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STRUCTURE PLANS
19-33 ROUTE 2, 110, 134 BRIDGES

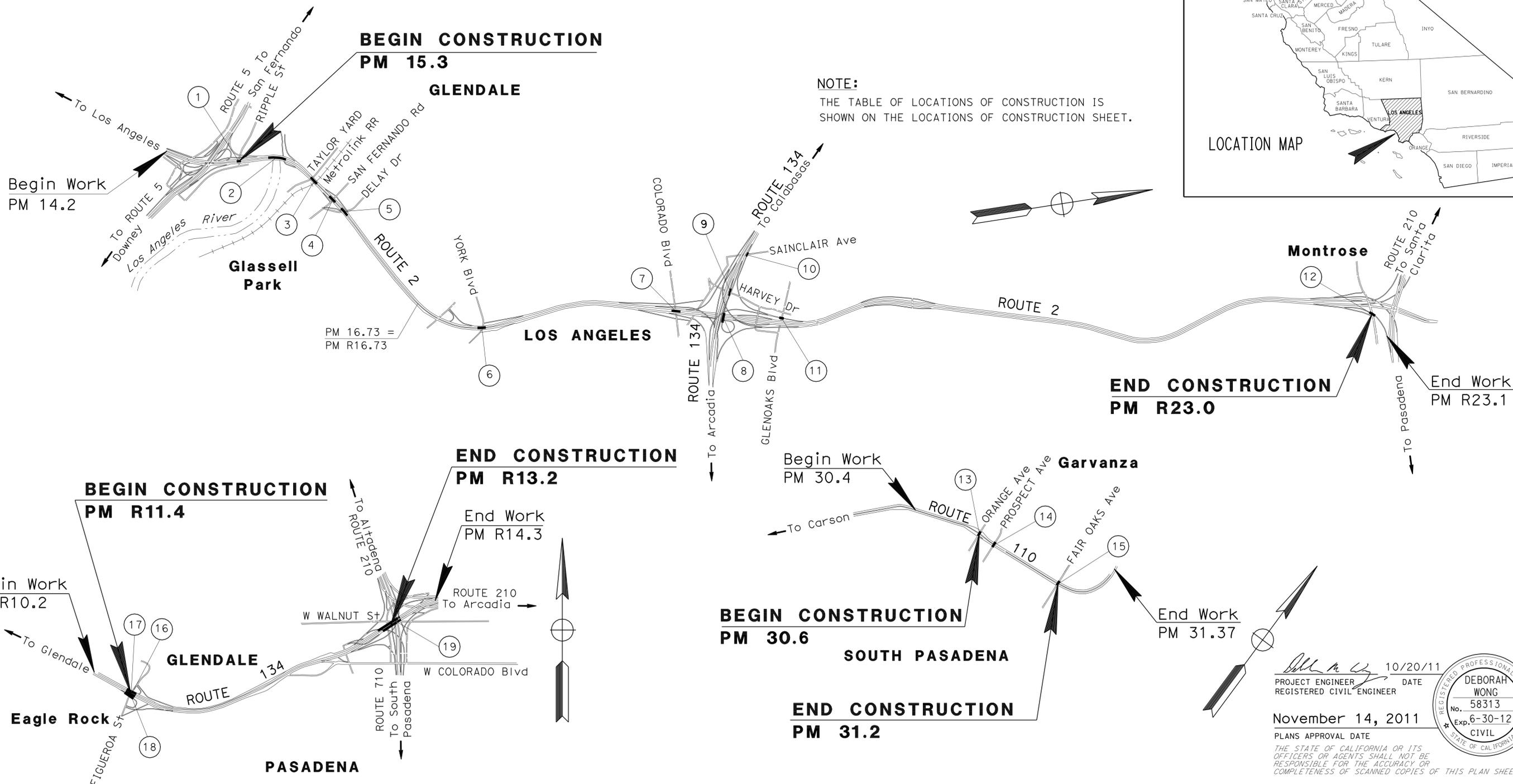
THE STANDARD PLANS LIST APPLICABLE TO THE CONTRACT IS INCLUDED IN THE BID BOOK AND SPECIAL PROVISION BOOK

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY
IN LOS ANGELES COUNTY
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2, 110, 134	Var	1	33

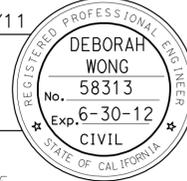
LOCATION MAP



PROJECT MANAGER
CHRISTIAN SAM

DESIGN ENGINEER
MONIR IBRAHIM

PROJECT ENGINEER DATE 10/20/11
 REGISTERED CIVIL ENGINEER
 November 14, 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.	07-4Y9104
PROJECT ID	0700020053

DATE PLOTTED => 23-NOV-2011 TIME PLOTTED => 10:32

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2, 110, 134	Var	2	33

Deborah Wong 10/20/11
 REGISTERED CIVIL ENGINEER DATE

11/14/11
 PLANS APPROVAL DATE

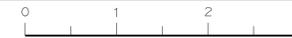
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LOCATIONS OF CONSTRUCTION				
Loc	ROUTE	PM	BRIDGE NAME	BRIDGE No.
1	2	15.32	RIPPLE STREET UC	53-0256F
2	2	15.52	LOS ANGELES RIVER	53-0255
3	2	15.81	TAYLOR YARD OH	53-1039
4	2	16.02	SAN FERNANDO ROAD UC	53-0743
5	2	16.12	DELAY DRIVE OH	53-1040
6	2	R17.29	YORK BOULEVARD UC	53-1993
7	2	R18.52	COLORADO BOULEVARD UC	53-1915
8	2	R18.82	E2-W134 CONNECTOR OC	53-1920G
9	2	R18.83	HARVEY DRIVE OC	53-1884G
10	2	R18.94	SINCLAIR AVENUE UC	53-1878F
11	2	R19.18	GLENOAKS BOULEVARD UC	53-1967F
12	2	R23.00	E2-E210 CONNECTOR OC	53-2690G
13	110	30.59	ORANGE GROVE AVENUE OC	53-0435
14	110	30.70	PROSPECT AVENUE OC	53-0436
15	110	31.17	FAIR OAKS AVENUE OC	53-0440
16	134	R11.44	FIGUEROA STREET UC	53-2151L
17	134	R11.44	FIGUEROA STREET UC	53-2151R
18	134	R11.44	FIGUEROA STREET UC	53-2151S
19	134	R13.24	ROUTE 134, 210/710, 210 SEPARATION	53-2317

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR: MONIR IBRAHIM
 CALCULATED/DESIGNED BY: CHECKED BY:
 DINESH BHAVSAR DEBORAH WONG
 REVISED BY: DATE REVISED:

LOCATIONS OF CONSTRUCTION

LC-1



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2, 110, 134	Var	3	33

10/20/11
 REGISTERED CIVIL ENGINEER DATE
 11/14/11
 PLANS APPROVAL DATE

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

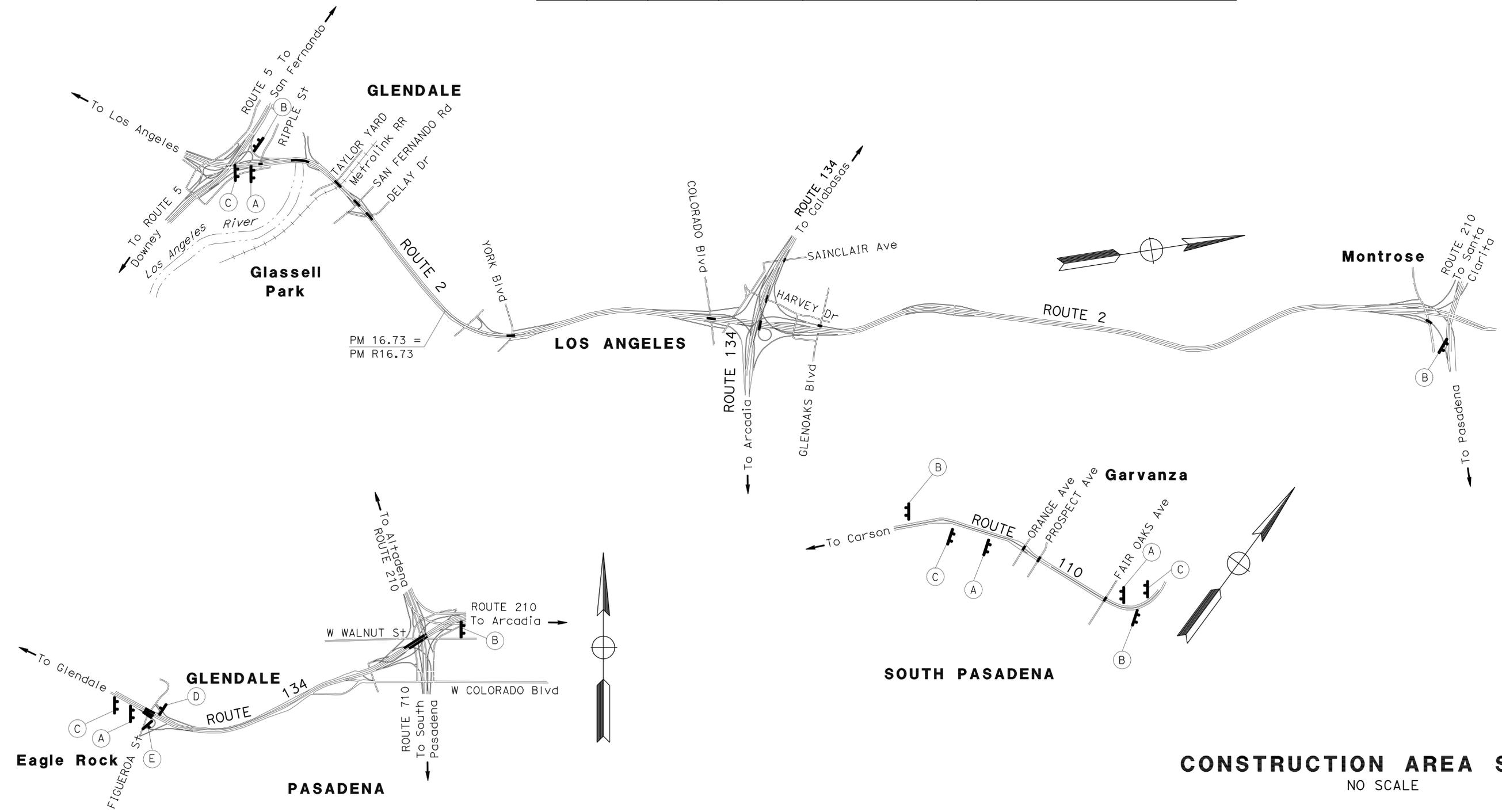
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NOTES:

- "TRAFFIC FINES DOUBLED IN WORK ZONES" SIGNS SHALL BE PLACED APPROXIMATELY 500 FEET IN ADVANCE OF "ROAD WORK AHEAD" SIGNS OR AS DETERMINED BY THE ENGINEER.
- LOCATIONS OF CONSTRUCTION AREA SIGNS AS SHOWN ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THIS PLAN.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS					
SIGN NUMBER	SIGN CODE	PANEL SIZE	QUANTITY	NUMBER OF POSTS AND SIZE	SIGN MESSAGE
(A)	W20-1	48" x 48"	4	2 - 4" x 6"	ROAD WORK AHEAD
(B)	G20-2	48" x 24"	5	2 - 4" x 4"	END ROAD WORK
(C)	C40(CA)	72" x 36"	4	2 - 4" x 6"	TRAFFIC FINES DOUBLED IN WORK ZONES
(D)	W20-1	48" x 48"	1	1 - 6" x 6"	ROAD WORK AHEAD
(E)	G20-2	48" x 48"	1	1 - 4" x 6"	END ROAD WORK

REVISIONS:
 1. BY DINESH BHAVSAR / DEBORAH WONG
 2. BY DINESH BHAVSAR / DEBORAH WONG
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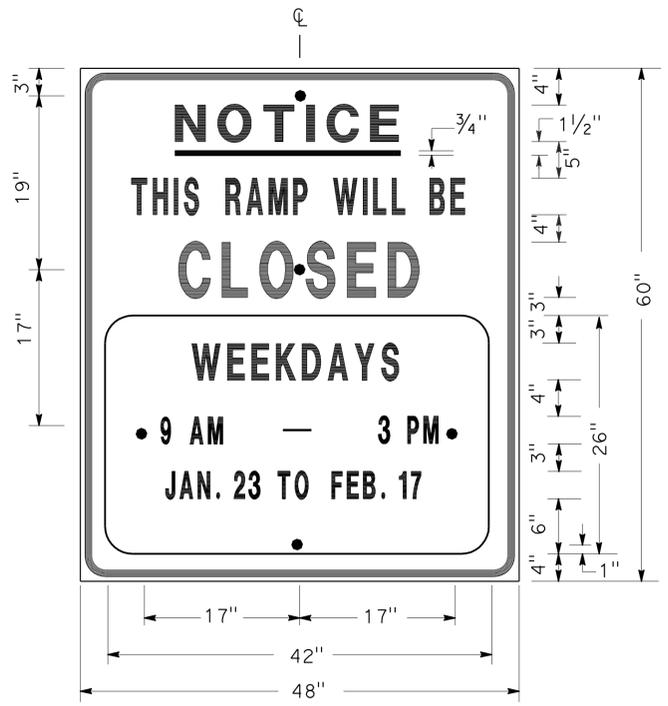
CONSTRUCTION AREA SIGNS
NO SCALE

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

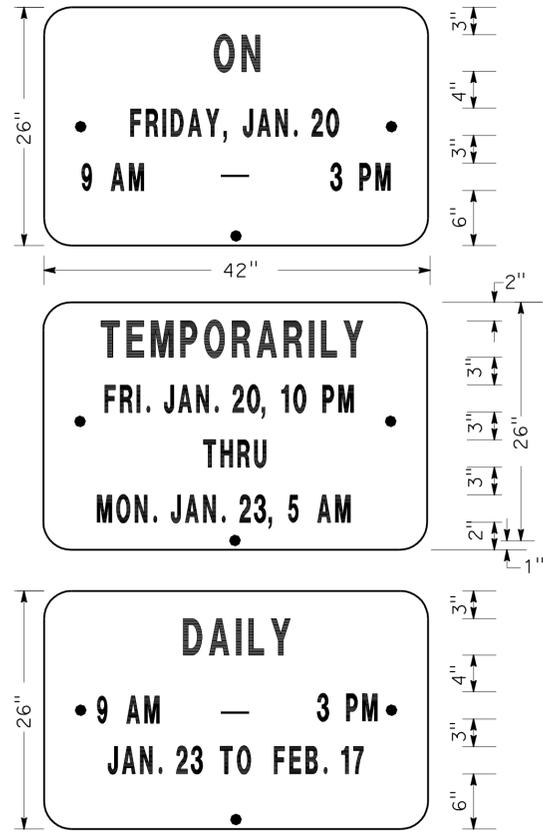
CS-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110, 134	Var	4	33

REGISTERED CIVIL ENGINEER: *Dugda* DATE: 7/14/11
 PLANS APPROVAL DATE: 11/14/11
 DENNIS DO No. C68587 Exp. 9-30-13 CIVIL
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SIGN SP-1



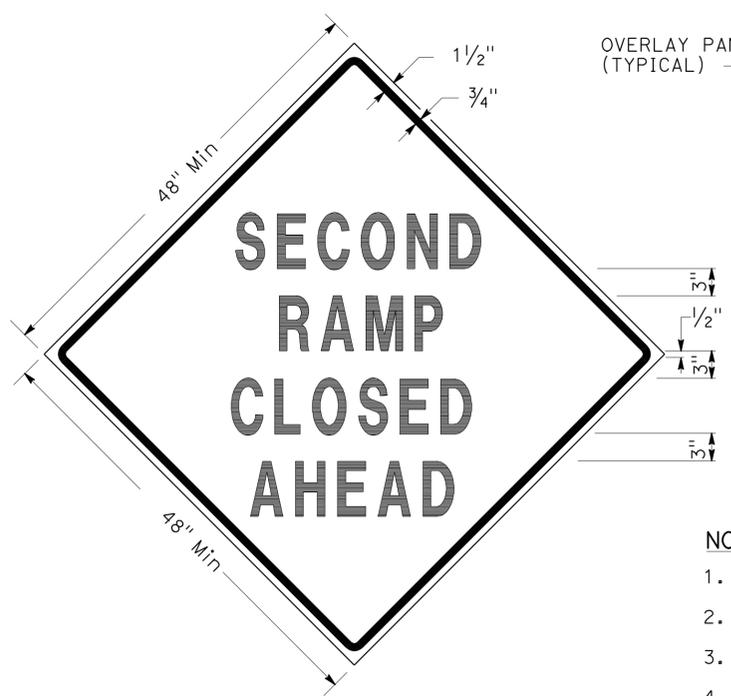
ALTERNATE OVERLAY PANELS (TYPICAL)

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

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

* CONDENSED SPACING IF NECESSARY

SPECIAL ADVANCE NOTICE PUBLICITY SIGN



SIGN SP-3

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.

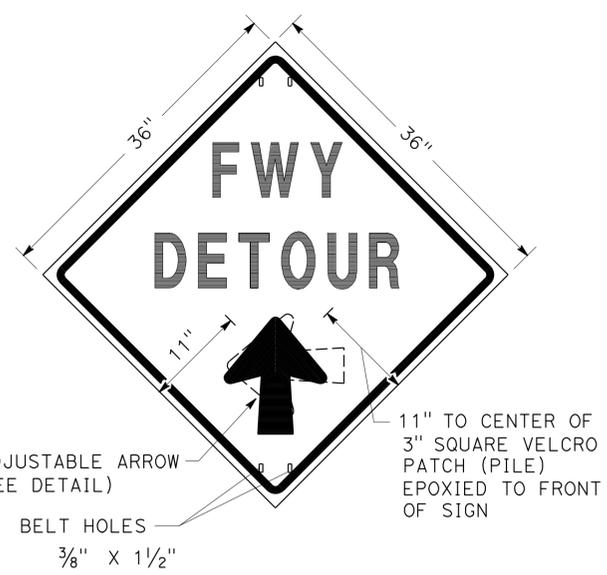
SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

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

SHEET 1 OF 2

NO SCALE

THD-1



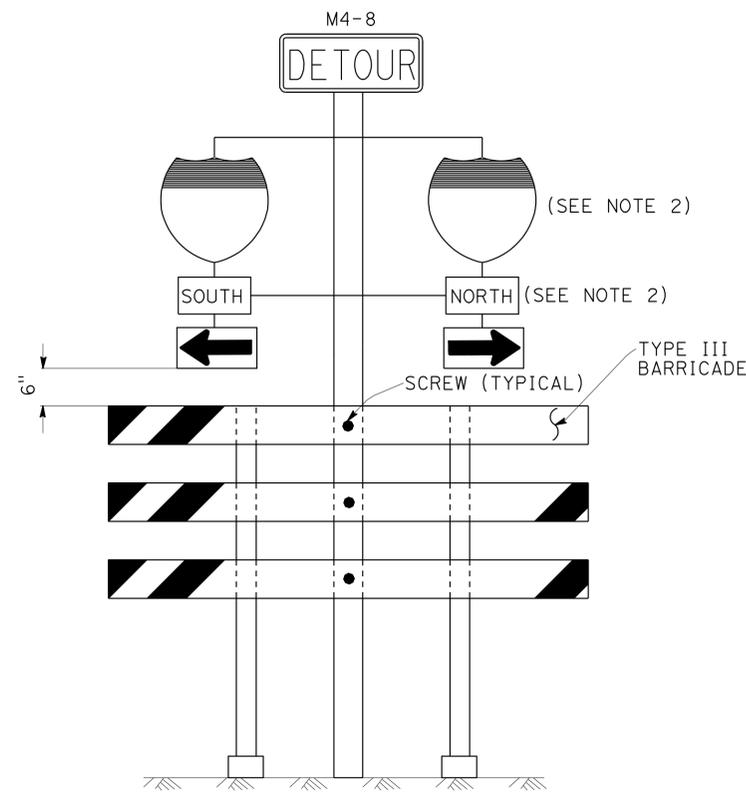
SIGN SP-2

NOTES: (SIGN SP-2)

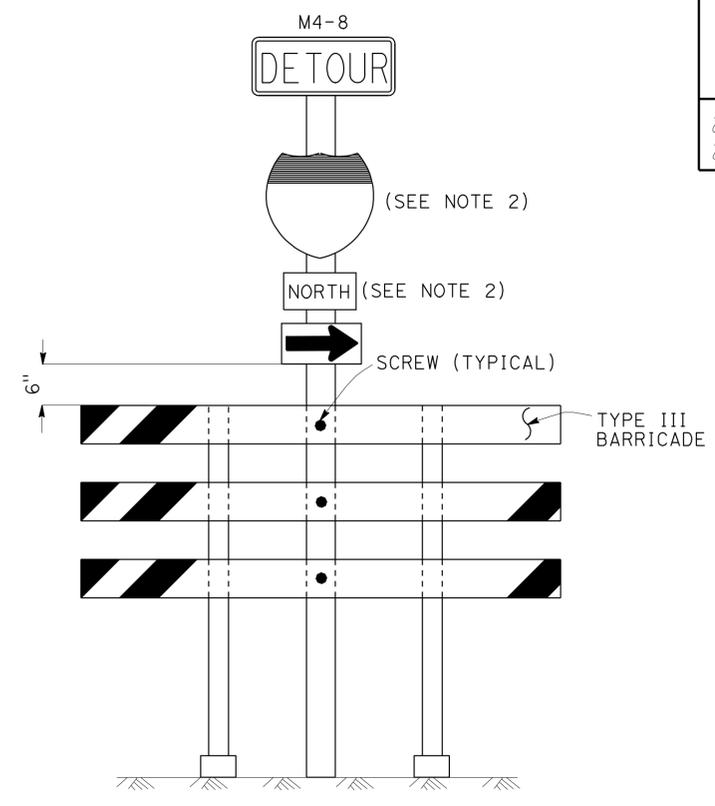
- LETTERS -6" SERIES E.
- LETTERS, BORDER AND ARROW - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
- BASE MATERIAL FOR SIGNS AND ARROWS SHALL BE ALUMINUM (MINIMUM 0.06").
- BELTS (LUGGAGE STRAPS) SHALL BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
- SIGNS SHALL BE MOUNTED WITH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

ABBREVIATION

(CA) CALIFORNIA CODE



SIGN SP-6 (SEE NOTE 1)

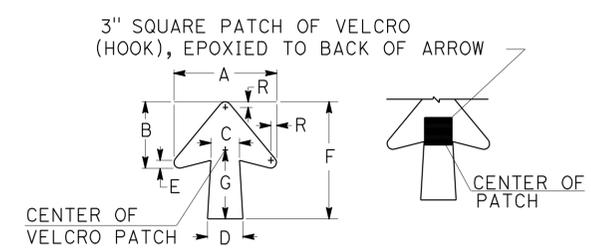


SIGN SP-7 (SEE NOTE 1)

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



ADJUSTABLE ARROW DETAIL

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

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

SHEET 2 OF 2
NO SCALE

THD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM

REVISOR: JC
DATE: 7/10

DESIGNER: ALBERT K YU
CHECKER: JOCELYN C CHIANG

FUNCTIONAL SUPERVISOR: MARTIN OREGEL

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110, 134	Var	7	33

REGISTERED CIVIL ENGINEER: *Duydo* 7/14/11
 DATE: 11/14/11
 PLANS APPROVAL DATE: 11/14/11

REGISTERED PROFESSIONAL ENGINEER: DENNIS DO
 No. C68587
 Exp. 9-30-13
 CIVIL

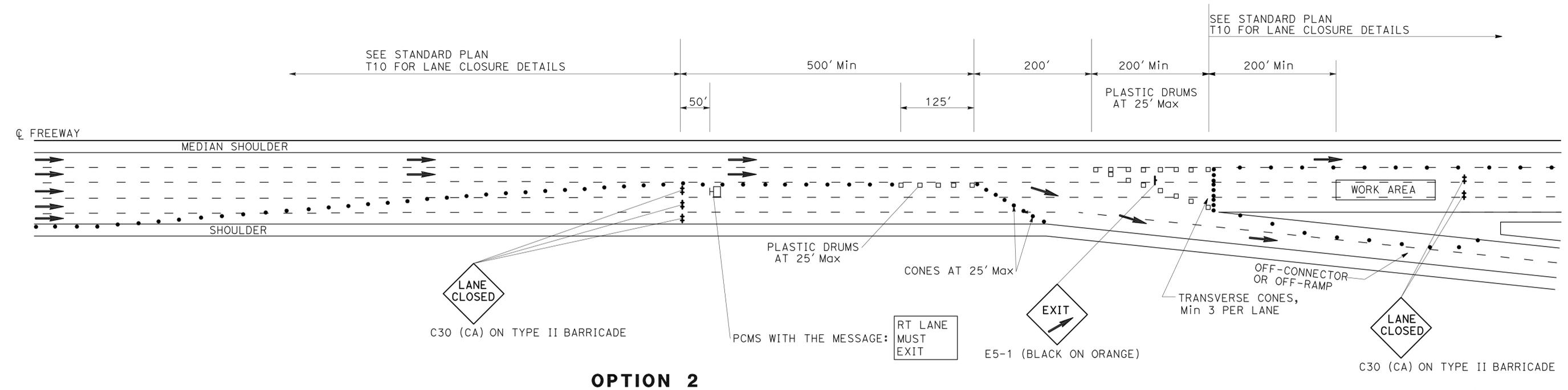
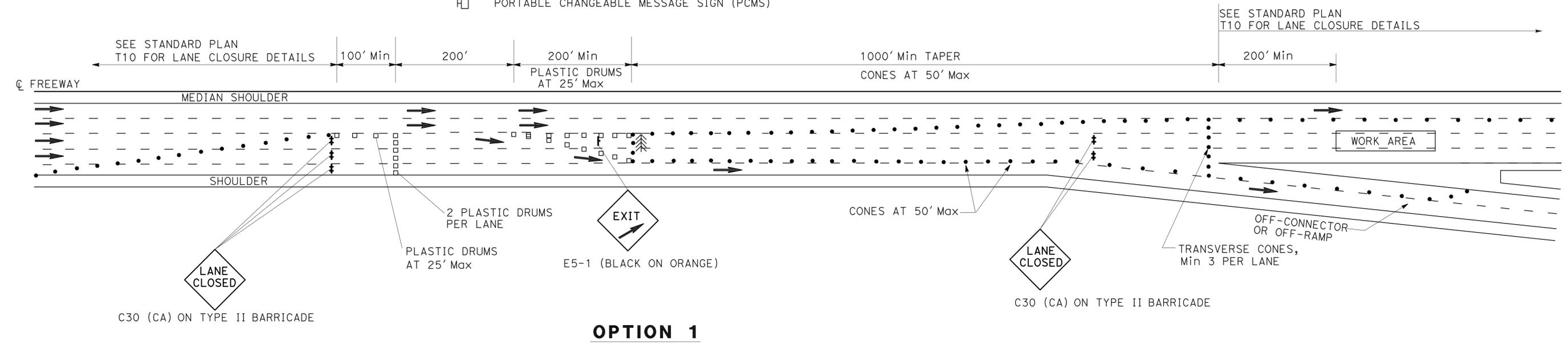
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LEGEND

