

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	LOCATIONS OF CONSTRUCTION
3	CONSTRUCTION AREA SIGNS
4-13	TRAFFIC HANDLING DETAILS
14	PAVEMENT DELINEATION QUANTITIES
15-19	REVISED STANDARD PLANS

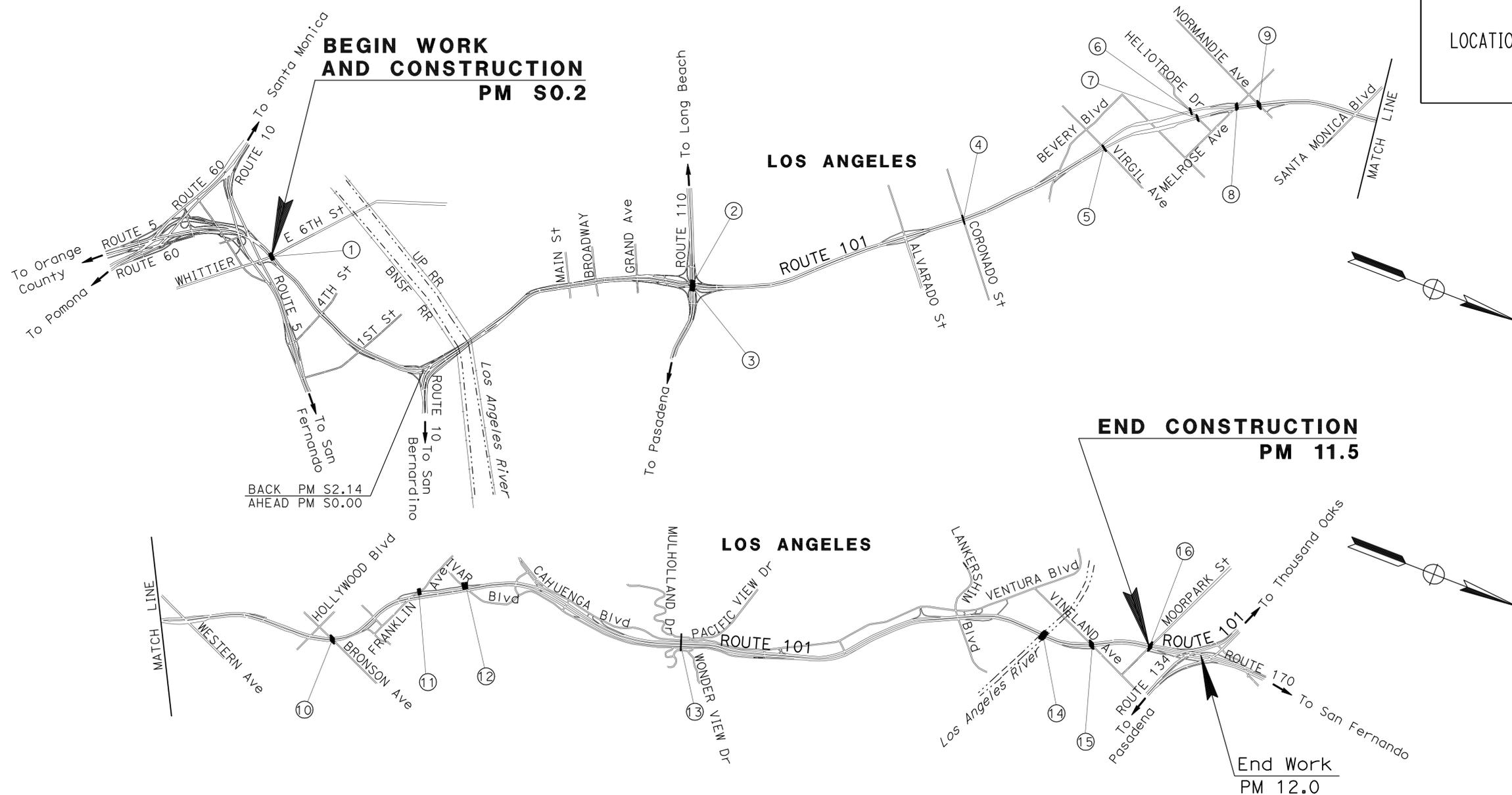
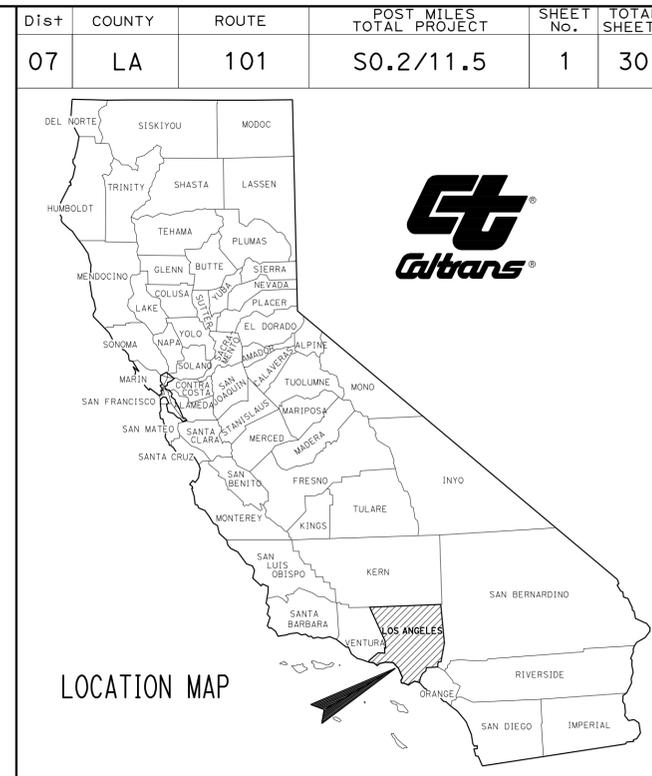
STRUCTURES

20-30	ROUTE 101 BRIDGES
-------	-------------------

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

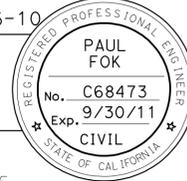
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY**
IN LOS ANGELES COUNTY
IN LOS ANGELES AT VARIOUS LOCATIONS
FROM SIXTH STREET OVERCROSSING TO
MOORPARK STREET UNDERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



PROJECT MANAGER CHRISTIAN SAM	DESIGN ENGINEER PAUL W FOK
----------------------------------	-------------------------------

10-26-10
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
December 27, 2010
 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.	07-4Y3004
PROJECT ID	0700020031

DATE PLOTTED => 22-DEC-2010 TIME PLOTTED => 10:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	101	50.2/11.5	2	30

Paul Fok 10-26-10
 REGISTERED CIVIL ENGINEER DATE

12-27-10
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
PAUL FOK
 No. C68473
 Exp. 9/30/11
 CIVIL
 STATE OF CALIFORNIA

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

LOCATIONS OF CONSTRUCTION

LOCATION	PM	NAME OF BRIDGE	BRIDGE NUMBER
①	50.2	SIXTH STREET OC	53-0595
②	1.57	4 LEVEL STRUCTURE-LEVEL 4	53-0622L
③	1.57	4 LEVEL STRUCTURE-LEVEL 4	53-0622R
④	3.2	CORONADO STREET UC	53-0615
⑤	4.08	VIRGIL AVENUE UC	53-0611R
⑥	4.58	CLINTON STREET UC	53-0317L
⑦	4.58	HELIOTROPE DRIVE UC	53-0672R
⑧	4.85	MELROSE AVENUE UC	53-0673L
⑨	4.99	NORMANDIE AVENUE UC	53-0674
⑩	6.65	BRONSON AVENUE OC	53-0724
⑪	7.2	FRANKLIN AVENUE UC (OFF-RAMP)	53-0728K
⑫	7.32	IVAR AVENUE RAMP SEPARATION	53-0783K
⑬	8.75	MULHOLLAND OC	53-0301
⑭	10.83	LOS ANGELES RIVER	53-1224
⑮	11.11	VINELAND AVENUE UC	53-1225
⑯	11.45	MOORPARK STREET UC	53-1226

LOCATIONS OF CONSTRUCTION LC-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR
MONIR IBRAHIM
 CALCULATED/DESIGNED BY
 CHECKED BY
 PAUL W. FOK
 SHAFIQUL ISLAM
 REVISED BY
 DATE REVISED



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	101	50.2/11.5	3	30

10-26-10
 REGISTERED CIVIL ENGINEER DATE
 12-27-10
 PLANS APPROVAL DATE

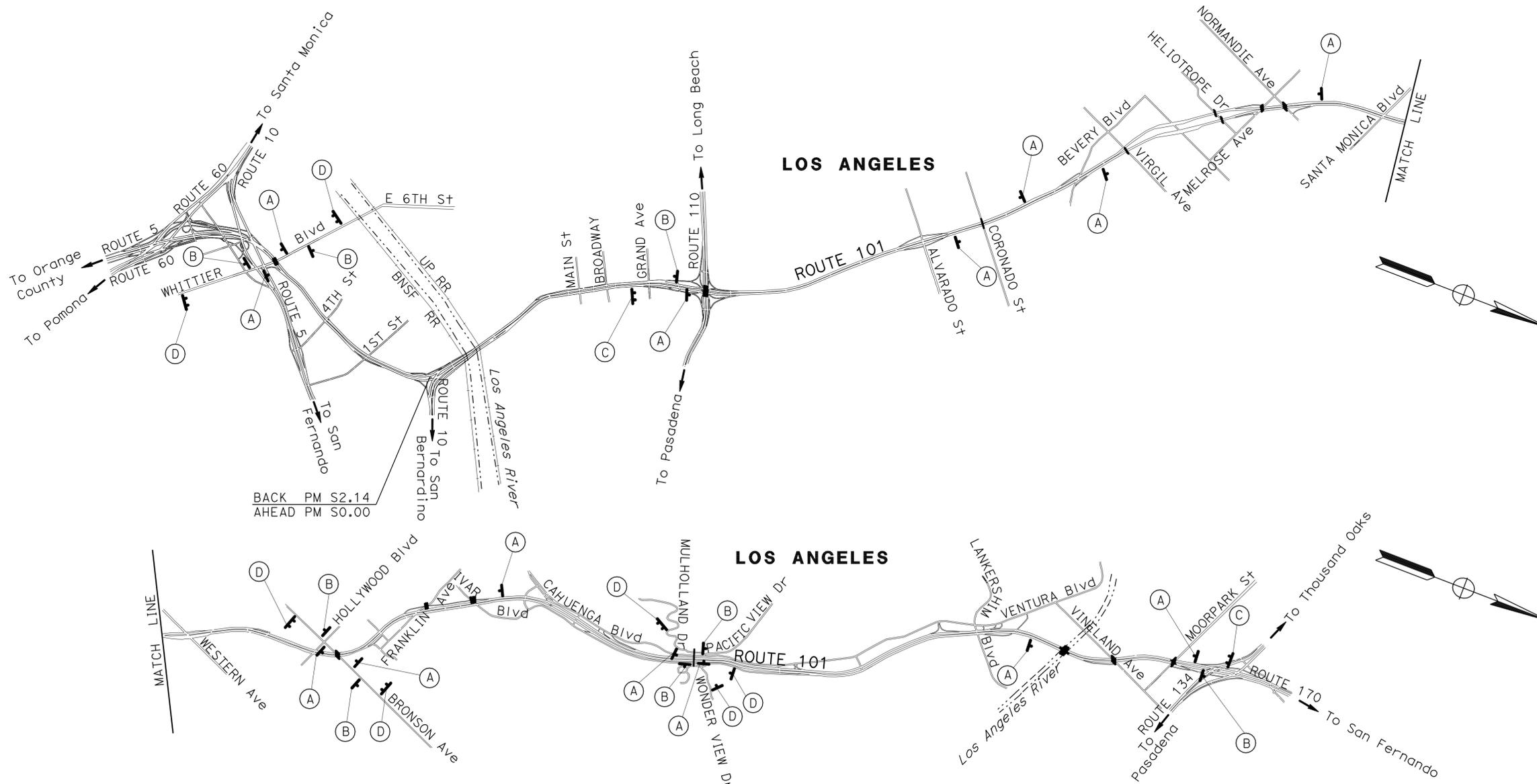
REGISTERED PROFESSIONAL ENGINEER
 PAUL FOK
 No. C68473
 Exp. 9/30/11
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF 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. C40(CA) SIGNS SHALL BE PLACED APPROXIMATELY 500' IN ADVANCE OF W20-1 SIGNS OR AS DIRECTED BY THE ENGINEER.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS					
SIGN	SIGN CODE	SIGN MESSAGE	PANEL SIZE (INCH X INCH)	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
(A)	W20-1	ROAD WORK AHEAD	48 x 48	1 - 6" x 6"	14
(B)	G20-2	END ROAD WORK	48 x 24	1 - 4" x 6"	8
(C)	C40 (CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	144 x 60	2 - 6" x 8"	2
(D)	C40 (CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	108 x 42	2 - 6" x 8"	6
TOTAL					30



BACK PM S2.14
AHEAD PM S0.00

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR: MONIR IBRAHIM
 PAUL W. FOK
 SHAFIQUL ISLAM
 REVISOR: PAUL W. FOK
 DATE: 10-26-10
 DESIGNED BY: SHAFIQUL ISLAM
 CHECKED BY: SHAFIQUL ISLAM

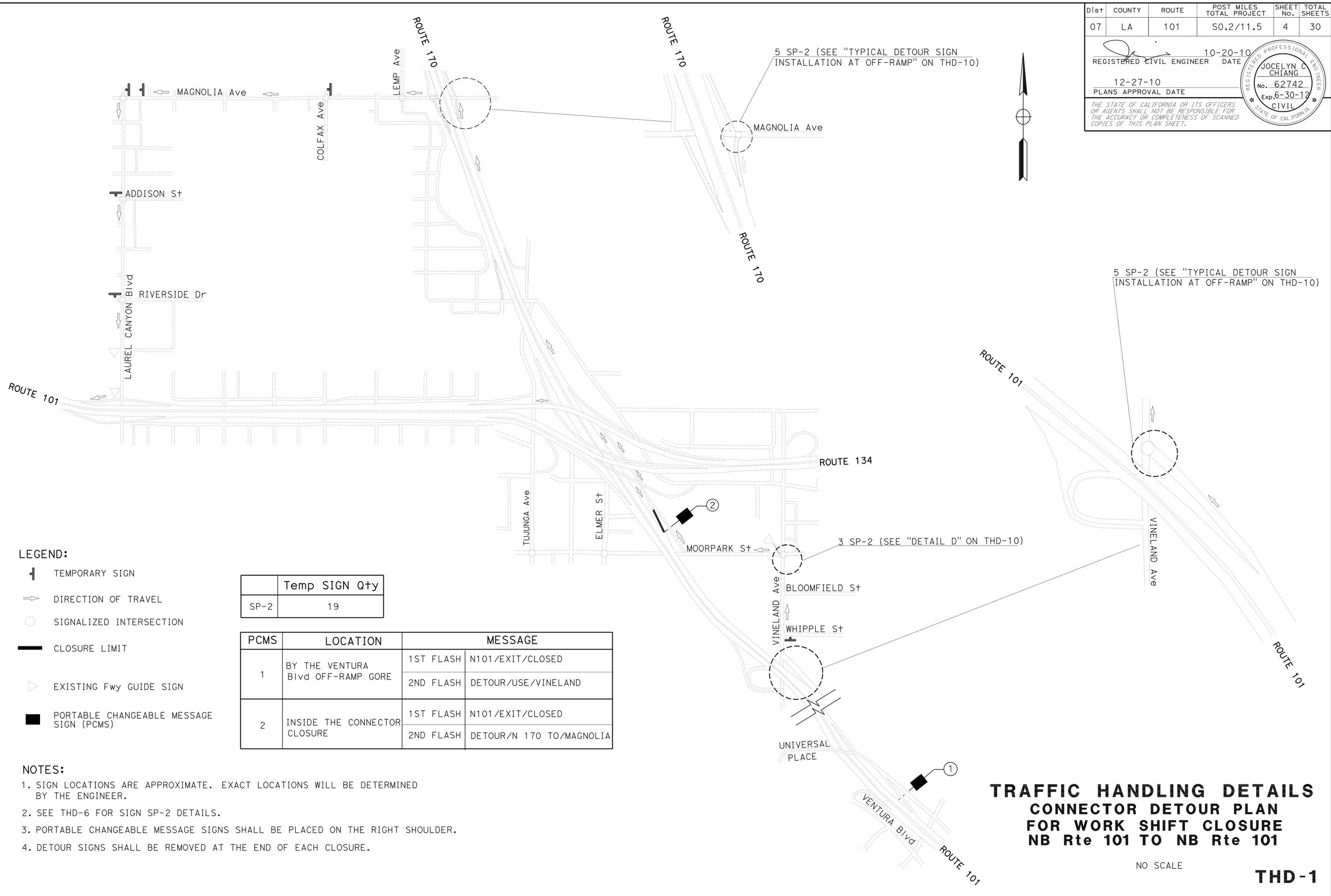
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	101	S0.2/11.5	4	30

REGISTERED CIVIL ENGINEER DATE 10-20-10

PLANS APPROVAL DATE 12-27-10

JOCELYN C. CHIANG
No. 62742
Exp. 6-30-12
CIVIL

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



LEGEND:

- TEMPORARY SIGN
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- CLOSURE LIMIT
- EXISTING Fwy GUIDE SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

	Temp SIGN Qty
SP-2	19

PCMS	LOCATION	MESSAGE	
1	BY THE VENTURA Blvd OFF-RAMP GORE	1ST FLASH	N101/EXIT/CLOSED
		2ND FLASH	DETOUR/USE/VINELAND
2	INSIDE THE CONNECTOR CLOSURE	1ST FLASH	N101/EXIT/CLOSED
		2ND FLASH	DETOUR/N 170 TO/MAGNOLIA

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-6 FOR SIGN SP-2 DETAILS.
3. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED ON THE RIGHT SHOULDER.
4. DETOUR SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

**TRAFFIC HANDLING DETAILS
CONNECTOR DETOUR PLAN
FOR WORK SHIFT CLOSURE
NB Rte 101 TO NB Rte 101**

NO SCALE

THD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FUNCTIONAL SUPERVISOR: ALBERT YU

DESIGNED BY: JOCELYN CHIANG

CHECKED BY: ALBERT YU

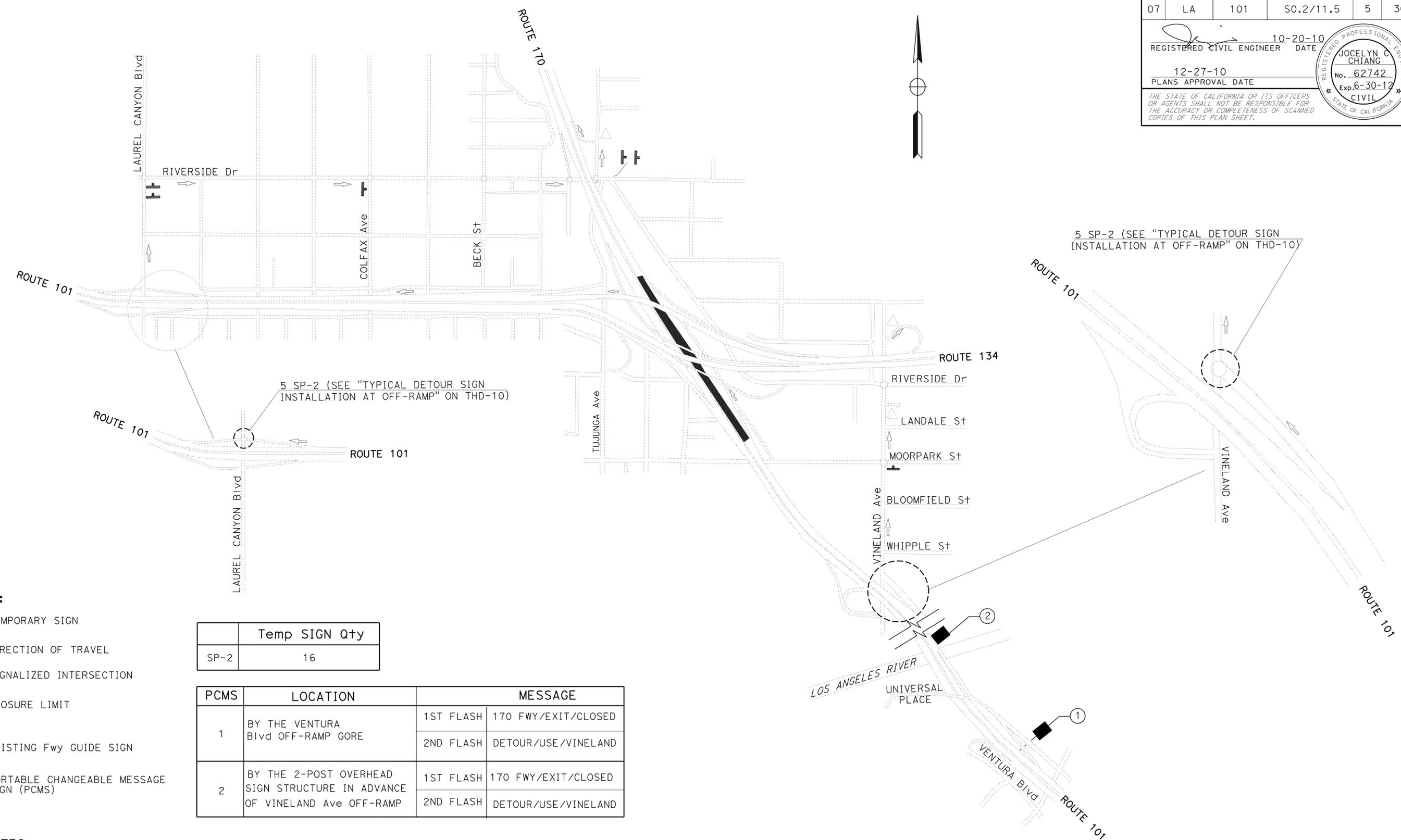
REVISOR: JOCELYN CHIANG

DATE: 12-27-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	101	S0.2/11.5	5	30

REGISTERED CIVIL ENGINEER DATE 10-20-10
 REGISTERED CIVIL ENGINEER JOCELYN C. CHIANG No. 62742 Exp. 6-30-12
 PLANS APPROVAL DATE 12-27-10

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.



