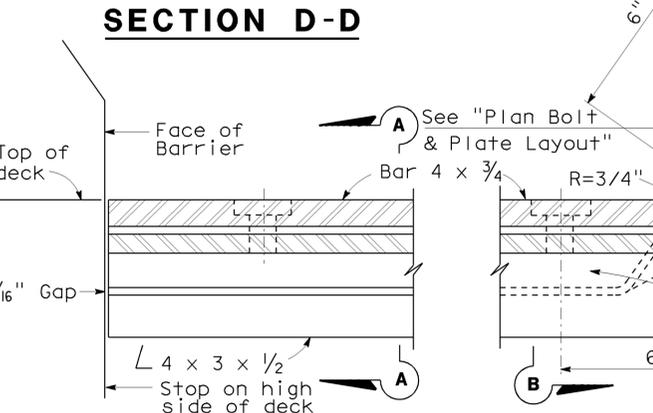
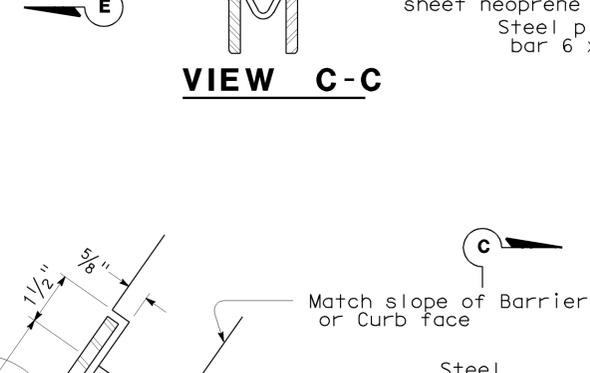
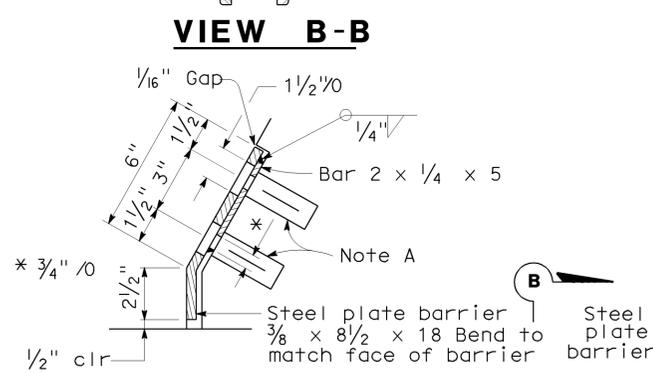
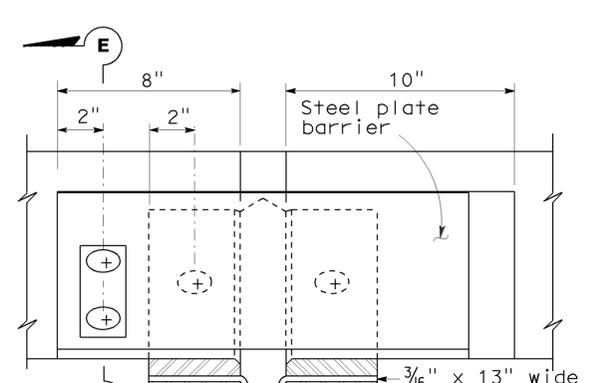
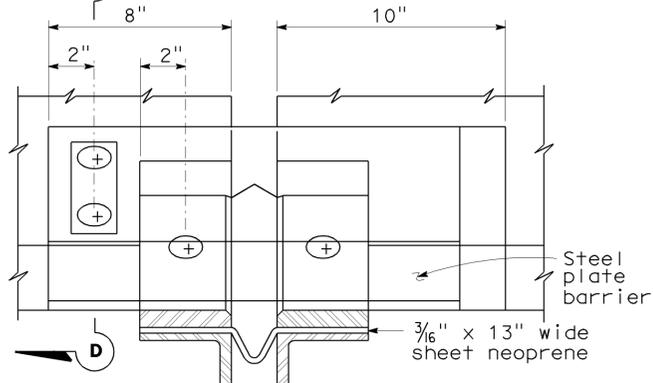
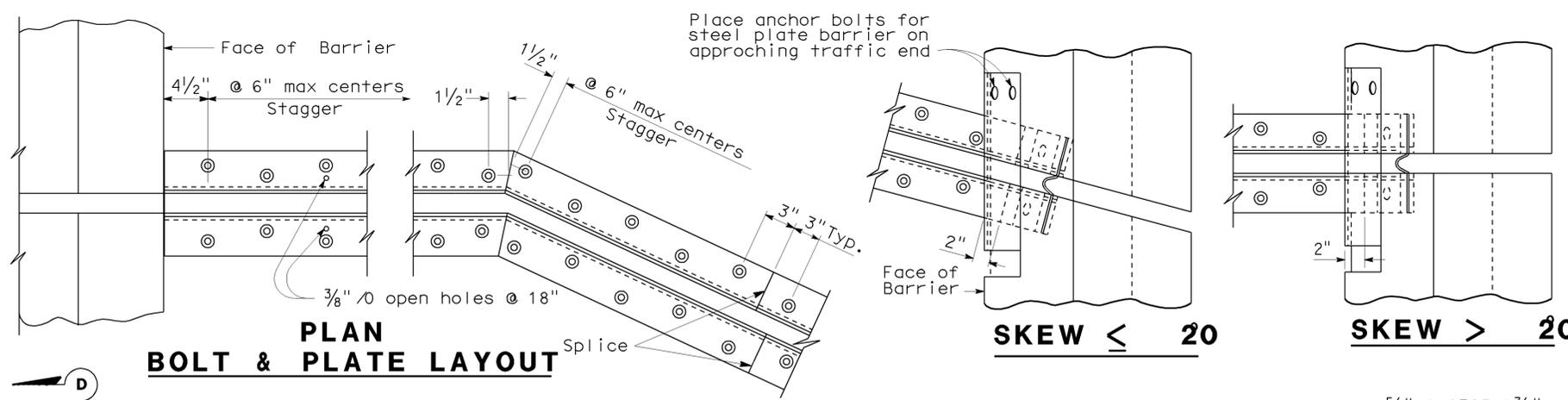
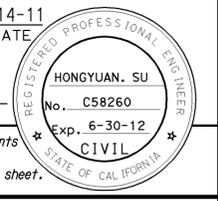
NO SCALE