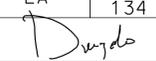
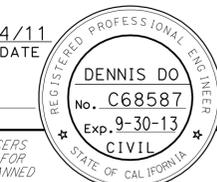
- CONE
- TRAFFIC PLASTIC DRUM
- ⚡ FLASHING ARROW SIGN
- ⌚ PORTABLE SIGN
- ➔ DIRECTION OF TRAVEL
- ⌚ PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

ABBREVIATIONS

(CA) CALIFORNIA CODE



TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR SLIP-RAMP AT
OFF-CONNECTOR OR OFF-RAMP
 NO SCALE
THD-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110, 134	Var	8	33
 REGISTERED CIVIL ENGINEER DATE 7/14/11					
11/14/11			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>					

NOTES:

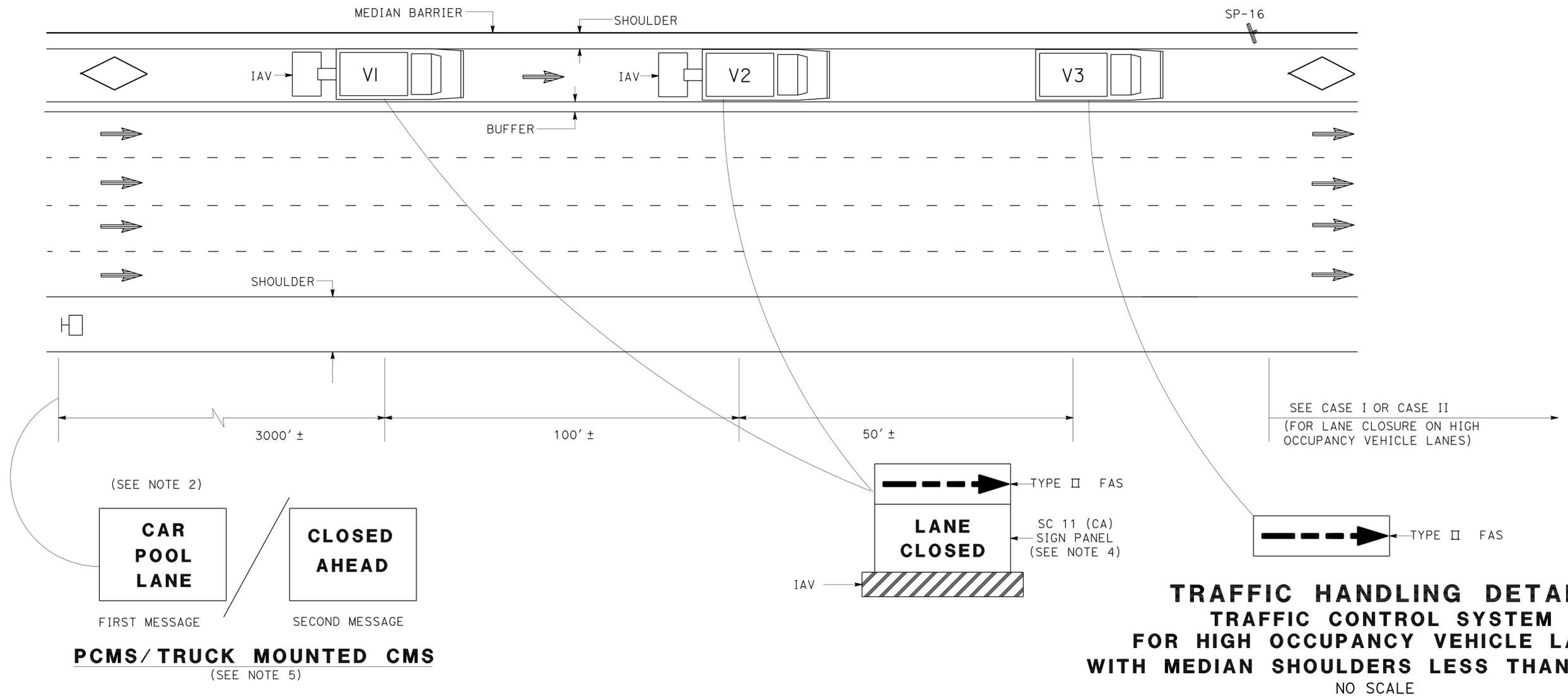
- LANE CLOSURES SHALL NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
- PCMS SHALL BE ACTIVATED PRIOR TO TRAFFIC CONTROL ACTIVITIES ON THE HOV LANE.
- A MINIMUM SIGHT DISTANCE OF 1500' SHALL BE PROVIDED IN ADVANCE OF PCMS.
- VEHICLE-MOUNTED SIGN PANELS SHALL BE TYPE III OR IV RETROREFLECTORIZED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

ABBREVIATIONS

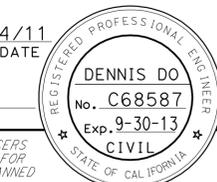
- FAS FLASHING ARROW SIGN
- IAV IMPACT ATTENUATOR VEHICLE
- CMS CHANGEABLE MESSAGE SIGN
- (CA) CALIFORNIA CODE
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- HOV HIGH OCCUPANCY VEHICLE



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

THD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DTM	FUNCTIONAL SUPERVISOR	REVISOR	DATE
		MARTIN OREGEL	ALBERT K YU	7/10
CALCULATED/DESIGNED BY	CHECKED BY	REVISOR	DATE	REVISION
		ALBERT K YU	7/10	JC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110, 134	Var	9	33
			7/14/11		
REGISTERED CIVIL ENGINEER			DATE		
11/14/11			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>					

NOTES:

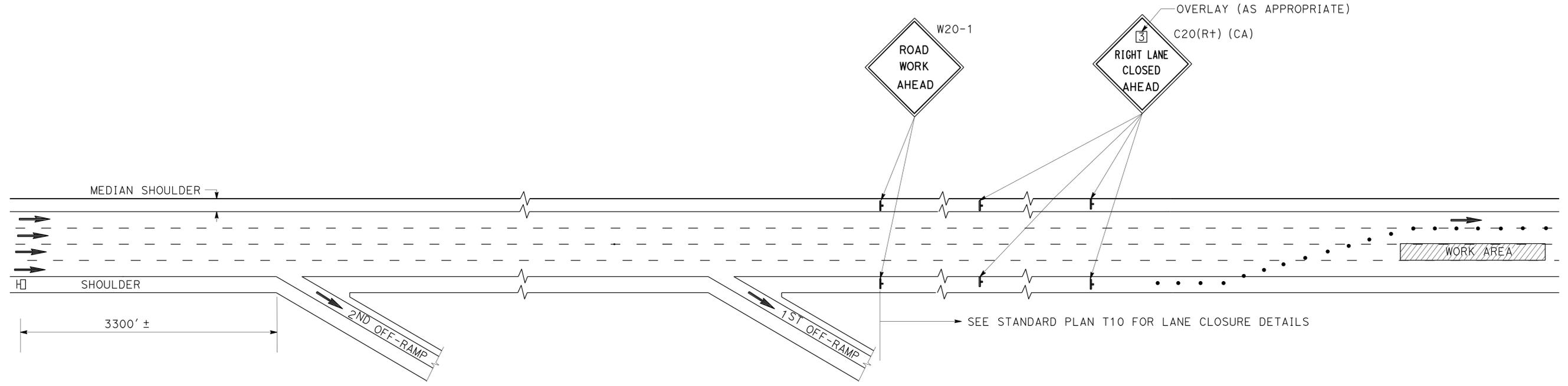
- WORDING DISPLAYED ON PCMS WILL BE APPROVED BY THE ENGINEER.
- EXACT LOCATIONS OF PCMS WILL BE DETERMINED BY THE ENGINEER.
- CHANGE PCMS MESSAGE AT THE BEGINNING OF CURE PERIOD TO REFLECT NUMBER OF CLOSED LANES.

ABBREVIATIONS

PCMS PORTABLE CHANGEABLE MESSAGE SIGN
(CA) CALIFORNIA CODE

LEGEND

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



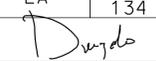
FIRST FLASH MESSAGE	X (NO OF LANES) RIGHT / LEFT	← 1ST LINE (TYPICAL)
	LANES	← 2ND LINE (TYPICAL)
	CLOSED	← 3RD LINE (TYPICAL)
SECOND FLASH MESSAGE	A ST	← LIMIT OF CLOSURE (TYPICAL)
	TO B DR	← LIMIT OF CLOSURE (TYPICAL)

WORDING FOR PORTABLE CHANGEABLE MESSAGE SIGN

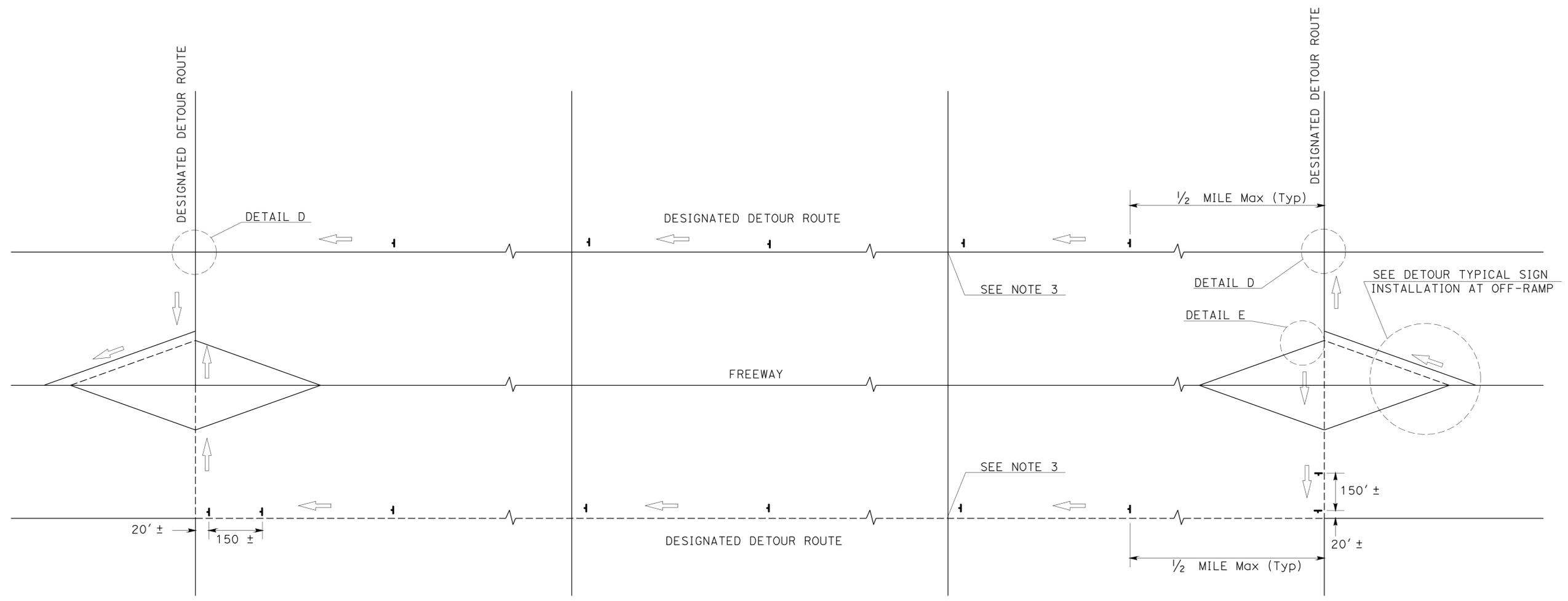
**TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR CONCRETE PAVEMENT AND
APPROACH SLAB REPLACEMENT
NO SCALE**

THD-6

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110, 134	Var	10	33
			7/14/11		
REGISTERED CIVIL ENGINEER			DATE		
11/14/11			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	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	DATE
Caltrans	MARTIN OREGEL	ALBERT K YU JOCELYN C CHIANG	JC	7/10



TYPICAL DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

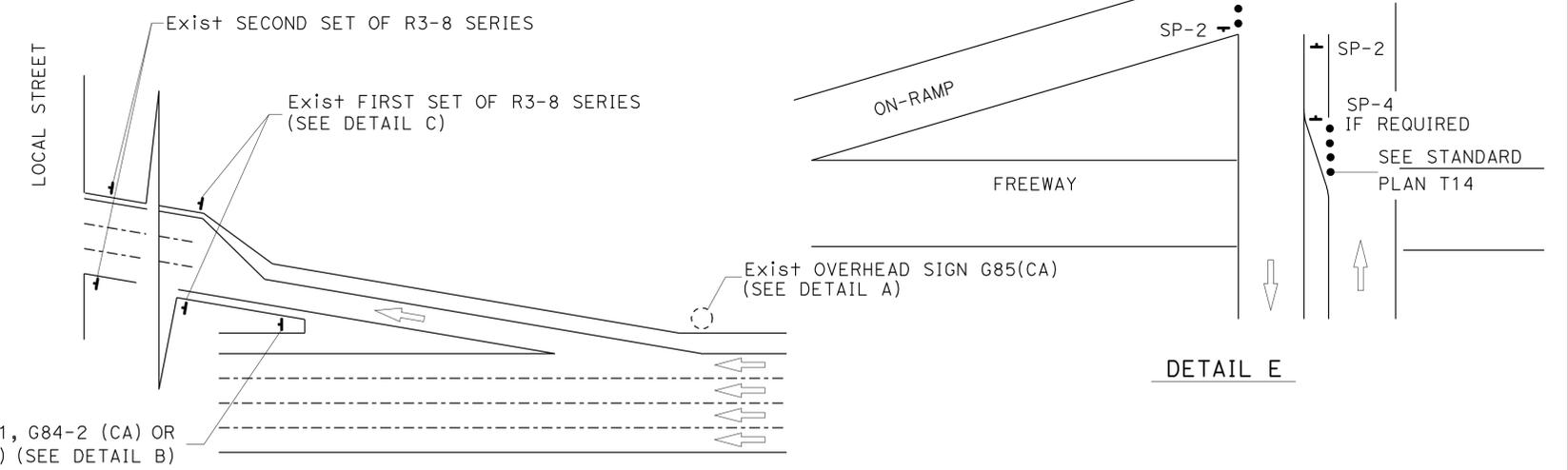
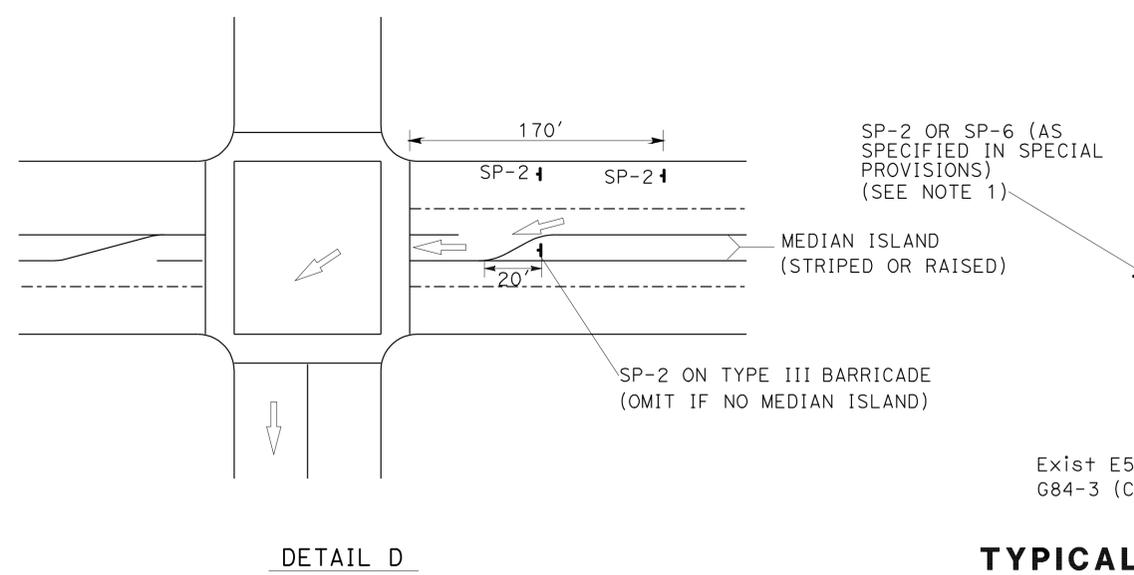
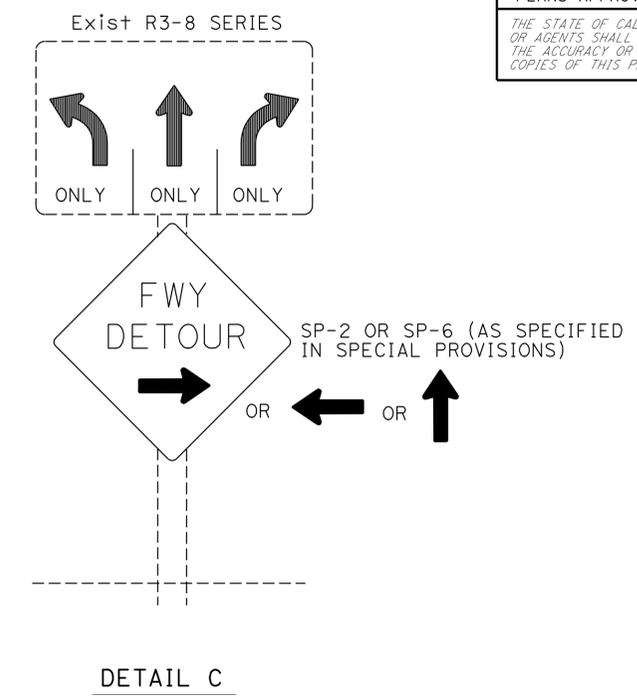
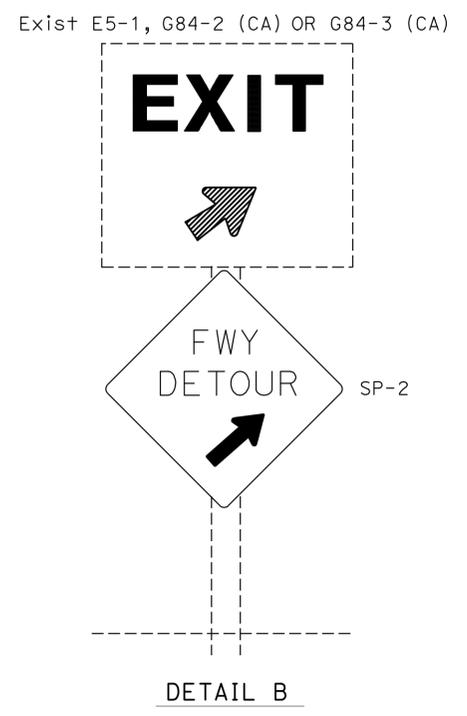
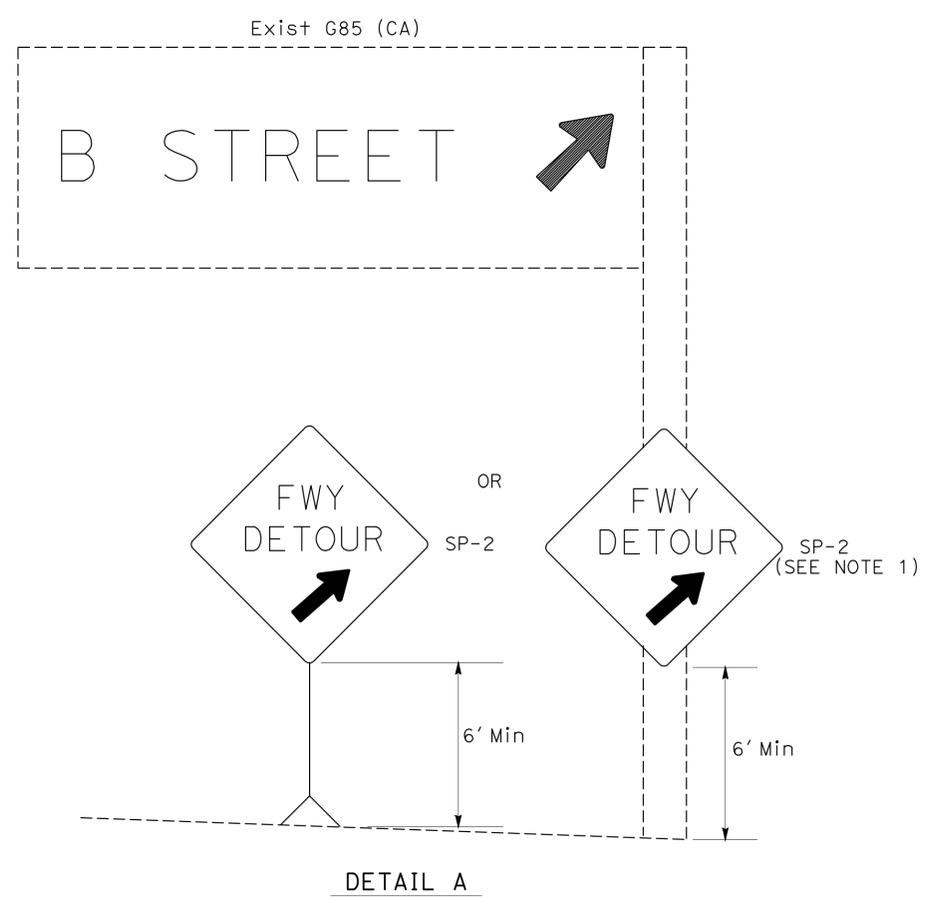
- LEGEND**
-  TEMPORARY SIGN (SP-2)
 -  AND/OR DESIGNATED DETOUR ROUTE
 -  DIRECTION OF TRAVEL

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

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

THD-7

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110, 134	Var	11	33
REGISTERED CIVIL ENGINEER			DATE	7/14/11	
11/14/11			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 DENNIS DO No. C68587 Exp. 9-30-13 CIVIL STATE OF CALIFORNIA					



TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

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

ABBREVIATIONS
 (CA) CALIFORNIA CODE

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

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

THD-8

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

LAST REVISION DATE PLOTTED => 10-NOV-2011
 11-14-11 TIME PLOTTED => 15:19

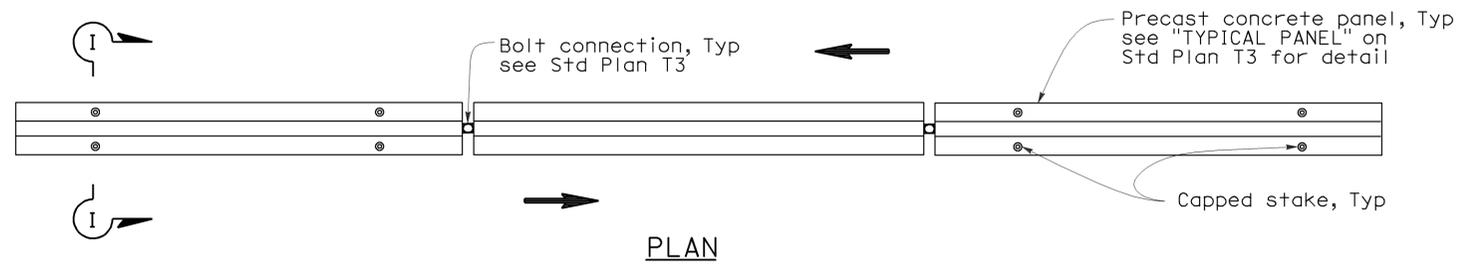
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2, 110, 134	Var	13	33

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

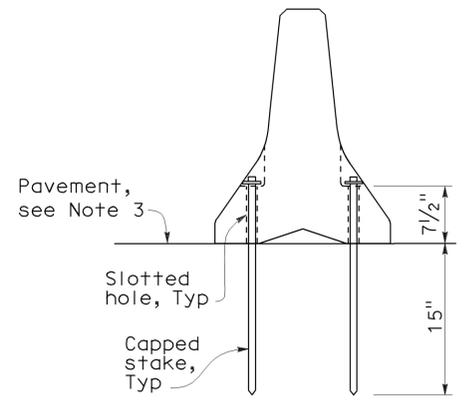
May 20, 2011
PLANS APPROVAL DATE

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 11/14/11

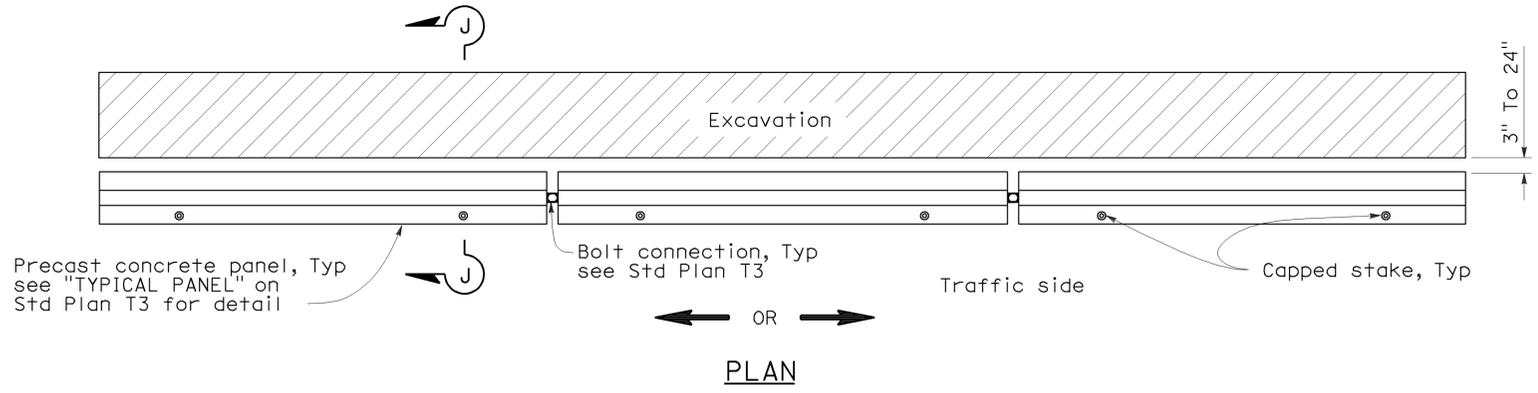


RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC
See Note 1

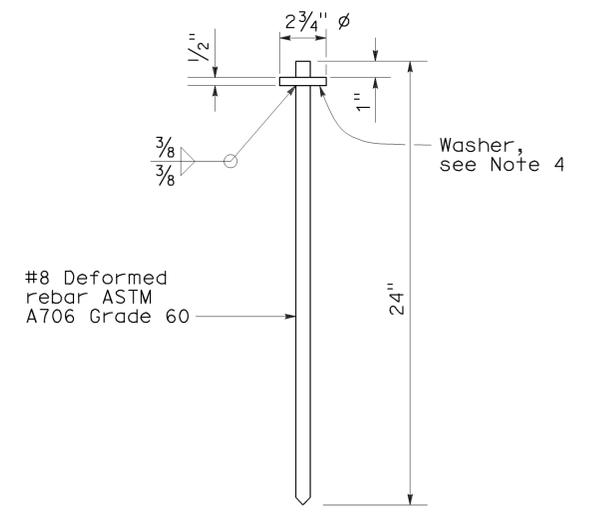
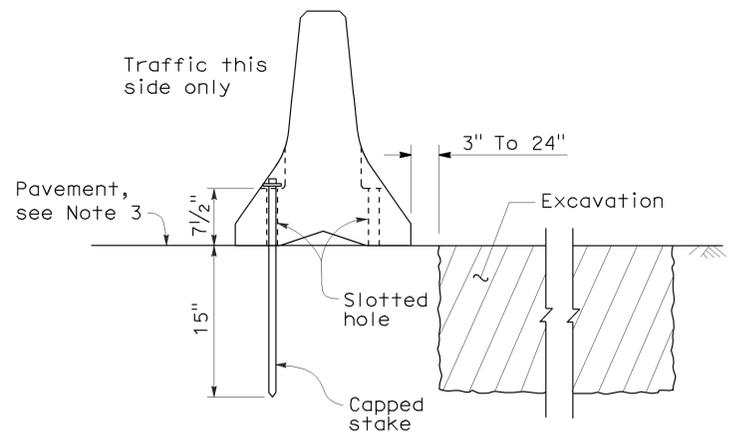


NOTES:

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



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.