5 SP-2 (SEE "TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP" ON THD-10)

5 SP-2 (SEE "TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP" ON THD-10)

LEGEND:

- TEMPORARY SIGN
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- CLOSURE LIMIT
- EXISTING Fwy GUIDE SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

	Temp SIGN Qty
SP-2	16

PCMS	LOCATION	MESSAGE	
1	BY THE VENTURA Blvd OFF-RAMP GORE	1ST FLASH	170 FWY/EXIT/CLOSED
		2ND FLASH	DETOUR/USE/VINELAND
2	BY THE 2-POST OVERHEAD SIGN STRUCTURE IN ADVANCE OF VINELAND Ave OFF-RAMP	1ST FLASH	170 FWY/EXIT/CLOSED
		2ND FLASH	DETOUR/USE/VINELAND

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-6 FOR SIGN SP-2 DETAILS.
3. PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE PLACED ON THE RIGHT SHOULDER.
4. TEMPORARY SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

**TRAFFIC HANDLING DETAILS
CONNECTOR DETOUR PLAN
FOR WORK SHIFT CLOSURE
NB Rte 101 TO NB Rte 170**

NO SCALE

THD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Et Caltrans®
 FUNCTIONAL SUPERVISOR ALBERT YU
 CALCULATED/DESIGNED BY JOCELYN CHIANG
 CHECKED BY ALBERT YU
 REVISED BY JOCELYN CHIANG
 DATE REVISOR DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	101	S0.2/11.5	6	30

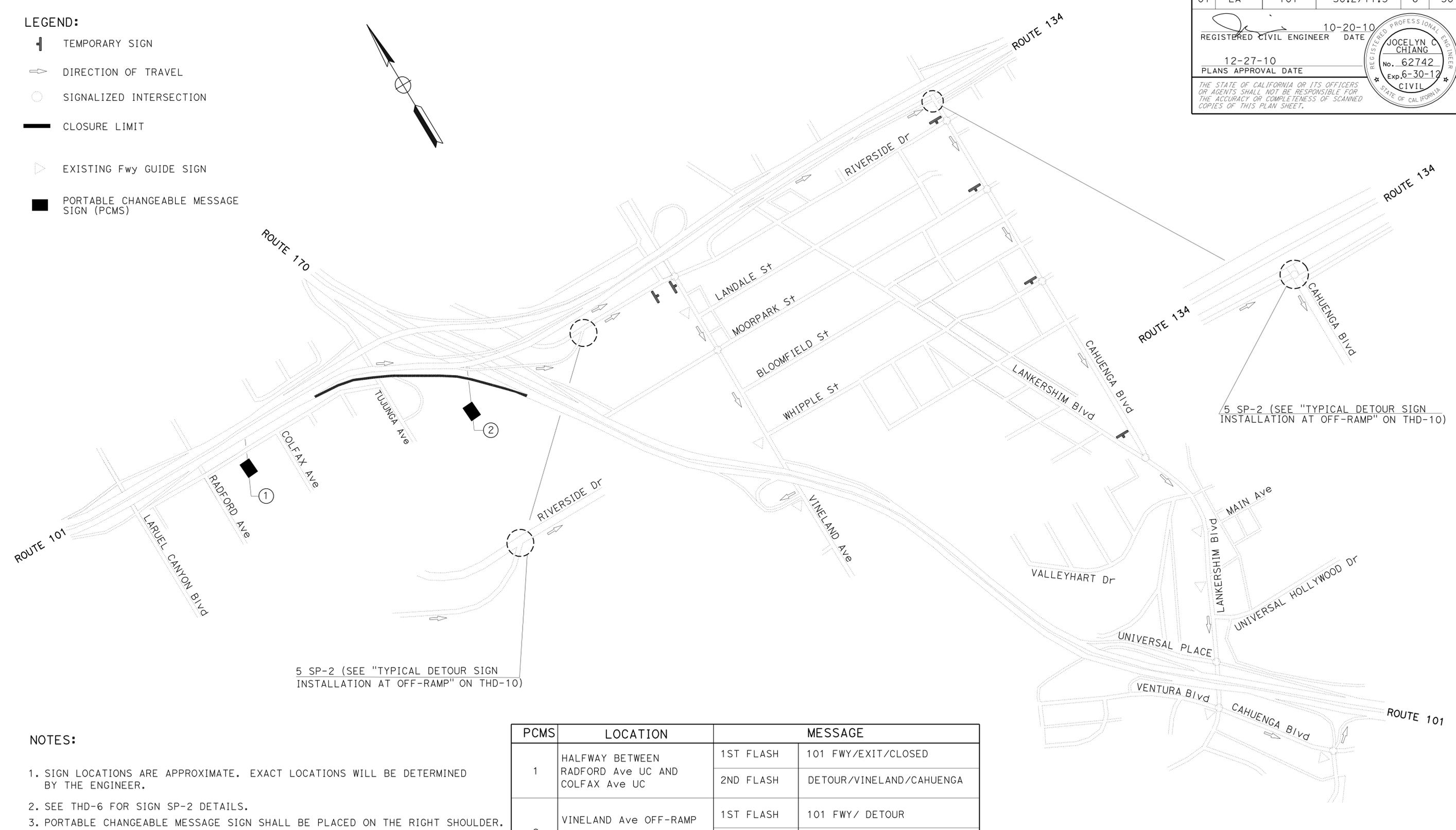
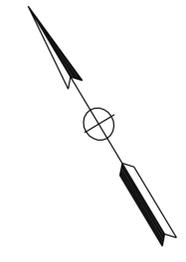
10-20-10
REGISTERED CIVIL ENGINEER DATE

12-27-10
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
JOCELYN C. CHIANG
No. 62742
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

- LEGEND:**
- ⊥ TEMPORARY SIGN
 - ⇨ DIRECTION OF TRAVEL
 - SIGNALIZED INTERSECTION
 - ▬ CLOSURE LIMIT
 - ▽ EXISTING Fwy GUIDE SIGN
 - PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)



5 SP-2 (SEE "TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP" ON THD-10)

5 SP-2 (SEE "TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP" ON THD-10)

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-6 FOR SIGN SP-2 DETAILS.
3. PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE PLACED ON THE RIGHT SHOULDER.
4. TEMPORARY SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

PCMS	LOCATION	MESSAGE	
1	HALFWAY BETWEEN RADFORD Ave UC AND COLFAX Ave UC	1ST FLASH	101 FWY/EXIT/CLOSED
		2ND FLASH	DETOUR/VINELAND/CAHUENGA
2	VINELAND Ave OFF-RAMP GORE	1ST FLASH	101 FWY/ DETOUR
		2ND FLASH	OK / USE/ CAHUENGA

	Temp SIGN Qty
SP-2	16

**TRAFFIC HANDLING DETAILS
CONNECTOR DETOUR PLAN
FOR WORK SHIFT CLOSURE
SB Rte 101 TO SB Rte 101**

NO SCALE

THD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION | DATE PLOTTED => 22-DEC-2010
12-15-10 | TIME PLOTTED => 10:04

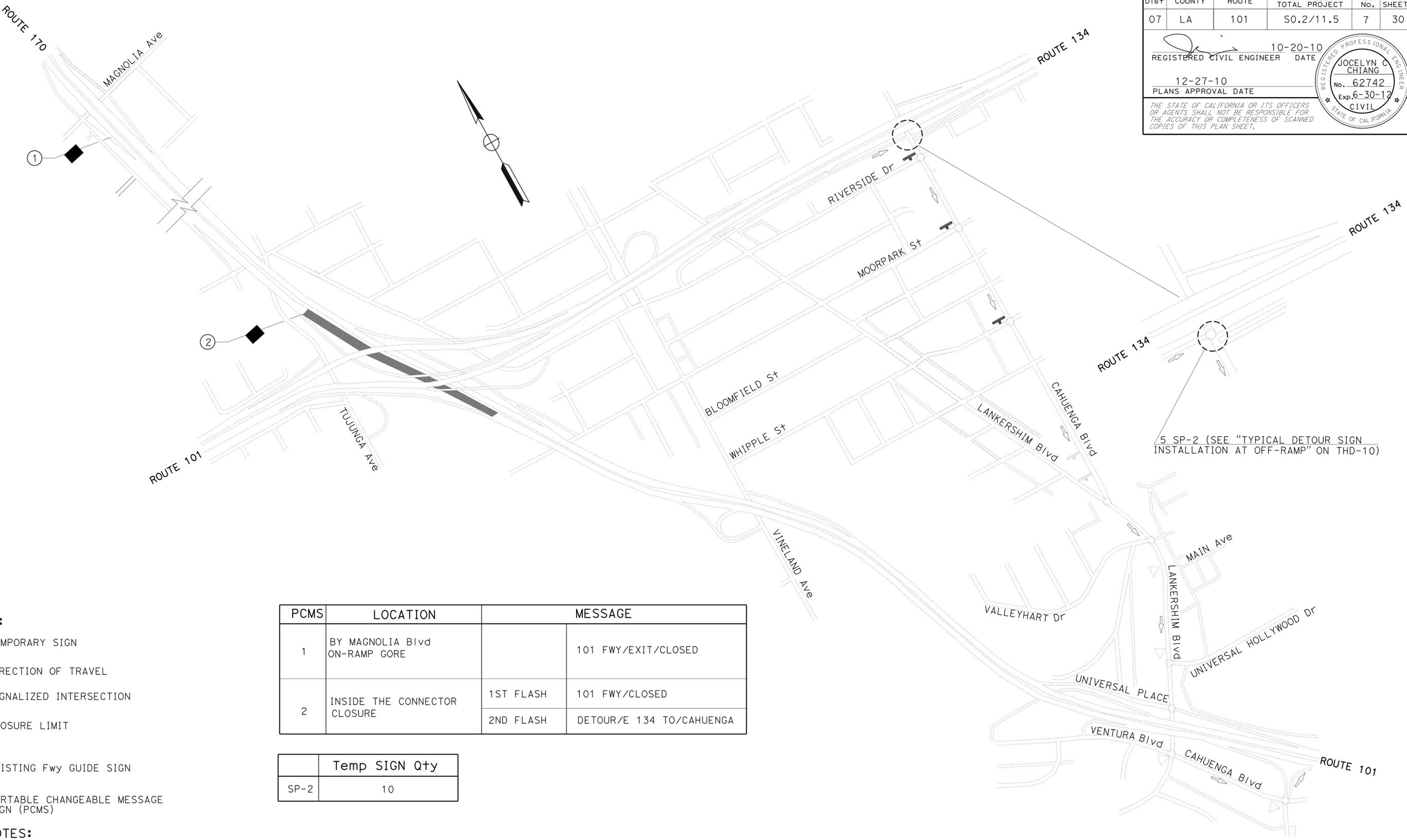
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	101	S0.2/11.5	7	30

10-20-10
REGISTERED CIVIL ENGINEER DATE

12-27-10
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
JOCELYN C. CHIANG
No. 62742
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA



LEGEND:

- TEMPORARY SIGN
- DIRECTION OF TRAVEL
- SIGNALIZED INTERSECTION
- CLOSURE LIMIT
- EXISTING Fwy GUIDE SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

PCMS	LOCATION	MESSAGE	
1	BY MAGNOLIA Blvd ON-RAMP GORE		101 FWY/EXIT/CLOSED
2	INSIDE THE CONNECTOR CLOSURE	1ST FLASH	101 FWY/CLOSED
		2ND FLASH	DETOUR/E 134 TO/CAHUENGA

	Temp SIGN Qty
SP-2	10

NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. SEE THD-6 FOR SIGN SP-2 DETAILS.
3. EXCEPT WHEN PLACED INSIDE THE CONNECTOR CLOSURE, PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE PLACED ON THE RIGHT SHOULDER.
4. TEMPORARY SIGNS SHALL BE REMOVED AT THE END OF EACH CLOSURE.

**TRAFFIC HANDLING DETAILS
CONNECTOR DETOUR PLAN
FOR WORK SHIFT CLOSURE
SB Rte 170 TO SB Rte 101**

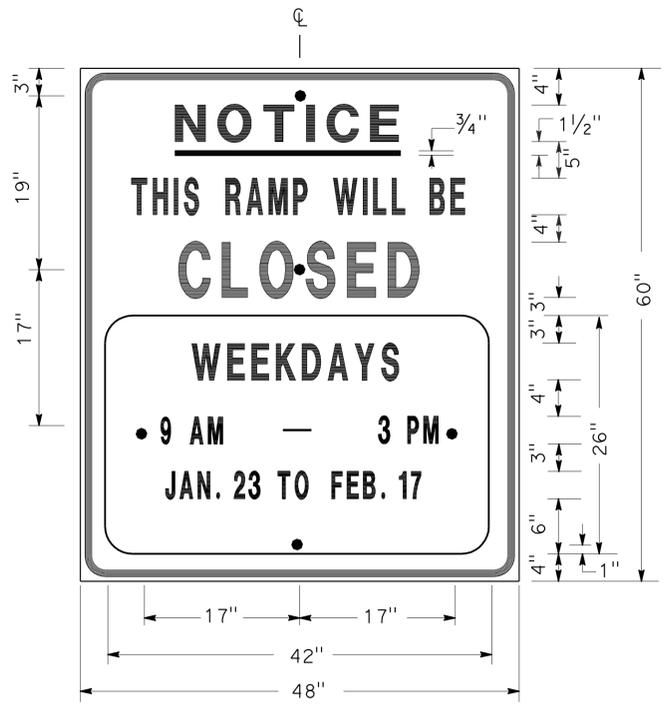
NO SCALE **THD-4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ALBERT YU
FUNCTIONAL SUPERVISOR
ALBERT YU
CHECKED BY
ALBERT YU
DESIGNED BY
ALBERT YU
CALCULATED BY
ALBERT YU
REVISOR
ALBERT YU
DATE
ALBERT YU

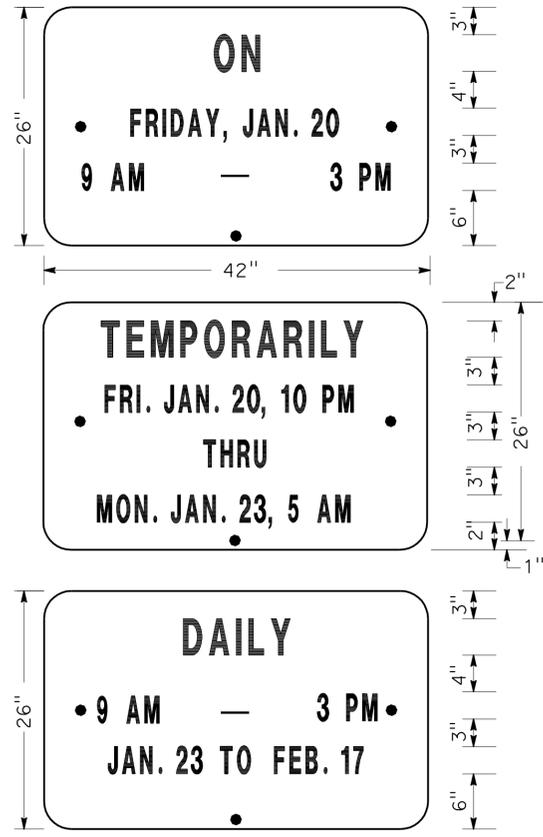
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	101	S0.2/11.5	8	30

REGISTERED CIVIL ENGINEER: JOCELYN C CHIANG
 No. 62742
 Exp. 6-30-12
 DATE: 10-20-10
 PLANS APPROVAL DATE: 12-27-10

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



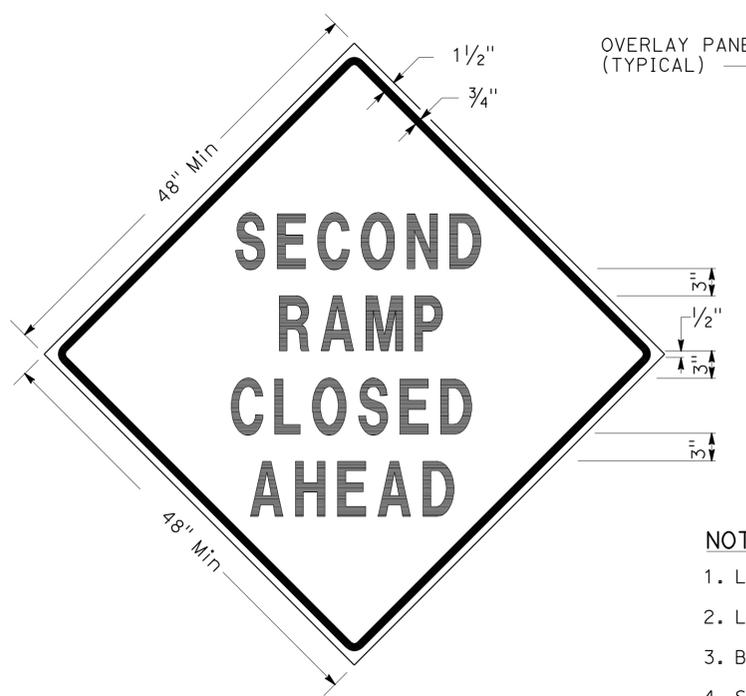
ALTERNATE OVERLAY PANELS (TYPICAL)

- 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

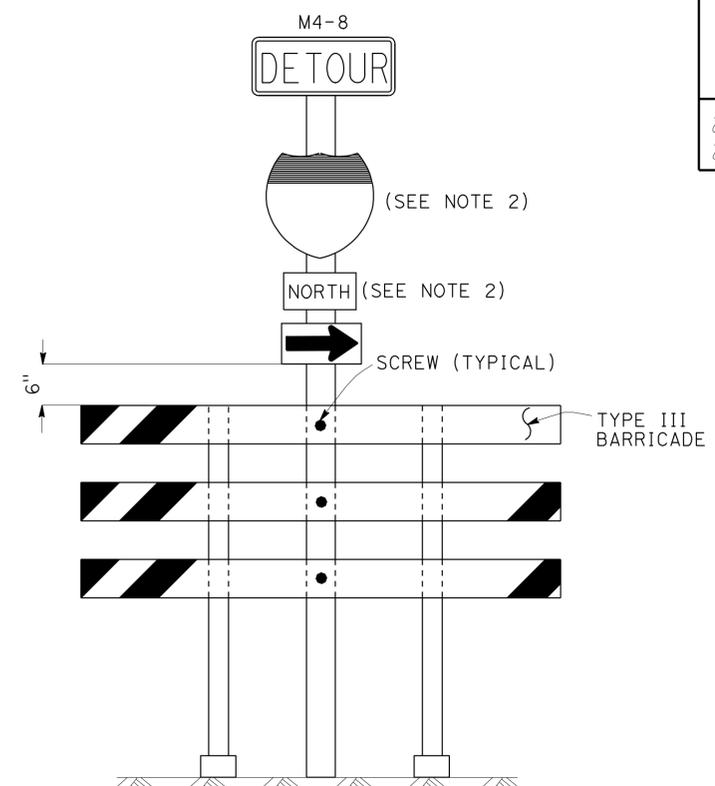
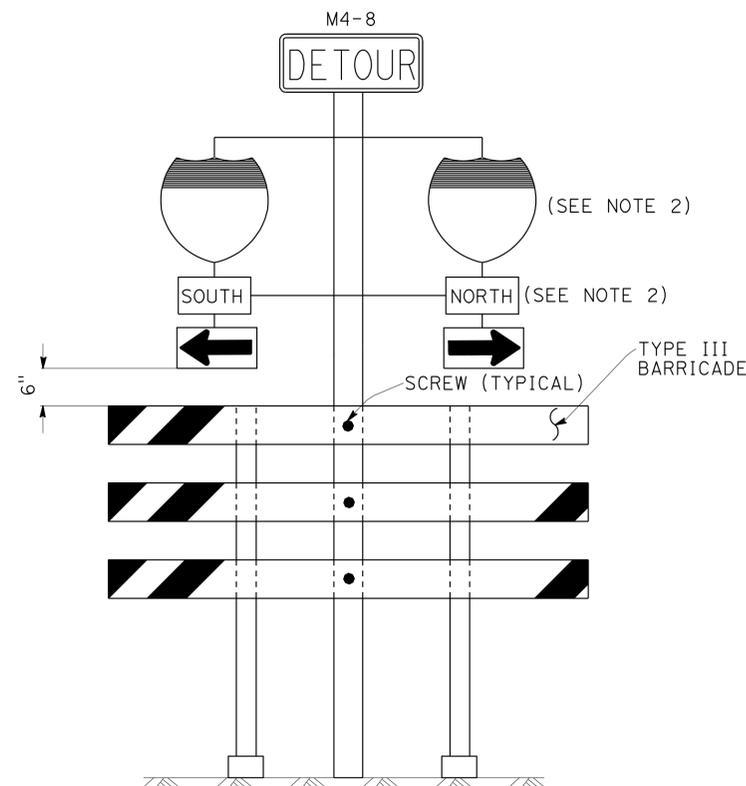
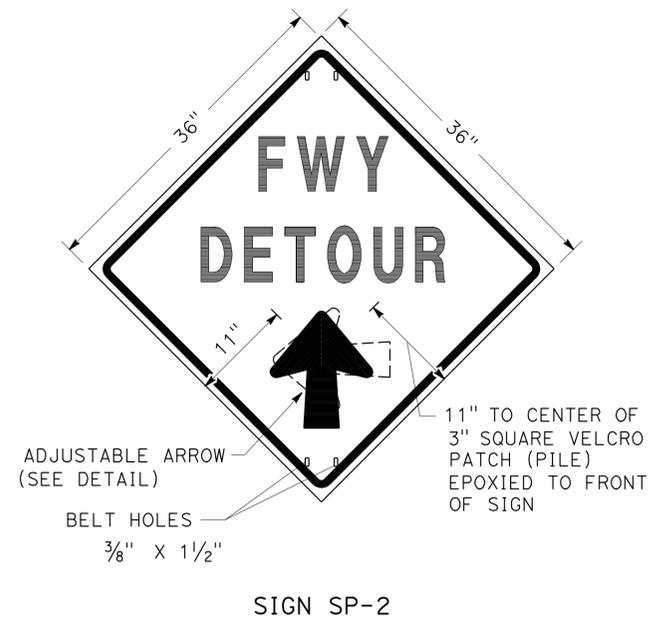
- NOTES: (SIGN SP-4)
- LETTERS - 6" SERIES C.
 - LETTERS AND BORDERS - BLACK ON RETROREFLECTORIZED WHITE BACKGROUND.
 - BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
 - SIGNS SHALL BE PLACED AT RAMP ENTRANCES IN ADDITION TO SIGNS POSTED IN ACCORDANCE WITH STANDARD PLAN T14.

SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

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

SHEET 1 OF 2

THD-5

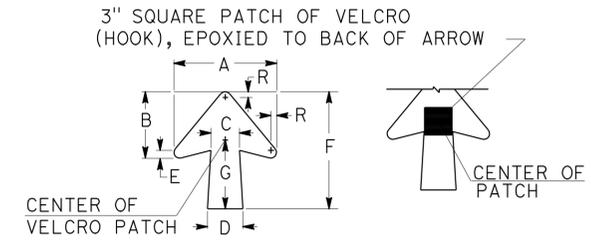


- NOTES:** (SIGN SP-2)
- LETTERS -6" SERIES E.
 - LETTERS, BORDER AND ARROW - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
 - BASE MATERIAL FOR SIGNS AND ARROWS SHALL BE ALUMINUM (MINIMUM 0.06").
 - BELTS (LUGGAGE STRAPS) SHALL BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
 - 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 1/8"	4"	7/8"	13"	7 1/2"	5/8"

SPECIAL PORTABLE FREEWAY DETOUR SIGN

ADJUSTABLE ARROW DETAIL

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR RAMP CLOSURES, DETOUR SIGNS
AND MISCELLANEOUS DETAILS
SHEET 2 OF 2**

NO SCALE

THD-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM

FUNCTIONAL SUPERVISOR: ALBERT YU

CALCULATED/DESIGNED BY: ALBERT K YU

CHECKED BY: JOCELYN C CHIANG

REVISOR: JC

DATE REVISED: 7/10

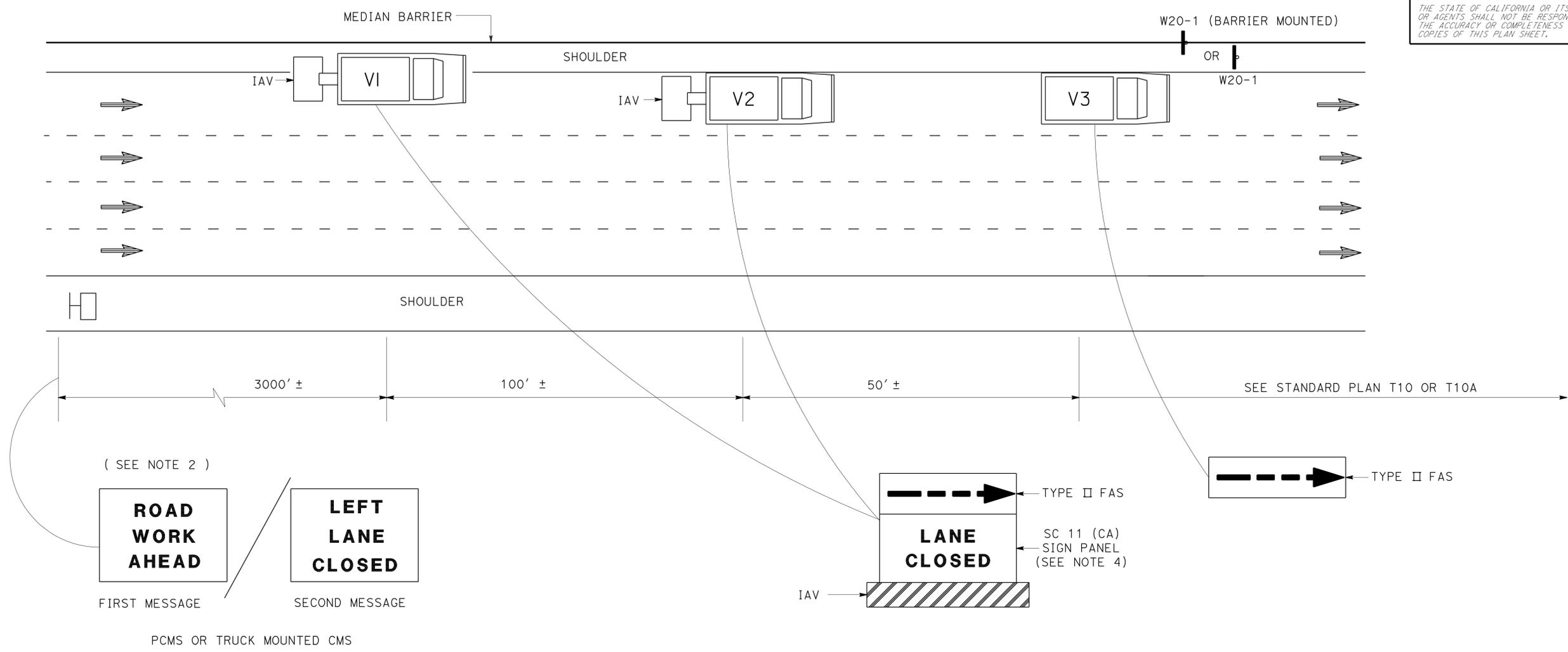
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	101	50.2/11.5	10	30

10-20-10
REGISTERED CIVIL ENGINEER DATE

12-27-10
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
JOCELYN C. CHIANG
No. 62742
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA



NOTES:

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

LEGEND

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

ABBREVIATIONS

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

**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR MEDIAN SHOULDERS LESS THAN 8 FEET**

NO SCALE

THD-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DTM

ALBERT K YU
ALBERT YU
JOCELYN C CHIANG

JC
7/10

REVISOR BY
DATE REVISED

ALBERT K YU
JOCELYN C CHIANG

CALCULATED/DESIGNED BY
CHECKED BY

ALBERT YU

FUNCTIONAL SUPERVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	101	S0.2/11.5	11	30

10-20-10
REGISTERED CIVIL ENGINEER DATE

12-27-10
PLANS APPROVAL DATE

JOCELYN C. CHIANG
No. 62742
Exp. 6-30-12
CIVIL

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

NOTES:

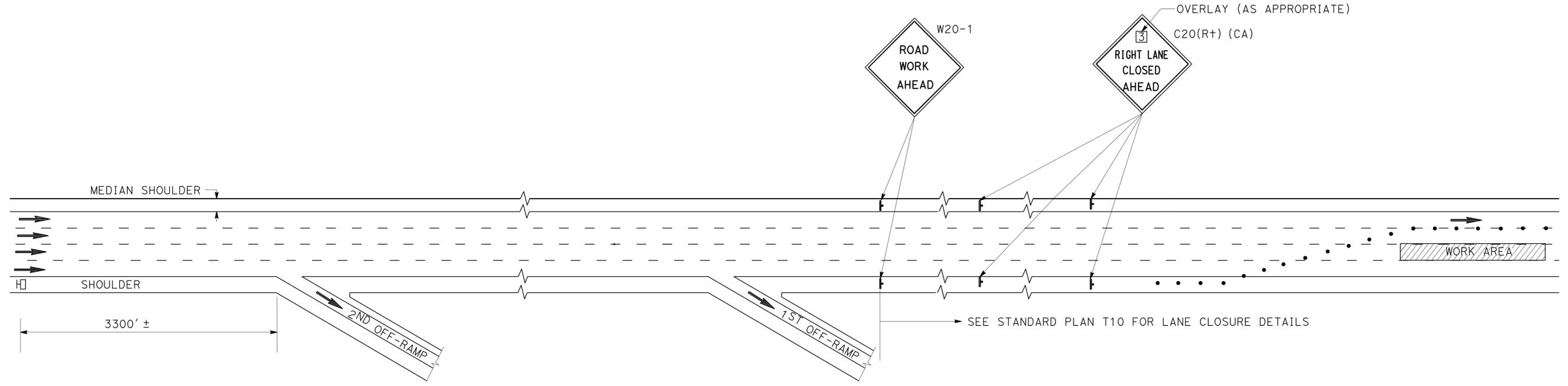
- WORDING DISPLAYED ON PCMS WILL BE APPROVED BY THE ENGINEER.
- EXACT LOCATIONS OF PCMS WILL BE DETERMINED BY THE ENGINEER.
- CHANGE PCMS MESSAGE AT THE BEGINNING OF CURE PERIOD TO REFLECT NUMBER OF CLOSED LANES.

