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

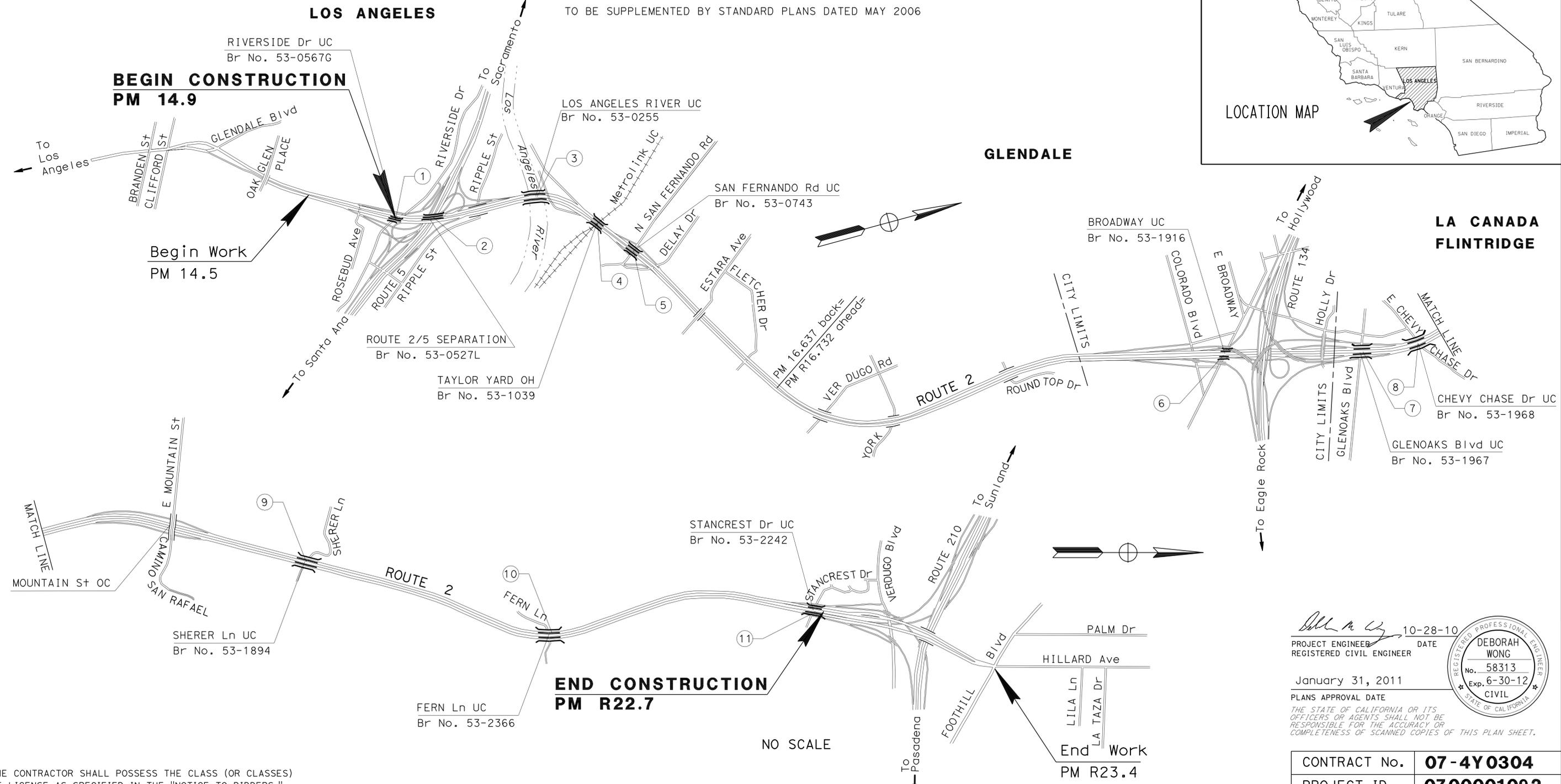
**STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION**

**PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN LOS ANGELES COUNTY
IN LOS ANGELES, GLENDALE AND LA CANADA FLINTRIDGE
FROM RIVERSIDE DRIVE UNDERCROSSING
TO STANCREST DRIVE UNDERCROSSING**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2	14.9/R22.7	1	24

Caltrans



PROJECT MANAGER	CHRISTIAN SAM
DESIGN ENGINEER	DEBORAH WONG

10-28-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

January 31, 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.	07-4Y0304
PROJECT ID	0700001092

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

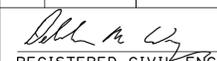
FUNCTIONAL SUPERVISOR
 MONIR IBRAHIM

CALCULATED/DESIGNED BY
 CHECKED BY

AMBACHEW YIRGU
 DEBORAH WONG

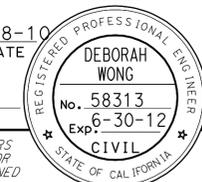
REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2	14.9/R22.7	2	24