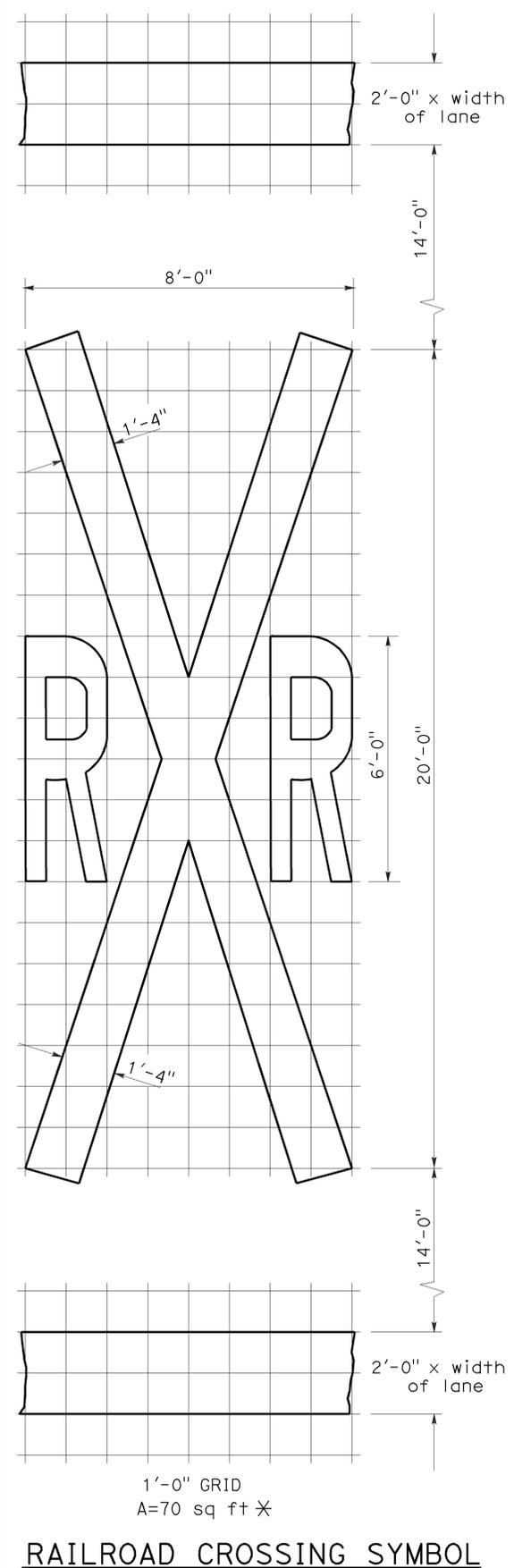
2006 NEW STANDARD PLAN NSP T3A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	2, 110, 134	Var	14	33

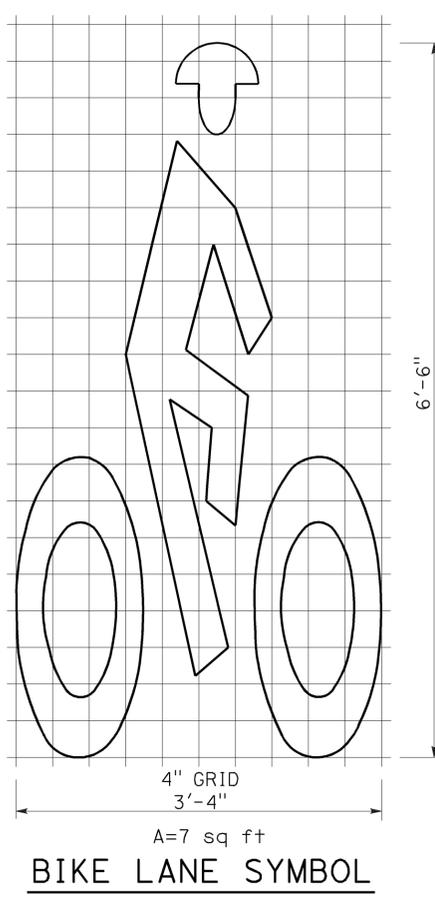
Donald E. Howe
 REGISTERED CIVIL ENGINEER
 June 6, 2008
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

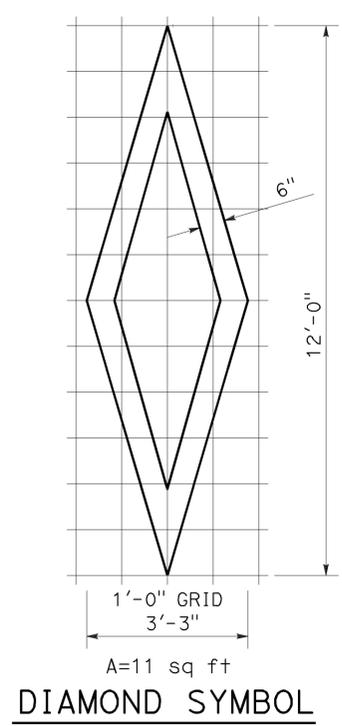
To accompany plans dated 11/14/11



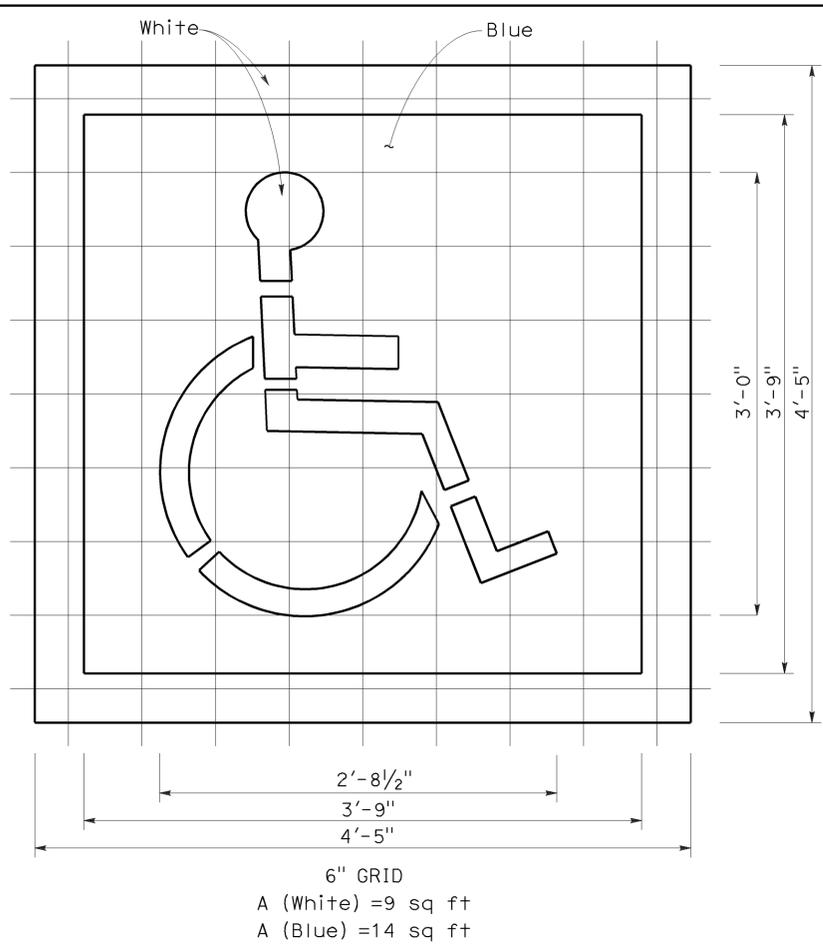
RAILROAD CROSSING SYMBOL
 ✕70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



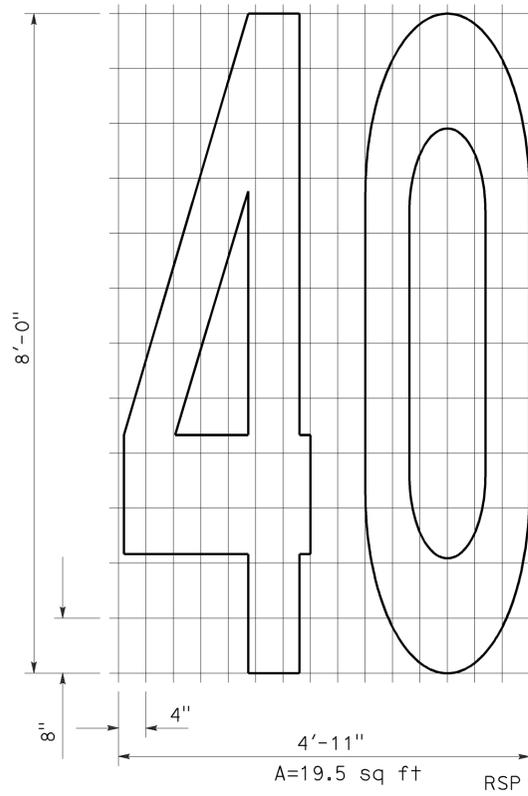
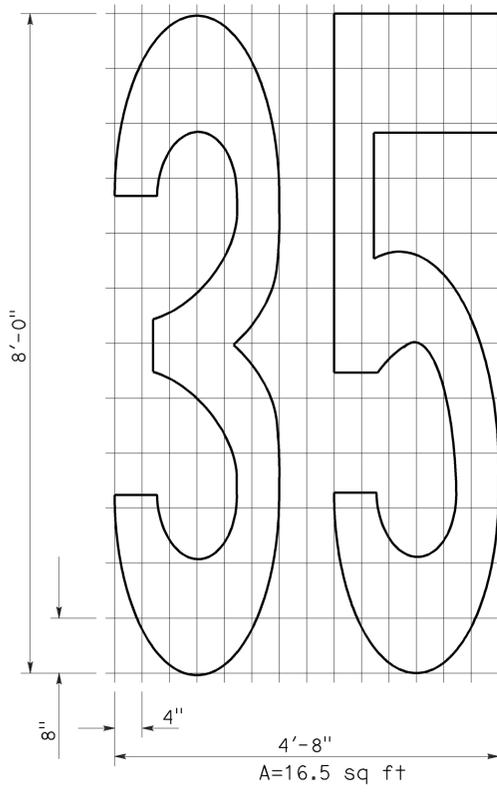
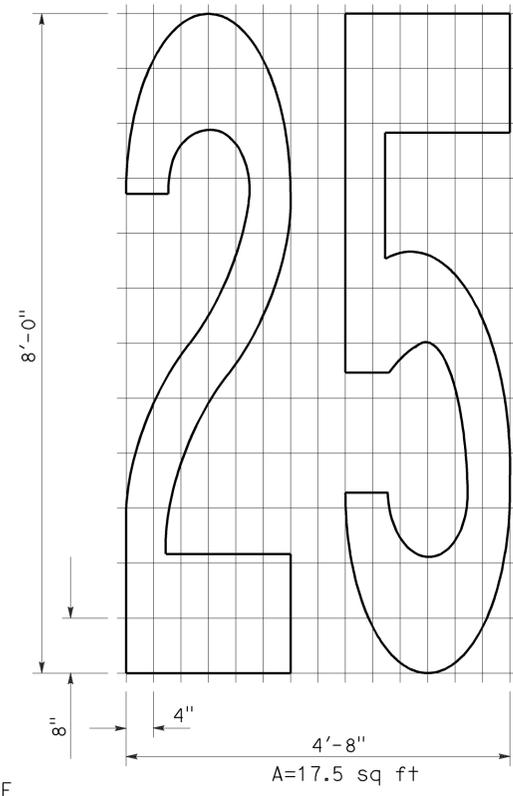
BIKE LANE SYMBOL



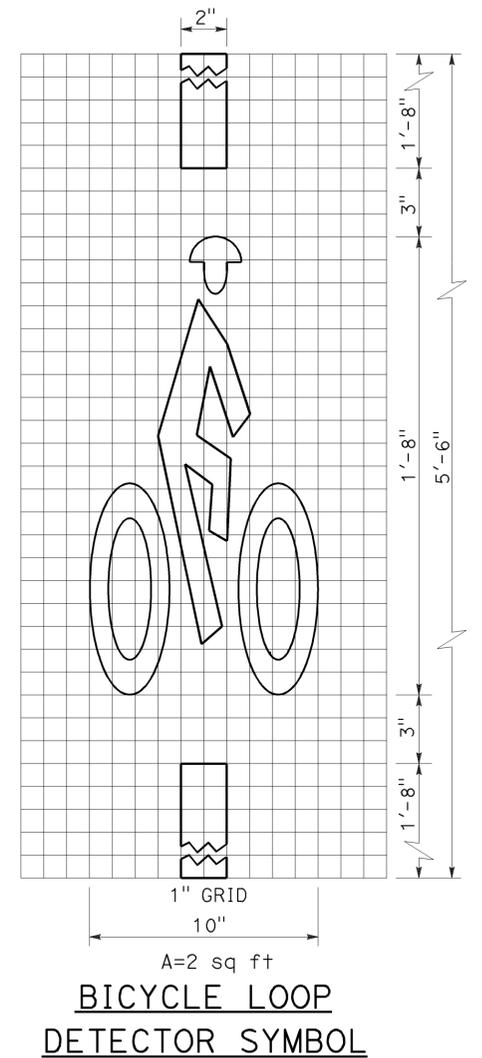
DIAMOND SYMBOL



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

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

2006 REVISED STANDARD PLAN RSP A24C

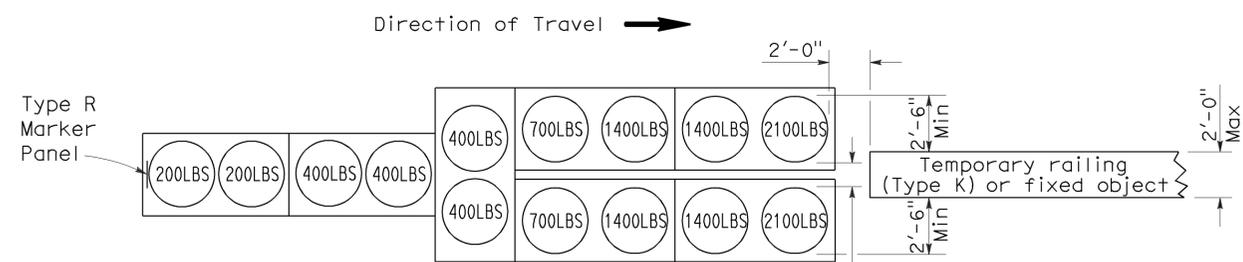
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	2, 110, 134	Var	15	33

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

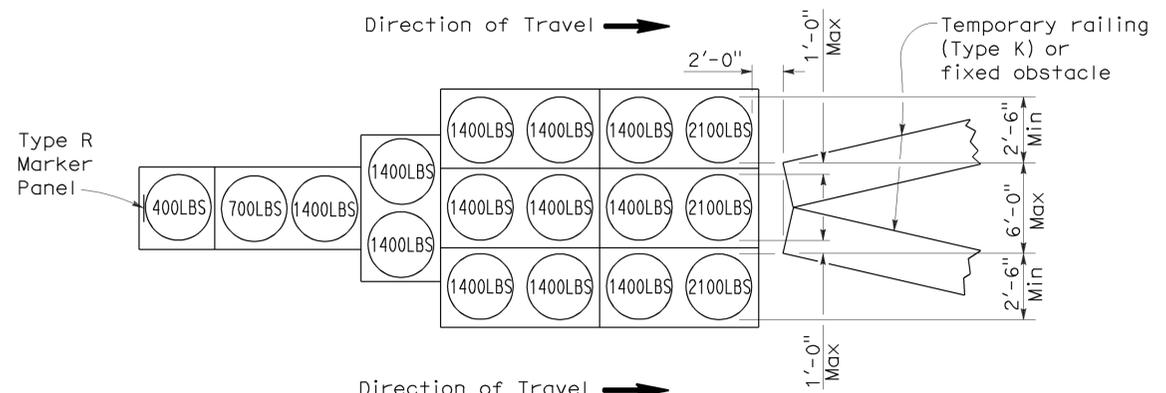
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 11/14/11



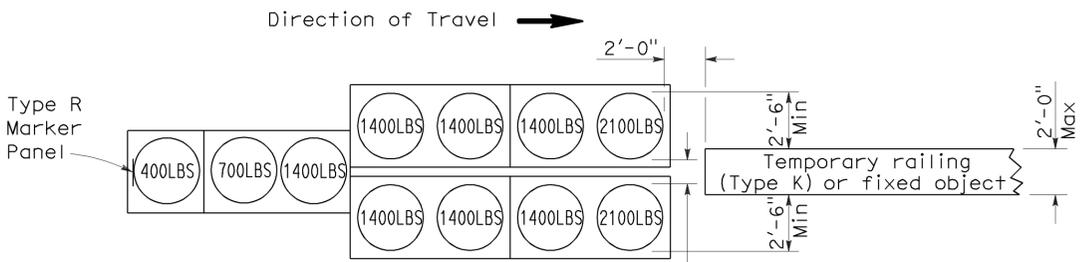
ARRAY 'TU14'

Approach speed 45 mph or more



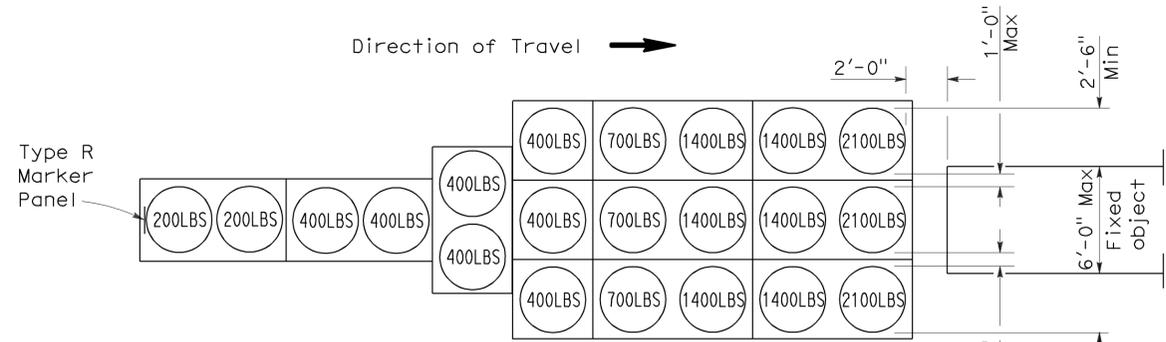
ARRAY 'TU17'

Approach speed less than 45 mph



ARRAY 'TU11'

Approach speed less than 45 mph

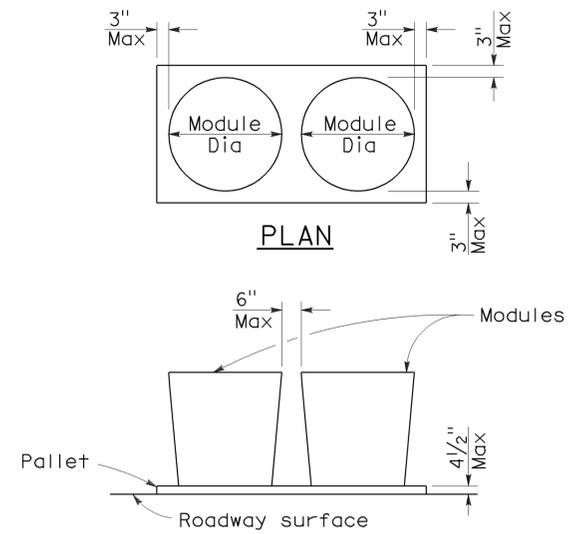


ARRAY 'TU21'

Approach speed 45 mph or more

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.



CRASH CUSHION PALLET DETAIL
See Note 7

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

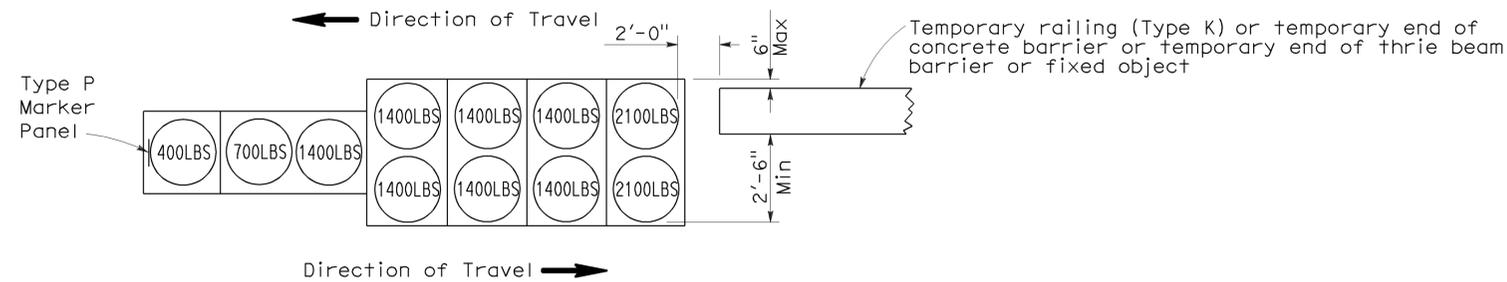
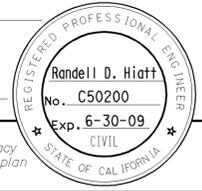
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	2, 110, 134	Var	16	33

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

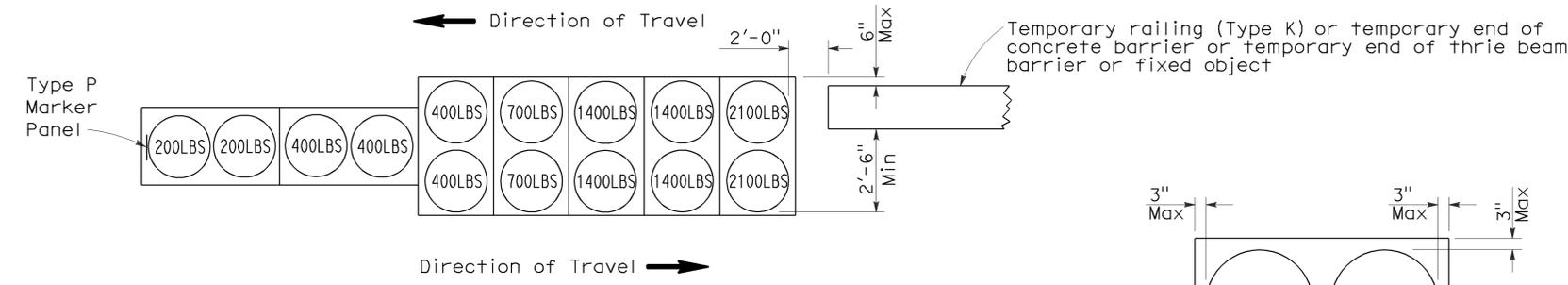
June 6, 2008
PLANS APPROVAL DATE

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.