ABBREVIATIONS:

PCMS PORTABLE CHANGEABLE MESSAGE SIGN
(CA) CALIFORNIA CODE

LEGEND:

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



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-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®

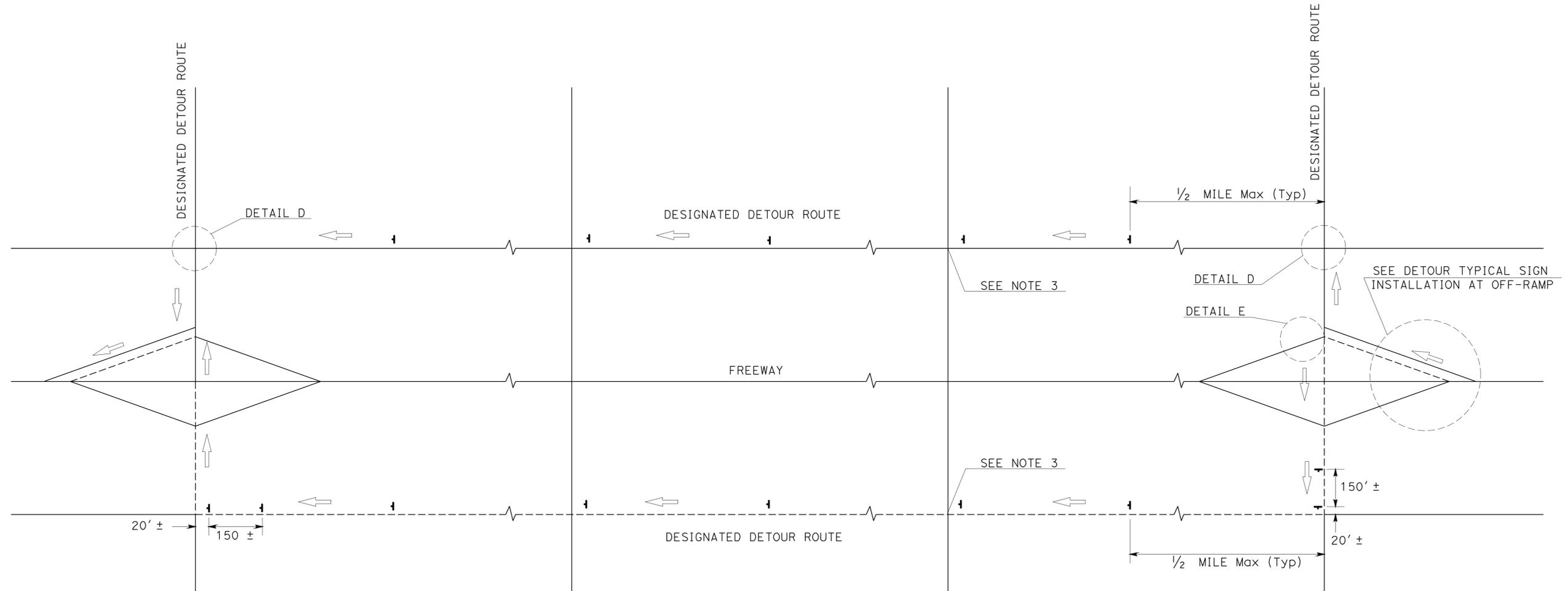
FUNCTIONAL SUPERVISOR: ALBERT YU
CHECKED BY: JOCELYN C CHIANG
REVISOR: JC
DATE REVISED: 7/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	101	S0.2/11.5	12	30

10-20-10
 REGISTERED CIVIL ENGINEER DATE
 12-27-10
 PLANS APPROVAL DATE

JOCELYN C. CHIANG
 No. 62742
 Exp. 6-30-12
 CIVIL

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



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**

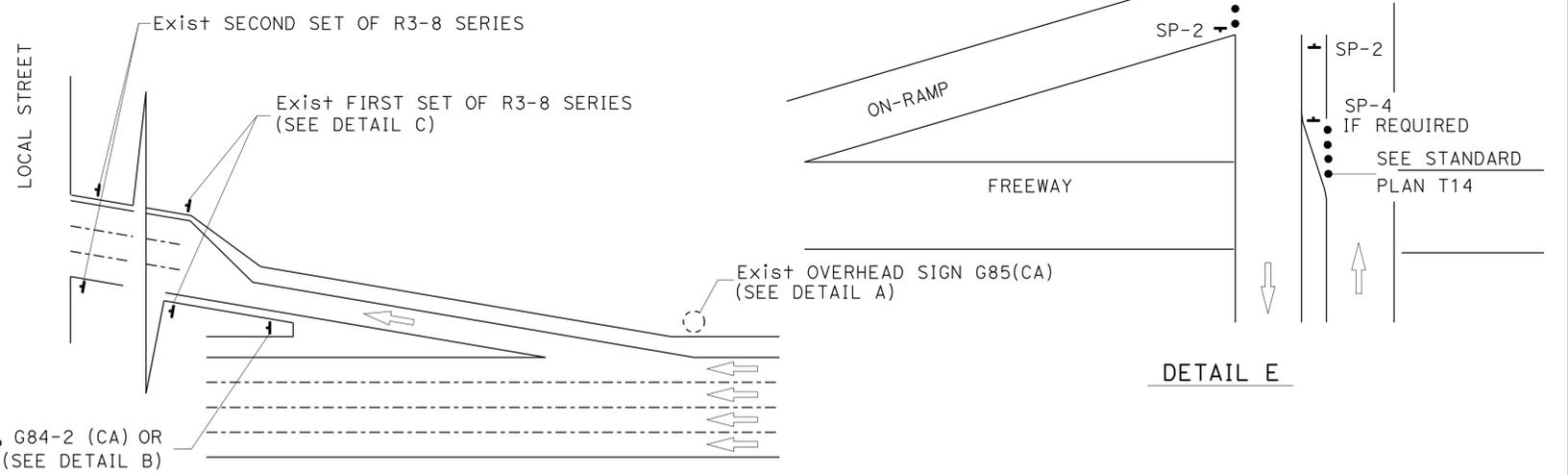
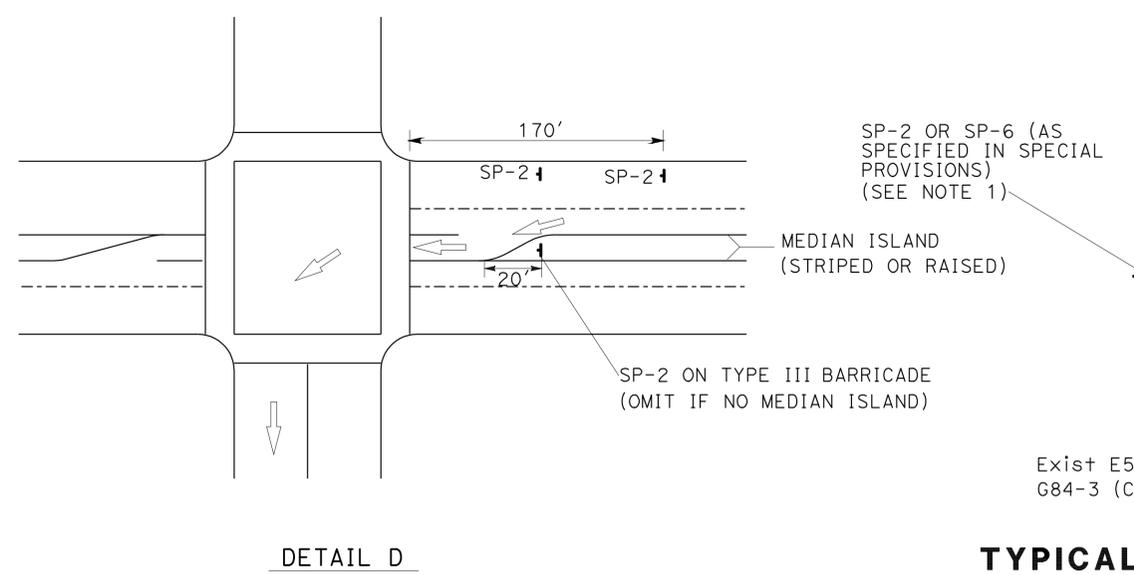
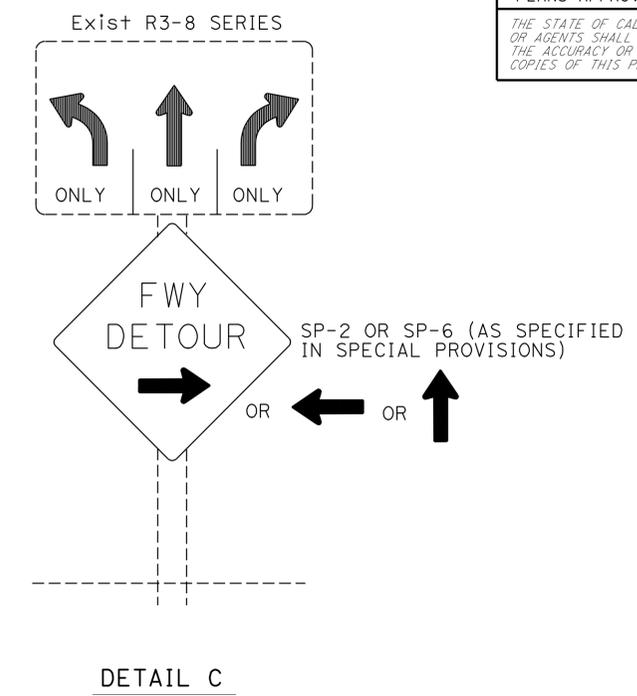
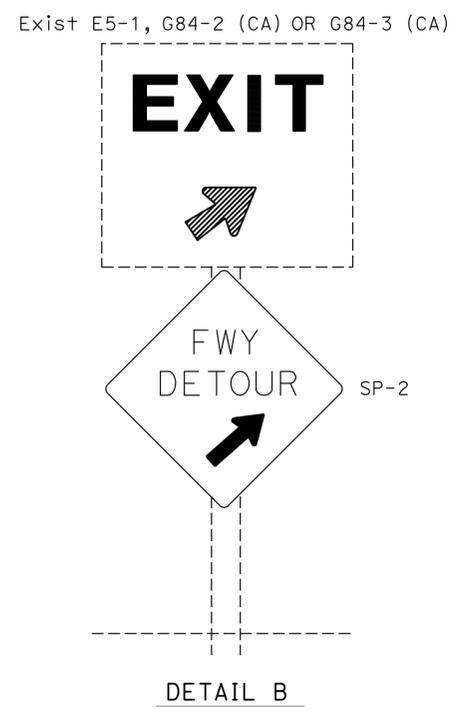
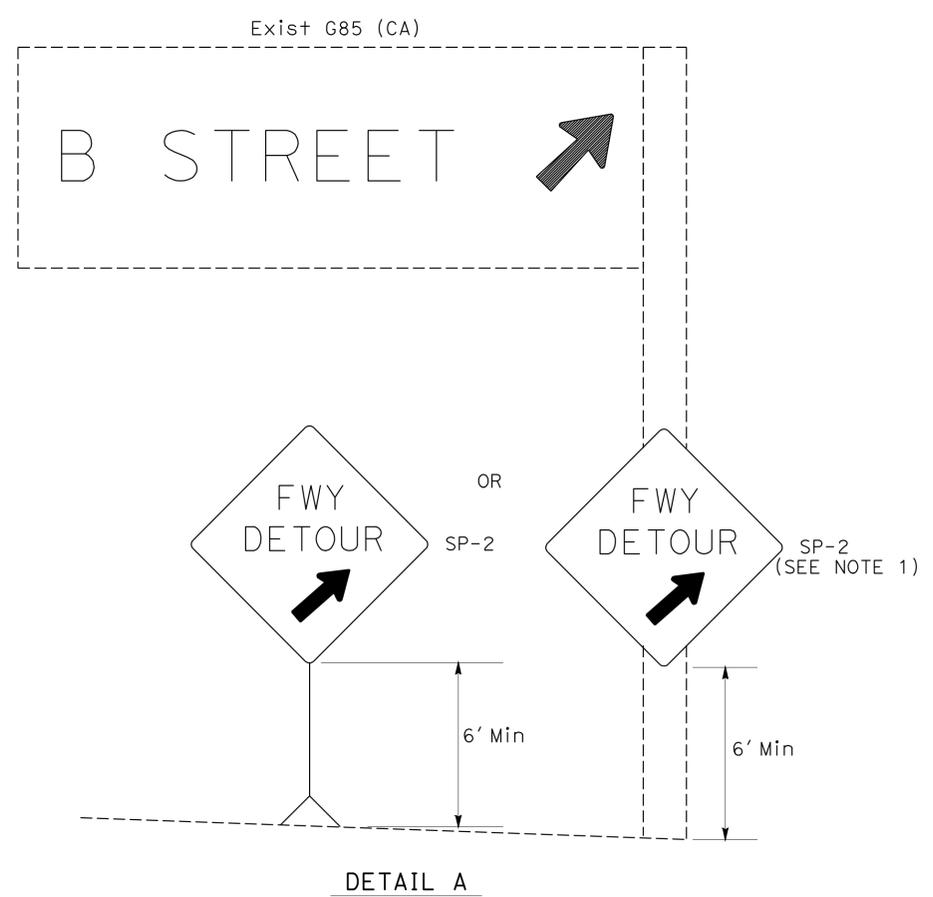
NO SCALE

THD-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: ALBERT YU
 DESIGNED BY: ALBERT K YU
 CHECKED BY: JOCELYN C CHIANG
 REVISIONS: JC 7/10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	101	S0.2/11.5	13	30

REGISTERED CIVIL ENGINEER DATE 10-20-10
 12-27-10
 PLANS APPROVAL DATE
 JOCELYN C. CHIANG
 No. 62742
 Exp. 6-30-12
 CIVIL
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



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-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM

ALBERT K YU
ALBERT YU
JC
8/10

USERNAME => s110796
DGN FILE => 74y300me010.dgn

RELATIVE BORDER SCALE IS IN INCHES

0 1 2 3

UNIT 1863

PROJECT NUMBER & PHASE

07000200311

LAST REVISION DATE PLOTTED => 22-DEC-2010
12-15-10 TIME PLOTTED => 10:05

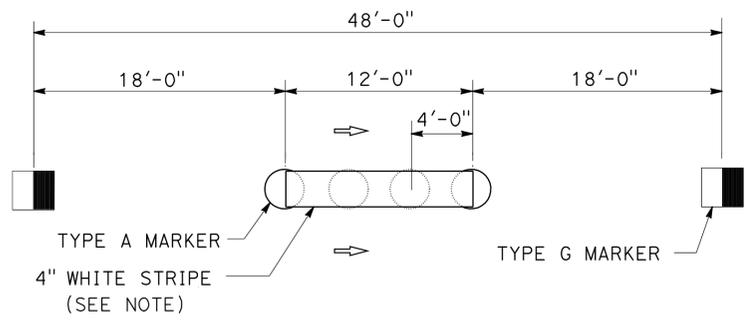
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	101	SO.2/11.5	14	30

10-26-10
 REGISTERED CIVIL ENGINEER DATE
 12-27-10
 PLANS APPROVAL DATE

PAUL FOK
 No. C68473
 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.

NOTE:
 APPLY 4" WIDE THERMOPLASTIC TRAFFIC STRIPE ON TOP OF TYPE A NON-REFLECTIVE MARKERS



LEGEND:
 → DIRECTION OF TRAVEL

DETAIL 13 (MODIFIED)

PAVEMENT DELINEATION QUANTITIES

Loc	PM	NAME OF BRIDGE	BRIDGE No.	LF	LF	EA	SQFT	THERMOPLASTIC TRAFFIC STRIPE								SQFT	PAVEMENT MARKER		
																	RETROREFLECTIVE		NON-REFLECTIVE
								DETAIL 12	DETAIL 13 (MODIFIED)	DETAIL 21	DETAIL 25	DETAIL 27B	DETAIL 36	DETAIL 36B	DETAIL 37		TYPE G	TYPE H	TYPE A
								4" WHITE STRIPE BROKEN (36-12)	4" YELLOW STRIPE	4" YELLOW STRIPE	4" WHITE STRIPE	8" WHITE STRIPE	8" WHITE STRIPE BROKEN (12-3)						
								LF	LF	LF	LF	LF	LF	SQFT	EA				
⑥	4.58	CLINTON STREET UC	53-0317L	1,003	2,442	317	60		2,466	1,003	1,003		180	465	60	90	21	206	
⑦	4.58	HELIOTROPE DRIVE UC	53-0672R	612	1,469	245			1,836	612	612			612		79	13	153	
⑧	4.85	MELROSE AVENUE UC	53-0673L	225	495	75			675	225	225					14	5	56	
⑨	4.99	NORMANDIE AVENUE UC	53-0674	438	964	146			1,314	438	438					27	9	110	
⑩	6.65	BRONSON AVENUE OC	53-0724	518	219		178			518	219			178					
⑪	7.2	FRANKLIN AVENUE UC (OFF-RAMP)	53-0728K	140	196	6		140		140	140					3	3		
⑫	7.32	IVAR AVENUE RAMP SEPARATION	53-0783K	316	442	14		316		316	316					7	7		
⑭	10.83	LOS ANGELES RIVER	53-1224	276	718	121			1,104	276	276					23	6	92	
⑮	11.11	VINELAND AVENUE UC	53-1225	360	1,266	165			1,440	360	360	165				37	8	120	
⑯	11.45	MOORPARK STREET UC	53-1226	250	896	102	40		860	250	530		110	40		25	8	72	
SUB TOTAL				4,138	9,107	1,188	278	456	9,695	518	3,620	4,119	165	180	278	305	75	808	
TOTAL (THIS SHEET)				4,138	9,107	1,188	278	10,151		8,257		345	1,187	278		380		808	

PAVEMENT DELINEATION QUANTITIES
PDQ-1

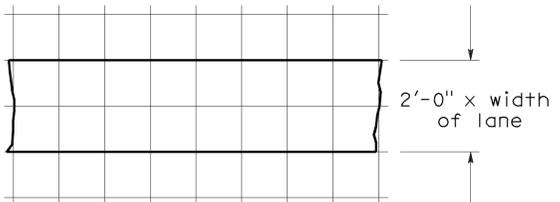
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR
 MONIR IBRAHIM
 CALCULATED/DESIGNED BY
 CHECKED BY
 PAUL W. FOK
 SHAFTOUL ISLAM
 REVISED BY
 DATE
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	101	SO.2/11.5	15	30

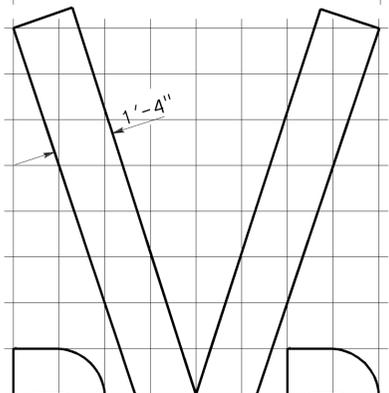
Donald E. Howe
 REGISTERED CIVIL ENGINEER
 June 6, 2008
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER
 Donald E. Howe
 No. C46402
 Exp. 3-31-09
 CIVIL
 STATE OF CALIFORNIA

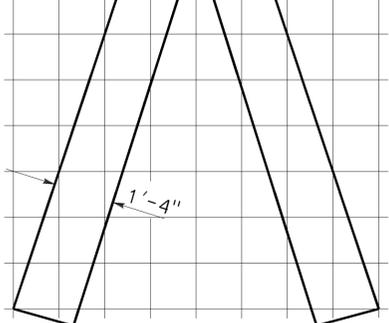
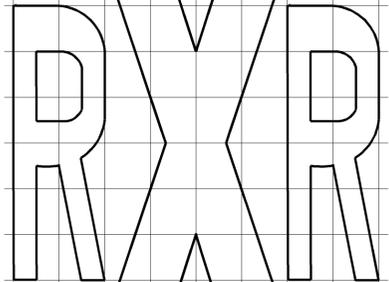
To accompany plans dated 12-27-10



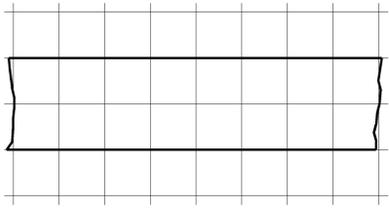
8'-0"



20'-0"



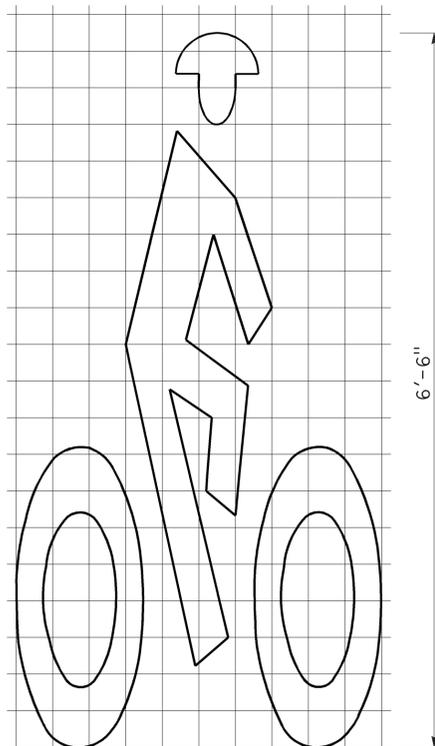
14'-0"