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

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

DESIGN	BY H. Su	CHECKED C. Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	VARIOUS BRIDGES JOINT SEAL TABLE AND DETAILS
DETAILS	BY B. Ballesteros	CHECKED H. Su			VARIOUS	
QUANTITIES	BY H. Su	CHECKED C. Lee			Var	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	605	R3.4/25.8	47	47
<i>Hongyuan Su</i> REGISTERED CIVIL ENGINEER			4-14-11	DATE	
6-20-11			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.					
To get to the Caltrans web site, go to: http://www.dot.ca.gov					



SECTION A-A

Joint Information			"a" Dimensions		
Location	Movement Rating (MR)	Skew	Winter	Spring & Fall	Summer
BB & EB	4	-	Match existing		

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. Joint seal assembly to be used in conjunction with closure pour. (See other sheets for limits). Closure pour shall not be placed until final deck surface is within the tolerances specified.

Use joint at crown of roadway, at any change in traverse slope in deck and at changes in horizontal direction. Place other joints at or near lanes. 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. 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.

NOTE B
Use the sidewalk Detail at all sidewalk joints. Use the Barrier Detail at both sides if the roadway is crowned or if the difference in elevation between the ends of the seal is 0.5' or less.

REPLACE JOINT SEALS, STRUCTURE APPROACH, & TREAT BRIDGE DECKS

STANDARD DRAWING		
FILE NO. xs8-010e	APPROVED BY <i>T. DELIS</i> RESPONSIBLE TECHNICAL SPECIALIST	RELEASED BY <i>ROBERTO LACALLE</i> RESPONSIBLE OFFICE CHIEF
APPROVAL DATE 5-8-08	RELEASE DATE 5-8-08	

Added design note

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO. 53-2704G
POST MILE R6.83

E105-S605-ROSECRANS AVE OC
JOINT SEAL ASSEMBLY
(MAXIMUM MOVEMENT RATING = 4")