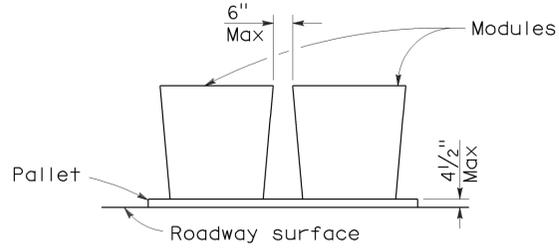
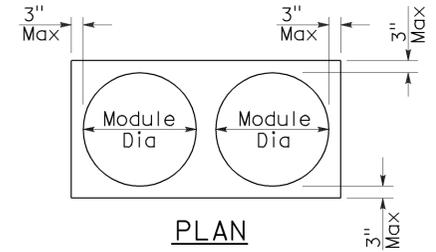
To accompany plans dated 11/14/11



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

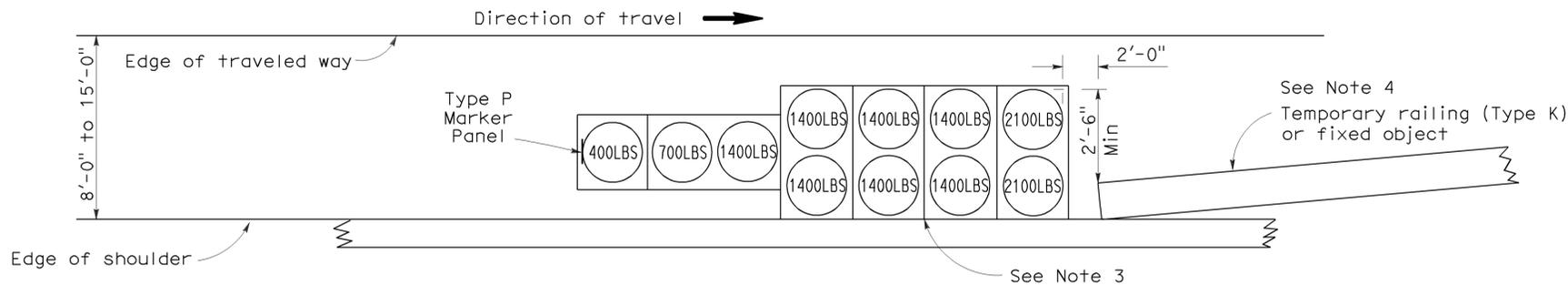
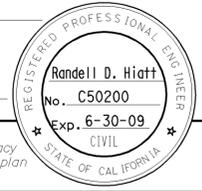
**TEMPORARY CRASH CUSHION,
SAND FILLED
(BIDIRECTIONAL)**

NO SCALE

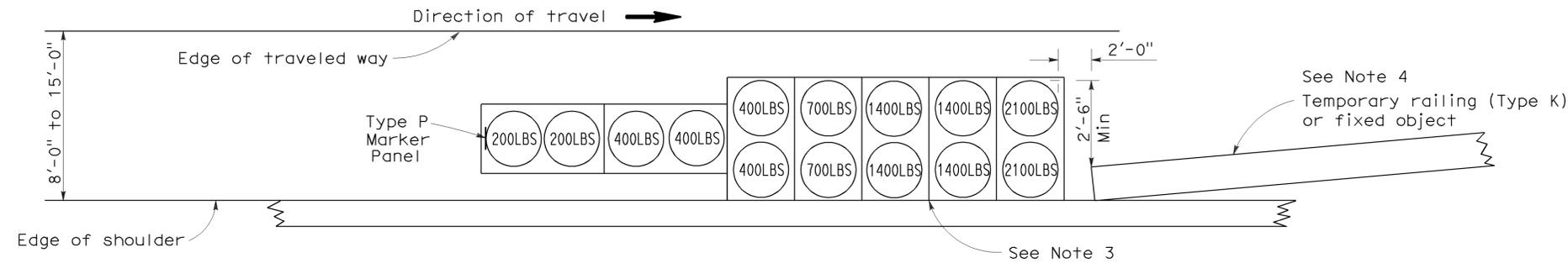
RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B



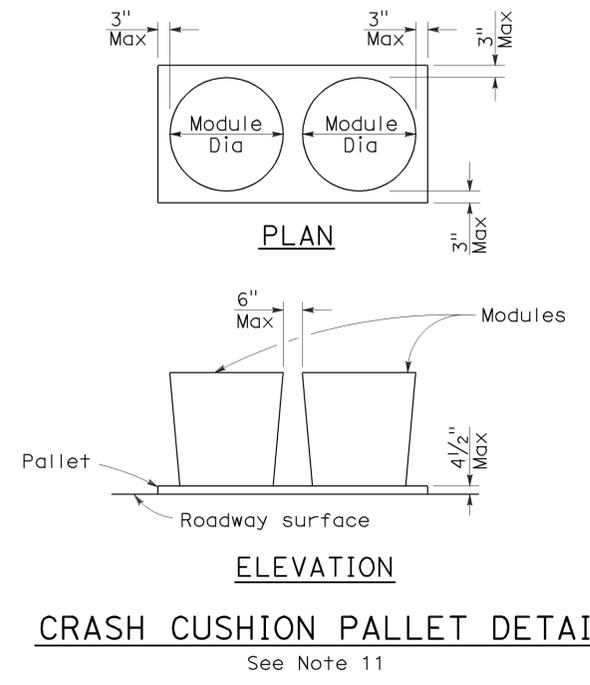
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



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

NOTES:

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



CRASH CUSHION PALLET DETAIL
See Note 11

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

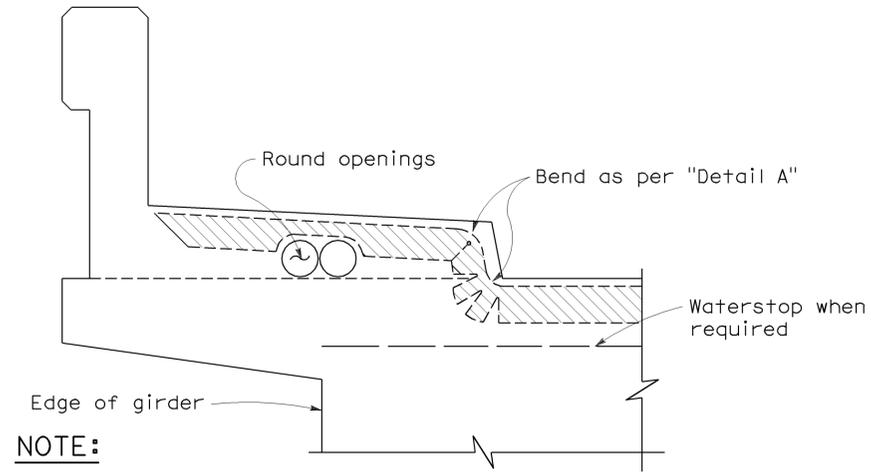
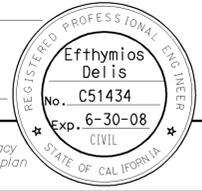
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**

NO SCALE

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

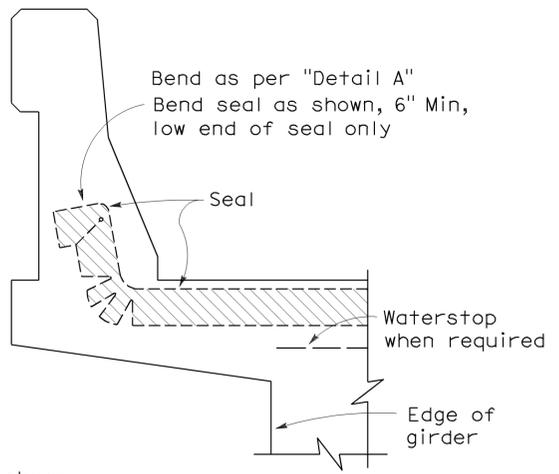
REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

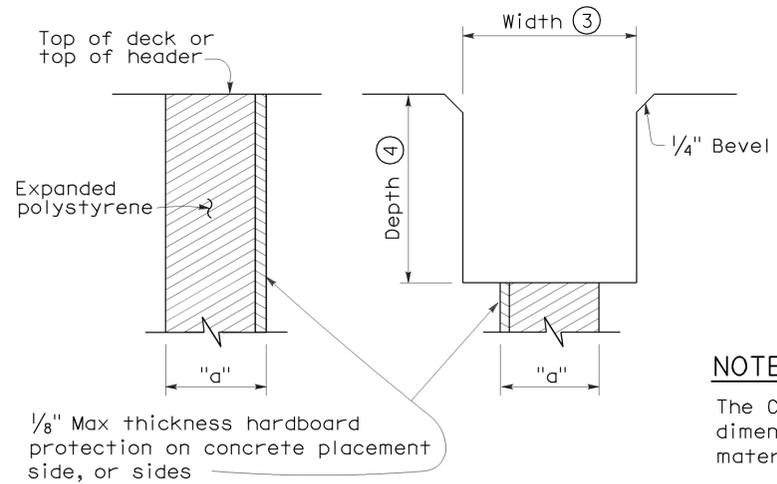


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



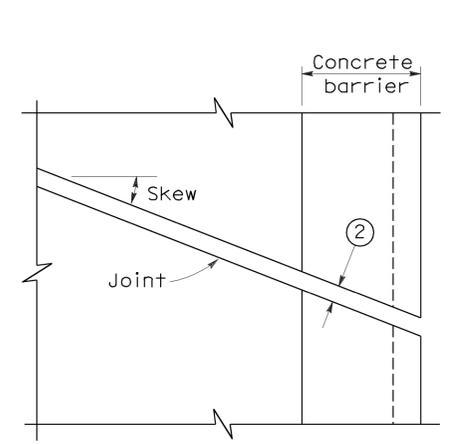
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

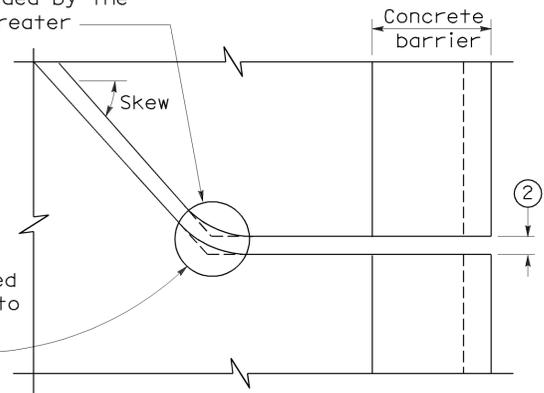
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



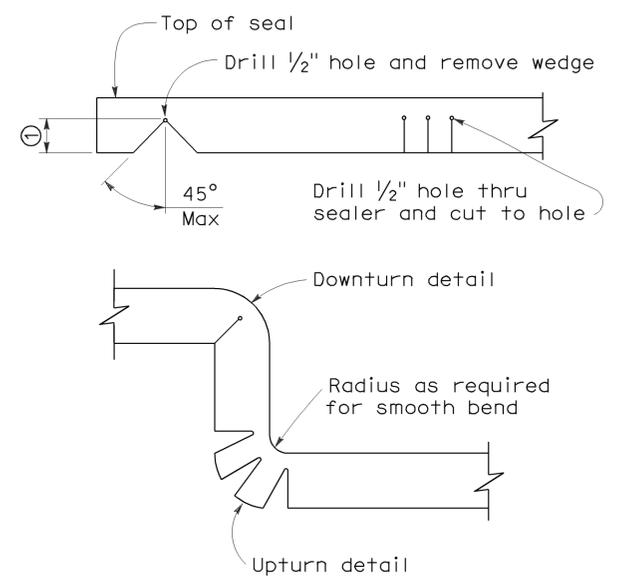
PLAN OF JOINT (SKEW ≤ 20°)

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



PLAN OF JOINT (SKEW > 20°)

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



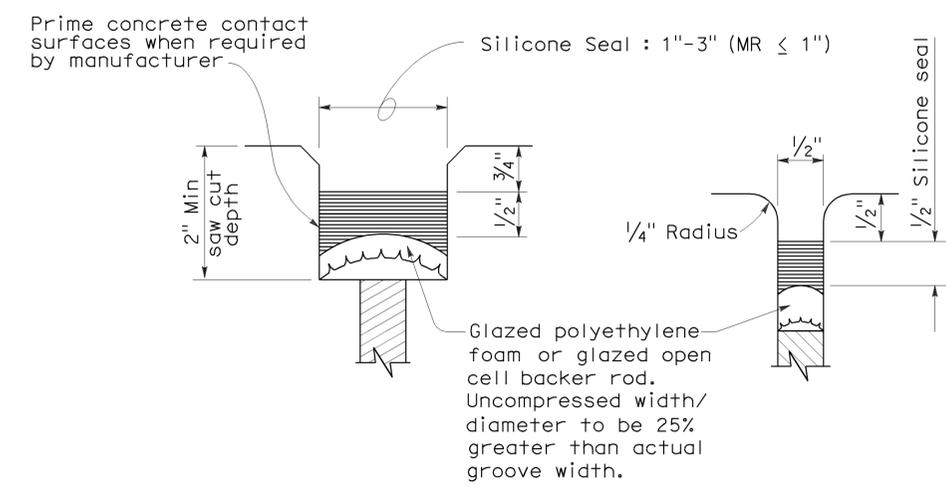
DETAIL A

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

DIMENSIONS "a" OF JOINT REQUIRED

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

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

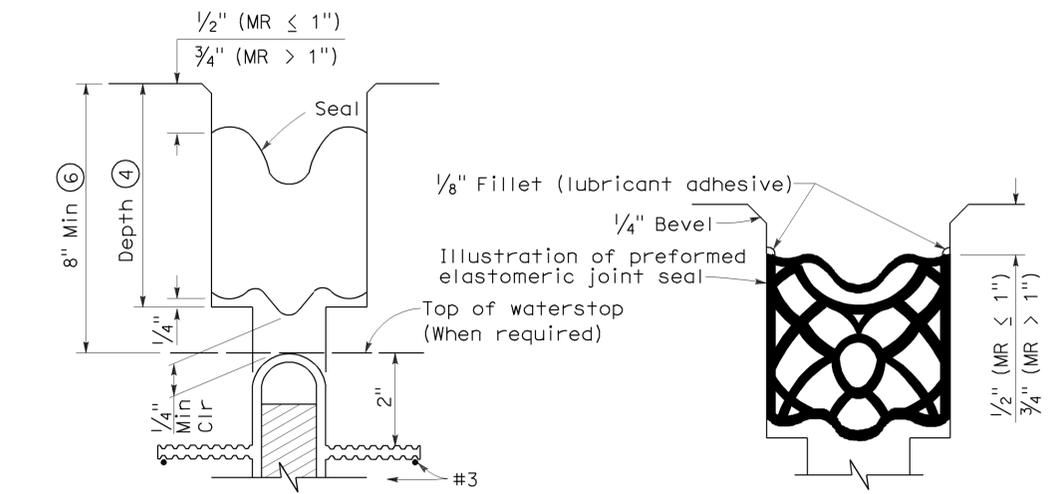


TYPE A SEAL

Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W₂)

TYPE B SEAL

Movement Rating ≤ 2"

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110,134	Var	19	33

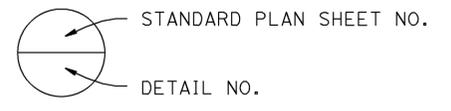
REGISTERED CIVIL ENGINEER DATE 07/08/11
 11/14/11
 PLANS APPROVAL DATE
 Vinh Duc L. Dang
 No. C65096
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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	GENERAL PLAN NO. 9
10	MISCELLANEOUS DETAILS NO. 1
11	MISCELLANEOUS DETAILS NO. 2
12	MISCELLANEOUS DETAILS NO. 3
13	MISCELLANEOUS DETAILS NO. 4
14	MISCELLANEOUS DETAILS NO. 5
15	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")



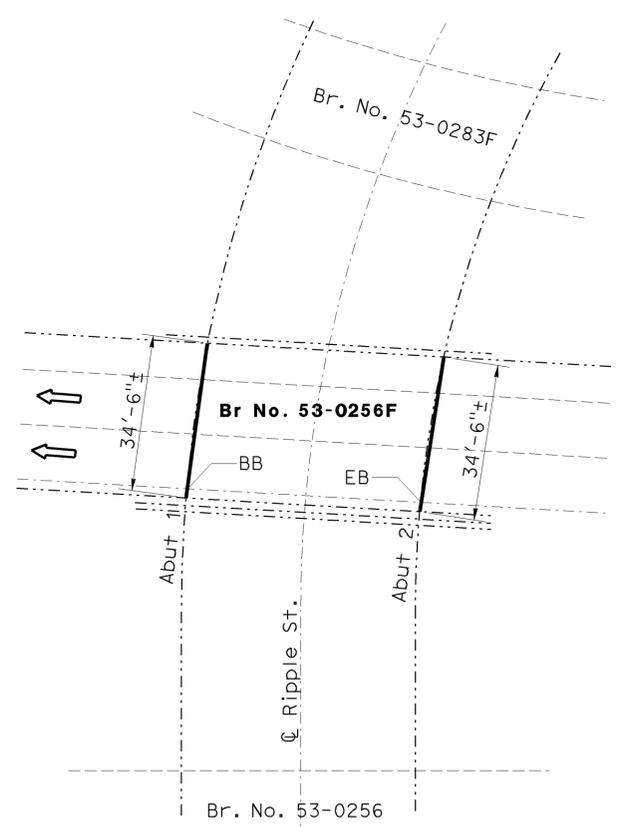
LEGEND:

- 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 with Unsound Concrete and Rapid Setting Concrete (Patch).
- ▨ Indicates limits of remove existing PCC slabs and construct new structure approach slabs.
- 00+00 [W-1] Indicates location of clean out existing deck drains. See "DECK DRAINS TABLE" and "MISCELLANEOUS DETAILS NO. 3" sheet.

LOS ANGELES RIVER BRIDGE NO. 53-0255

QUANTITIES

REMOVE UNSOUND CONCRETE	2	CF
CLEAN BRIDGE DECK DRAINS	50	LF
BRIDGE REMOVAL (PORTION)	LUMP	SUM
AGGREGATE BASE (APPROACH SLAB)	2	CY
STRUCTURAL CONCRETE, BRIDGE	2	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	14	CY
PAVING NOTCH EXTENSION	9	CF
CLEAN EXPANSION JOINT	152	LF
RAPID SETTING CONCRETE (PATCH)	2	CF
JOINT SEAL (MR 1/2")	164	LF

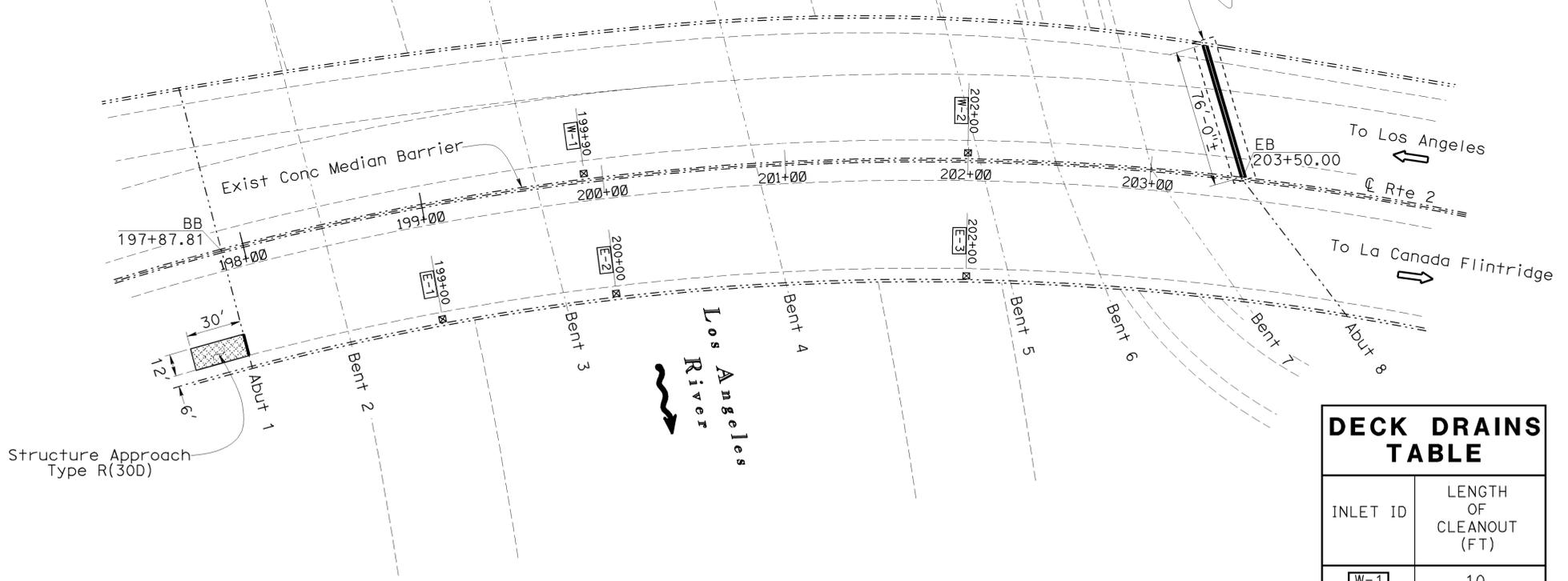


RIPPLE STREET UC

Br No. 53-0256F, Rte 2, PM 15.32
1" = 20'



RIPPLE ST UC



LOS ANGELES RIVER

Br No. 53-0255, Rte 2, PM 15.52
1" = 40'



QUANTITIES

REMOVE UNSOUND CONCRETE	2	CF
CLEAN EXPANSION JOINT	69	LF
RAPID SETTING CONCRETE (PATCH)	2	CF
JOINT SEAL (MR 1/2")	69	LF

Indicates location of repair top of existing backwall prior to joint seal installation. See "BACKWALL REPAIR DETAILS" on "MISCELLANEOUS DETAILS NO. 3" sheet.