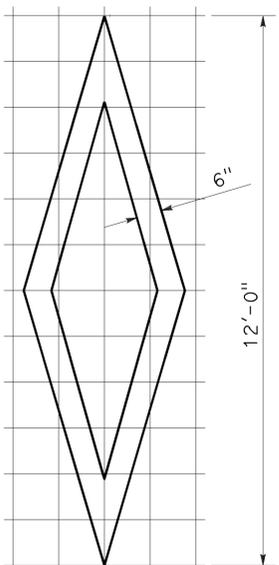
1'-0" GRID
A=70 sq ft *

RAILROAD CROSSING SYMBOL

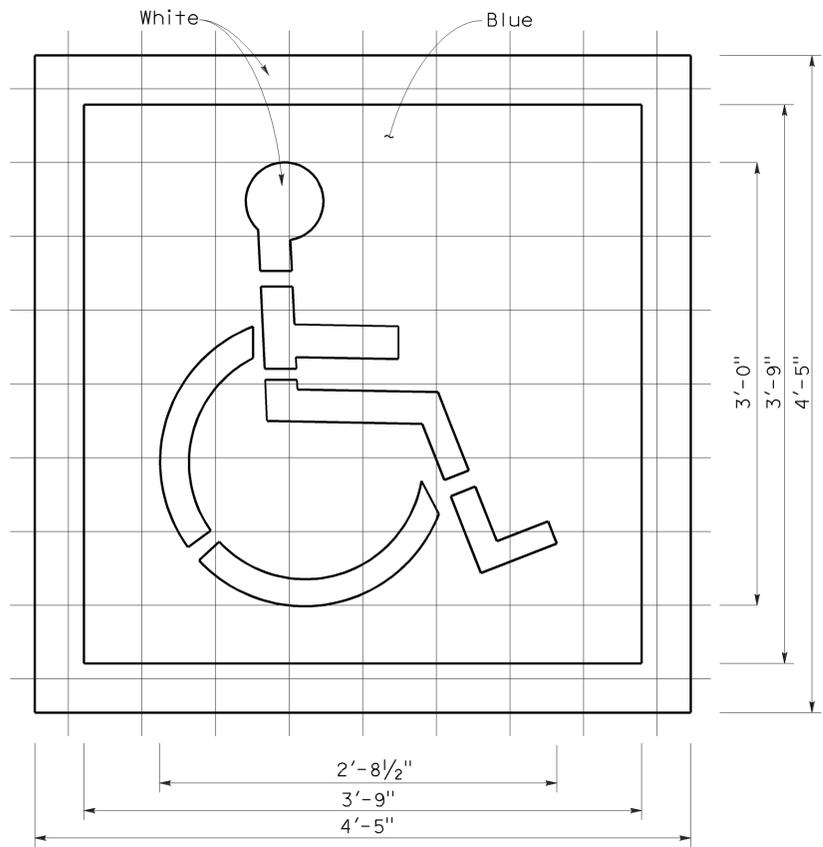
*70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



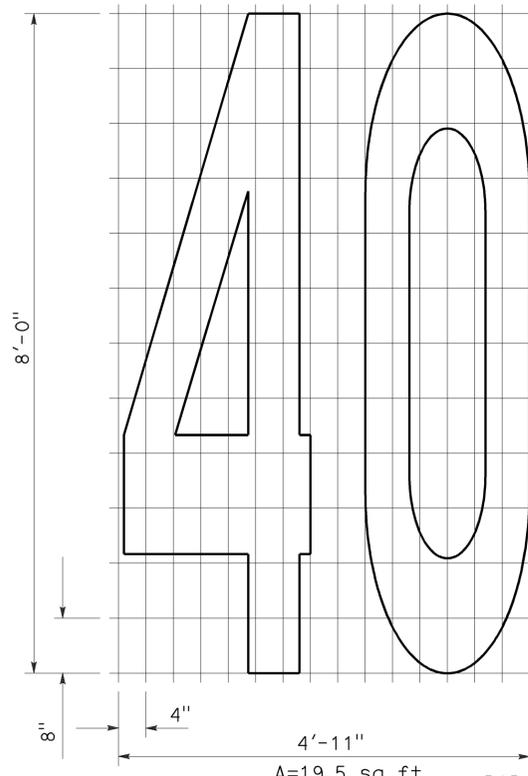
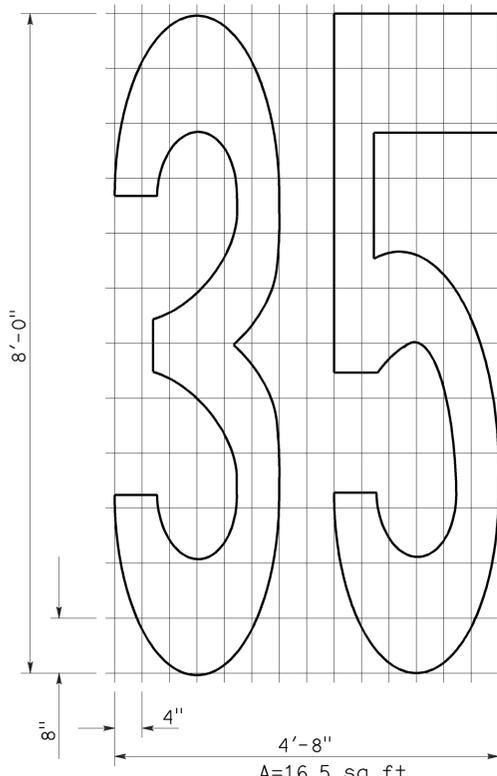
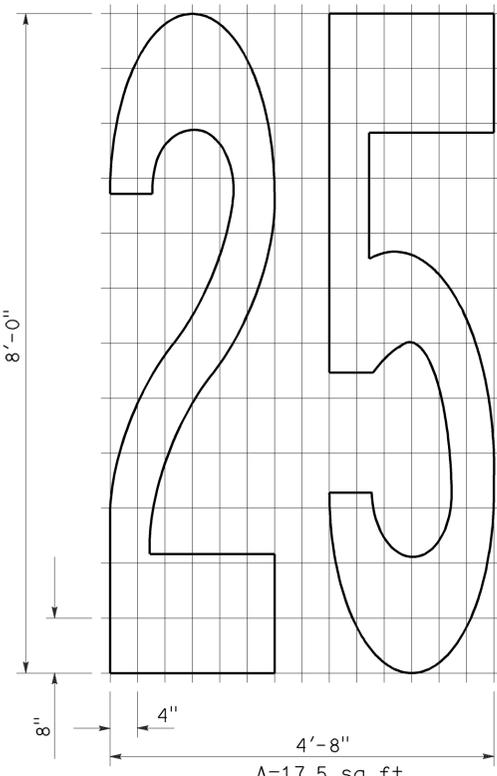
BIKE LANE SYMBOL



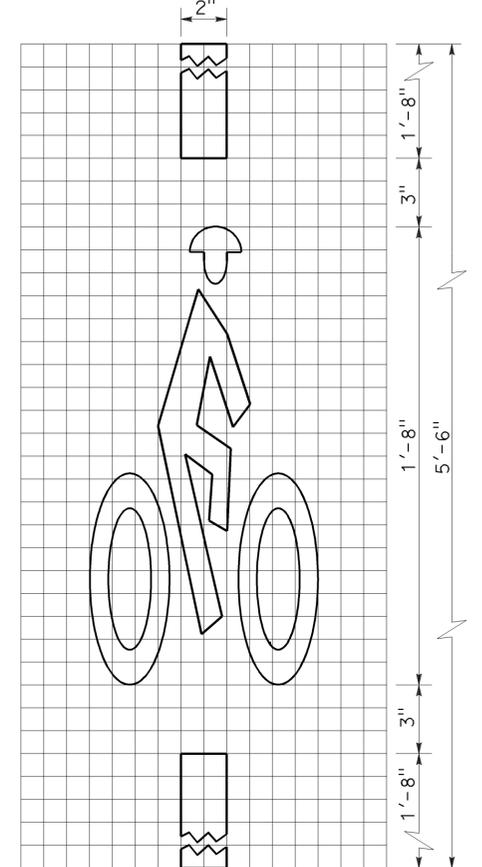
DIAMOND SYMBOL



INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING



NUMERALS



BICYCLE LOOP DETECTOR SYMBOL

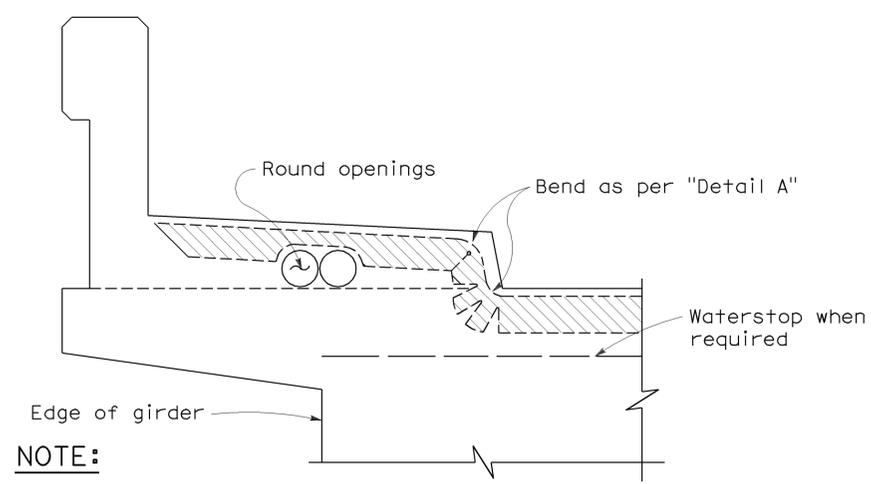
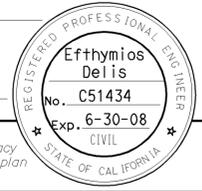
NOTE:
1. Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS SYMBOLS AND NUMERALS

NO SCALE

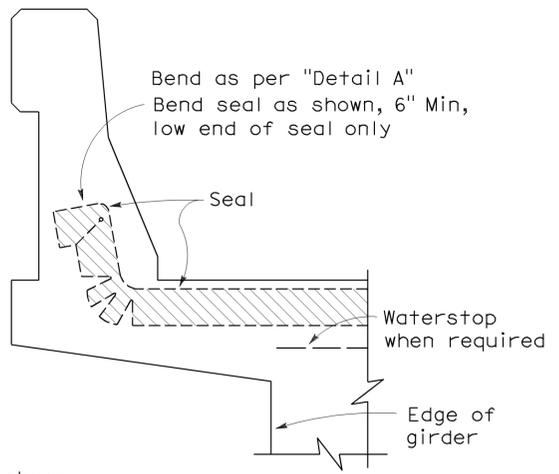
2006 REVISED STANDARD PLAN RSP A24C

RSP A24C DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A24C DATED MAY 1, 2006 - PAGE 11 OF THE STANDARD PLANS BOOK DATED MAY 2006.

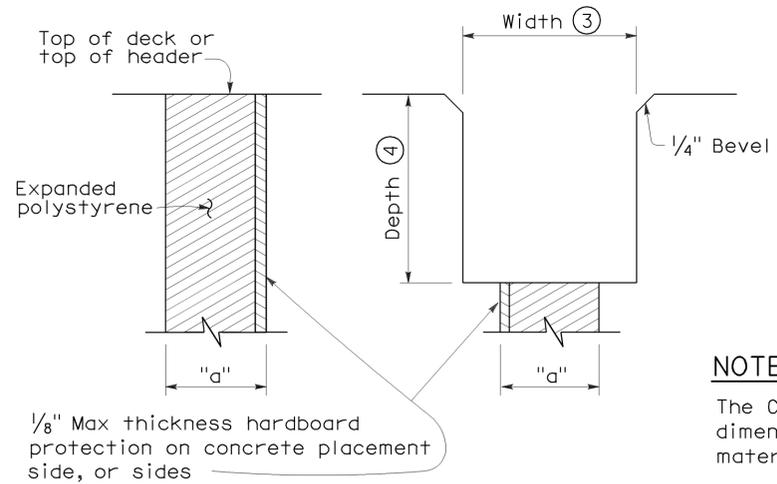


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



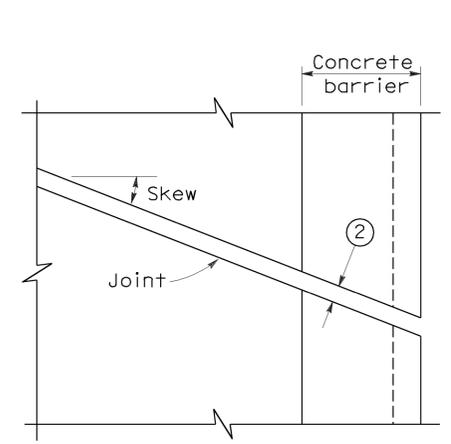
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

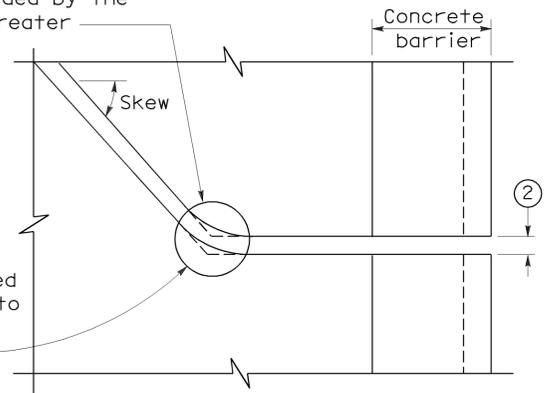
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



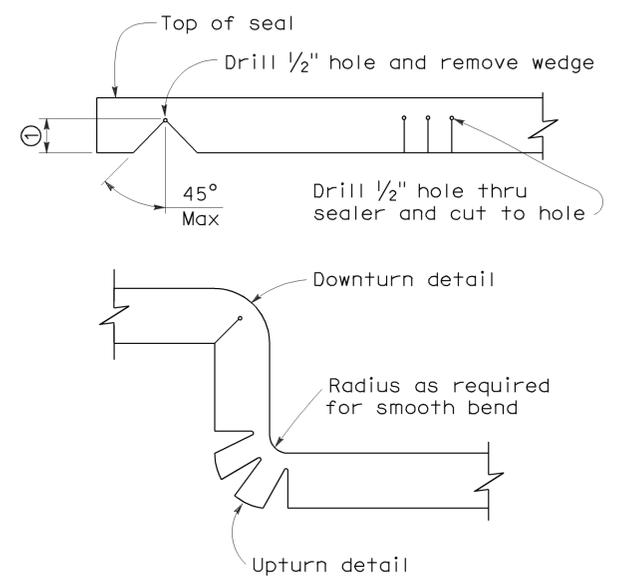
PLAN OF JOINT (SKEW ≤ 20°)

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



PLAN OF JOINT (SKEW > 20°)

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

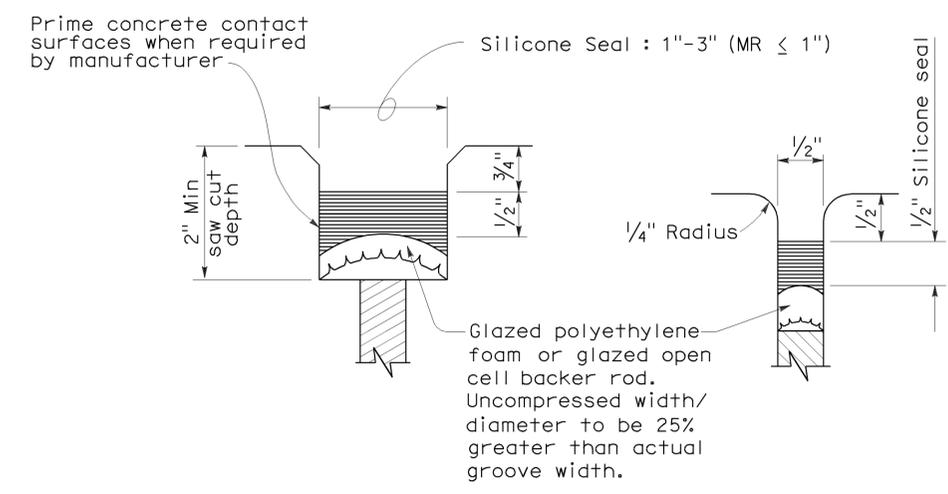


DETAIL A

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

DIMENSIONS "a" OF JOINT REQUIRED

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

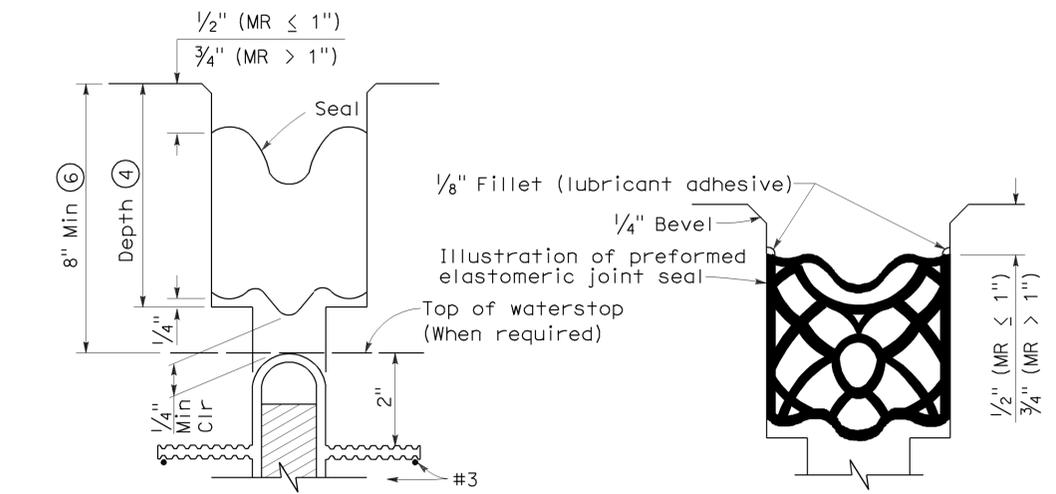


TYPE A SEAL

Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W₂)

TYPE B SEAL

Movement Rating ≤ 2"

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

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

2006 REVISED STANDARD PLAN RSP B6-21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	101	SO.2/11.5	17	30

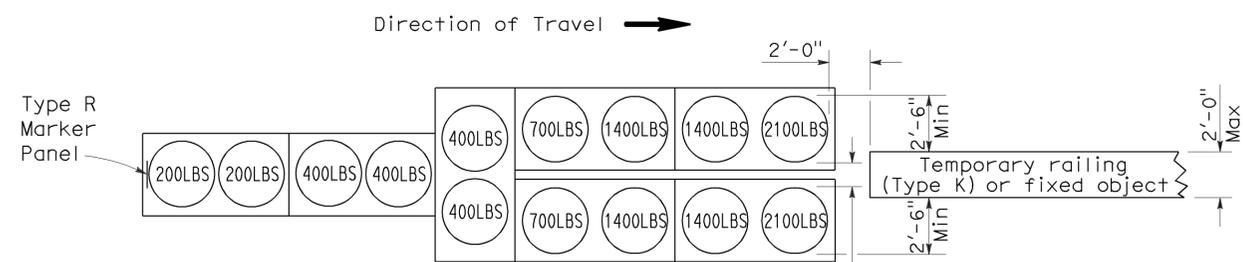
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

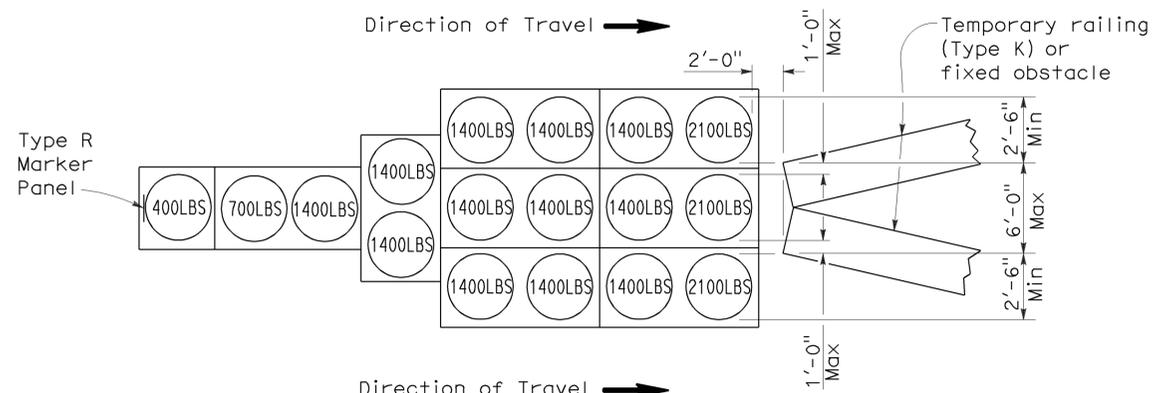
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 12-27-10



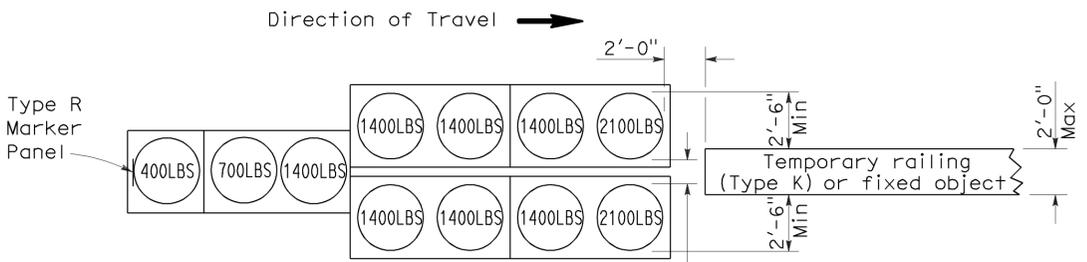
ARRAY 'TU14'

Approach speed 45 mph or more



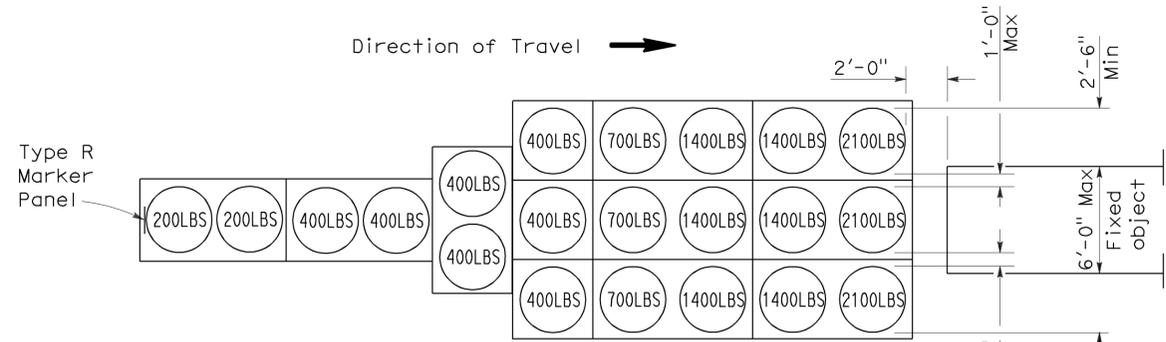
ARRAY 'TU17'

Approach speed less than 45 mph



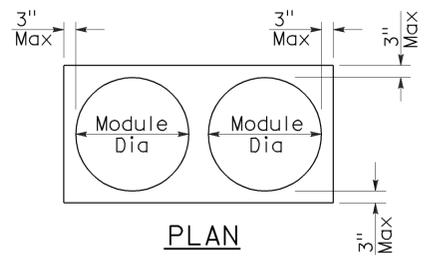
ARRAY 'TU11'

Approach speed less than 45 mph

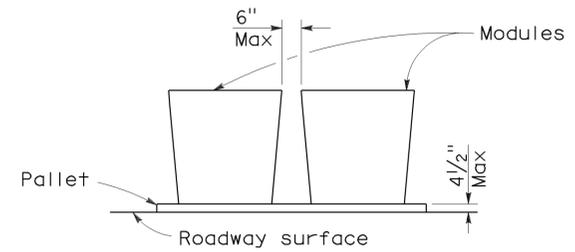


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

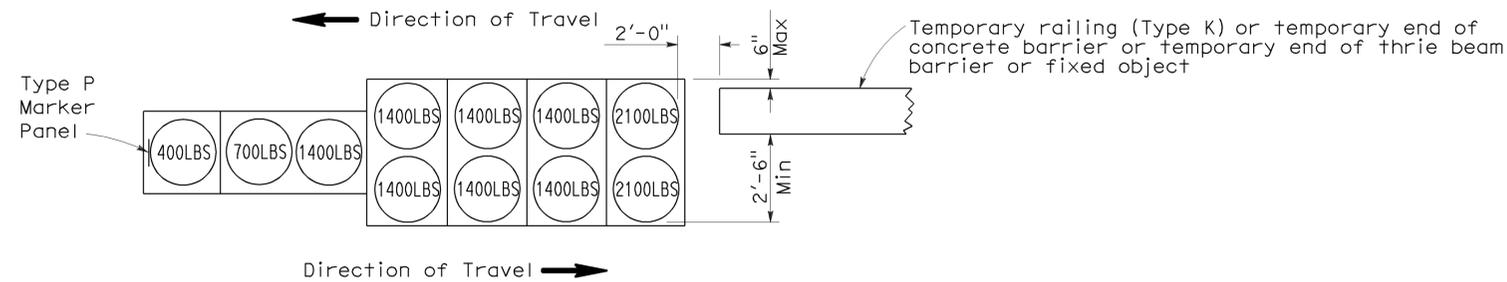
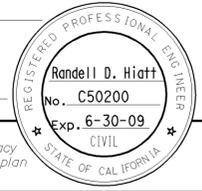
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	101	SO.2/11.5	18	30

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

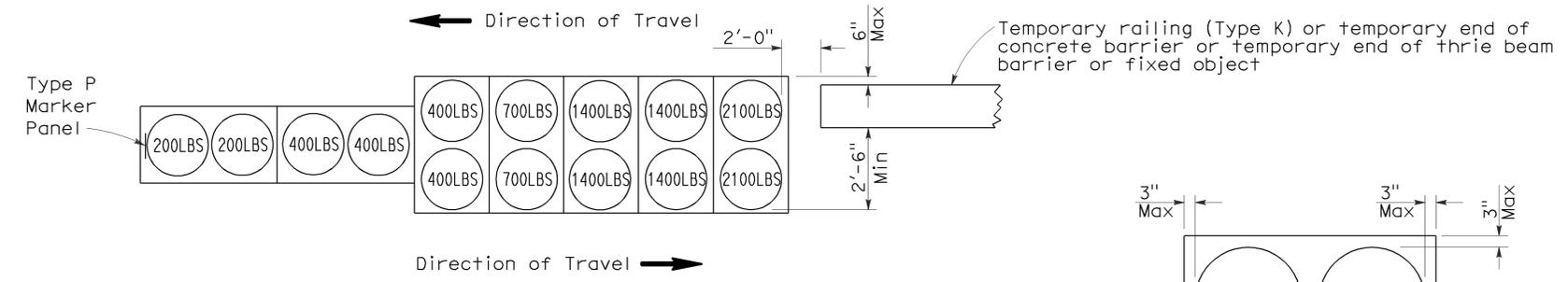
June 6, 2008
PLANS APPROVAL DATE

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.

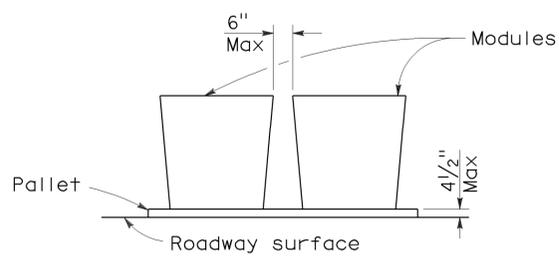
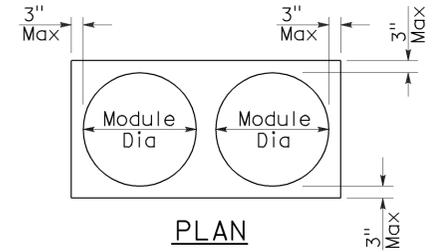
To accompany plans dated 12-27-10



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

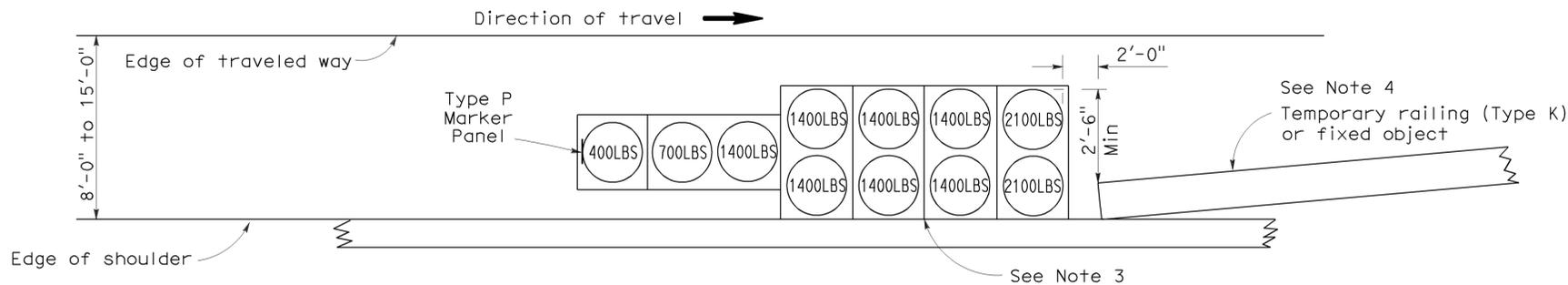
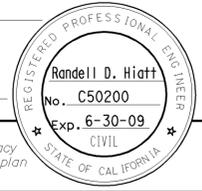
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	101	S0.2/11.5	19	30

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

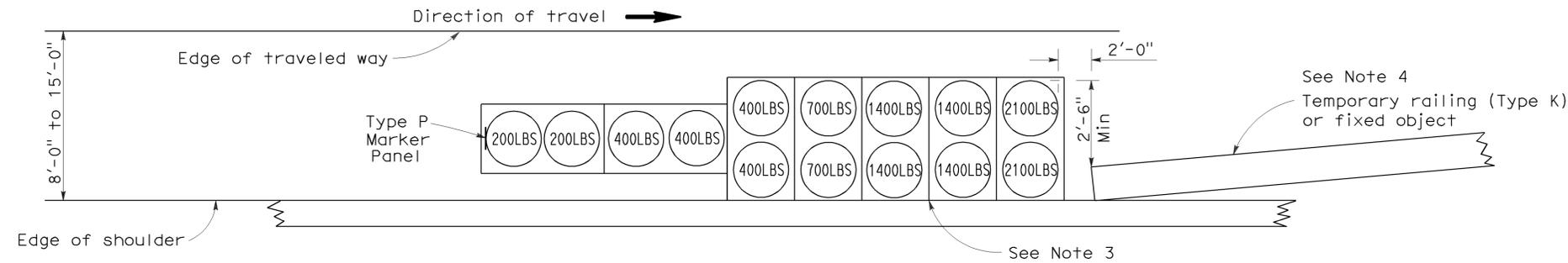
June 6, 2008
PLANS APPROVAL DATE

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.

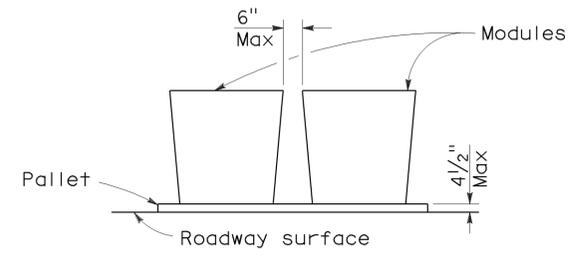
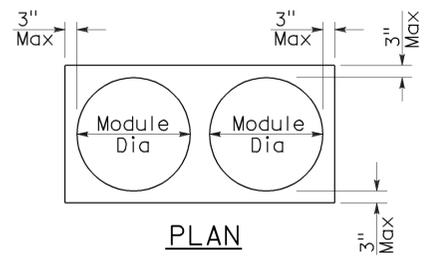
To accompany plans dated 12-27-10



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



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



CRASH CUSHION PALLET DETAIL
See Note 11

NOTES:

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

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

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

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	101	SO.2/11.5	20	30

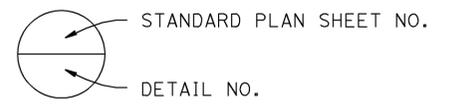
12-27-10
 PLANS APPROVAL DATE
 REGISTERED CIVIL ENGINEER DATE
 No. C65380
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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	MISCELLANEOUS DETAILS NO. 1
10	MISCELLANEOUS DETAILS NO. 2
11	STRUCTURE APPROACH TYPE R(30D)

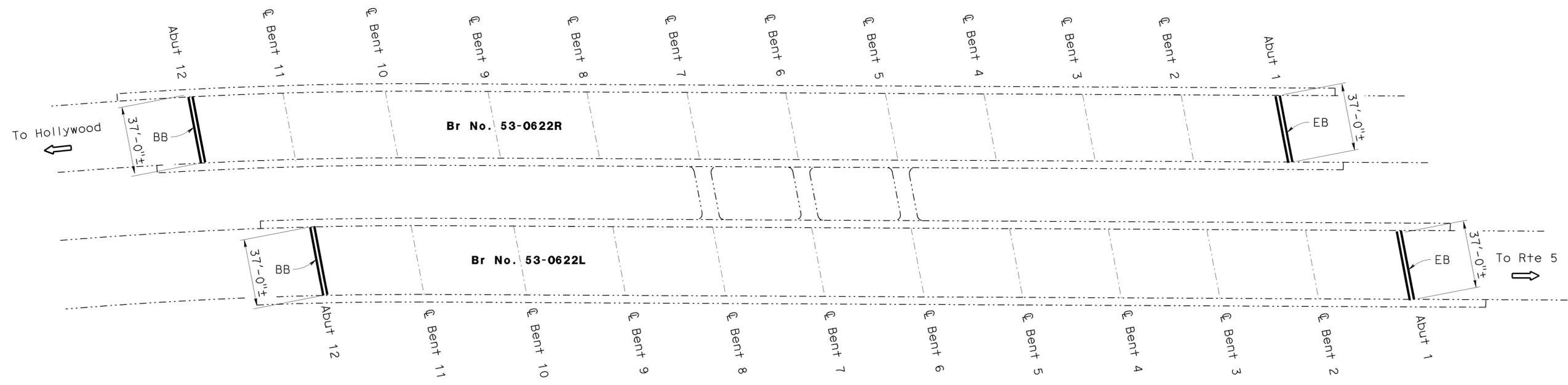
STANDARD PLANS DATED MAY 2006

SHEET NO.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
A10C	SYMBOLS (SHEET 1 OF 2)
A10D	SYMBOLS (SHEET 2 OF 2)
RSP B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
B11-47	CABLE RAILING



LEGEND:

- Indicates existing.
- ➔ 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.



4 LEVEL STRUCTURE - LEVEL 4
 Br No. 53-0622L/R, Rte 101, PM 1.57
 NO SCALE



4 LEVEL STRUCTURE - LEVEL 4 QUANTITIES		BR NO 53-0622L/R	
REMOVE UNSOUND CONCRETE	3	CF	
CLEAN EXPANSION JOINT	296	LF	
RAPID SETTING CONCRETE (PATCH)	3	CF	
JOINT SEAL (MR 1")	296	LF	

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Gerald Joo	CHECKED HongTien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 101 BRIDGES GENERAL PLAN NO. 1	
	DETAILS	BY Tom Dang	CHECKED Gerald Joo	LAYOUT	BY Tom Dang			CHECKED Gerald Joo		POST MILE
	QUANTITIES	BY Gerald Joo	CHECKED HongTien Tran	SPECIFICATIONS	BY Tayna Kershell			PLANS AND SPECS COMPARED		Tayna Kershell
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 07 EA 4Y3001	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET 01 OF 11	

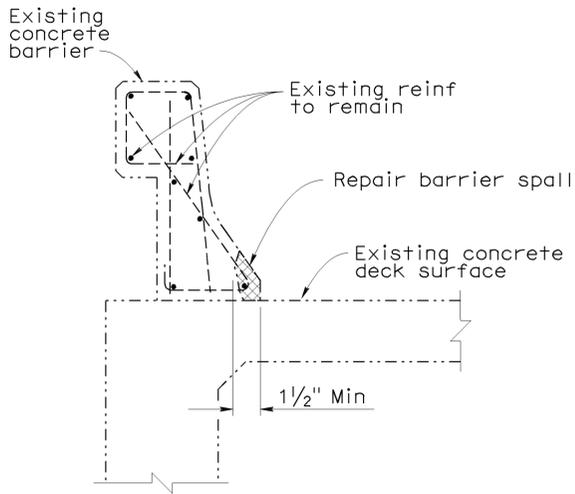
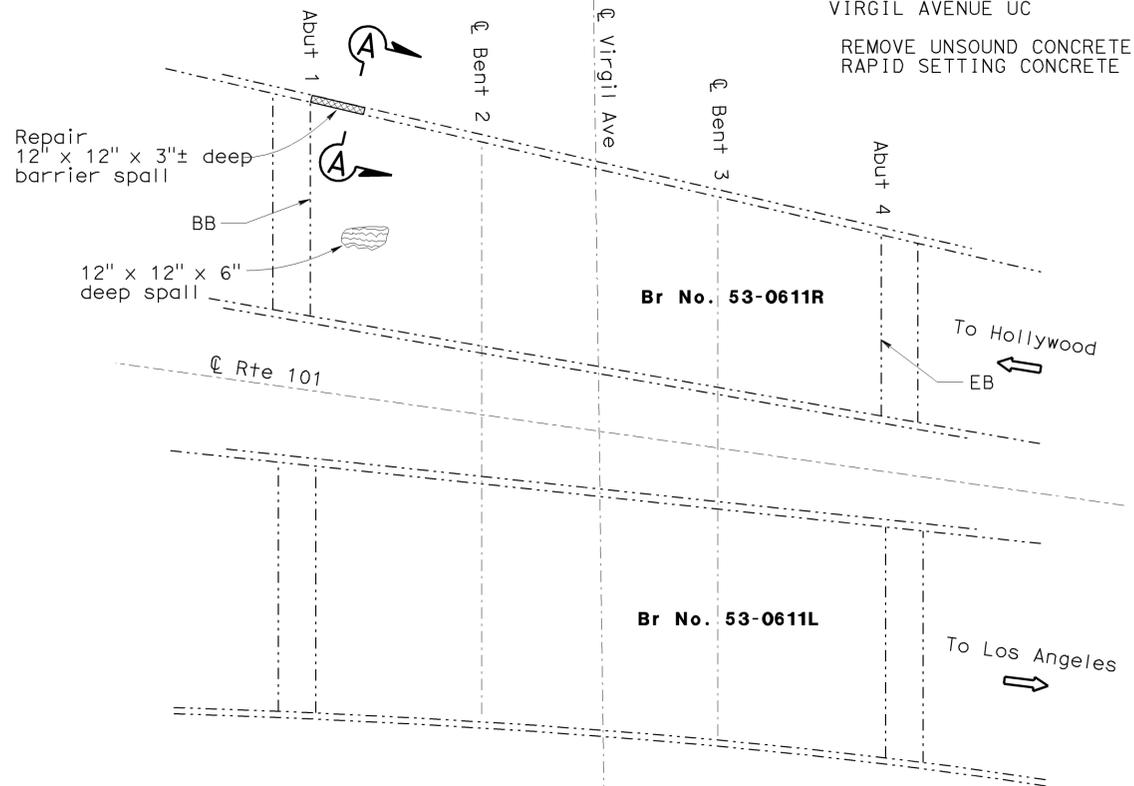
USERNAME => s129239 DATE PLOTTED => 14-DEC-2010 TIME PLOTTED => 07:13

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	101	SO.2/11.5	21	30

REGISTERED CIVIL ENGINEER DATE 10/05/10
 PLANS APPROVAL DATE 12-27-10
 No. C65380
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA

VIRGIL AVENUE UC BR NO 53-0611R

QUANTITIES
 REMOVE UNSOUND CONCRETE 1 CF
 RAPID SETTING CONCRETE (PATCH) 1 CF

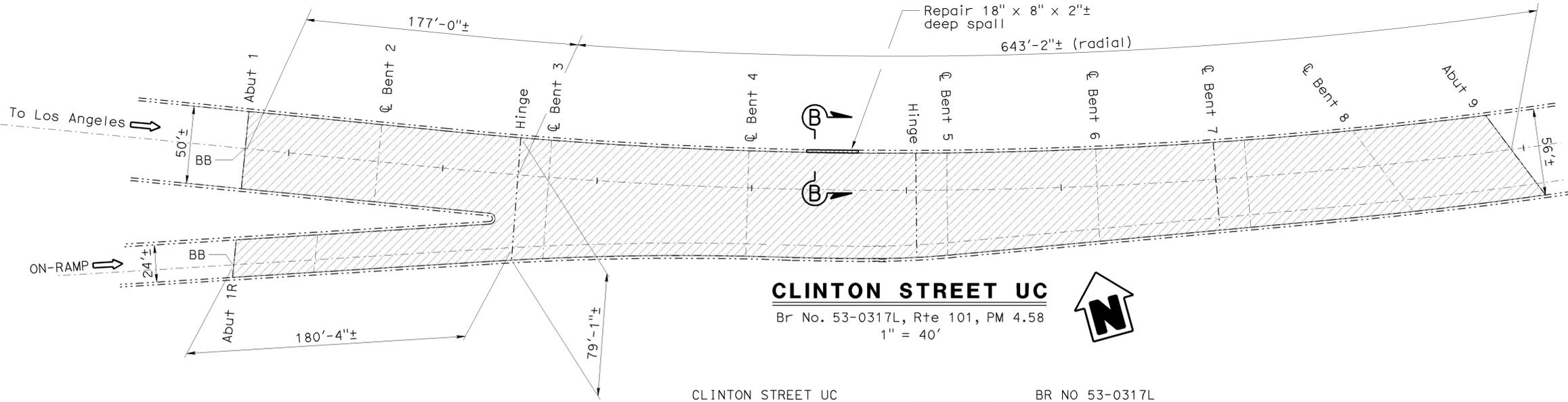


SECTION A-A
NO SCALE

LEGEND:

- Indicates existing.
- Indicates direction of traffic.
- Indicates limits of clean and treat existing bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.
- Indicates removal of unsound concrete and place rapid setting concrete patch.
- Indicates removal of unsound concrete and place rapid setting concrete patch. Actual area may vary and will be determined by the Engineer.
- Indicates repair spalled surface area.

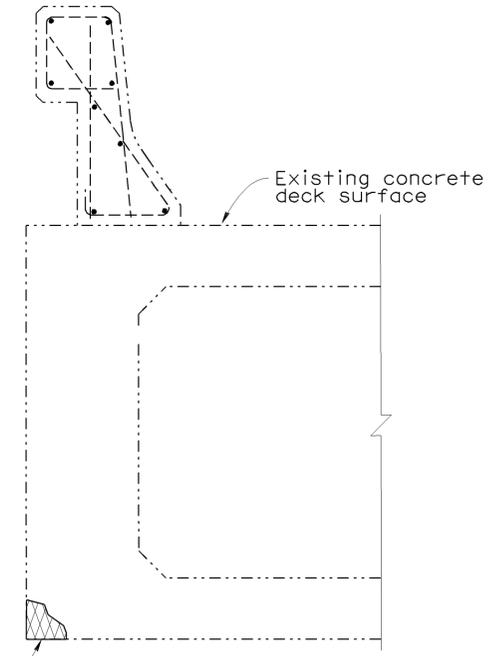
VIRGIL AVENUE UC
 Br No. 53-0611R, Rte 101, PM 4.08
 NO SCALE



CLINTON STREET UC
 Br No. 53-0317L, Rte 101, PM 4.58
 1" = 40'



CLINTON STREET UC BR NO 53-0317L
 QUANTITIES
 REMOVE UNSOUND CONCRETE 142 CF
 CLEAN BRIDGE DECK 56,700 SQFT
 RAPID SETTING CONCRETE (PATCH) 142 CF
 REPAIR SPALLED SURFACE AREA 1 SQFT
 TREAT BRIDGE DECK 56,700 SQFT
 FURNISH BRIDGE DECK TREATMENT MATERIAL 710 GAL
 PUBLIC SAFETY PLAN LUMP SUM



SECTION B-B
NO SCALE

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. BRAKE
 DESIGN ENGINEER

DESIGN	BY Gerald Joo	CHECKED HongTien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY Tom Dang	CHECKED Gerald Joo	LAYOUT	BY Tom Dang
QUANTITIES	BY Gerald Joo	CHECKED HongTien Tran	SPECIFICATIONS	BY Tayna Kershell

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
 POST MILE Varies

**ROUTE 101 BRIDGES
 GENERAL PLAN NO. 2**

USERNAME => s129239 DATE PLOTTED => 14-DEC-2010 TIME PLOTTED => 07:13

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	101	SO.2/11.5	22	30

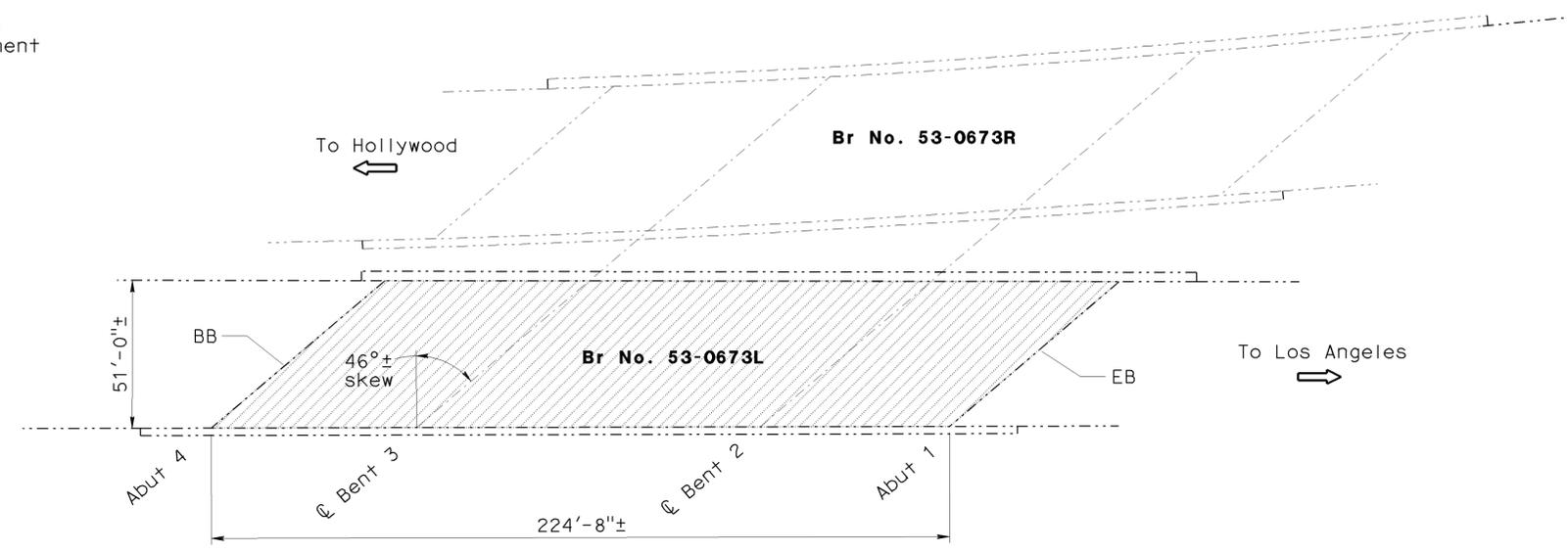

 REGISTERED CIVIL ENGINEER DATE 10/05/10
 PLANS APPROVAL DATE 12-27-10
 No. C65380
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

LEGEND:

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

MELROSE AVENUE UC QUANTITIES BR NO 53-0673L

REMOVE UNSOUND CONCRETE	29	CF
CLEAN BRIDGE DECK	11,500	SQFT
RAPID SETTING CONCRETE (PATCH)	29	CF
TREAT BRIDGE DECK	11,500	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	145	GAL
PUBLIC SAFETY PLAN		LUMP SUM