DECK DRAINS TABLE

INLET ID	LENGTH OF CLEANOUT (FT)
W-1	10
W-2	10
E-1	10
E-2	10
E-3	10

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 Vinh Dang	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
	DETAILS	BY Tom Dang	CHECKED Vinh Dang	LAYOUT	BY Vinh Dang
	QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Jennifer Ramirez

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 2, 110, 134 BRIDGES
GENERAL PLAN NO. 1

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT: 07606
PROJECT NUMBER & PHASE: 0700020053

CONTRACT NO.: 4Y9101

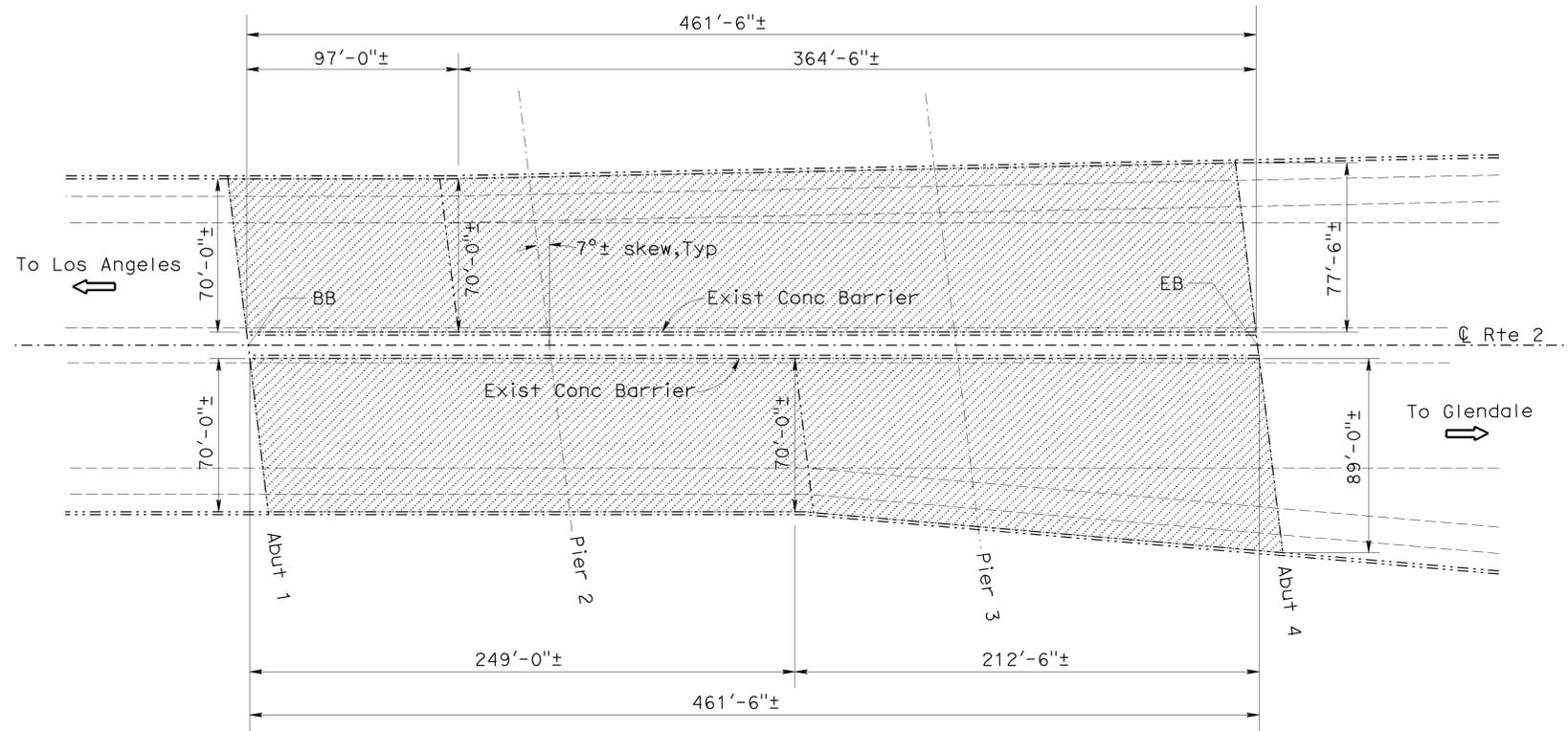
DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
2/2/11 3/29/11 4/28/11 4/26/11	1	15

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110,134	Var	20	33
<i>Vinh Dang</i> 07/08/11 REGISTERED CIVIL ENGINEER DATE					
11/14/11				PLANS APPROVAL DATE	
<i>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.</i>					

LEGEND:

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



TAYLOR YARD OH

Br No. 53-1039, Rte 2, PM 15.81
1" = 40'



TAYLOR YARD OH

BRIDGE NO. 53-1039

QUANTITIES

REMOVE UNSOUND CONCRETE	170	CF
CLEAN BRIDGE DECK	6,800	SQFT
RAPID SETTING CONCRETE (PATCH)	170	CF
PUBLIC SAFETY PLAN	LUMP	SUM
TREAT BRIDGE DECK	6,800	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	850	GAL

NOTE:
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TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Vinh Dang	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY Tom Dang	CHECKED Vinh Dang	LAYOUT	BY Vinh Dang
QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Jennifer Ramirez

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

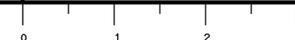
DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	Various
POST MILE	Varies

ROUTE 2, 110, 134 BRIDGES
GENERAL PLAN NO. 2

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 07606
PROJECT NUMBER & PHASE: 0700020053

CONTRACT NO.: 4Y9101

DISREGARD PRINTS BEARING EARLIER REVISION DATES

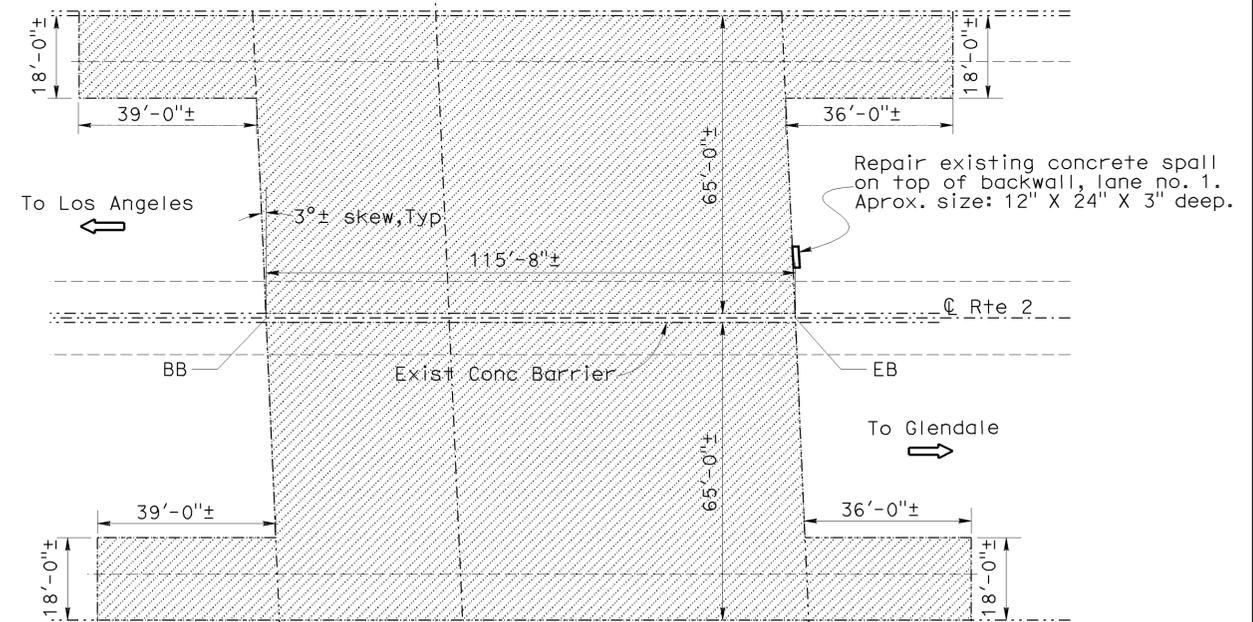
REVISION DATES	SHEET	OF
2/24/11 3/29/11 4/28/11 4/26/11	2	15

SAN FERNANDO ROAD UC

BRIDGE NO. 53-0743

QUANTITIES

REMOVE UNSOUND CONCRETE	45	CF
CLEAN BRIDGE DECK	17,740	SQFT
RAPID SETTING CONCRETE (PATCH)	45	CF
PUBLIC SAFETY PLAN	LUMP	SUM
TREAT BRIDGE DECK	17,740	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	222	GAL



SAN FERNANDO ROAD UC

Br No. 53-0743, Rte 2, PM 16.02
1" = 20'



USERNAME => s129239 DATE PLOTTED => 11-OCT-2011 TIME PLOTTED => 07:31

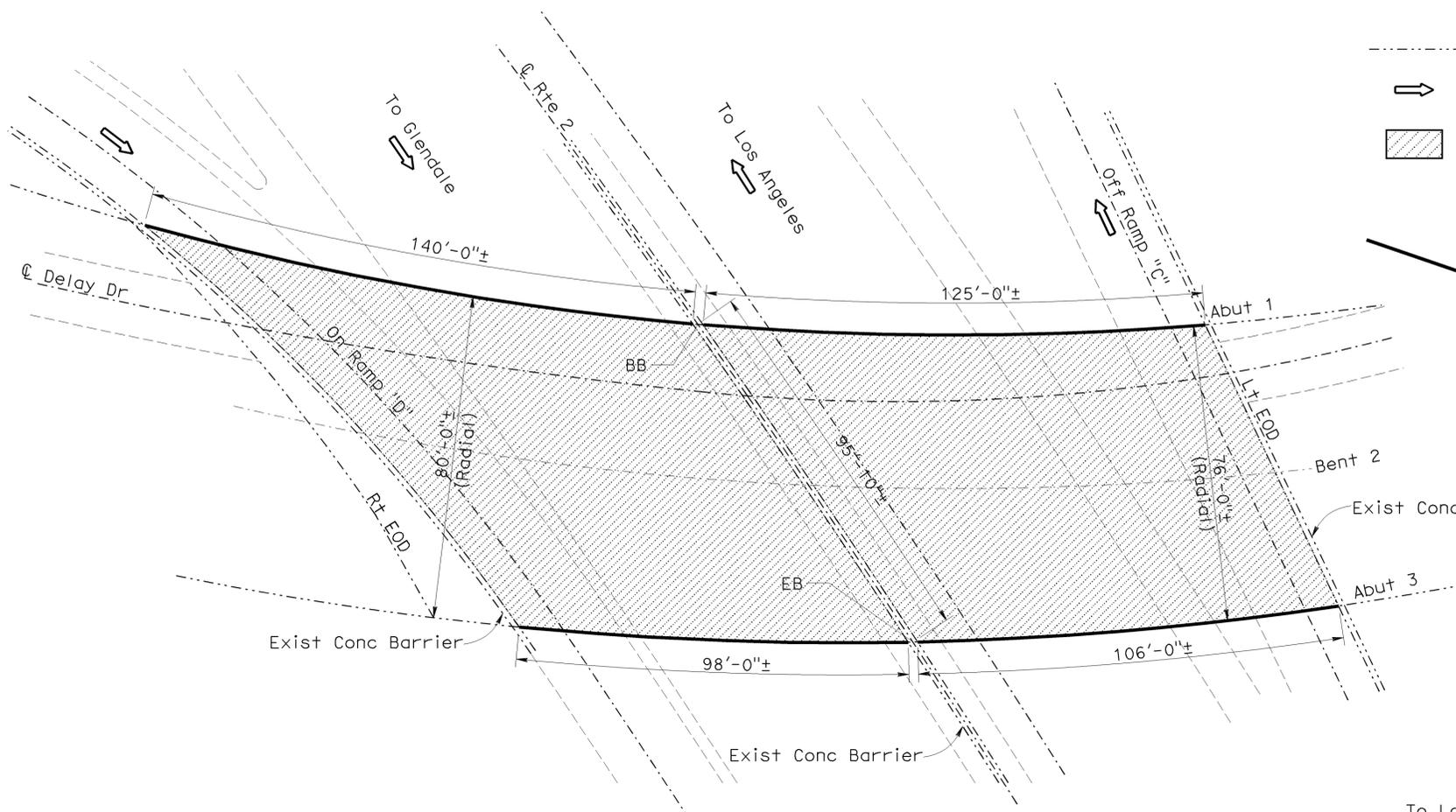
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110,134	Var	21	33

07/08/11
 REGISTERED CIVIL ENGINEER DATE
 11/14/11
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 VINH DUC L. DANG
 No. C65096
 Exp. 09/30/11
 CIVIL
 STATE OF CALIFORNIA

LEGEND:

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- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint with Unsound Concrete and Rapid Setting Concrete (Patch).



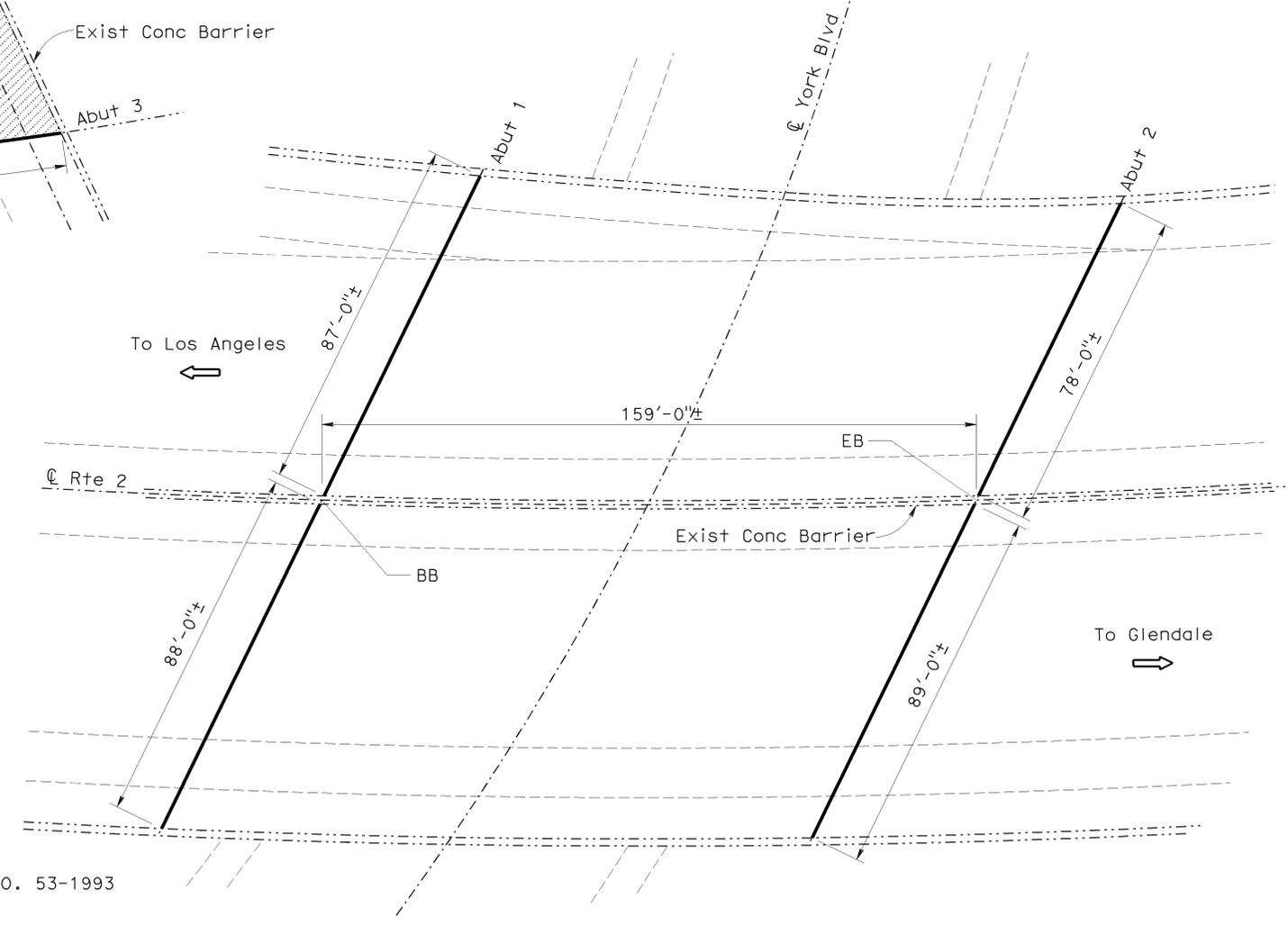
DELAY DRIVE OH BRIDGE NO. 53-1040

QUANTITIES

REMOVE UNSOUND CONCRETE	50	CF
CLEAN BRIDGE DECK	18,300	SQFT
CLEAN EXPANSION JOINT	469	LF
RAPID SETTING CONCRETE (PATCH)	50	CF
PUBLIC SAFETY PLAN	LUMP	SUM
JOINT SEAL (MR 1/2")	469	LF
TREAT BRIDGE DECK	18,300	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	229	GAL

DELAY DRIVE OH

Br No. 53-1040, Rte 2, PM 16.12
 1" = 20'



YORK BLVD UC BRIDGE NO. 53-1993

QUANTITIES

REMOVE UNSOUND CONCRETE	2	CF
CLEAN EXPANSION JOINT	342	LF
RAPID SETTING CONCRETE (PATCH)	2	CF
JOINT SEAL (MR 1")	342	LF

YORK BLVD UC

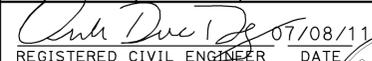
Br No. 53-1993, Rte 2, PM R17.29
 1" = 20'



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.

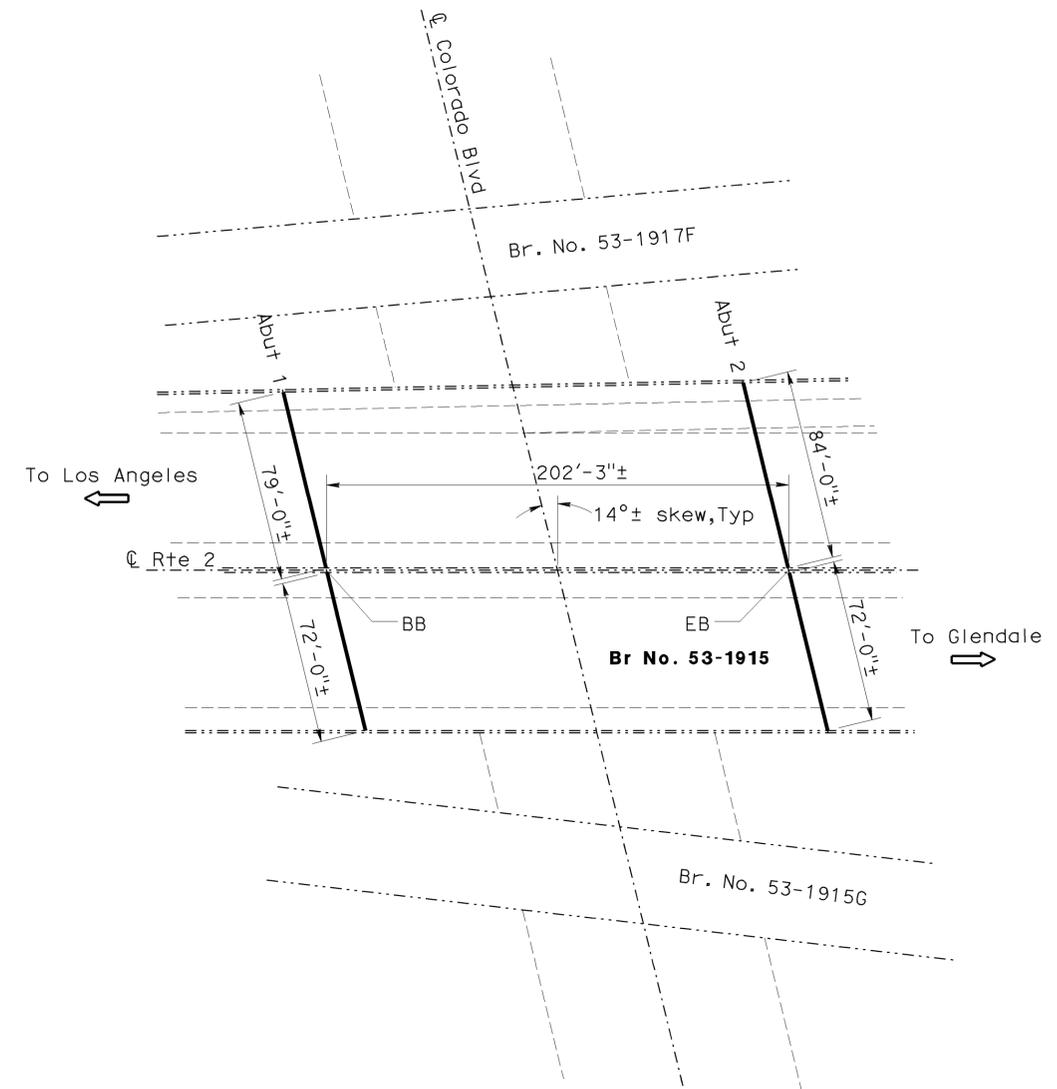
DESIGN	BY Vinh Dang	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY Tom Dang	CHECKED Vinh Dang	LAYOUT	BY Vinh Dang
QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Jennifer Ramirez

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE	BRIDGE NO.	ROUTE 2, 110, 134 BRIDGES GENERAL PLAN NO. 3
	STRUCTURE MAINTENANCE DESIGN	Various	
		POST MILE	
		Varies	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110,134	Var	22	33
 REGISTERED CIVIL ENGINEER DATE 07/08/11					
11/14/11 PLANS APPROVAL DATE					
					
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- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint with Unsound Concrete and Rapid Setting Concrete (Patch).



COLORADO BLVD UC

Br No. 53-1915, Rte 2, PM R18.52
1" = 40'



COLORADO BLVD UC

BRIDGE NO. 53-1915

QUANTITIES

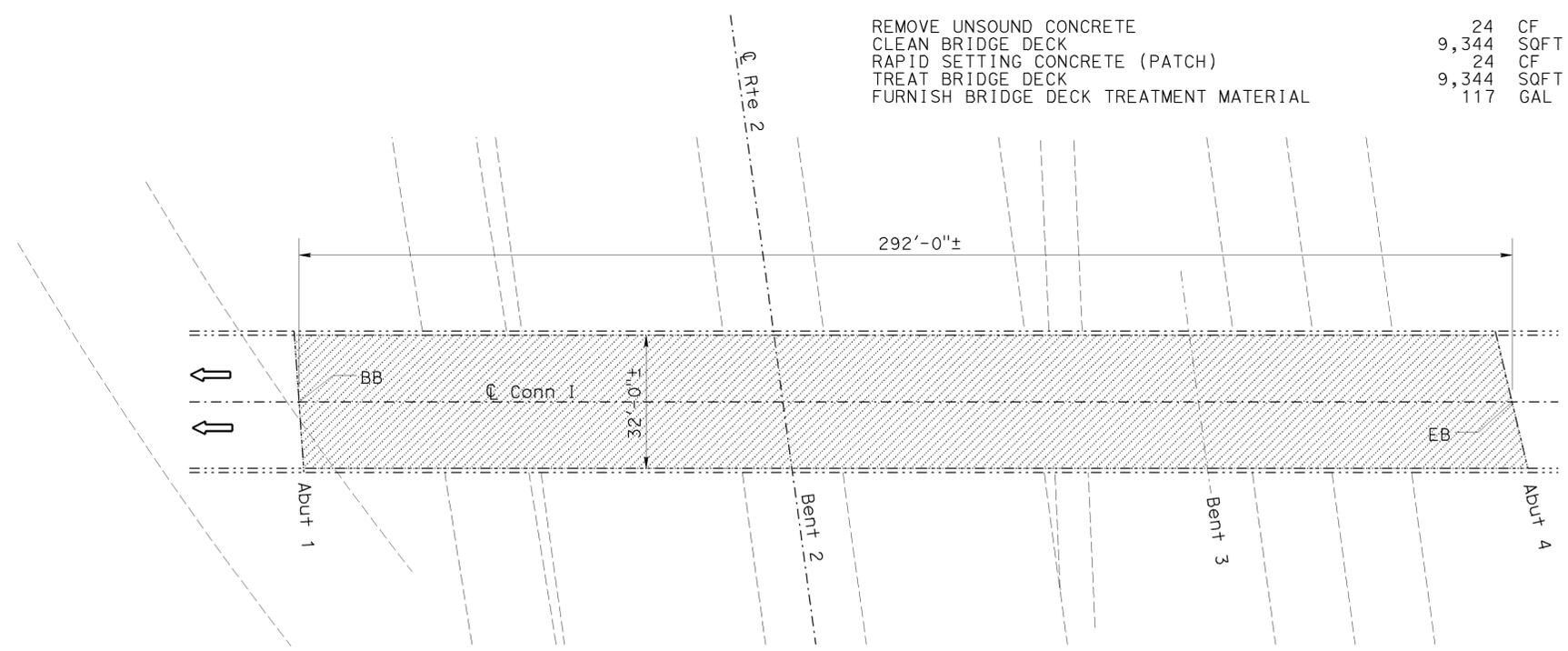
REMOVE UNSOUND CONCRETE	2	CF
CLEAN EXPANSION JOINT	307	LF
RAPID SETTING CONCRETE (PATCH)	2	CF
JOINT SEAL (MR 1")	307	LF

E2-W134 CONNECTOR OC

BRIDGE NO. 53-1920G

QUANTITIES

REMOVE UNSOUND CONCRETE	24	CF
CLEAN BRIDGE DECK	9,344	SQFT
RAPID SETTING CONCRETE (PATCH)	24	CF
TREAT BRIDGE DECK	9,344	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	117	GAL



E2-W134 CONNECTOR OC

Br No. 53-1920G, Rte 2, PM R18.82
1" = 20'



NOTE:
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TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Vinh Dang	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	ROUTE 2, 110, 134 BRIDGES GENERAL PLAN NO. 4				
	DETAILS	BY Tom Dang	CHECKED Vinh Dang	LAYOUT	BY Vinh Dang		CHECKED Hong Tien Tran		Various			
	QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Jennifer Ramirez		PLANS AND SPECS COMPARED Jennifer Ramirez		Varies			
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: 07606 PROJECT NUMBER & PHASE: 0700020053	CONTRACT NO.: 4Y9101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 4 OF 15

USERNAME => s129239 DATE PLOTTED => 11-OCT-2011 TIME PLOTTED => 07:31

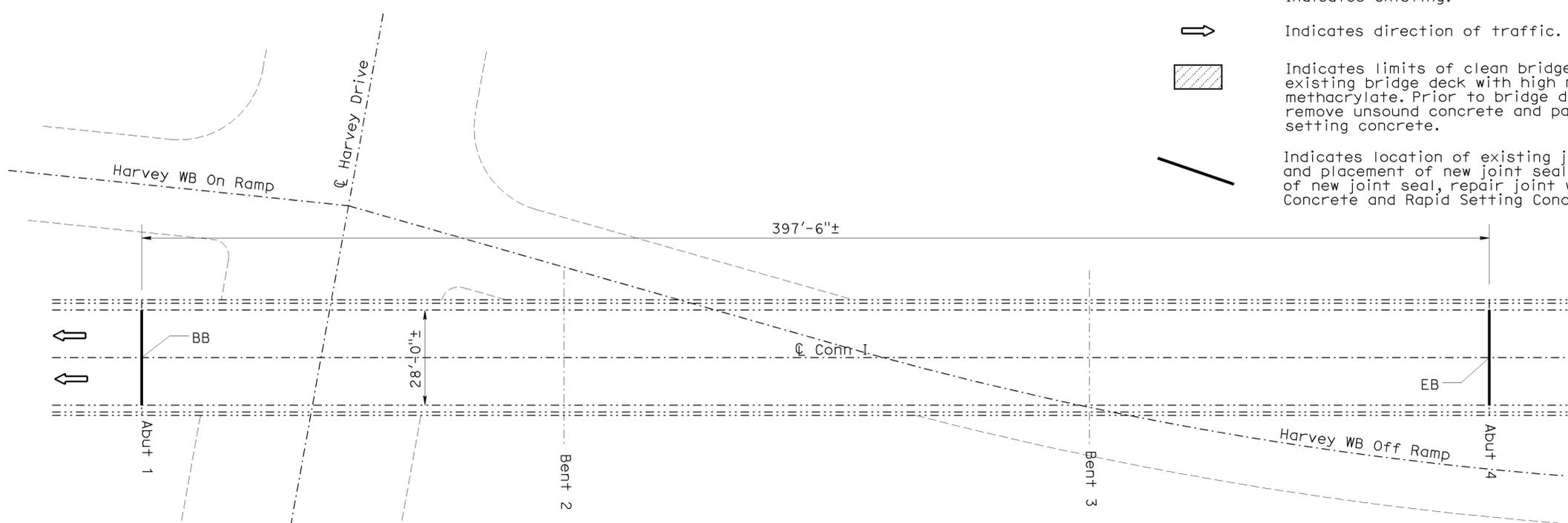
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110,134	Var	23	33

07/08/11
 REGISTERED CIVIL ENGINEER DATE
 11/14/11
 PLANS APPROVAL DATE
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LEGEND:

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- ▨ Indicates limits of clean bridge deck 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 with Unsound Concrete and Rapid Setting Concrete (Patch).