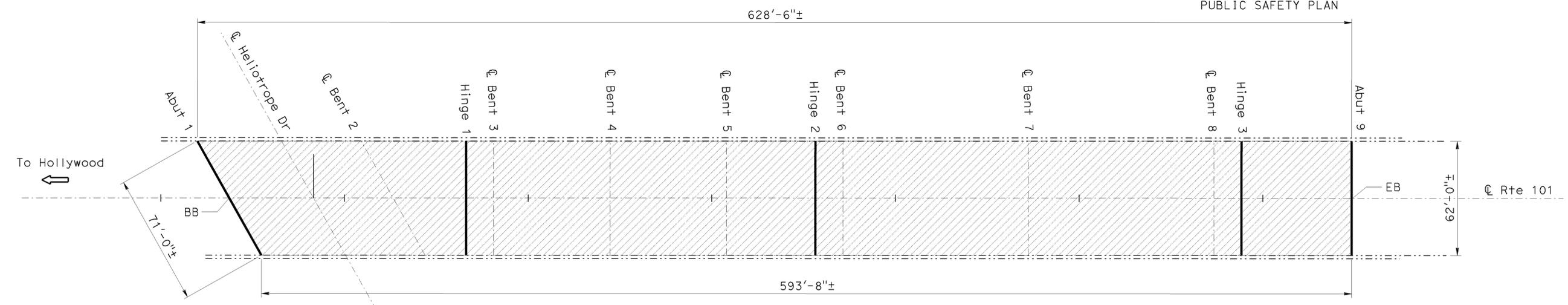


MELROSE AVENUE UC
 Br No. 53-0673L, Rte 101, PM 4.85
 NO SCALE



HELIOTROPE DRIVE UC QUANTITIES BR NO 53-0672R

REMOVE UNSOUND CONCRETE	99	CF
CLEAN BRIDGE DECK	37,900	SQFT
CLEAN EXPANSION JOINT	319	LF
RAPID SETTING CONCRETE (PATCH)	99	CF
JOINT SEAL (MR 1/2")	319	LF
TREAT BRIDGE DECK	37,900	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	475	GAL
PUBLIC SAFETY PLAN		LUMP SUM



HELIOTROPE DRIVE UC
 Br No. 53-0672R, Rte 101, PM 4.58
 1" = 30'



NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Gerald Joo	CHECKED HongTien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	Various	ROUTE 101 BRIDGES GENERAL PLAN NO. 3	
	DETAILS	BY Tom Dang	CHECKED Gerald Joo	LAYOUT	BY Tom Dang			POST MILE	Varies		
	QUANTITIES	BY Gerald Joo	CHECKED HongTien Tran	SPECIFICATIONS	BY Tayna Kershell			PLANS AND SPECS COMPARED	Tayna Kershell		Varies
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 07 EA 4Y3001	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES	SHEET 03 OF 11

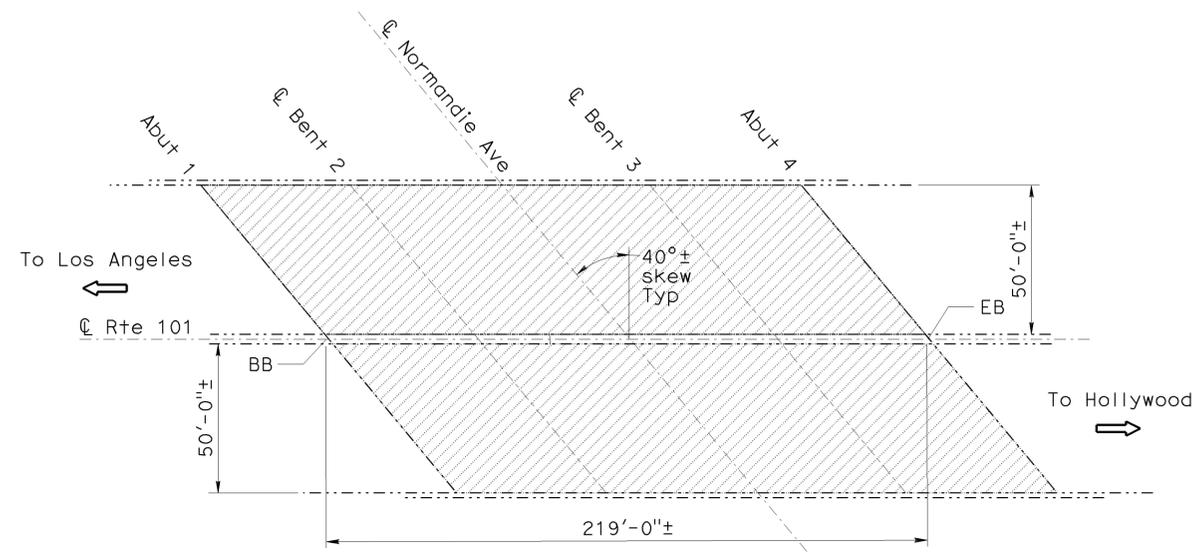
USERNAME => s129239 DATE PLOTTED => 14-DEC-2010 TIME PLOTTED => 07:13
 FILE => 07-4y3001-a-gp-03.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	101	SO.2/11.5	23	30

REGISTERED CIVIL ENGINEER DATE 10/05/10
 12-27-10
 PLANS APPROVAL DATE
 No. C65380
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

NORMANDIE AVENUE UC BR NO 53-0674

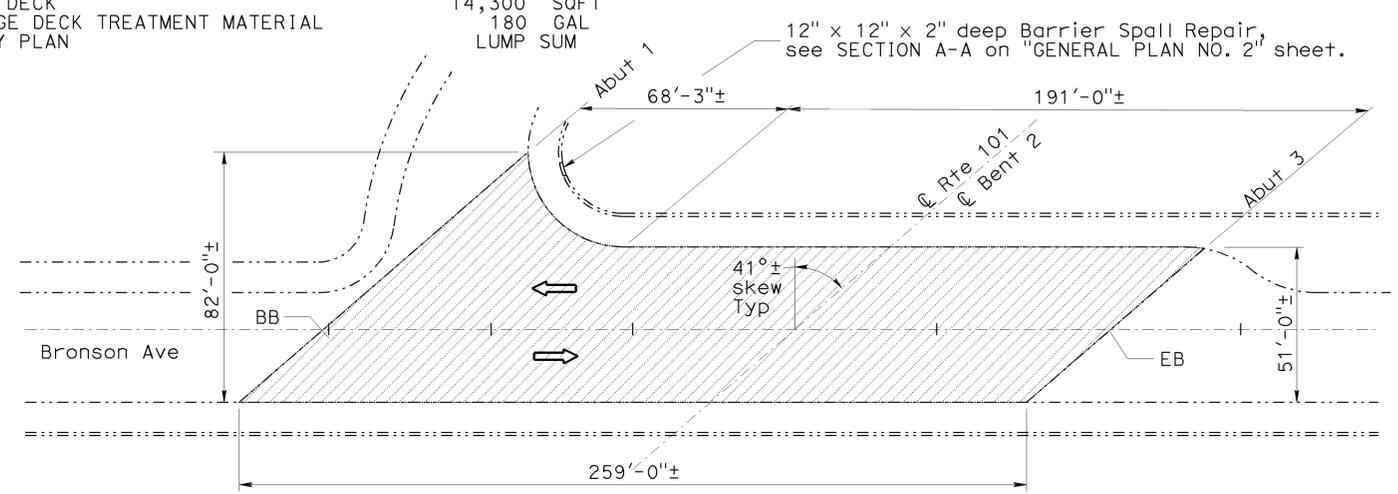
QUANTITIES		
REMOVE UNSOUND CONCRETE	55	CF
CLEAN BRIDGE DECK	21,900	SQFT
RAPID SETTING CONCRETE (PATCH)	55	CF
TREAT BRIDGE DECK	21,900	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	275	GAL
PUBLIC SAFETY PLAN	LUMP	SUM



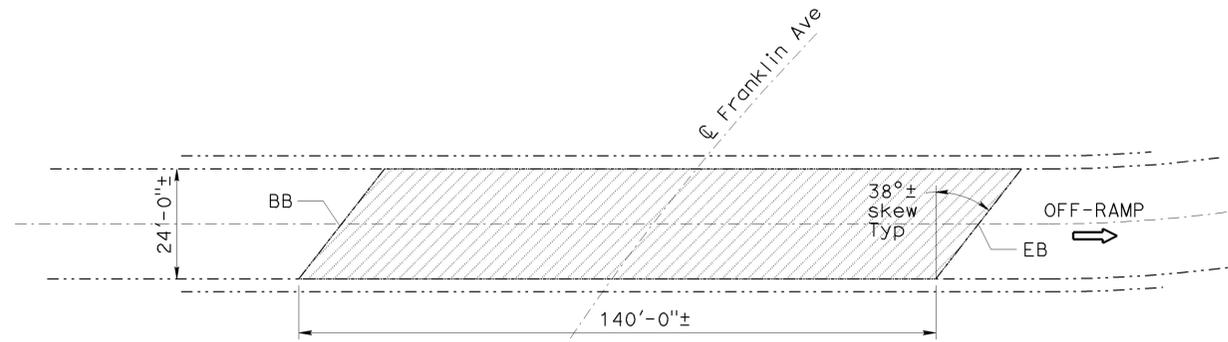
NORMANDIE AVENUE UC
 Br No. 53-0674, Rte 101, PM 4.99
 NO SCALE

BRONSON AVENUE UC BR NO 53-0724

QUANTITIES		
REMOVE UNSOUND CONCRETE	36	CF
CLEAN BRIDGE DECK	14,300	SQFT
RAPID SETTING CONCRETE (PATCH)	36	CF
TREAT BRIDGE DECK	14,300	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	180	GAL
PUBLIC SAFETY PLAN	LUMP	SUM



BRONSON AVENUE UC
 Br No. 53-0724, Rte 101, PM 6.65
 1" = 30'



FRANKLIN AVE UC (OFF-RAMP)
 Br No. 53-0728K, Rte 101, PM 7.20
 1" = 20'

FRANKLIN AVENUE UC (OFF-RAMP) BR NO 53-0728K

QUANTITIES		
REMOVE UNSOUND CONCRETE	9	CF
CLEAN BRIDGE DECK	3,360	SQFT
RAPID SETTING CONCRETE (PATCH)	9	CF
TREAT BRIDGE DECK	3,360	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	42	GAL
PUBLIC SAFETY PLAN	LUMP	SUM

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

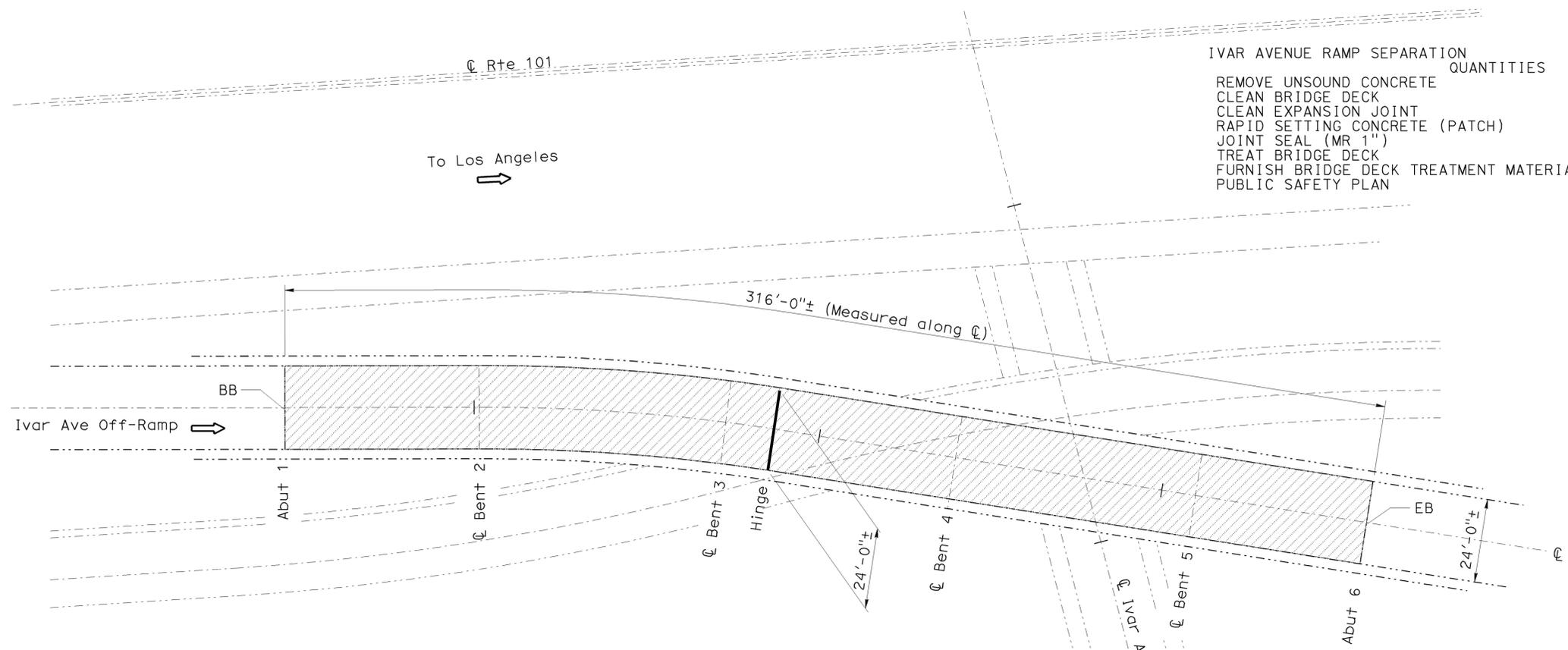
TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Gerald Joo	CHECKED HongTien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 101 BRIDGES GENERAL PLAN NO. 4	
	DETAILS	BY Tom Dang	CHECKED Gerald Joo	LAYOUT	BY Tom Dang			CHECKED Gerald Joo		POST MILE
	QUANTITIES	BY Gerald Joo	CHECKED HongTien Tran	SPECIFICATIONS	BY Tayna Kershell			PLANS AND SPECS COMPARED		Tayna Kershell

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 CU 07 EA 4Y3001 DISREGARD PRINTS BEARING EARLIER REVISION DATES 3-7-10 7-14-10 10-04-10 10-10-10

SHEET 04 OF 11

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	101	SO.2/11.5	24	30

10/05/10
 REGISTERED CIVIL ENGINEER DATE
 12-27-10
 PLANS APPROVAL DATE
 No. C65380
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



IVAR AVENUE RAMP SEPARATION QUANTITIES

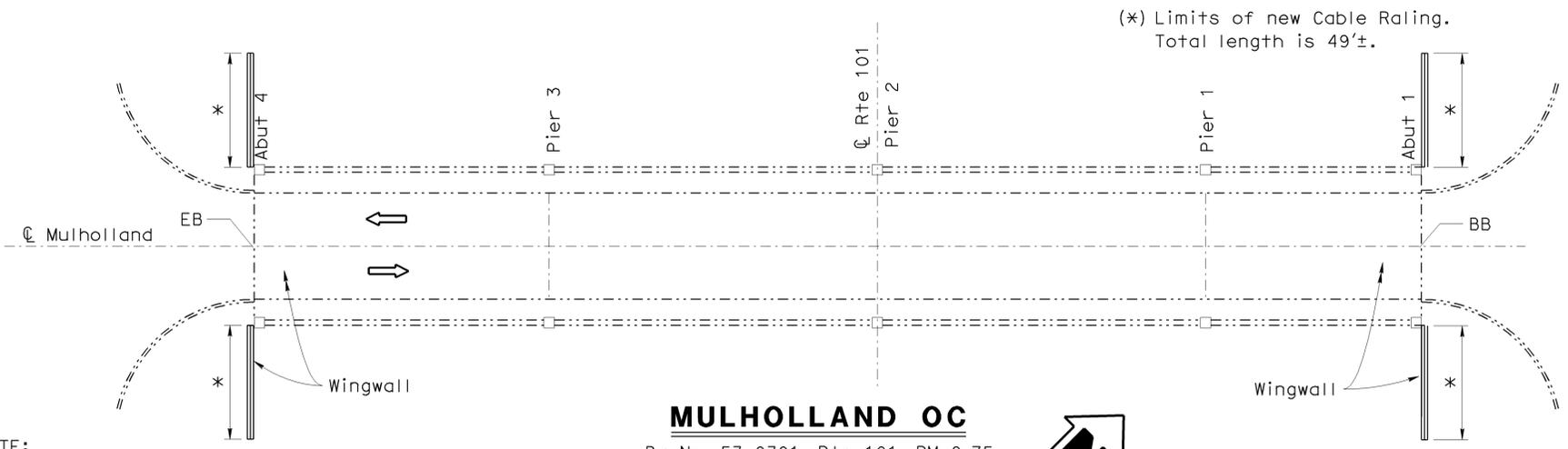
REMOVE UNSOUND CONCRETE	20	CF
CLEAN BRIDGE DECK	7,590	SQFT
CLEAN EXPANSION JOINT	24	LF
RAPID SETTING CONCRETE (PATCH)	20	CF
JOINT SEAL (MR 1")	24	LF
TREAT BRIDGE DECK	7,590	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	95	GAL
PUBLIC SAFETY PLAN	LUMP	SUM

BR NO 53-0783K

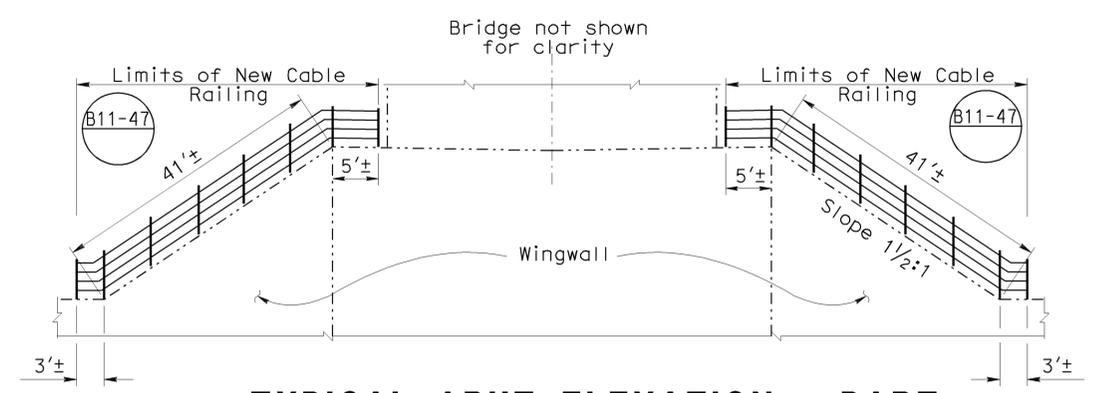
IVAR AVENUE RAMP SEPARATION
 Br No. 53-0783K, Rte 101, PM 7.32
 1" = 20'

LEGEND:

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



MULHOLLAND OC
 Br No. 53-0301, Rte 101, PM 8.75
 1" = 20'



TYPICAL ABUT ELEVATION - PART
 NO SCALE

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

MULHOLLAND OC CABLE RAILING QUANTITIES BR NO 53-0301 200 LF

TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Gerald Joo	CHECKED HongTien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
	DETAILS	BY Tom Dang	CHECKED Gerald Joo	LAYOUT	BY Tom Dang
	QUANTITIES	BY Gerald Joo	CHECKED HongTien Tran	SPECIFICATIONS	BY Tayna Kershell

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Various
		POST MILE Varies

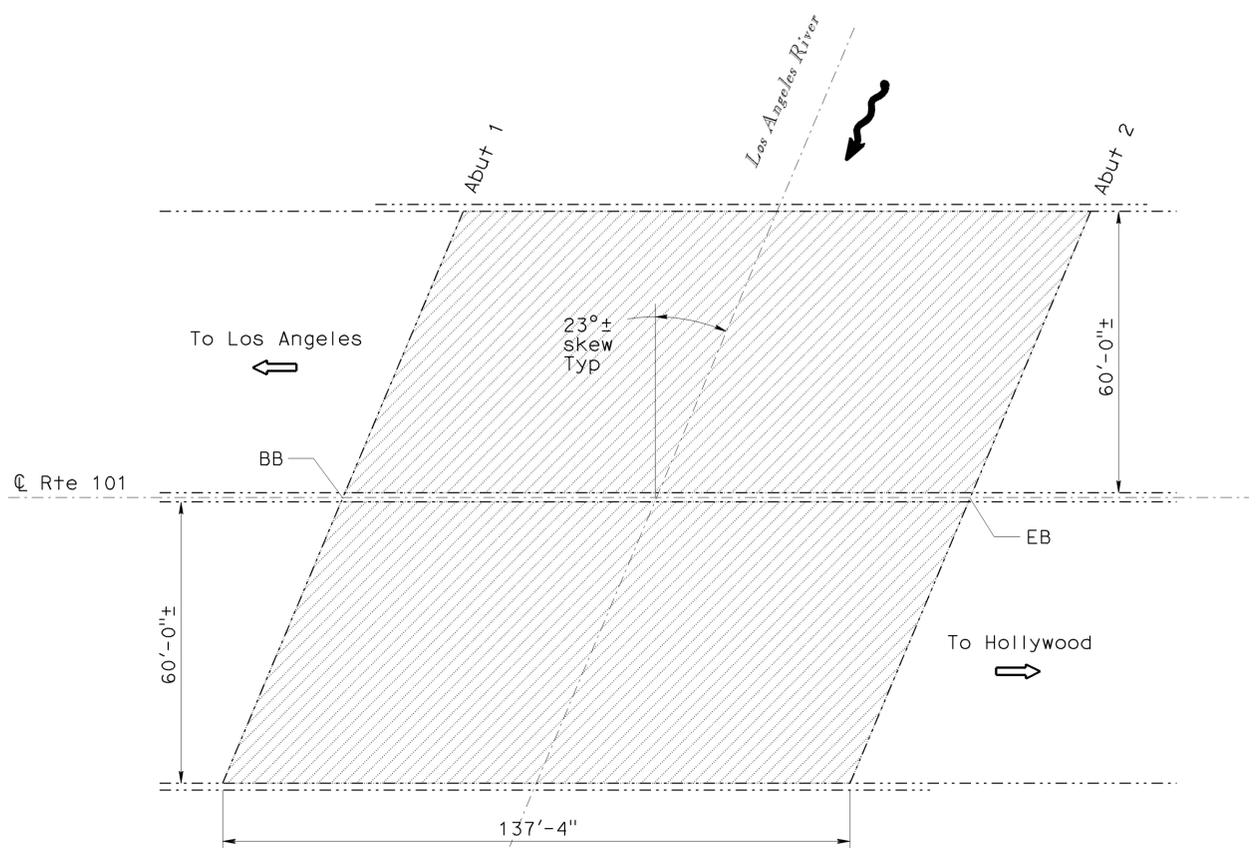
ROUTE 101 BRIDGES GENERAL PLAN NO. 5	
REVISION DATES	SHEET 05 OF 11

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	101	SO.2/11.5	25	30

REGISTERED CIVIL ENGINEER DATE 12-27-10
 PLANS APPROVAL DATE 12-27-10
 No. C65380
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA

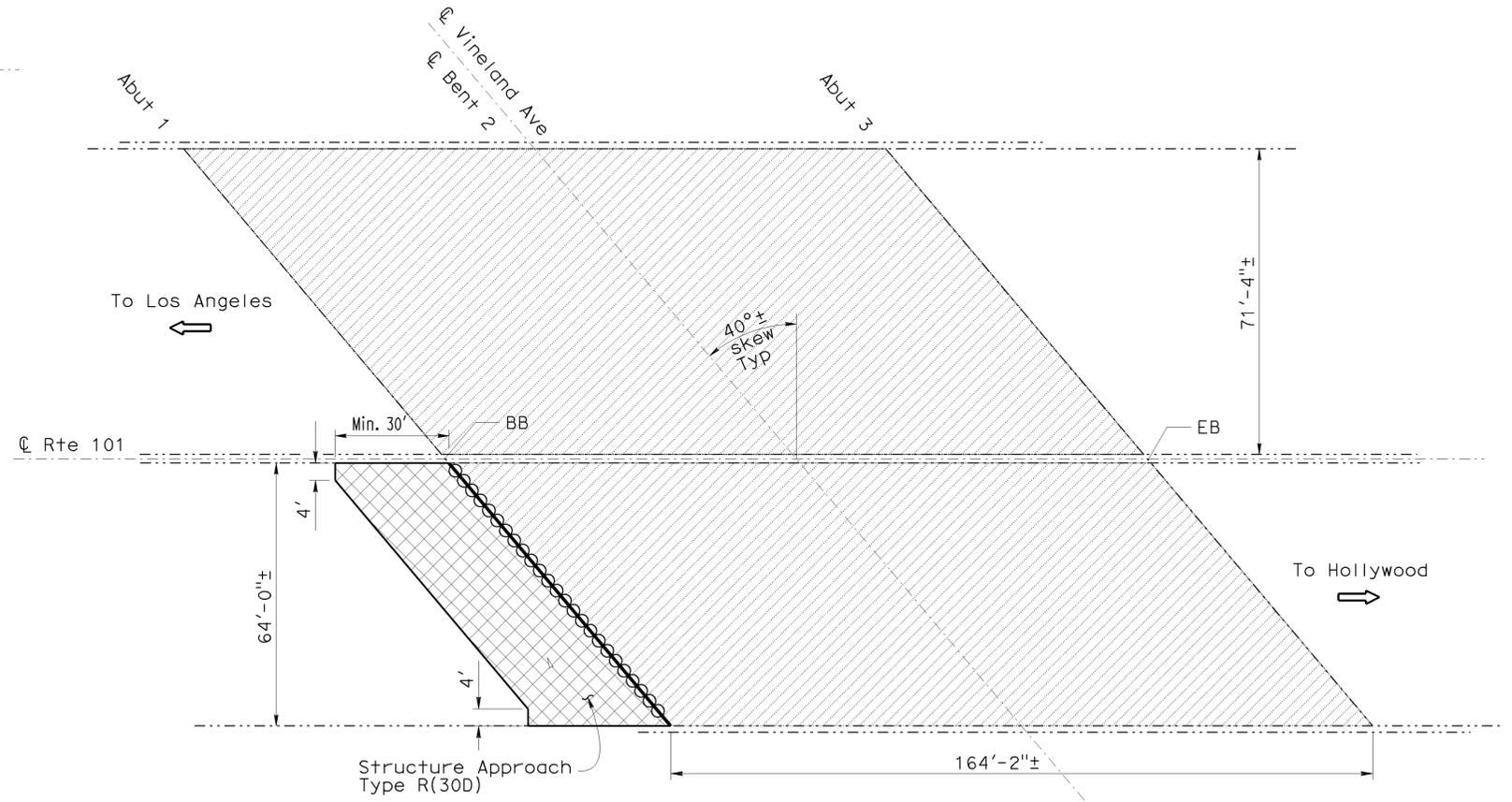
LEGEND:

- Indicates existing.
- Indicates direction of traffic.
- [Hatched Box] Indicates limits of clean and treat existing bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.
- [Wavy Line] Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal repair joint spalls (where new approach slabs are replaced, no joint spall repair is required).
- [Cross-hatched Box] Indicates limits of remove AC roadway and construct new structure approach slabs with paving notch extension.



LOS ANGELES RIVER

Br No. 53-1224, Rte 101, PM 10.83
1" = 20'



VINELAND AVENUE UC

Br No. 53-1225, Rte 101, PM 11.11
1" = 20'



LOS ANGELES RIVER QUANTITIES BR NO 53-1224

REMOVE UNSOUND CONCRETE	42	CF
CLEAN BRIDGE DECK	16,500	SOFT
RAPID SETTING CONCRETE (PATCH)	42	CF
TREAT BRIDGE DECK	16,500	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	210	GAL
PUBLIC SAFETY PLAN		LUMP SUM

VINELAND AVENUE UC QUANTITIES BR NO 53-1225

REMOVE UNSOUND CONCRETE	57	CF
CLEAN BRIDGE DECK	22,220	SOFT
AGGREGATE BASE (APPROACH SLAB)	8	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	80	CY
PAVING NOTCH EXTENSION	63	CF
CLEAN EXPANSION JOINT	84	LF
RAPID SETTING CONCRETE (PATCH)	57	CF
JOINT SEAL (MR 1/2")	84	LF
TREAT BRIDGE DECK	22,220	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	280	GAL
PUBLIC SAFETY PLAN		LUMP SUM

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

DESIGN	BY Gerald Joo	CHECKED HongTien Tran	LOAD FACTOR DESIGN	LIVE LOADING: AND HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY Tom Dang	CHECKED Gerald Joo	LAYOUT	BY Tom Dang
QUANTITIES	BY Gerald Joo	CHECKED HongTien Tran	SPECIFICATIONS	BY Tayna Kershell

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

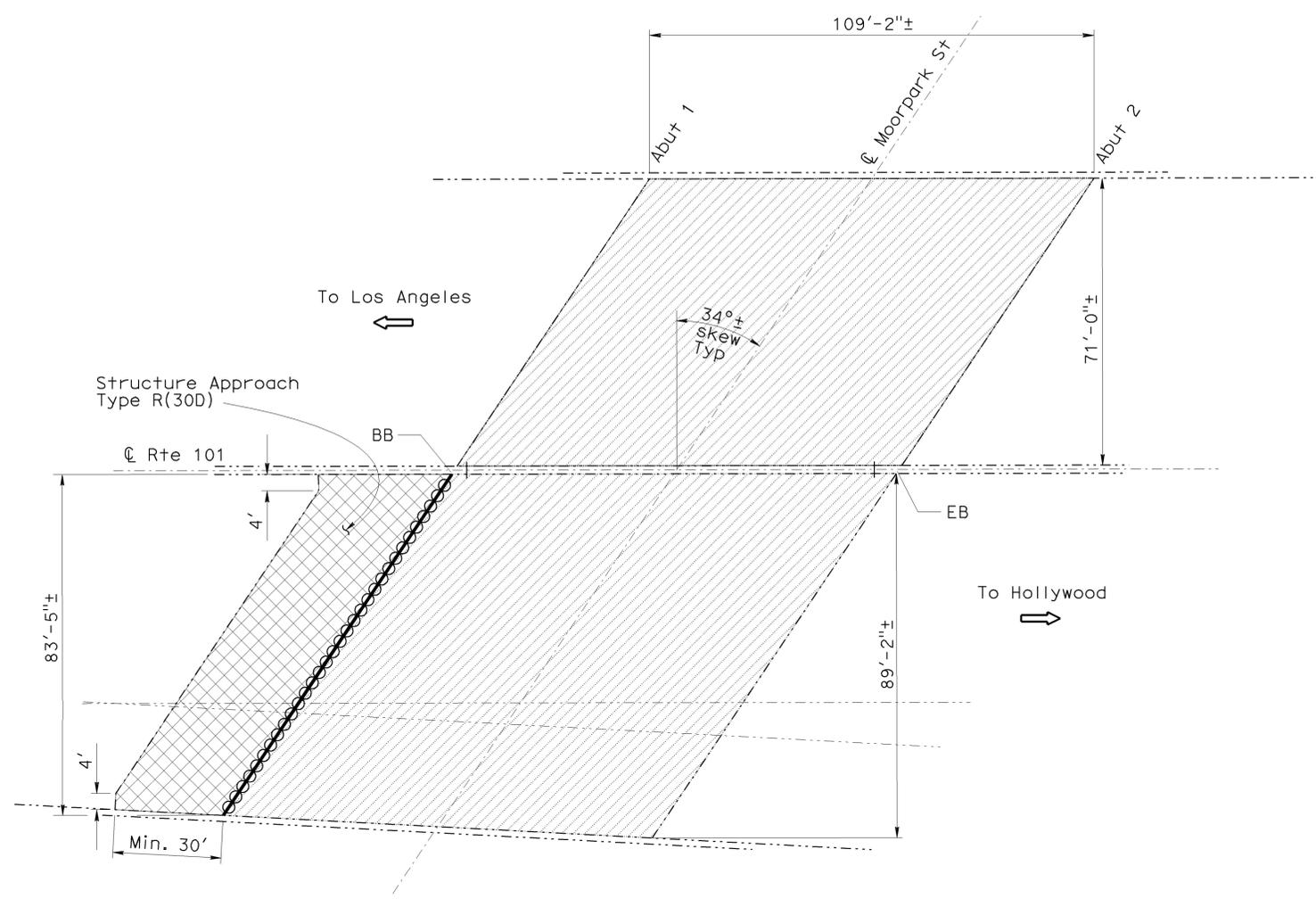
DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

**ROUTE 101 BRIDGES
GENERAL PLAN NO. 6**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	101	SO.2/11.5	26	30

10/05/10
 REGISTERED CIVIL ENGINEER DATE
 12-27-10
 PLANS APPROVAL DATE
 No. C65380
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



LEGEND:

- Indicates existing.
- ➔ Indicates direction of traffic.
- ▨ Indicates limits of clean and treat existing bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.
- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal repair joint spalls.
- ⊙⊙⊙⊙⊙⊙ Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal repair joint spalls (where new approach slabs are replaced, no joint spall repair is required).
- ▩ Indicates limits of remove AC roadway and construct new structure approach slabs with paving notch extension.

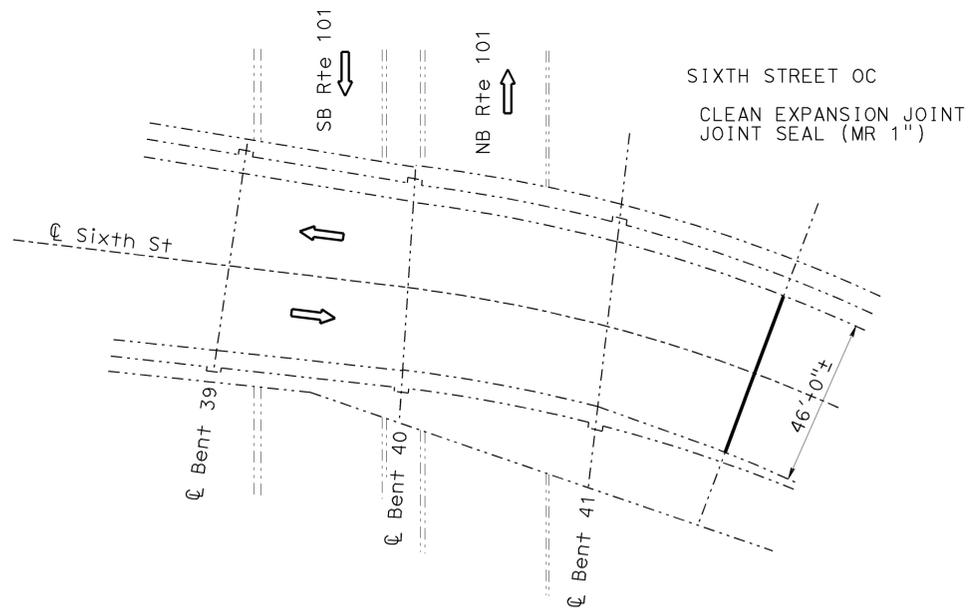
MOORPARK STREET UC

Br No. 53-1226, Rte 101, PM 11.45
 1" = 20'



MOORPARK STREET UC	QUANTITIES	BR NO 53-1226
REMOVE UNSOUND CONCRETE	45	CF
CLEAN BRIDGE DECK	17,200	SQFT
AGGREGATE BASE (APPROACH SLAB)	10	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	95	CY
PAVING NOTCH EXTENSION	76	CF
CLEAN EXPANSION JOINT	101	LF
RAPID SETTING CONCRETE (PATCH)	45	CF
JOINT SEAL (MR 1/2")	101	LF
TREAT BRIDGE DECK	17,200	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	215	GAL
PUBLIC SAFETY PLAN		LUMP SUM

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



SIXTH STREET OC

Br No. 53-0595, Rte 101, PM SO.20
 NO SCALE



QUANTITIES	BR NO 53-0595
46	LF
46	LF

TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Gerald Joo	CHECKED HongTien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
	DETAILS	BY Tom Dang	CHECKED Gerald Joo	LAYOUT	BY Tom Dang
	QUANTITIES	BY Gerald Joo	CHECKED HongTien Tran	SPECIFICATIONS	BY Tayna Kershell

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Various POST MILE Varies
--	---	--

ROUTE 101 BRIDGES GENERAL PLAN NO. 7	
---	--

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	101	SO.2/11.5	27	30

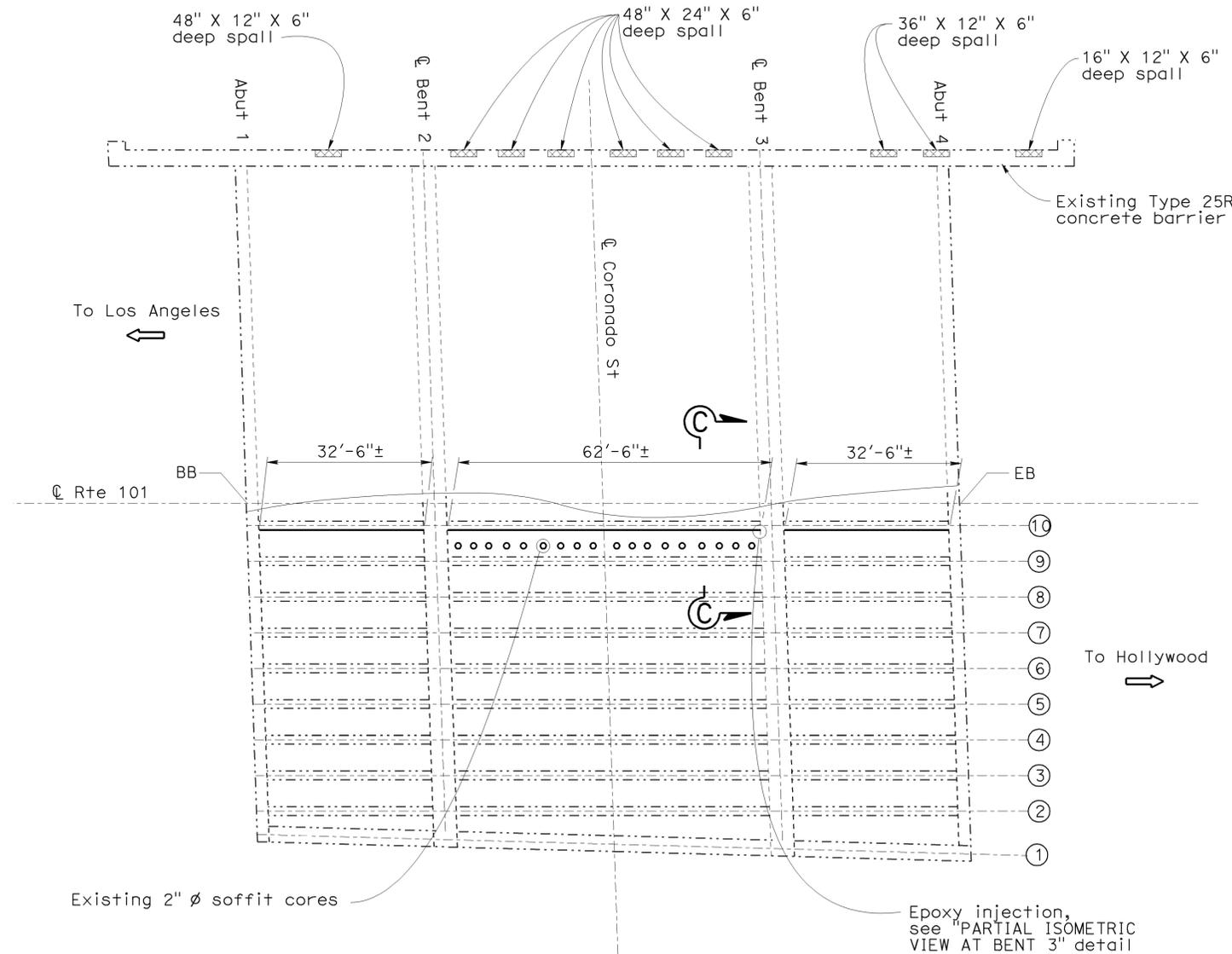
REGISTERED CIVIL ENGINEER DATE 10/05/10
 PLANS APPROVAL DATE 12-27-10
 No. C65380
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA

LEGEND:

- Indicates existing.
- Indicates direction of traffic.
- ⊗ Girder number.
- ooo Indicates existing 2" ø x 6"± deep. Repair cored surface area of deck soffit.
- Indicates inject crack with epoxy.

CORONADO STREET UC BR NO 53-0615

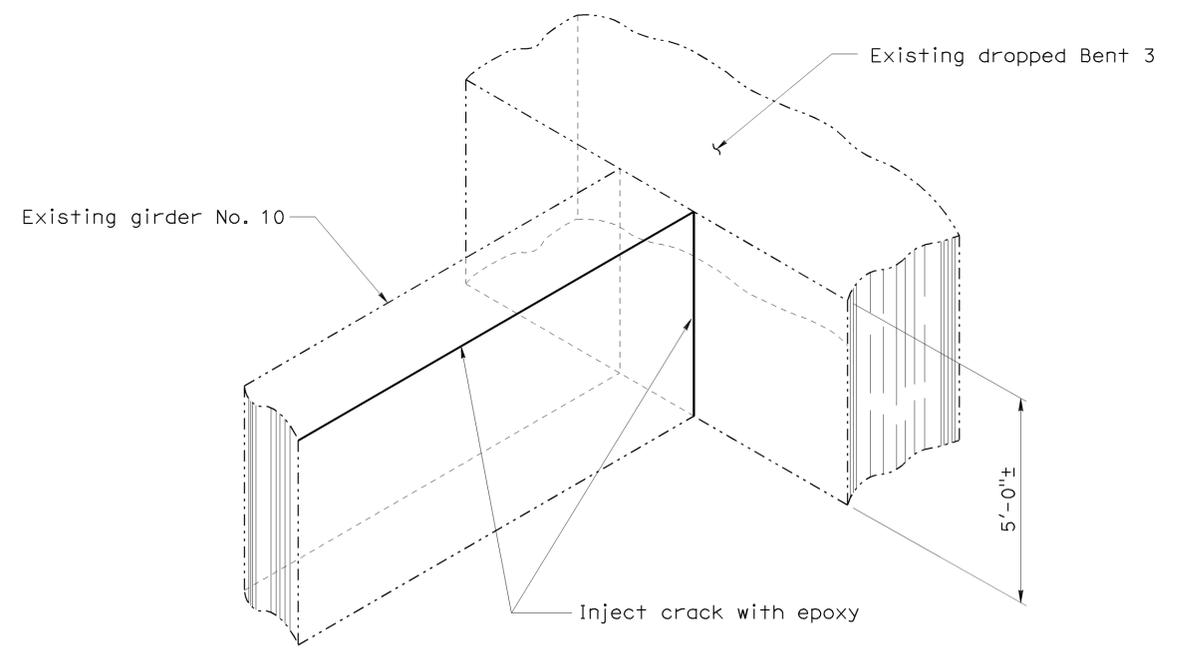
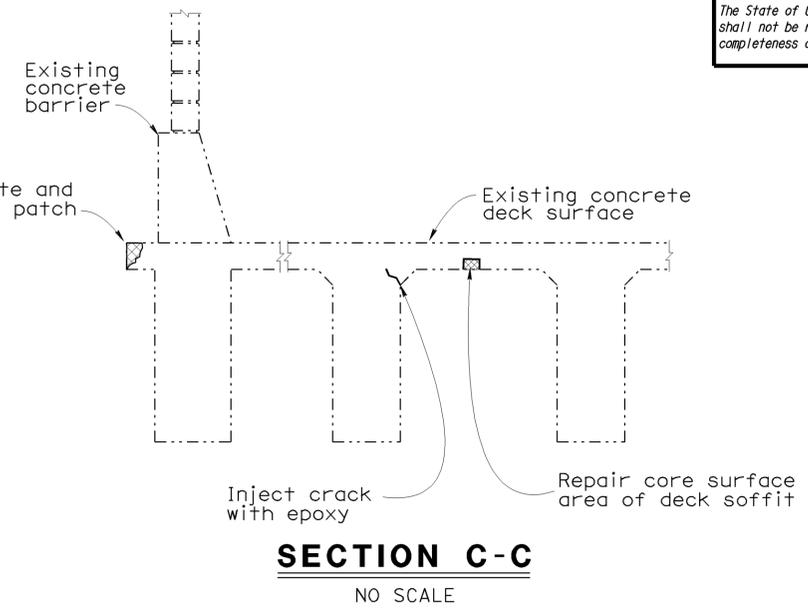
REMOVE UNSOUND CONCRETE	30	CF
RAPID SETTING CONCRETE (PATCH)	30	CF
INJECT CRACK (EPOXY)	133	LF
REPAIR SOFFIT CORE	18	EA



PATIAL PLAN
NO SCALE



NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



PARTIAL ISOMETRIC VIEW AT BENT 3
NO SCALE
(NOT ALL DETAILS SHOWN FOR CLARITY)

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Gerald Joo	CHECKED HongTien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY Tom Dang	CHECKED Gerald Joo	LAYOUT	BY Tom Dang
QUANTITIES	BY Gerald Joo	CHECKED HongTien Tran	SPECIFICATIONS	BY Tayna Kershell

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

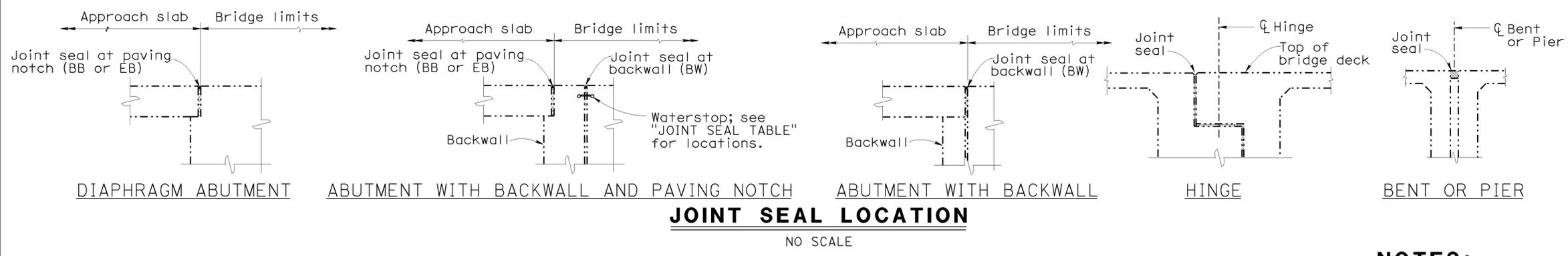
DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	53-0615
POST MILE	3.20

CORONADO STREET UC
ROUTE 101 BRIDGES
GENERAL PLAN NO. 8

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	101	SO.2/11.5	28	30

REGISTERED CIVIL ENGINEER DATE 10/05/10
 PLANS APPROVAL DATE 12-27-10
 No. C65380
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA



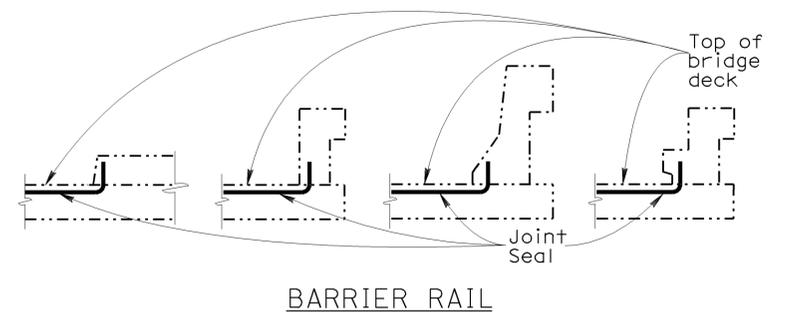
NOTES:

- The following notes apply to JOINT SEAL TYPE A:
- Install Joint Seal (MR = 1/2") or Silicone Joint Seal 3" up into curb or barrier rail on the low side of the deck where deck joint aligns with curb or barrier rail joint.
 - For details not shown see RSP B6-21 sheet.
- The following notes apply to JOINT SEAL TYPE B:
- Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
 - Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be recalculated by the Engineer.
 - W1 shall be the smaller of the values determined as follows:
 - 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
 - The width of the seal on the third successive test cycle of the pressure deflection test, when compressed to an average pressure of 3.0 PSI.
 - Bend Type B joint seal 6 inches up into curb or rail on the low side of the deck where deck joint matches curb or rail joint.
- For details not shown see RSP B6-21 sheet.