HARVEY DRIVE UC

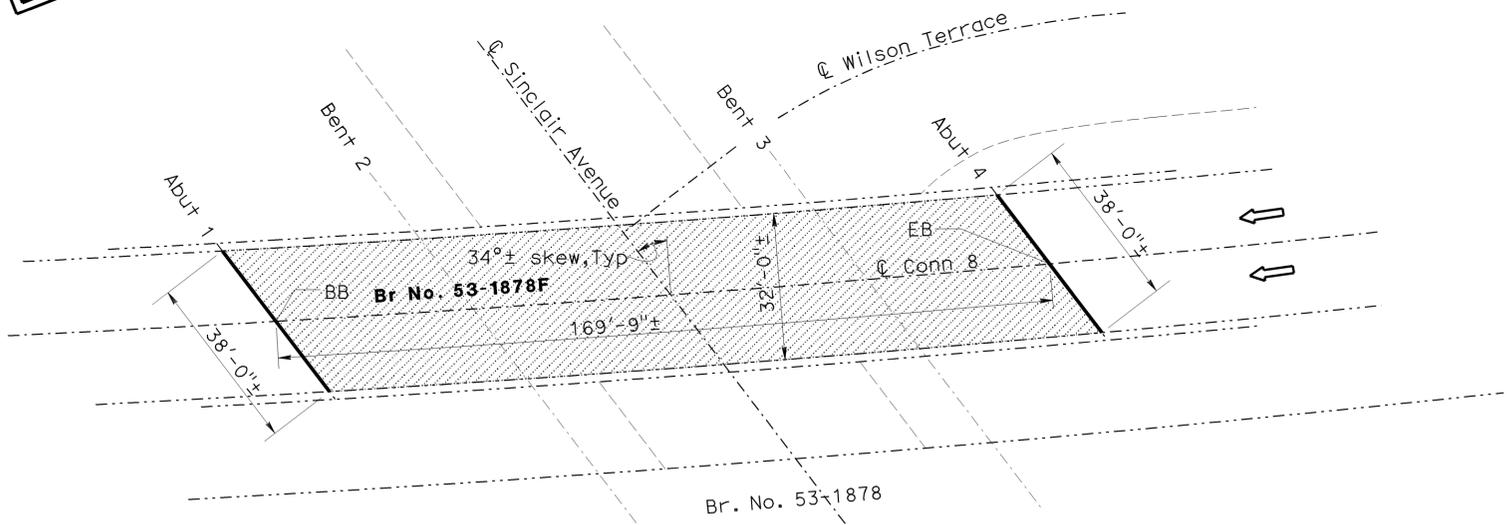
Br No. 53-1884G, Rte 2, PM R18.83
1" = 20'



HARVEY DRIVE UC BRIDGE NO. 53-1884G

QUANTITIES

REMOVE UNSOUND CONCRETE	2	CF
CLEAN EXPANSION JOINT	56	LF
RAPID SETTING CONCRETE (PATCH)	2	CF
JOINT SEAL (MR 1 1/2")	56	LF



SINCLAIR AVENUE UC

BRIDGE NO. 53-1878F

QUANTITIES

REMOVE UNSOUND CONCRETE	15	CF
CLEAN BRIDGE DECK	5,435	SQFT
CLEAN EXPANSION JOINT	76	LF
RAPID SETTING CONCRETE (PATCH)	15	CF
PUBLIC SAFETY PLAN	LUMP	SUM
JOINT SEAL (MR 1")	76	LF
TREAT BRIDGE DECK	5,435	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	68	GAL

SINCLAIR AVENUE UC

Br No. 53-1878F, Rte 2, PM R18.94
1" = 20'



NOTE:
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TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Vinh Dang	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE	BRIDGE NO.	ROUTE 2, 110, 134 BRIDGES GENERAL PLAN NO. 5
	DETAILS	BY Tom Dang	CHECKED Vinh Dang	LAYOUT	BY Vinh Dang		CHECKED Hong Tien Tran	STRUCTURE MAINTENANCE DESIGN	
	QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Jennifer Ramirez	CHECKED Jennifer Ramirez	Varies	POST MILE	

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT: 07606	PROJECT NUMBER & PHASE: 0700020053	CONTRACT NO.: 4Y9101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF
				2/24/11 3/29/11 4/28/11 4/26/11	5	15

FILE => 07-4y9101-a-gp05.dgn

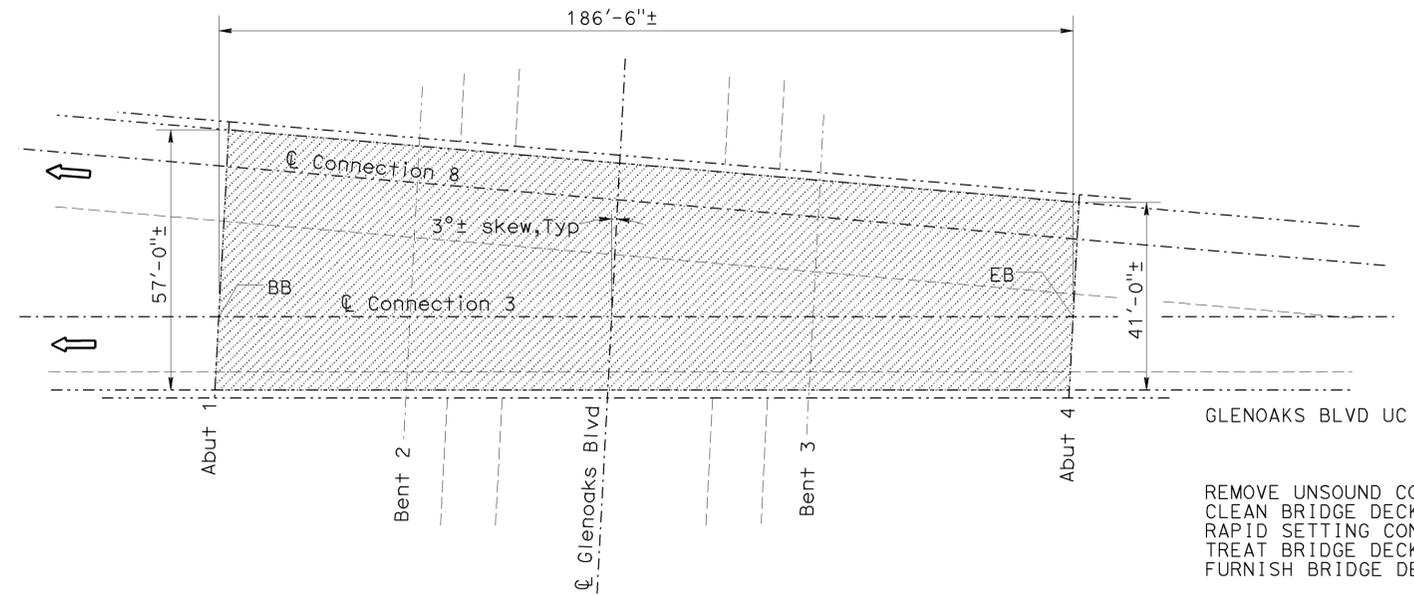
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110,134	Var	24	33

07/08/11
 REGISTERED CIVIL ENGINEER DATE
 11/14/11
 PLANS APPROVAL DATE
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LEGEND:

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- /— Indicates location of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint with Unsound Concrete and Rapid Setting Concrete (Patch).

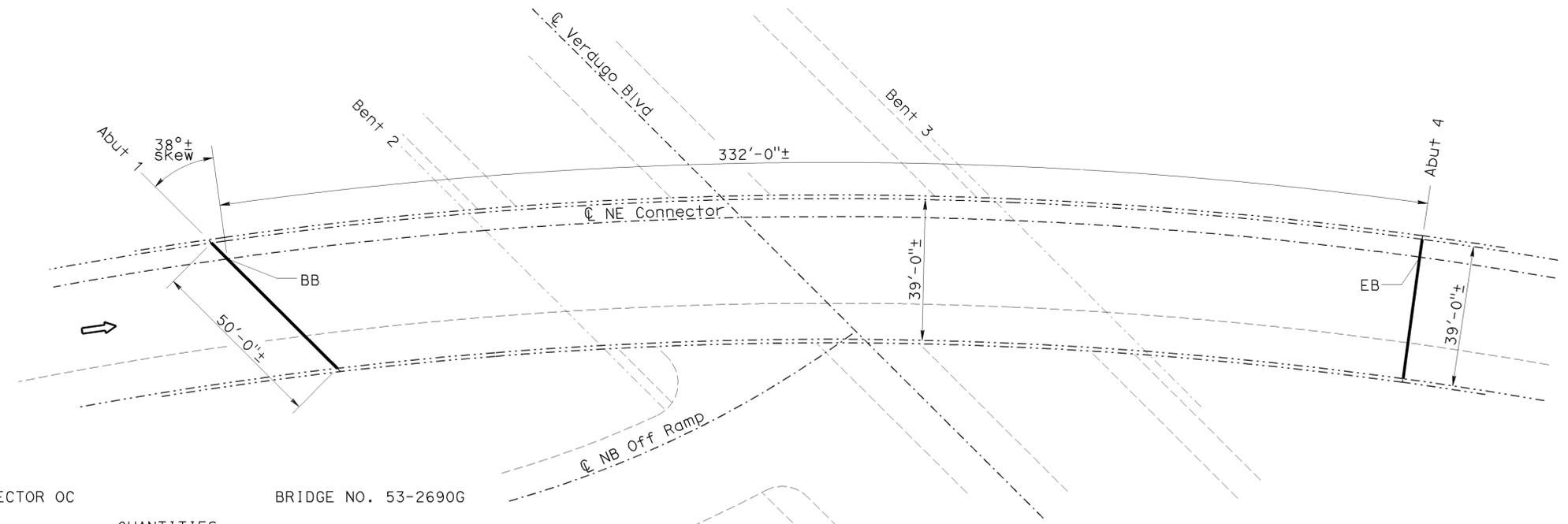


GLENOAKS BLVD UC
 Br No. 53-1967F, Rte 2, PM R19.18
 1" = 20'

GLENOAKS BLVD UC BRIDGE NO. 53-1967F

QUANTITIES

REMOVE UNSOUND CONCRETE	23	CF
CLEAN BRIDGE DECK	9,140	SQFT
RAPID SETTING CONCRETE (PATCH)	23	CF
TREAT BRIDGE DECK	9,140	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	115	GAL



E2-E210 CONNECTOR OC
 BRIDGE NO. 53-2690G

QUANTITIES

REMOVE UNSOUND CONCRETE	2	CF
CLEAN EXPANSION JOINT	89	LF
RAPID SETTING CONCRETE (PATCH)	2	CF
JOINT SEAL (MR 1 1/2")	89	LF

E2-E210 CONNECTOR OC
 Br No. 53-2690G, Rte 2, PM R23.00
 1" = 20'

NOTE:
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TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Vinh Dang	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
	DETAILS	BY Tom Dang	CHECKED Vinh Dang	LAYOUT	BY Vinh Dang
	QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Jennifer Ramirez

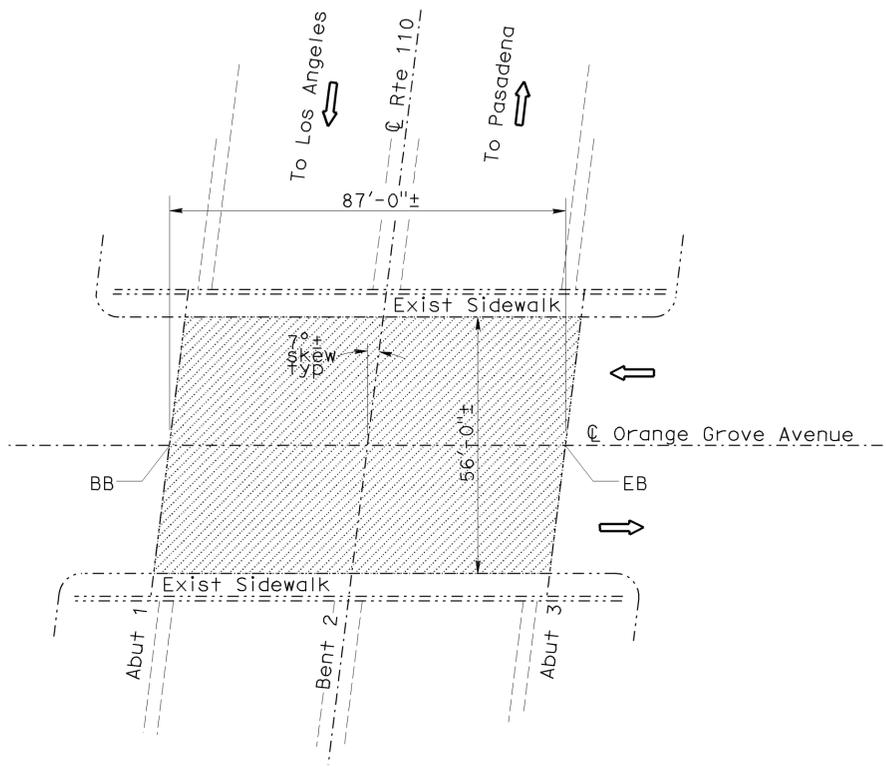
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE	BRIDGE NO.	ROUTE 2, 110, 134 BRIDGES GENERAL PLAN NO. 6
	STRUCTURE MAINTENANCE DESIGN	Various	
		Varies	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110,134	Var	25	33
07/08/11 REGISTERED CIVIL ENGINEER DATE 11/14/11 PLANS APPROVAL DATE The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



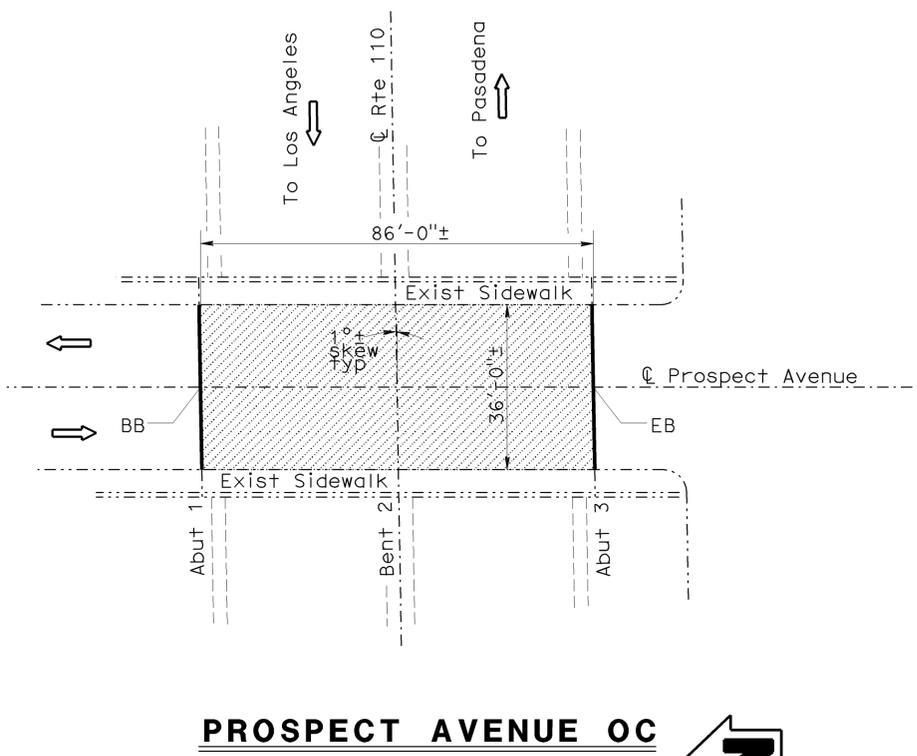
LEGEND:

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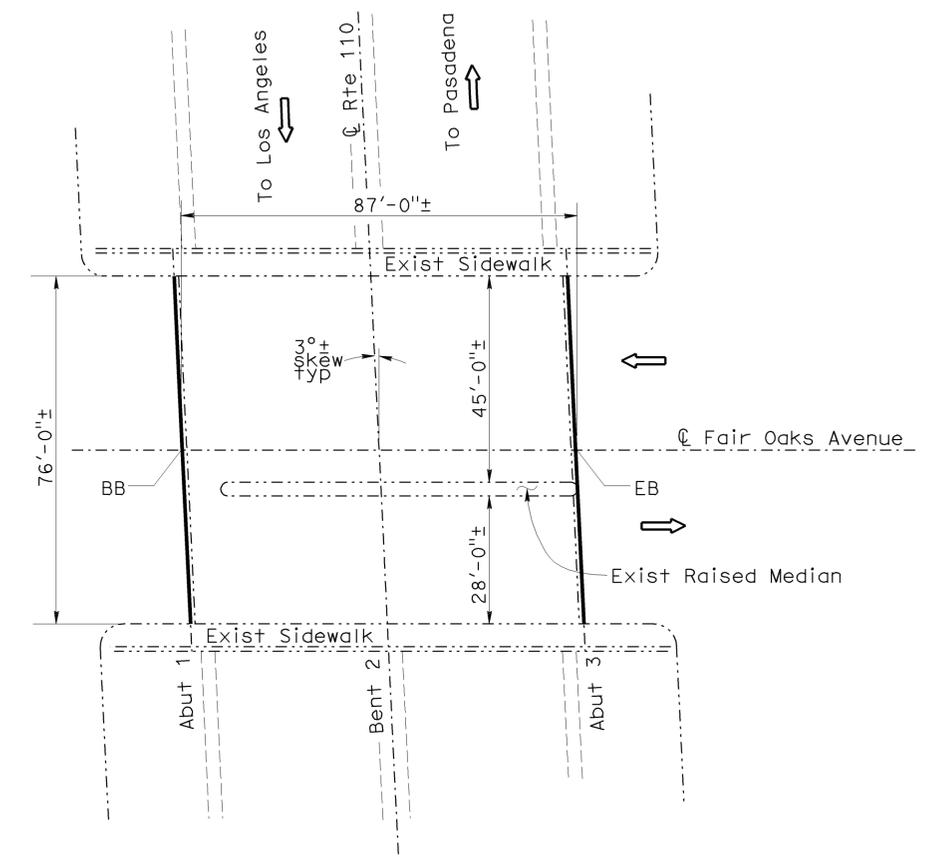
ORANGE GROVE AVENUE OC

Br No. 53-0435, Rte 110, PM 30.59
1" = 20'



PROSPECT AVENUE OC

Br No. 53-0436, Rte 110, PM 30.70
1" = 20'



FAIR OAKS AVENUE OC

Br No. 53-0440, Rte 110, PM 31.17
1" = 20'

ORANGE GROVE AVENUE OC BRIDGE NO. 53-0435

QUANTITIES

REMOVE UNSOUND CONCRETE	13	CF
CLEAN BRIDGE DECK	4,875	SQFT
RAPID SETTING CONCRETE (PATCH)	13	CF
PUBLIC SAFETY PLAN	LUMP	SUM
TREAT BRIDGE DECK	4,875	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	61	GAL

PROSPECT AVENUE OC BRIDGE NO. 53-0436

QUANTITIES

REMOVE UNSOUND CONCRETE	9	CF
CLEAN BRIDGE DECK	3,100	SQFT
CLEAN EXPANSION JOINT	72	LF
RAPID SETTING CONCRETE (PATCH)	9	CF
PUBLIC SAFETY PLAN	LUMP	SUM
JOINT SEAL (MR 1/2")	72	LF
TREAT BRIDGE DECK	3,100	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	39	GAL

FAIR OAKS AVENUE OC BRIDGE NO. 53-0440

QUANTITIES

REMOVE UNSOUND CONCRETE	2	CF
CLEAN EXPANSION JOINT	152	LF
RAPID SETTING CONCRETE (PATCH)	2	CF
JOINT SEAL (MR 1/2")	152	LF

NOTE:
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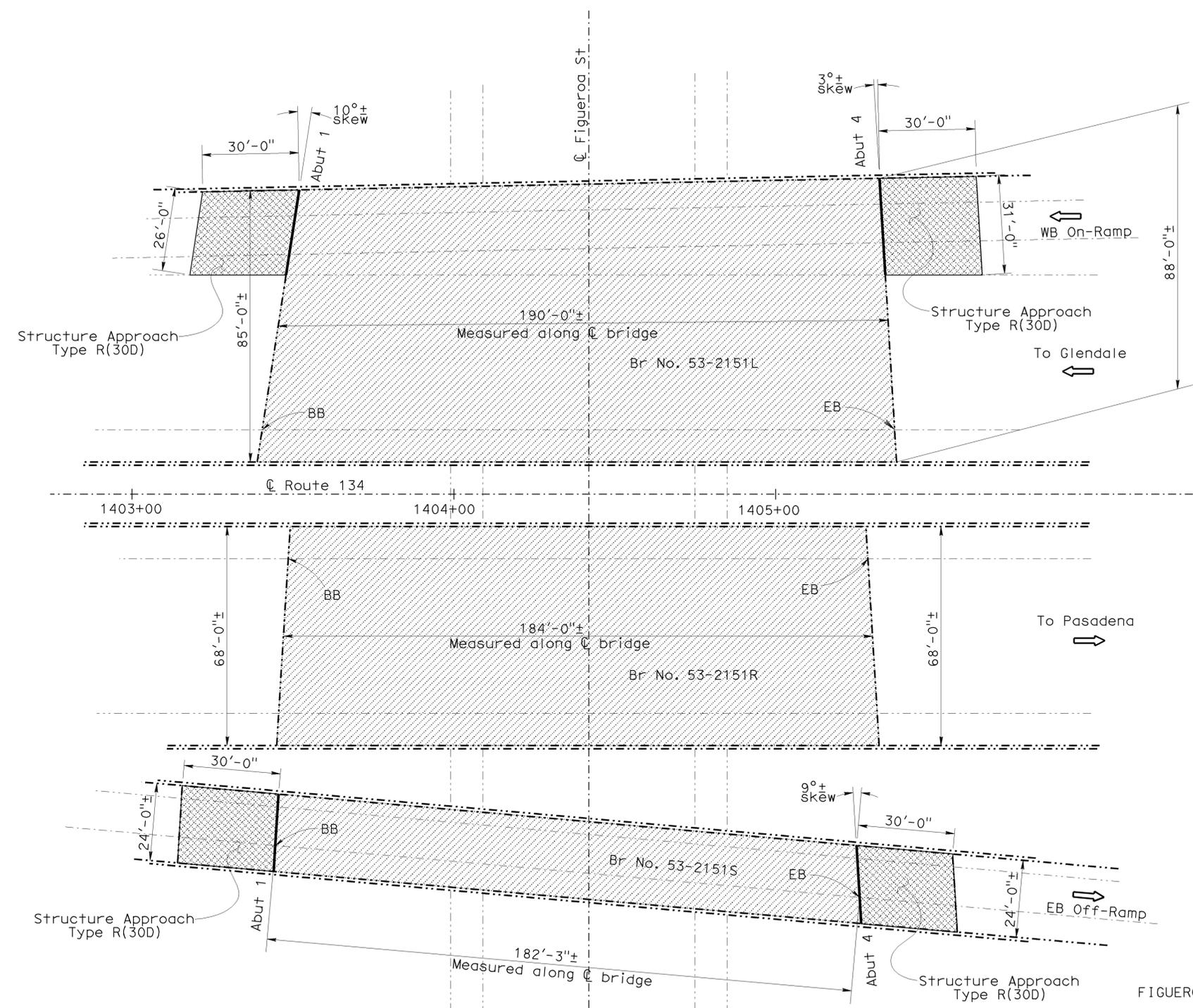
DESIGN	BY Vinh Dang	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY Tom Dang	CHECKED Vinh Dang	LAYOUT	BY Vinh Dang
QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Jennifer Ramirez

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

ROUTE 2, 110, 134 BRIDGES
GENERAL PLAN NO. 7

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110,134	Var	26	33

07/08/11
 REGISTERED CIVIL ENGINEER DATE
 11/14/11
 PLANS APPROVAL DATE
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LEGEND:

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- ▩ Indicates limits of remove existing PCC slabs and construct new structure approach slabs.
- /— Indicates location of placement of new joint seal.

FIGUEROA STREET UC

Br No. 53-2151R/L/S, Rte 134, PM R11.44
1" = 20'



FIGUEROA STREET UC BRIDGE NO. 53-2151R/L/S

QUANTITIES

REMOVE UNSOUND CONCRETE	84	CF
CLEAN BRIDGE DECK	33,321	SQFT
AGGREGATE BASE (APPROACH SLAB)	12	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	117	CY
PAVING NOTCH EXTENSION	79	CF
RAPID SETTING CONCRETE (PATCH)	84	CF
PUBLIC SAFETY PLAN	LUMP	SUM
JOINT SEAL (MR 1")	106	LF
TREAT BRIDGE DECK	33,321	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	418	GAL

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 Vinh Dang	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY Tom Dang	CHECKED Vinh Dang	LAYOUT	BY Vinh Dang
QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Jennifer Ramirez

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

**ROUTE 2, 110, 134 BRIDGES
GENERAL PLAN NO. 8**

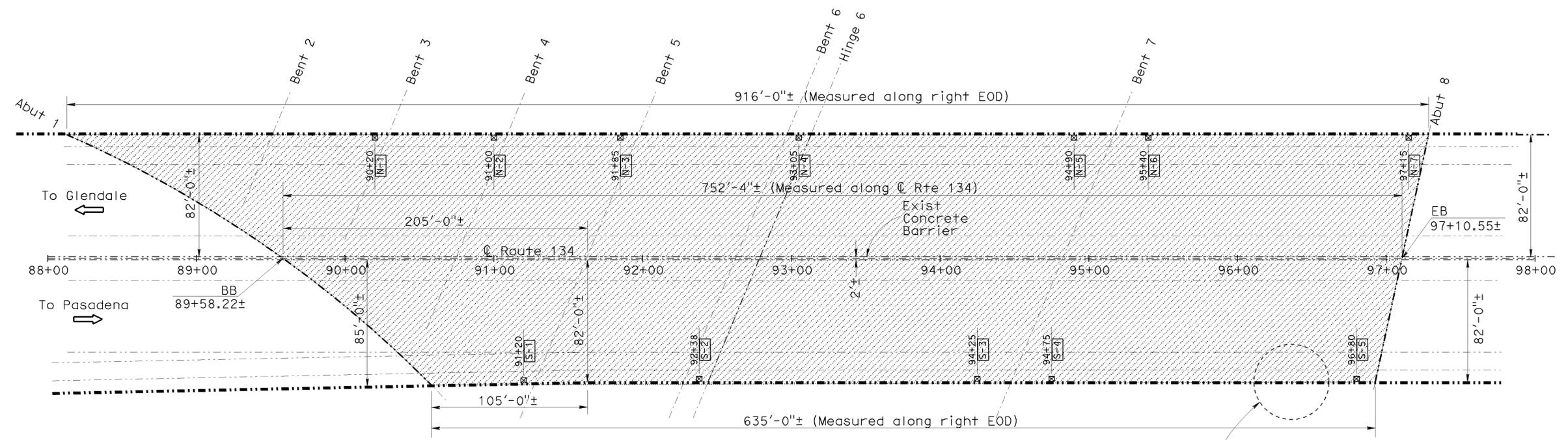
LEGEND:

- Indicates existing.
- ➔ Indicates direction of traffic.
- ▨ Indicates limits of clean bridge deck and treat existing bridge deck with high molecular weight methacrylate. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.
- 00+00
[N-1] Indicates location of clean out existing deck drains. See "DECK DRAINS TABLE" and "MISCELLANEOUS DETAILS NO. 4" sheet.

ROUTE 134, 210/710, 210 SEP BRIDGE NO. 53-2317

QUANTITIES

REMOVE UNSOUND CONCRETE	314	CF
CLEAN BRIDGE DECK	125,520	SQFT
CLEAN BRIDGE DECK DRAINS	870	LF
RAPID SETTING CONCRETE (PATCH)	314	CF
TREAT BRIDGE DECK	125,520	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	1,569	GAL
MISCELLANEOUS METAL (BRIDGE)	281	LB



ROUTE 134, 210/ 710, 210 SEPARATION

Br No. 53-2317, Rte 134, PM R13.24
 1" = 40'



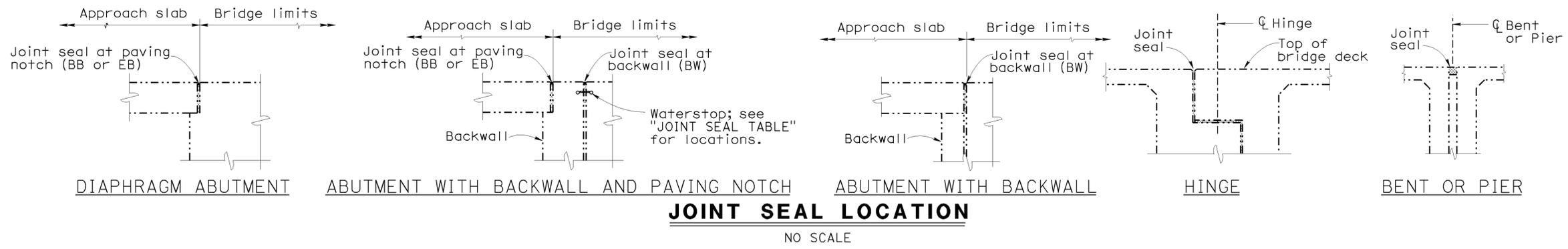
Location of remove and replace existing damaged Type 9 barrier rail section, see "MISCELLANEOUS DETAILS NO. 5" sheet.

DECK DRAINS TABLE

INLET ID	LENGTH OF CLEANOUT (FT)
[N-1]	55
[N-2]	55
[N-3]	70
[N-4]	70
[N-5]	100
[N-6]	100
[N-7]	15
[S-1]	80
[S-2]	110
[S-3]	100
[S-4]	100
[S-5]	15

NOTE:
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TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Vinh Dang	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	ROUTE 2, 110, 134 BRIDGES GENERAL PLAN NO. 9	
	DETAILS	BY Tom Dang	CHECKED Vinh Dang	LAYOUT	BY Vinh Dang		CHECKED Hong Tien Tran		Various
	QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Jennifer Ramirez	CHECKED Jennifer Ramirez	POST MILE		
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 07606 PROJECT NUMBER & PHASE: 0700020053	CONTRACT NO.: 4Y9101	DISREGARD PRINTS BEARING EARLIER REVISION DATES
								REVISION DATES	SHEET 9 OF 15

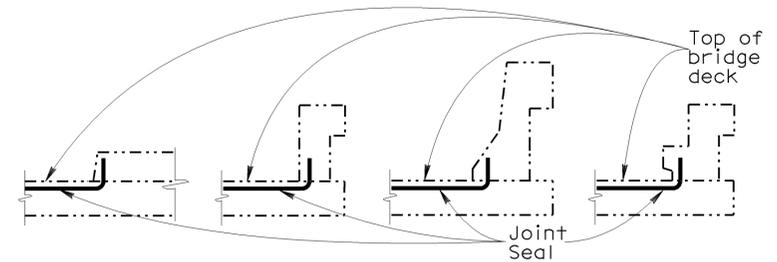


JOINT SEAL TABLE								
BRIDGE NAME	BRIDGE NUMBER	LOCATION	MINIMUM "MR" (INCHES)	APPROX LENGTH (FT)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)	REMOVE UNSOUND CONCRETE (CU FT)	RAPID SETTING CONCRETE (PATCH) (CU FT)
RIPPLE STREET UC	53-0256F	Abut 1	1/2	34.5	No	6	2	2
		Abut 2	1/2	34.5	No	6		
LOS ANGELES RIVER	53-0255	Abut 1 *	1/2	12	No	—	2	2
		Abut 8, PN	1/2	76	No	6		
		Abut 8, BW	1/2	76	Yes	6		
DELAY DRIVE OH	53-1040	Abut 1	1/2	265	No	6	2	2
		Abut 3	1/2	204	No	6		
YORK BLVD UC	53-1993	Abut 1	1	175	No	6	2	2
		Abut 2	1	167	No	6		
COLORADO BLVD UC	53-1915	Abut 1	1	151	No	6	2	2
		Abut 2	1	156	No	6		
HARVEY DRIVE UC	53-1884G	Abut 1	1 1/2	28	Yes	12	2	2
		Abut 4	1 1/2	28	Yes	12		
SINCLAIR AVENUE UC	53-1878F	Abut 1	1	38	No	6	2	2
		Abut 4	1	38	No	6		
E2-E210 CONNECTOR OC	53-2690G	Abut 1	1 1/2	50	Yes	12	2	2
		Abut 4	1 1/2	39	Yes	12		
PROSPECT AVENUE OC	53-0436	Abut 1	1/2	36	No	6	2	2
		Abut 3	1/2	36	No	6		
FAIR OAKS AVENUE OC	53-0440	Abut 1	1/2	76	No	6	2	2
		Abut 3	1/2	76	No	6		
FIGUEROA STREET UC	53-2151L	Abut 1*	1	26	No	—	2	2
		Abut 4*	1	31	No	—		
	53-2151S	Abut 1*	1	24	No	—	—	—
		Abut 4*	1	25	No	—		

* Indicates new approach slabs placement. Joint spall repair and cleaning not required.
 ** Indicates polyester overlay. Joint spall repair not required.

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 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.

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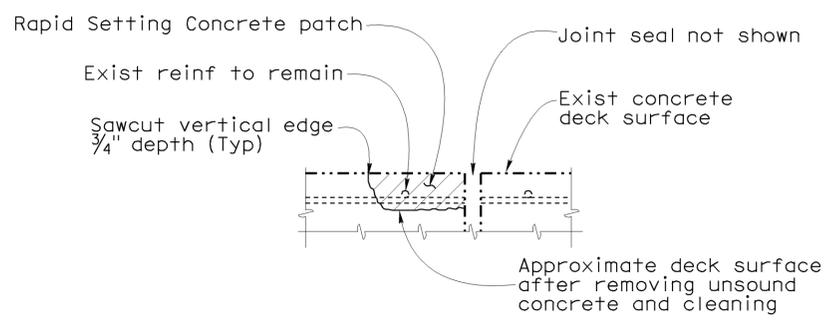
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110,134	Var	29	33
07/08/11 REGISTERED CIVIL ENGINEER DATE 11/14/11 PLANS APPROVAL DATE The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



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

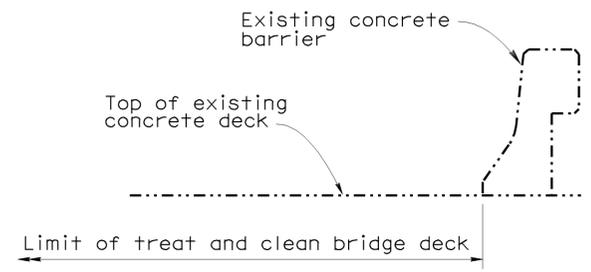
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (%)	APPROXIMATE DEPTH (INCHES)
TAYLOR YARD OH	53-1039	1	3
SAN FERNANDO ROAD UC	53-0743	1	3
DELAY DRIVE OH	53-1040	1	3
E2-W134 CONNECTOR OC	53-1920G	1	3
SINCLAIR AVENUE UC	53-1878F	1	3
GLENOAKS BLVD UC	53-1967F	1	3
ORANGE GROVE AVENUE OC	53-0435	1	3
PROSPECT AVENUE OC	53-0436	1	3
FIGUEROA STREET UC	53-2151R/L/S	1	3
ROUTE 134, 210/710, 210 SEPARATION	53-2317	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 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.

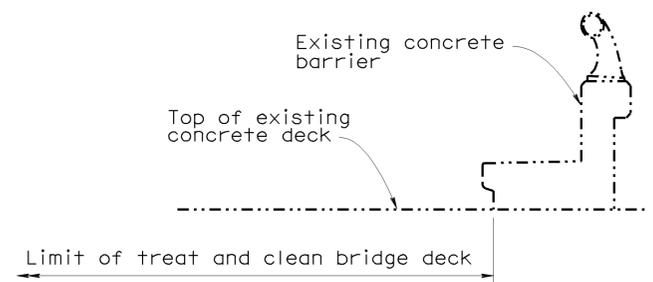


JOINT SPALL REPAIR DETAIL

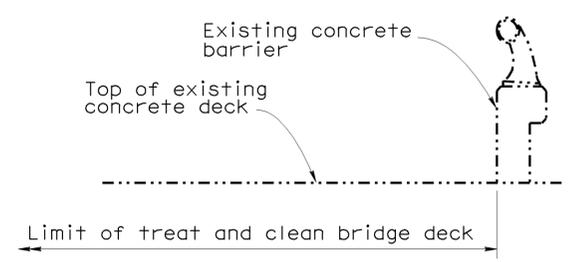
Location will be determined by the Engineer. Reinforcement may be encountered during deck concrete removal and is to remain undamaged.



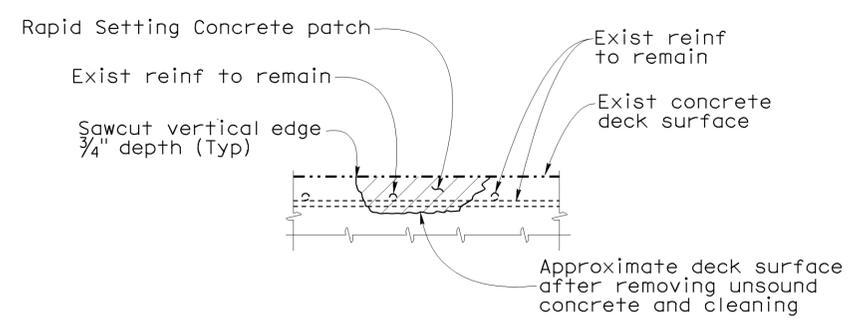
EOD BARRIER



SIDEWALK BARRIER TYPE 2

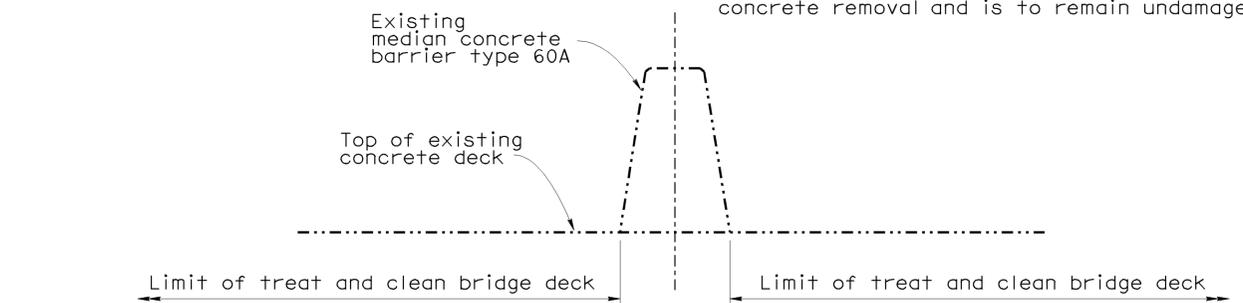


SIDEWALK BARRIER TYPE 1

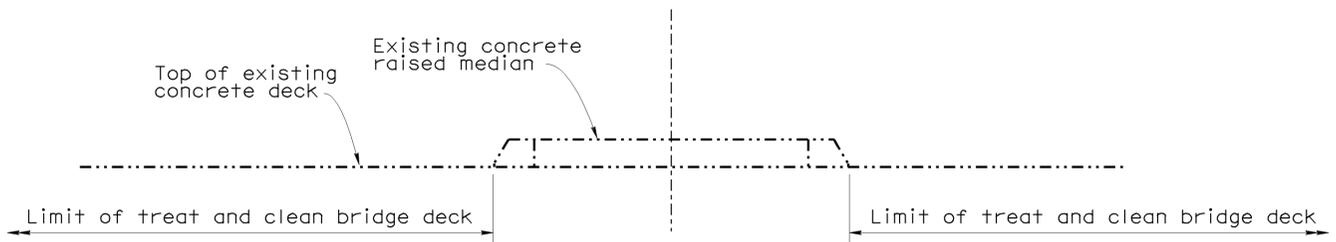


DECK DAMAGE REPAIR DETAIL

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



MEDIAN BARRIER



RAISED MEDIAN

TYPICAL LIMITS OF DECK WORK

NO SCALE

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TONY D. BRAKE

DESIGN	BY Vinh Dang	CHECKED Hong Tien Tran
DETAILS	BY Tom Dang	CHECKED Vinh Dang
QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

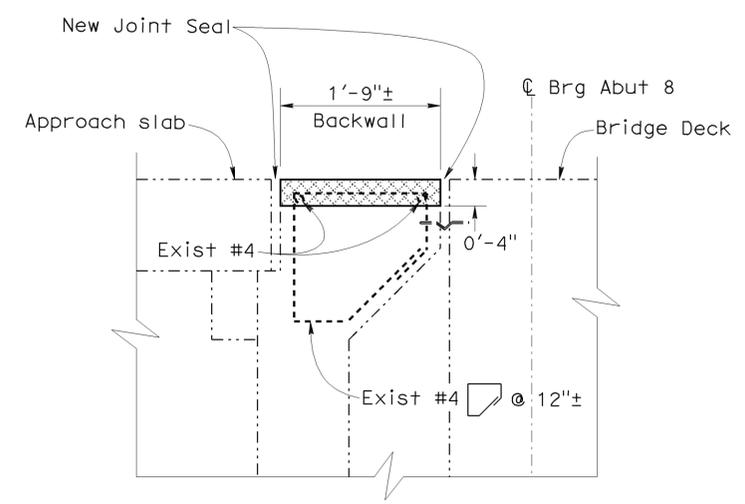
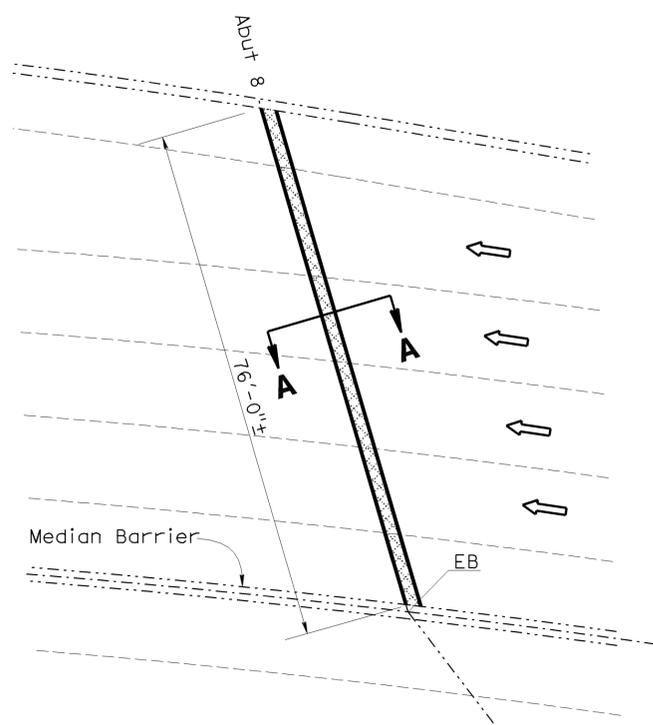
DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	Various
POST MILE	Varies

ROUTE 2, 110, 134 BRIDGES
MISCELLANEOUS DETAILS NO. 2

TIME PLOTTED => 07431
DATE PLOTTED => 11-OCT-2011
USER NAME => s129239

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110,134	Var	30	33
07/08/11 REGISTERED CIVIL ENGINEER DATE					
11/14/11 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.	



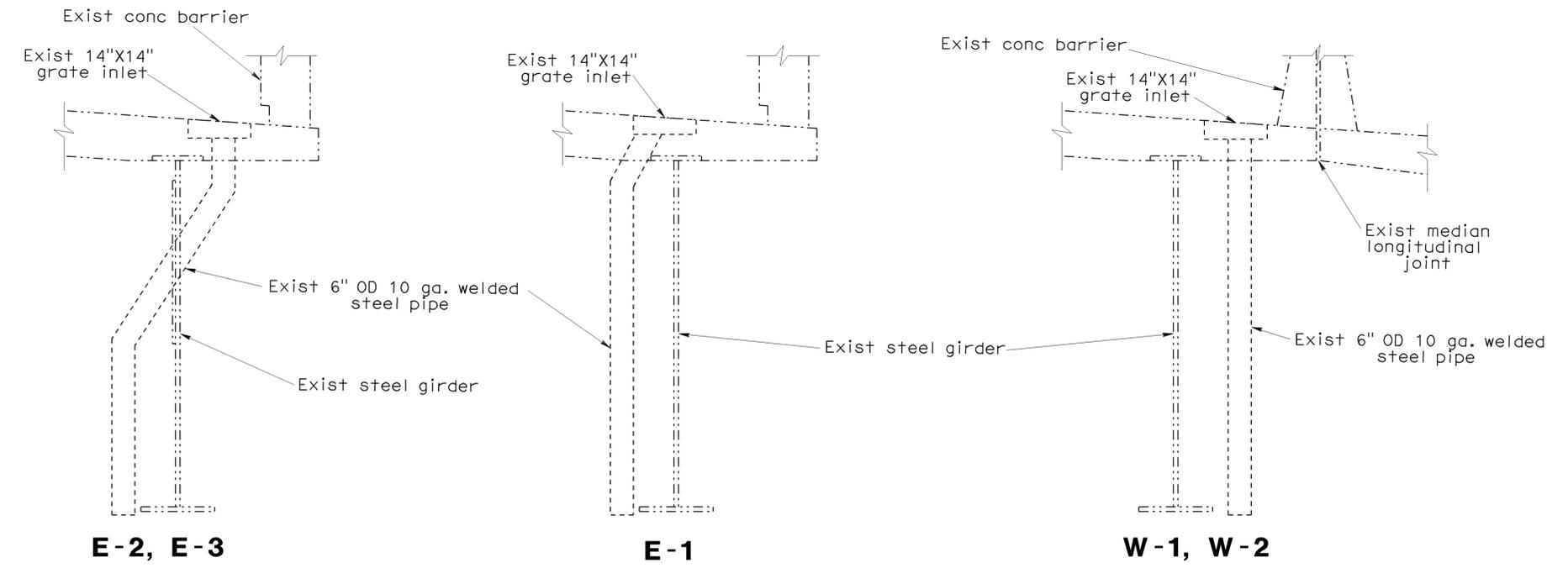
SECTION A-A
NO SCALE

LEGEND:

- Indicates existing.
- ➔ Indicates direction of traffic.
- ▨ Indicates limits of remove existing backwall concrete and place new PCC. Existing reinforcements to remain undamaged.

BACKWALL REPAIR DETAIL

Br No. 53-0255, Abutment 8, Westbound
NO SCALE



TYPICAL EXISTING DRAIN PIPE ALIGNMENT

Br No. 53-0255
NO SCALE

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DETAILS	BY Tom Dang	CHECKED Vinh Dang
QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran

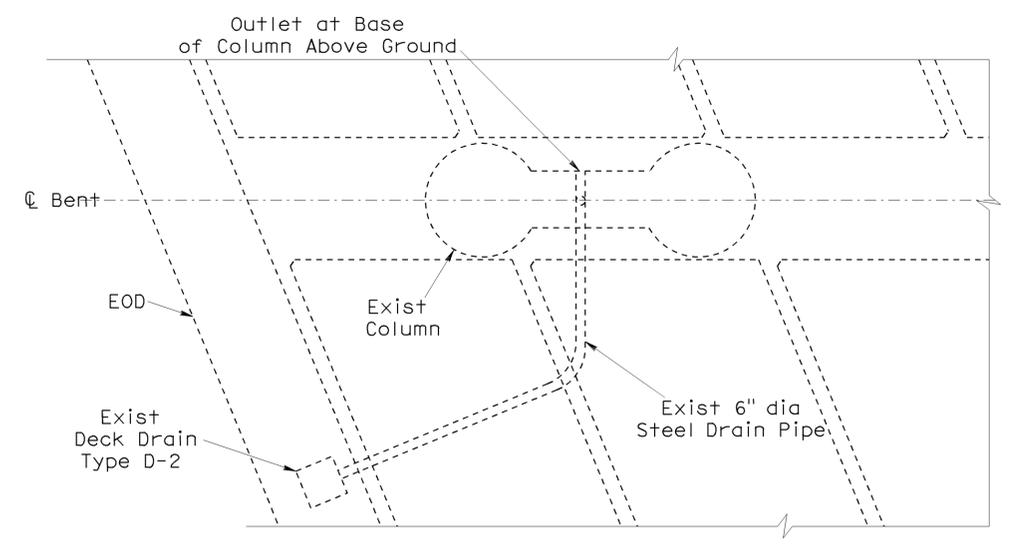
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

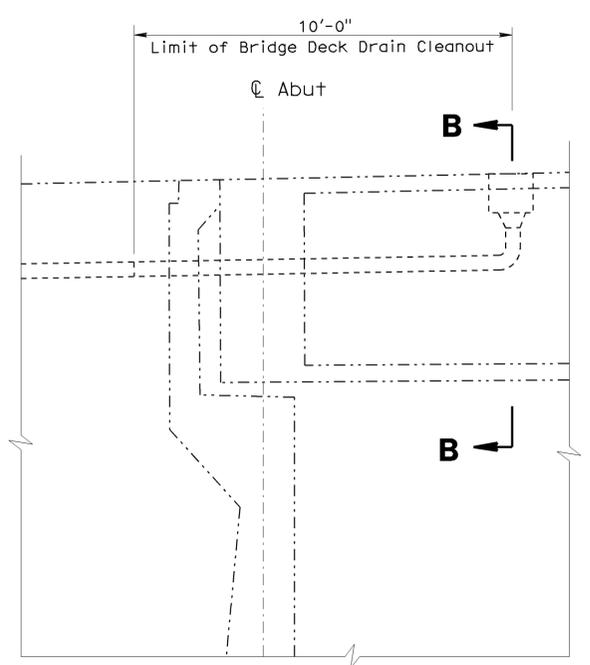
BRIDGE NO.	Various
POST MILE	Varies

ROUTE 2, 110, 134 BRIDGES
MISCELLANEOUS DETAILS NO. 3

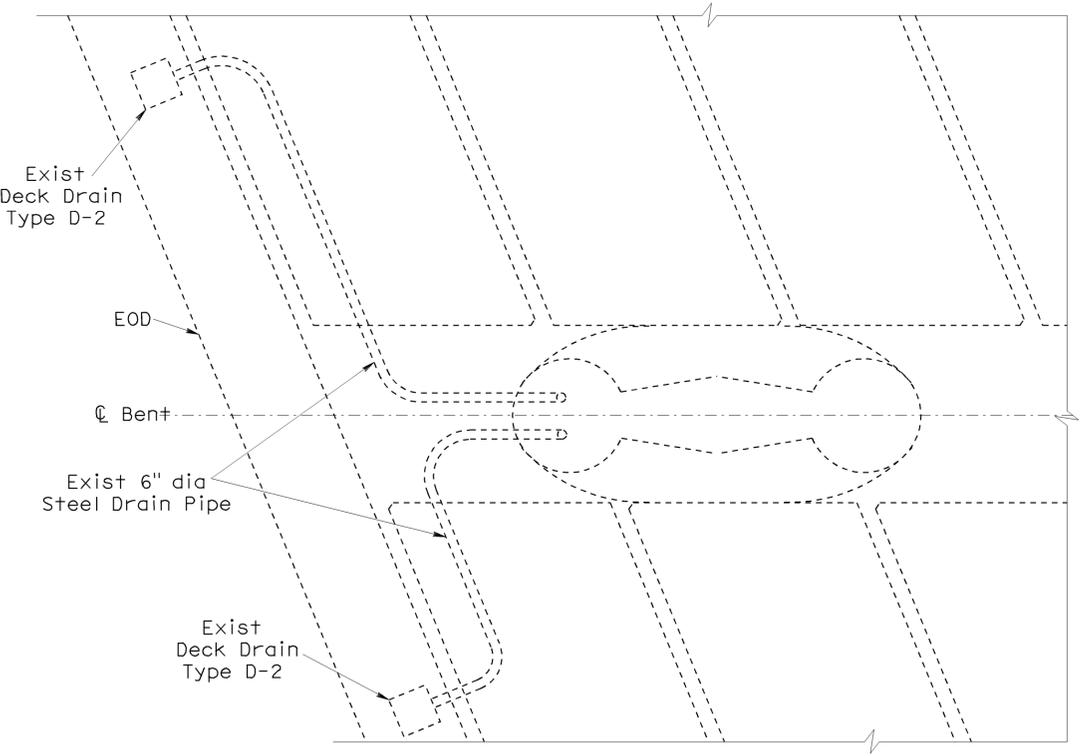
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2,110,134	Var	31	33
<i>Vinh Duc L. Dang</i> 07/08/11 REGISTERED CIVIL ENGINEER DATE				11/14/11 PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