JOINT SEAL TABLE										
BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (INCHES)	APPROX LENGTH (FT)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)	APPROX DEPTH OF JOINT SPALLS (INCHES)	APPROX WIDTH OF JOINT SPALLS (INCHES)	APPROX LENGTH OF JOINT SPALLS (FEET)
SIXTH STREET OC	53-0595	EAST ABUT	BW	1*	46	NO	12	5	6	5
4 LEVEL STRUCTURE - LEVEL 4	53-0622R	ABUT 1	PN	1*	37	NO	12	5	12	37
		ABUT 1	BW	1*	37	NO	12	5	12	37
		ABUT 12	PN	1*	37	NO	12	5	12	37
		ABUT 12	BW	1*	37	NO	12	5	12	37
4 LEVEL STRUCTURE - LEVEL 4	53-0622L	ABUT 1	PN	1*	37	NO	12	5	6	5
		ABUT 1	BW	1*	37	NO	12	5	6	5
		ABUT 12	PN	1*	37	NO	12	5	6	5
		ABUT 12	BW	1*	37	NO	12	5	6	5
HELIOTROPE DRIVE UC	53-0672R	ABUT 1	BW	1/2	71	NO	12	5	6	5
		HINGE 1	-	1/2	62	YES	12	5	6	5
		HINGE 2	-	1/2	62	YES	12	5	6	5
		HINGE 3	-	1/2	62	YES	12	5	6	5
		ABUT 9	BW	1/2	62	NO	12	5	6	5
IVAR AVENUE RAMP SEPARATION	53-0783K	HINGE	-	1	24	YES	12	5	6	5
VINELAND AVENUE UC	53-1225	ABUT 1	-	1/2	84	NO	12	5	6	5
MOORPARK STREET OC	53-1226	ABUT 1	-	1/2	101	NO	12	5	6	5

PN = Paving notch
 BW = Backwall
 DJ = Deck Joint
 * Use Type A Silicone Joint Seal
 ** Indicates new approach slab placement. Joint spall repair and cleaning not required.

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



JOINT SEAL AT LOW SIDE OF DECK

Note: Details shown for illustration purposes only.

For use only where deck joint matches the sidewalk, curb or barrier rail joint.

DESIGN BY Gerald Joo CHECKED HongTien Tran DETAILS BY Tom Dang CHECKED Gerald Joo QUANTITIES BY Gerald Joo CHECKED HongTien Tran	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 101 BRIDGES MISCELLANEOUS DETAILS NO. 1
			Various	
			POST MILE	
			Varies	

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 10/25/05) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 CU 07 EA 4Y3001 DISREGARD PRINTS BEARING EARLIER REVISION DATES 09 11

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	101	SO.2/11.5	29	30

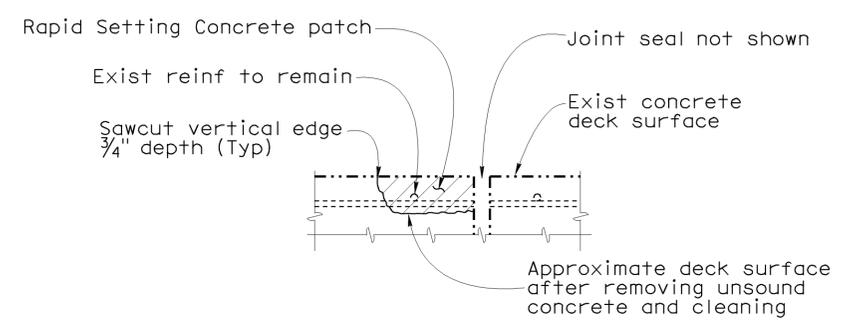
12-27-10
 PLANS APPROVAL DATE
 REGISTERED CIVIL ENGINEER DATE
 No. C65380
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA

DECK REPAIR TABLE REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)

BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (%)	APPROXIMATE DEPTH (INCHES)
CLINTON STREET UC	53-0317L	1	3
HELIOTROPE DRIVE UC	53-0672R	1	3
MELROSE AVENUE UC	53-0673L	1	3
NORMANDIE AVENUE UC	53-0674	1	3
BRONSON AVENUE OC	53-0724	1	3
FRANKLIN AVENUE UC (OFF-RAMP)	53-0728K	1	3
IVAR AVENUE RAMP SEPARATION	53-0783K	1	3
LOS ANGELES RIVER	53-1224	1	3
VINELAND AVENUE UC	53-1225	1	3
MOORPARK STREET UC	53-1226	1	3
VIRGIL AVENUE UC	53-0611R	1	3

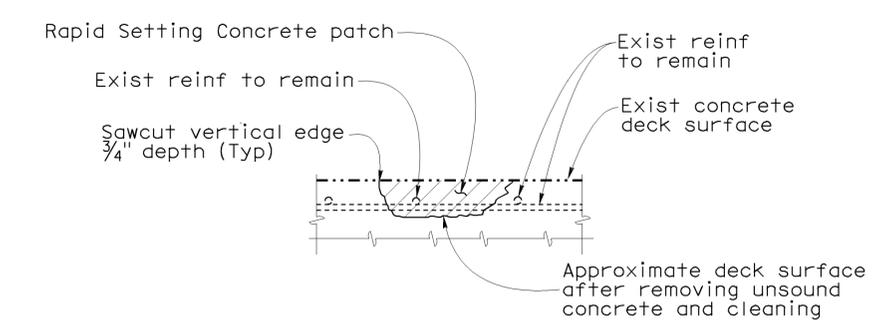
DECK REPAIR NOTES:

- Existing reinforcement shall be protected in place during unsound concrete removal and patching operations.
- It is responsibility of the Contractor to repair any reinforcement that is accidentally cut by saw cutting operations.
- When existing transverse reinforcement is exposed in the deck surface, saw cutting may be waived with the approval of the Engineer.
- The saw cut depth shall not exceed $\frac{3}{4}$ inch or the concrete cover over the top steel reinforcing bars, whichever is less.
- Remove unsound Portland Cement concrete and unsound concrete patches to expose sound, hard concrete substrate. Replace original deck surface with rapid setting concrete patch.



JOINT SPALL REPAIR DETAIL

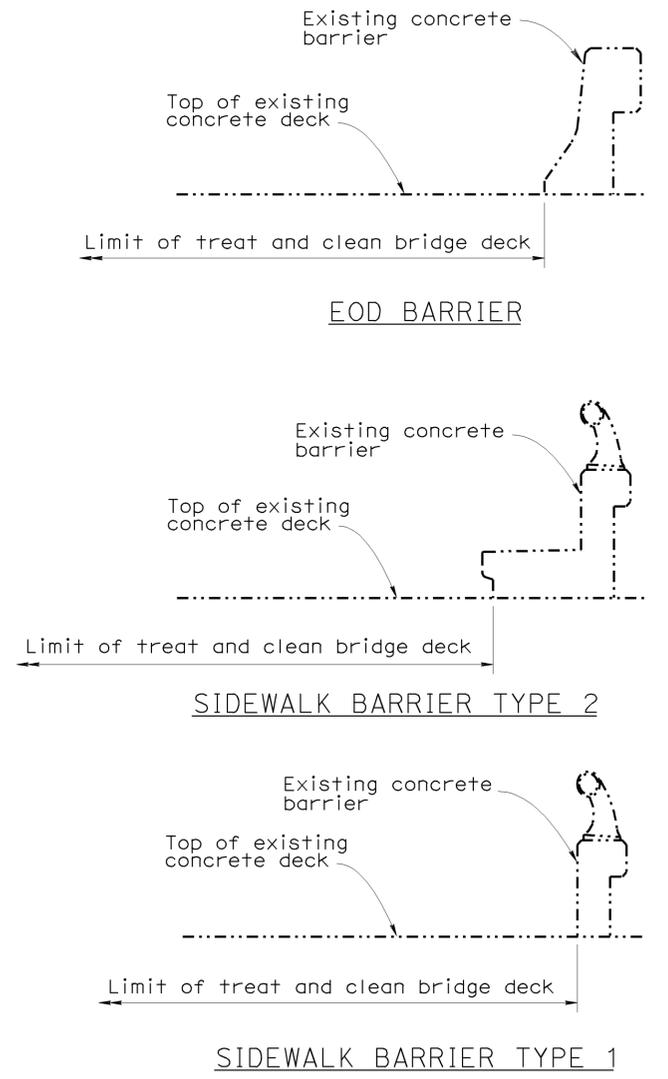
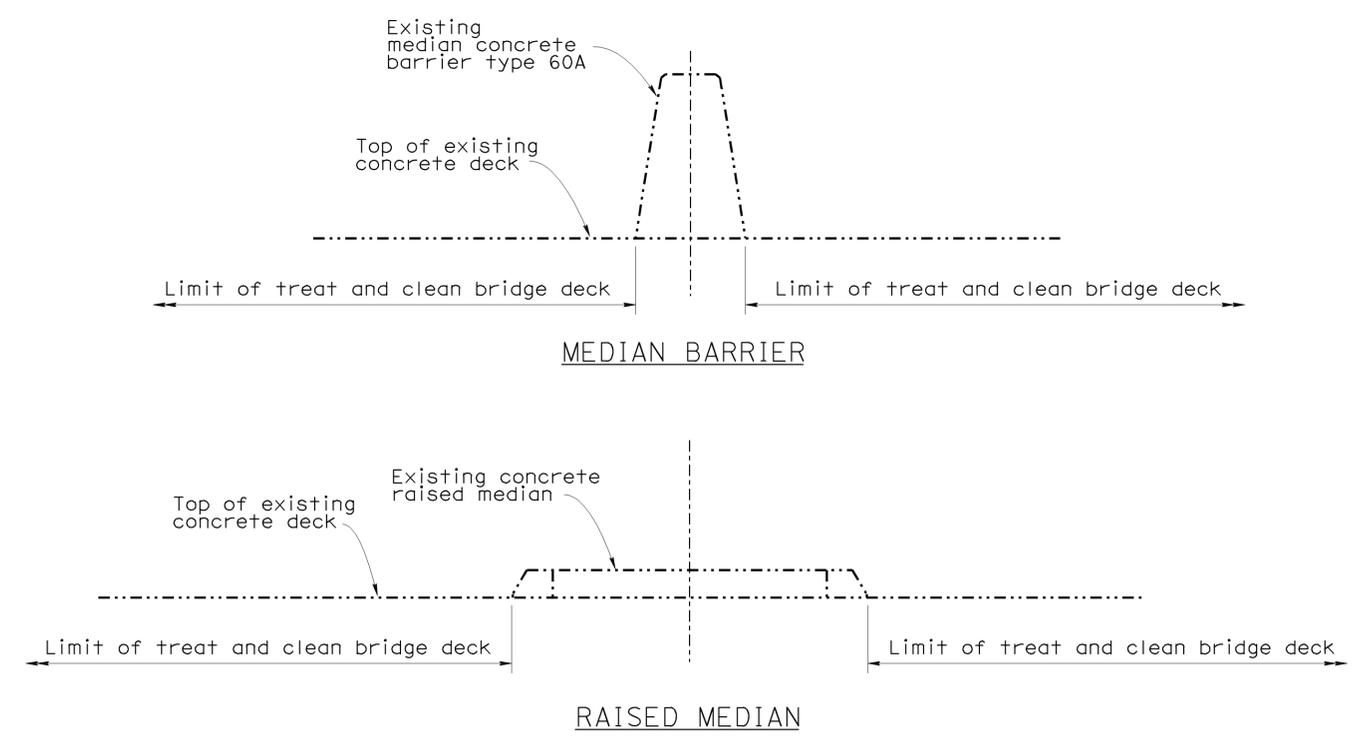
Location will be determined by the Engineer. Reinforcement may be encountered during deck concrete removal and is to remain undamaged.



DECK DAMAGE REPAIR DETAIL

Location will be determined by the Engineer. Reinforcement may be encountered during deck concrete removal and is to remain undamaged.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



TYPICAL LIMITS OF DECK WORK NO SCALE

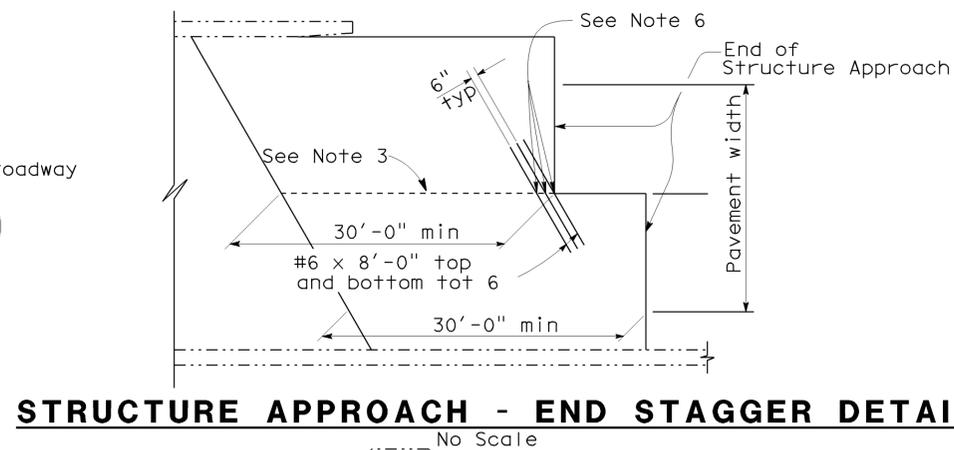
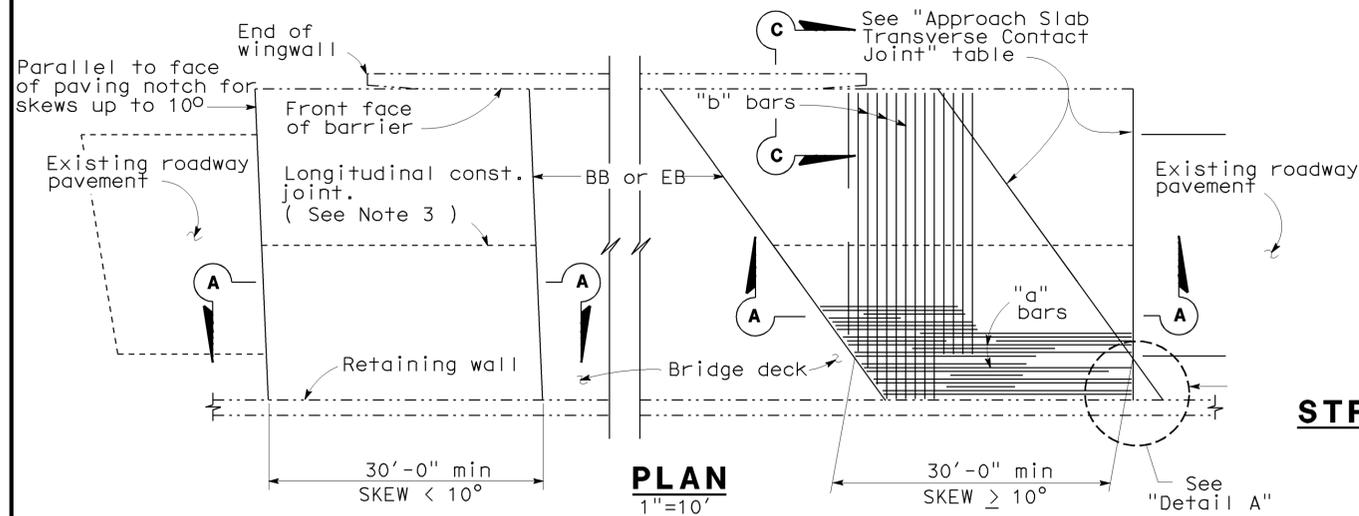
STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 10/25/05)	DESIGN	BY Gerald Joo	CHECKED HongTien Tran	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 101 BRIDGES MISCELLANEOUS DETAILS NO. 2			
	DETAILS	BY Tom Dang	CHECKED Gerald Joo			Various				
	QUANTITIES	BY Gerald Joo	CHECKED HongTien Tran			Varies				
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	CU 07 EA 4Y3001	REVISION DATES				SHEET 10 OF 11

USERNAME => s129239 DATE PLOTTED => 14-DEC-2010 TIME PLOTTED => 07:13

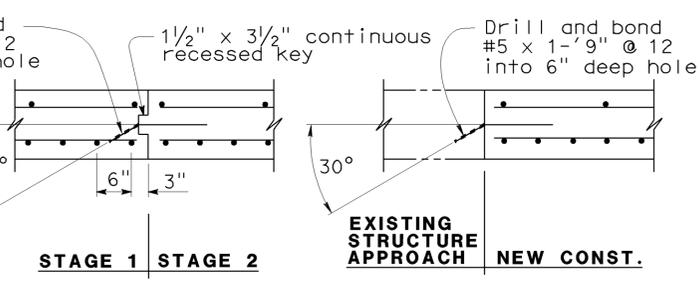
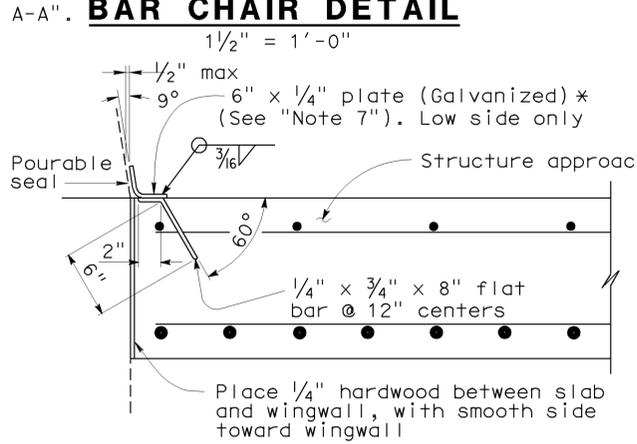
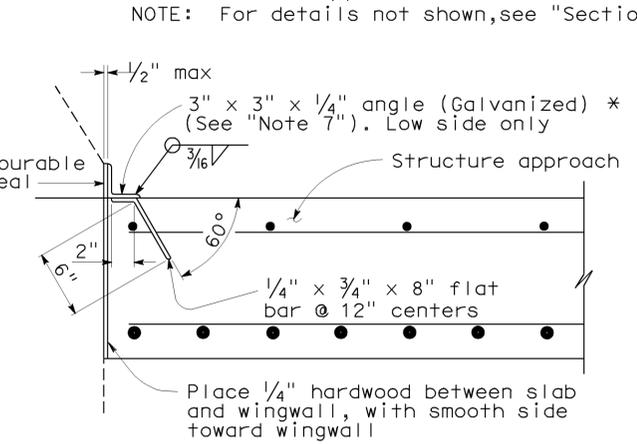
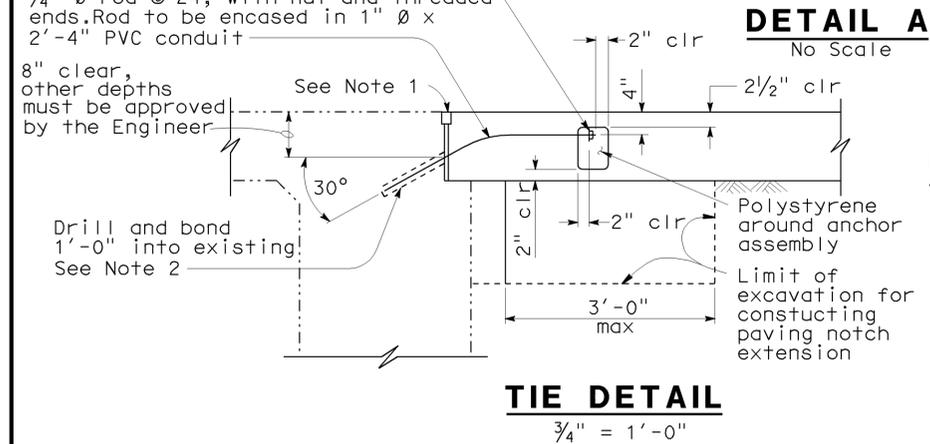
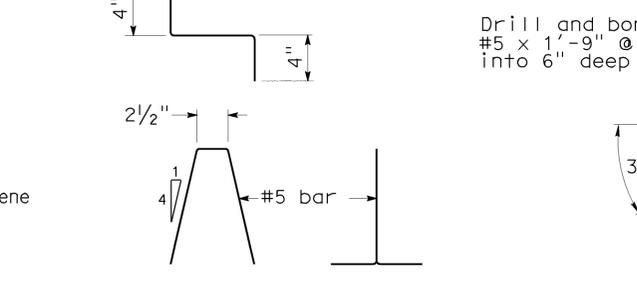
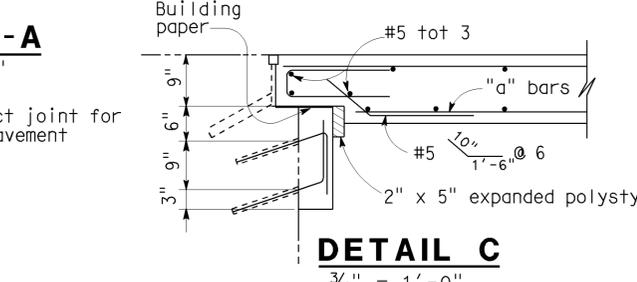
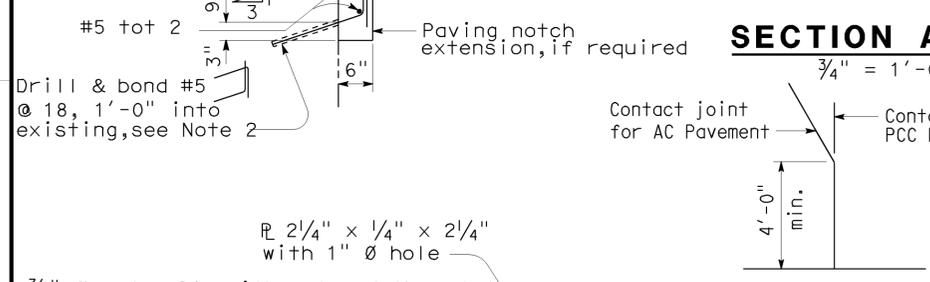
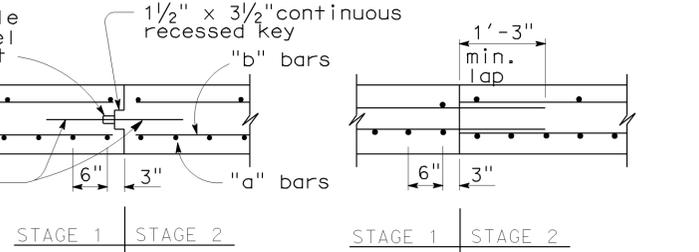
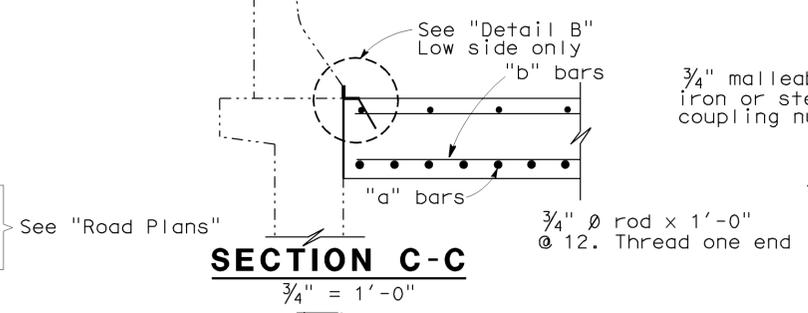
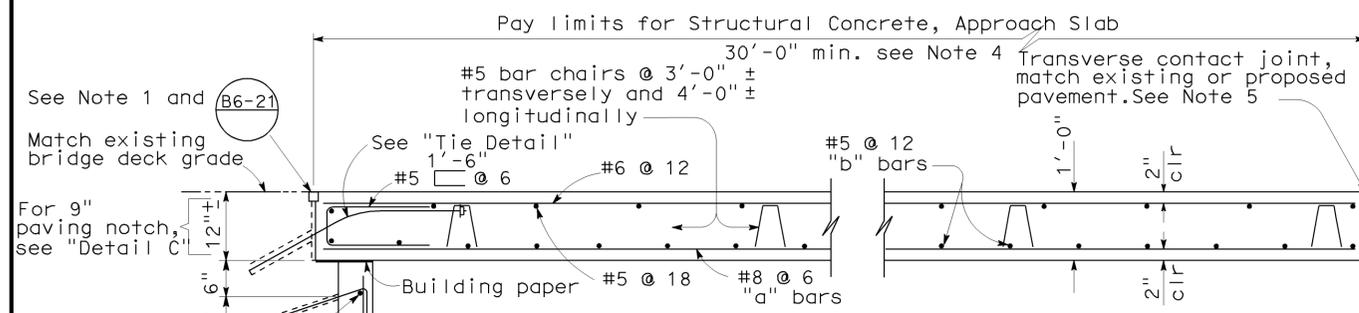
DIST.	COUNTY	ROUTE	MILE POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	101	SO.2/11.5	30	30

REGISTERED ENGINEER - CIVIL
 No. C65380
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA

12-27-10
 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.



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



NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

*(TO BE USED WITH TYPE 25 OR TYPE 27 CONCRETE BARRIER)

*(TO BE USED WITH TYPE 732 OR TYPE 736 CONCRETE BARRIER)

- 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.

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE NO. Various
MILE POST Varies

ROUTE 101 BRIDGES
STRUCTURE APPROACH TYPE R(30D)

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET 11 OF 11
---	---	----------------