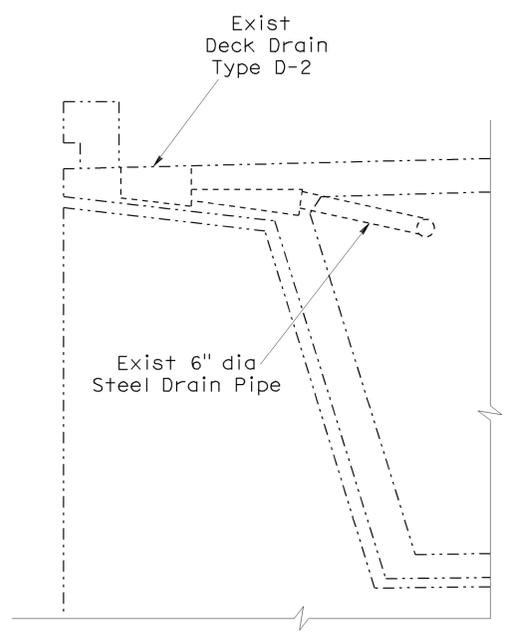
BENTS 3,4,5, AND 6



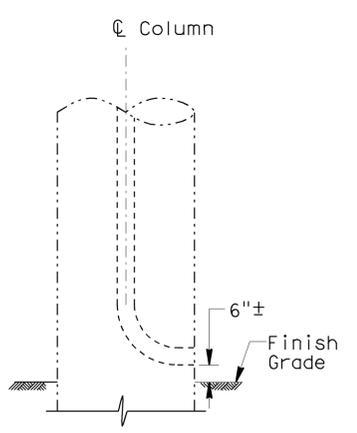
ABUTMENT 8



BENT 7



SECTION B-B
NO SCALE



**AT COLUMN TYPE BENT
ABOVE GROUND
EXISTING DRAIN OUTLET**

TYPICAL EXISTING DRAIN PIPING ALIGNMENT

Br No. 53-2317
NO SCALE

NOTE:
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TONY D. BRAKE

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DETAILS	BY Tom Dang	CHECKED Vinh Dang
QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	Various
POST MILE	Varies

ROUTE 2, 110, 134 BRIDGES
MISCELLANEOUS DETAILS NO. 4

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 07606
PROJECT NUMBER & PHASE: 0700020053

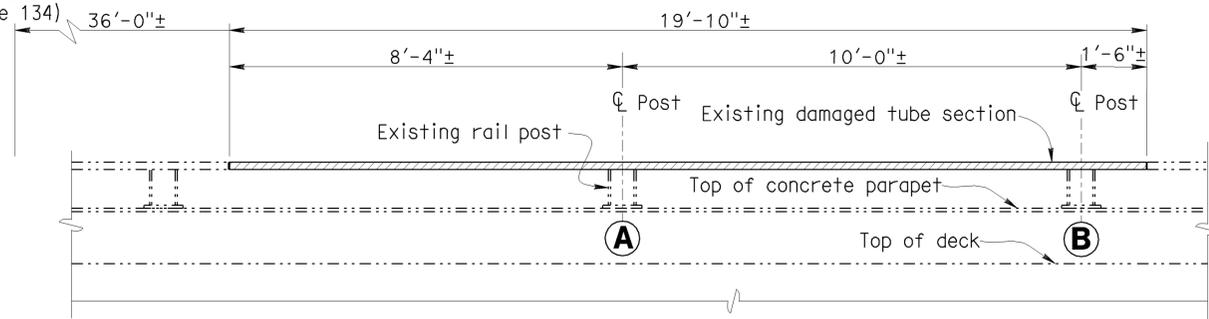
CONTRACT NO.: 4Y9101

DISREGARD PRINTS BEARING EARLIER REVISION DATES

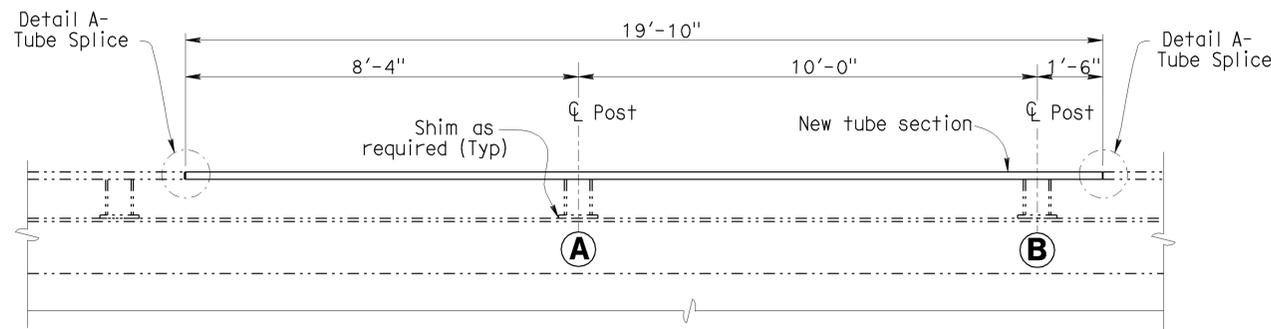
REVISION DATES	SHEET	OF
2/21/11 3/29/11 4/24/11 4/26/11	13	15

USERNAME => s1292339 DATE PLOTTED => 11-OCT-2011 TIME PLOTTED => 07:31

EB
(Abut 8,
Eastbound
Rte 134)



EXISTING AND REMOVAL



REPLACEMENT

TYPE 9 BARRIER RAILING REPAIR

NO SCALE

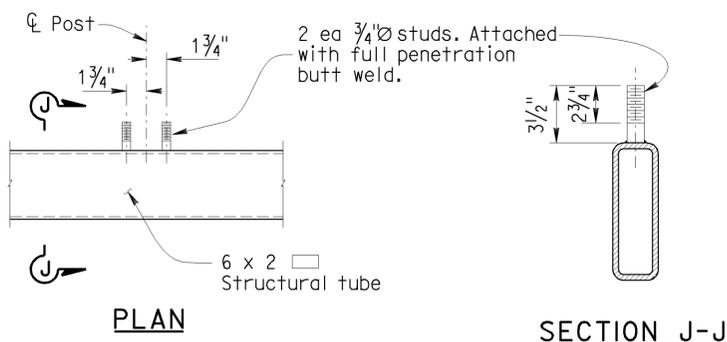
LEGEND

----- Indicates existing.

▨ Indicates limits of removal of existing
Barrier Railing Type 9 tube.

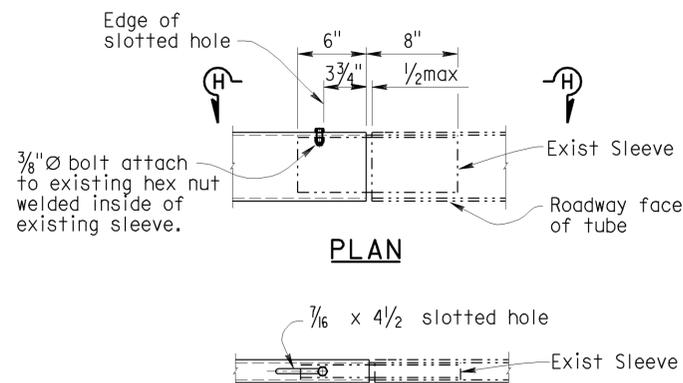
NOTES

A. All parts to be galvanized after fabrication.



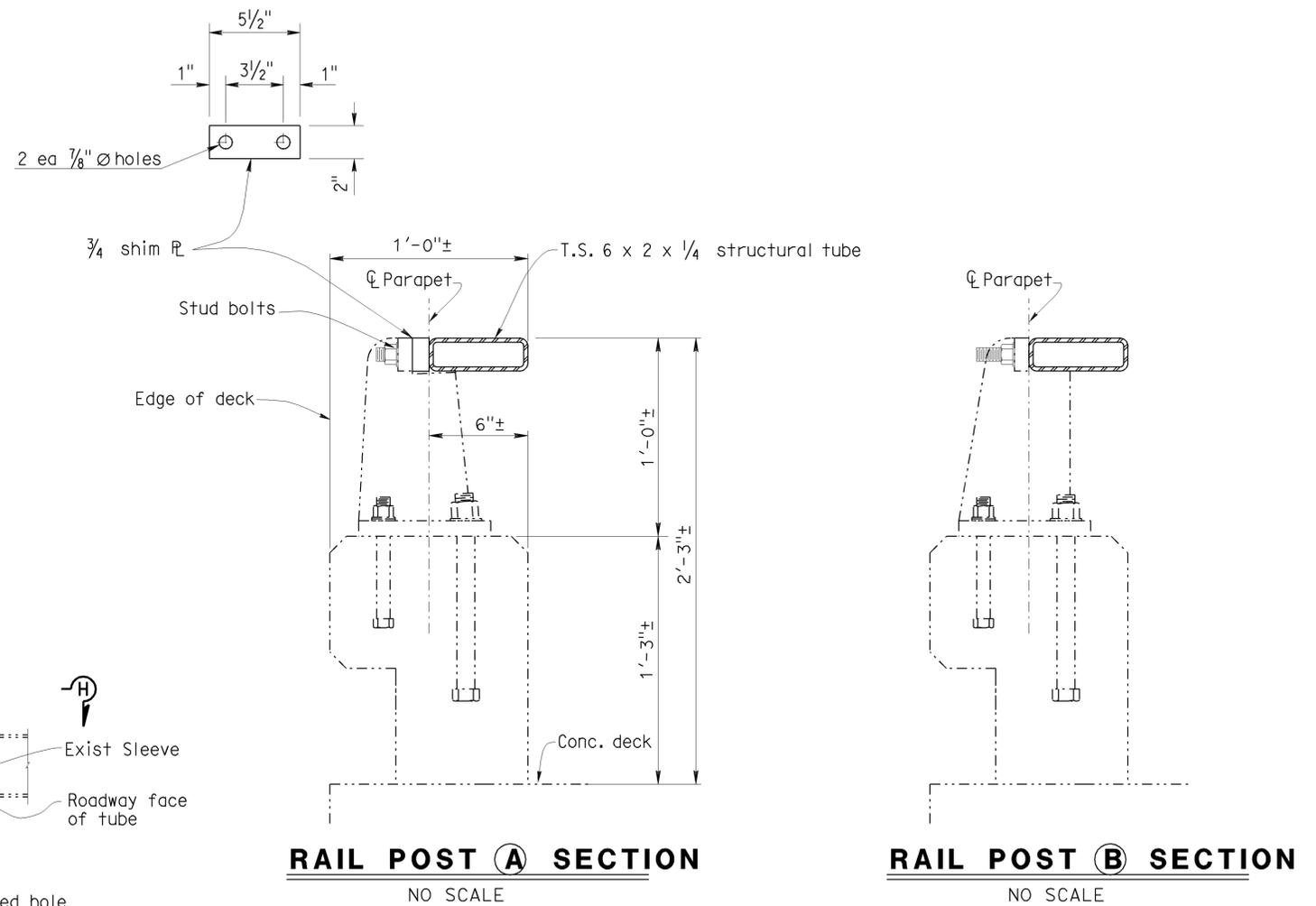
STUD BOLT DETAILS

NO SCALE



DETAIL A - TUBE SPLICE

NO SCALE



RAIL POST A SECTION

NO SCALE

RAIL POST B SECTION

NO SCALE

NOTE:
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FACILITIES HAVE NOT BEEN PLOTTED
ON THESE PLANS.

TONY D. BRAKE

DESIGN	BY Vinh Dang	CHECKED Hong Tien Tran
DETAILS	BY Tom Dang	CHECKED Vinh Dang
QUANTITIES	BY Vinh Dang	CHECKED Hong Tien Tran

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE
DESIGN

BRIDGE NO.	Various
POST MILE	Varies

ROUTE 2, 110, 134 BRIDGES
MISCELLANEOUS DETAILS NO. 5

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

0 1 2 3

UNIT: 07606

PROJECT NUMBER & PHASE: 0700020053

CONTRACT NO.: 4Y9101

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES	SHEET	OF
2/21/11 3/29/11 4/21/11 4/26/11	14	15

FILE => 07-4y9101-b-miscdl1s5.dgn

USERNAME => s1292339 DATE PLOTTED => 11-OCT-2011 TIME PLOTTED => 07:31

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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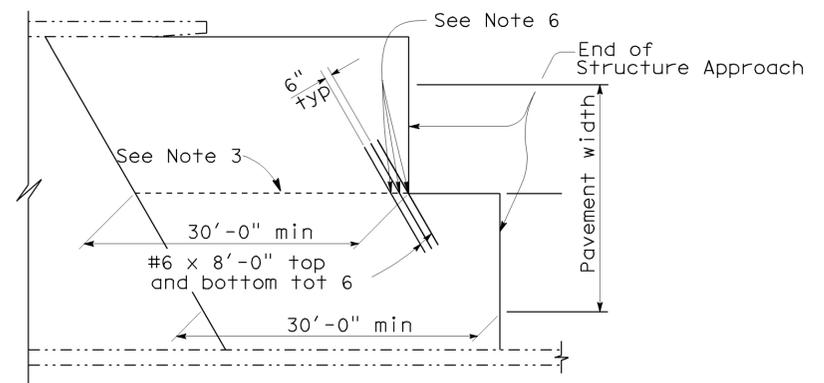
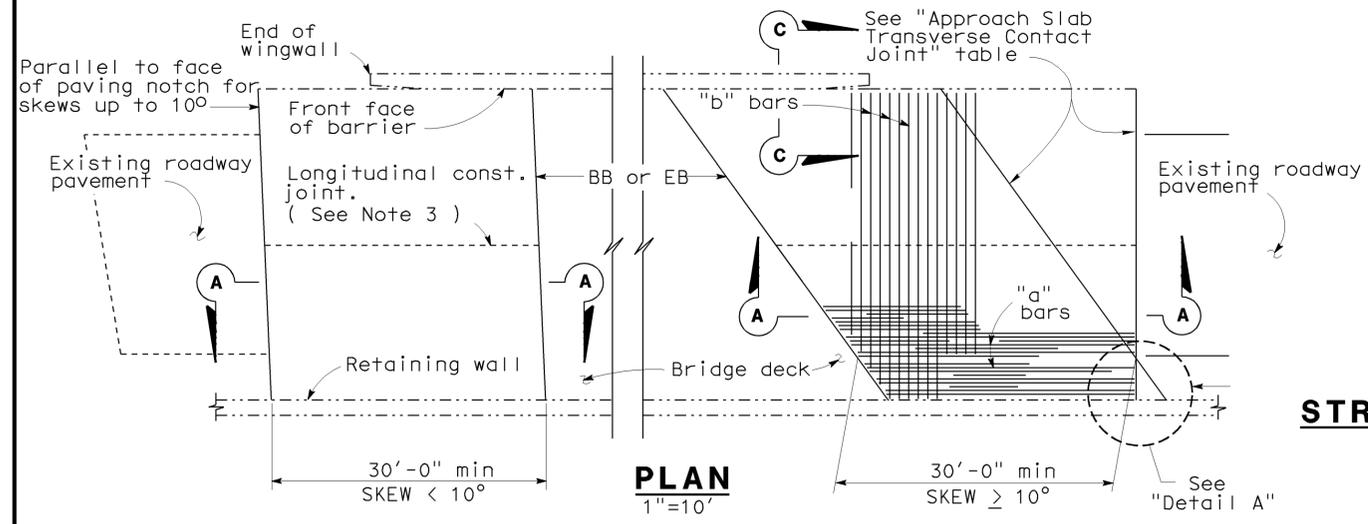
07/08/11
REGISTERED CIVIL ENGINEER DATE

11/14/11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
VINH DUC L. DANG
No. C65096
Exp. 09/30/11
CIVIL
STATE OF CALIFORNIA

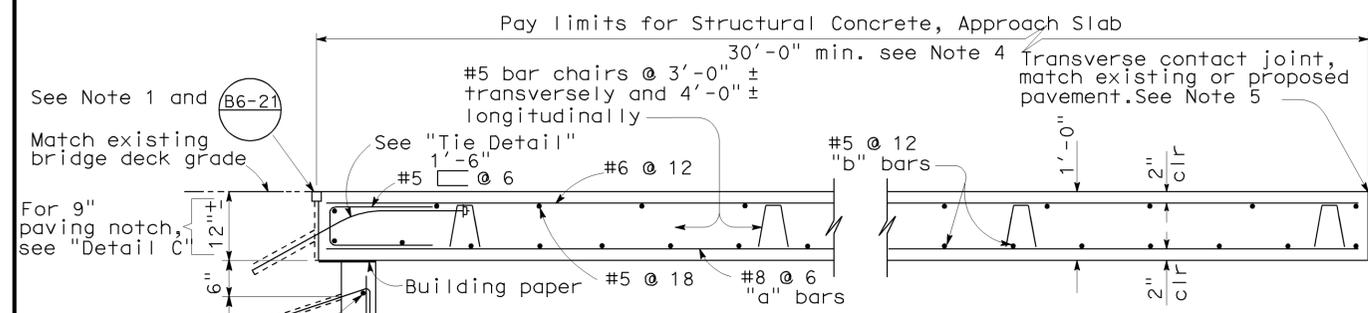
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	2,110,134	Var	33	33
07/08/11 REGISTERED CIVIL ENGINEER DATE 11/14/11 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.					

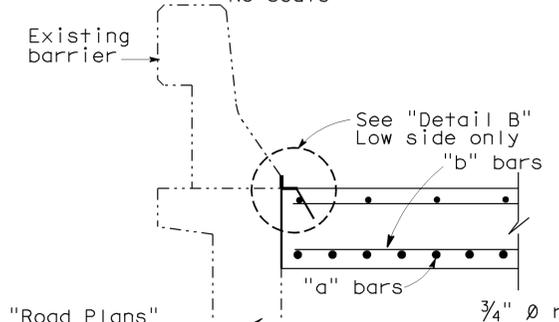


STRUCTURE APPROACH - END STAGGER DETAIL

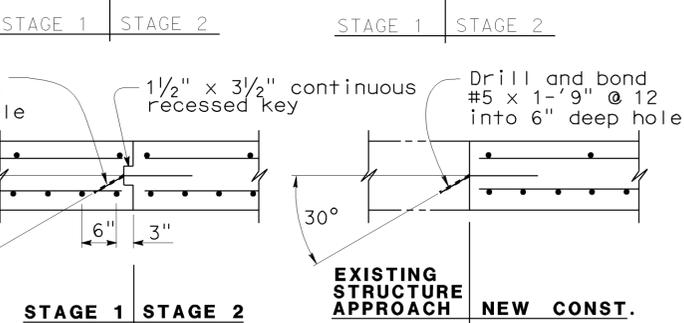
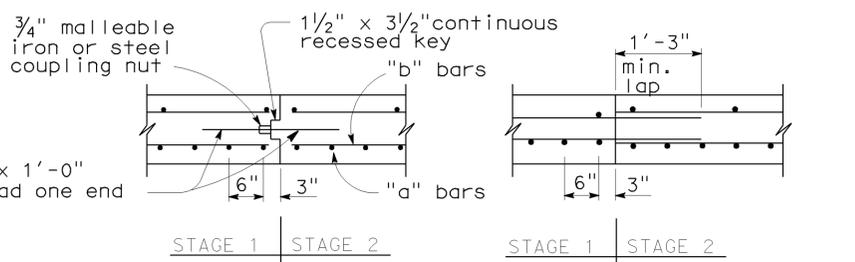
APPROACH SLAB TRANSVERSE CONTACT JOINT		
APPROACH SKEW	WITH AC ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
<math>< 10^\circ</math>	Parallel to face of paving notch	Parallel to face of paving notch
$10^\circ - 45^\circ$	Parallel to face of P N use (Detail A)	Stagger lines 24' to 36' apart
> 45°	Parallel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



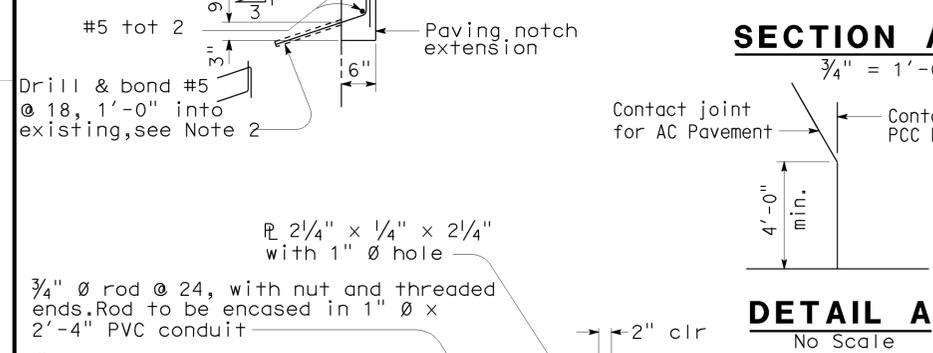
SECTION A-A



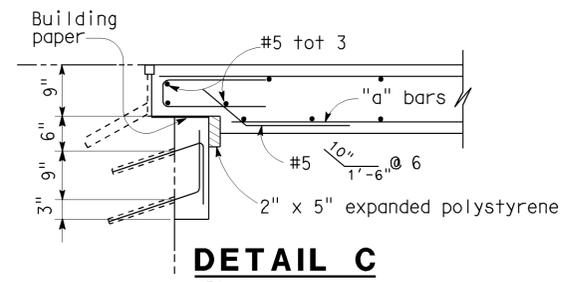
SECTION C-C



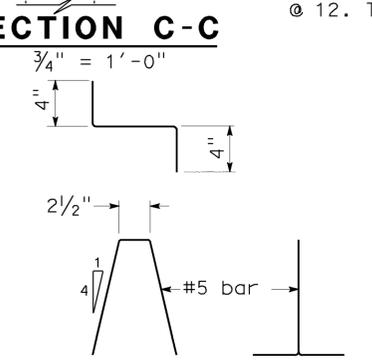
LONGITUDINAL CONSTRUCTION JOINT ALTERNATIVES



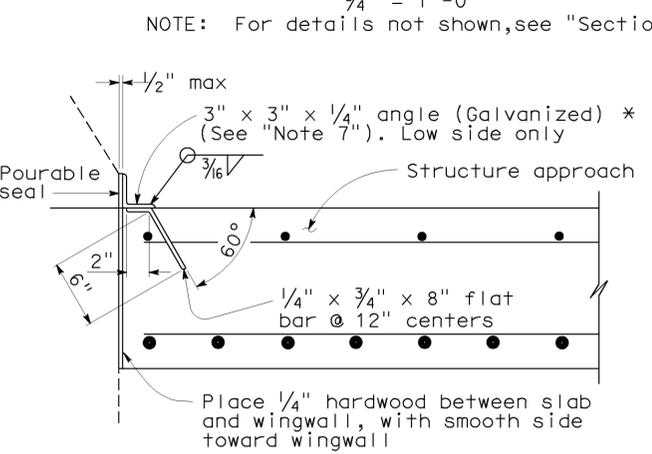
DETAIL A



DETAIL C

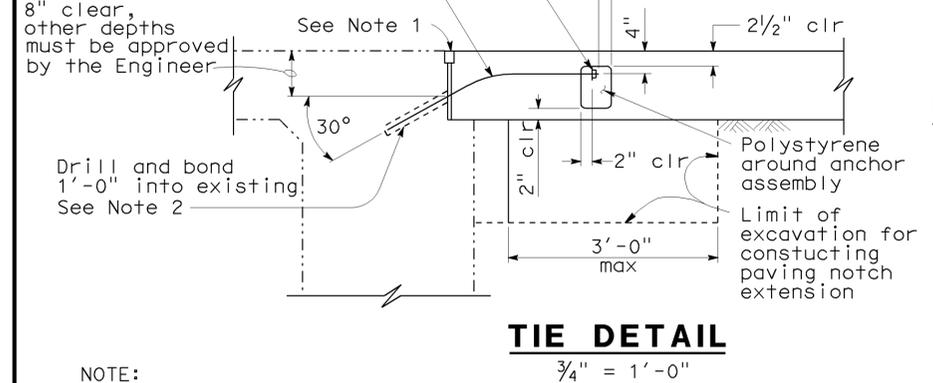


BAR CHAIR DETAIL



DETAIL B

*(TO BE USED WITH TYPE 25 OR TYPE 27 CONCRETE BARRIER) *(TO BE USED WITH TYPE 732 OR TYPE 736 CONCRETE BARRIER)



TIE DETAIL

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.

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

STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES
DEPARTMENT OF TRANSPORTATION	

BRIDGE NO.	ROUTE 2, 110, 134 BRIDGES
MILE POST	STRUCTURE APPROACH TYPE R(30D)