 10-28-10
 REGISTERED CIVIL ENGINEER DATE

1-31-11
 PLANS APPROVAL DATE

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



LOCATIONS OF CONSTRUCTION			
Loc	PM	BRIDGE No.	BRIDGE NAME
①	R14.96	53-0567G	RIVERSIDE DRIVE UC
②	R14.98	53-0527L	ROUTE 2/5 SEPARATION
③	R15.52	53-0255	LOS ANGELES RIVER BRIDGE
④	R15.81	53-1039	TAYLOR YARD OH
⑤	R16.02	53-0743	SAN FERNANDO ROAD UC
⑥	R18.65	53-1916	BROADWAY UC
⑦	R19.18	53-1967	GLENOAKS BOULEVARD UC
⑧	R19.39	53-1968	CHEVY CHASE DRIVE UC
⑨	R20.57	53-1894	SHERER LANE UC
⑩	R21.59	53-2366	FERN LANE UC
⑪	R22.69	53-2242	STANCREST DRIVE UC

LOCATIONS OF CONSTRUCTION

LC-1

EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THIS PLAN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2	14.9/R22.7	3	24

10-28-10
 REGISTERED CIVIL ENGINEER DATE
 DEBORAH WONG
 No. 58313
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

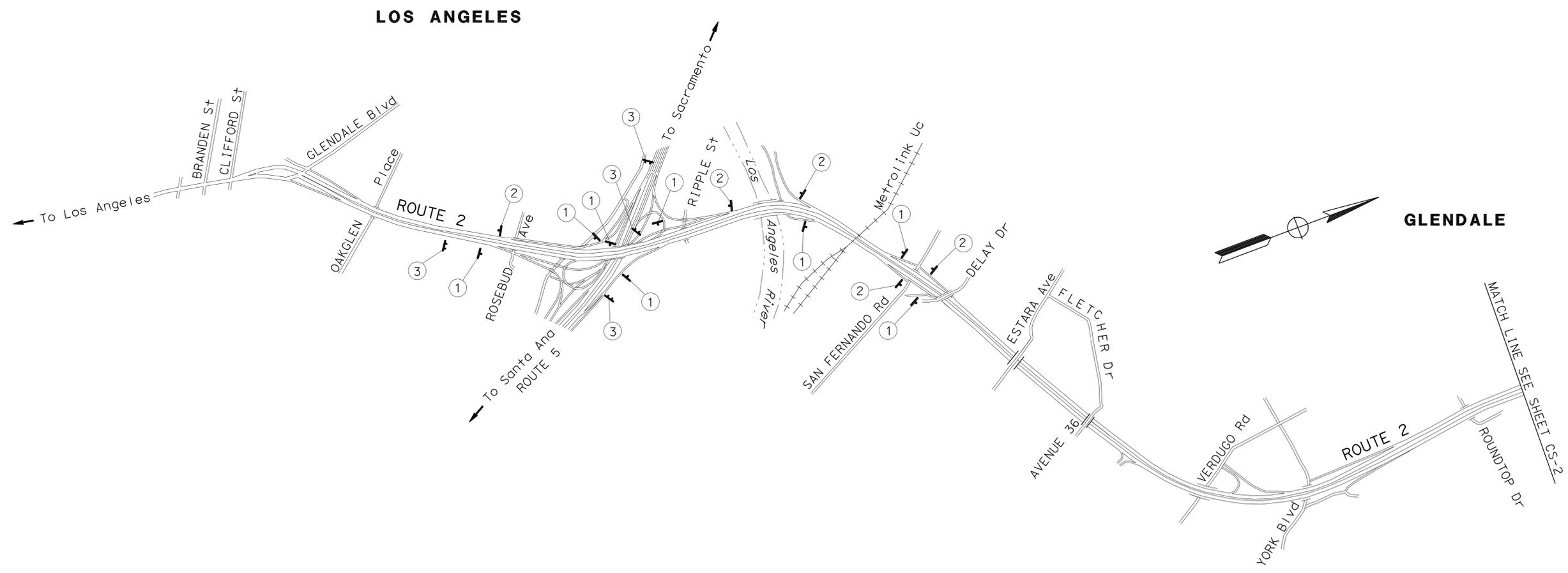
1-31-11
 PLANS APPROVAL DATE

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.

NOTE:

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

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS					
SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
①	W20-1	48" X 48"	ROAD WORK AHEAD	1 - 6" X 8"	22
②	G20-2	48" X 24"	END CONSTRUCTION	1 - 4" X 6"	20
③	C40 (CA)	144" X 60"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	2 - 6" X 8"	9
TOTAL					51



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

REVISOR
 REVISED BY
 DATE REVISED

DESIGNER
 AMBACHEW YIRGU
 DEBORAH WONG

CHECKER
 CALCULATED/DESIGNED BY
 CHECKED BY

FUNCTIONAL SUPERVISOR
 MONIR IBRAHIM

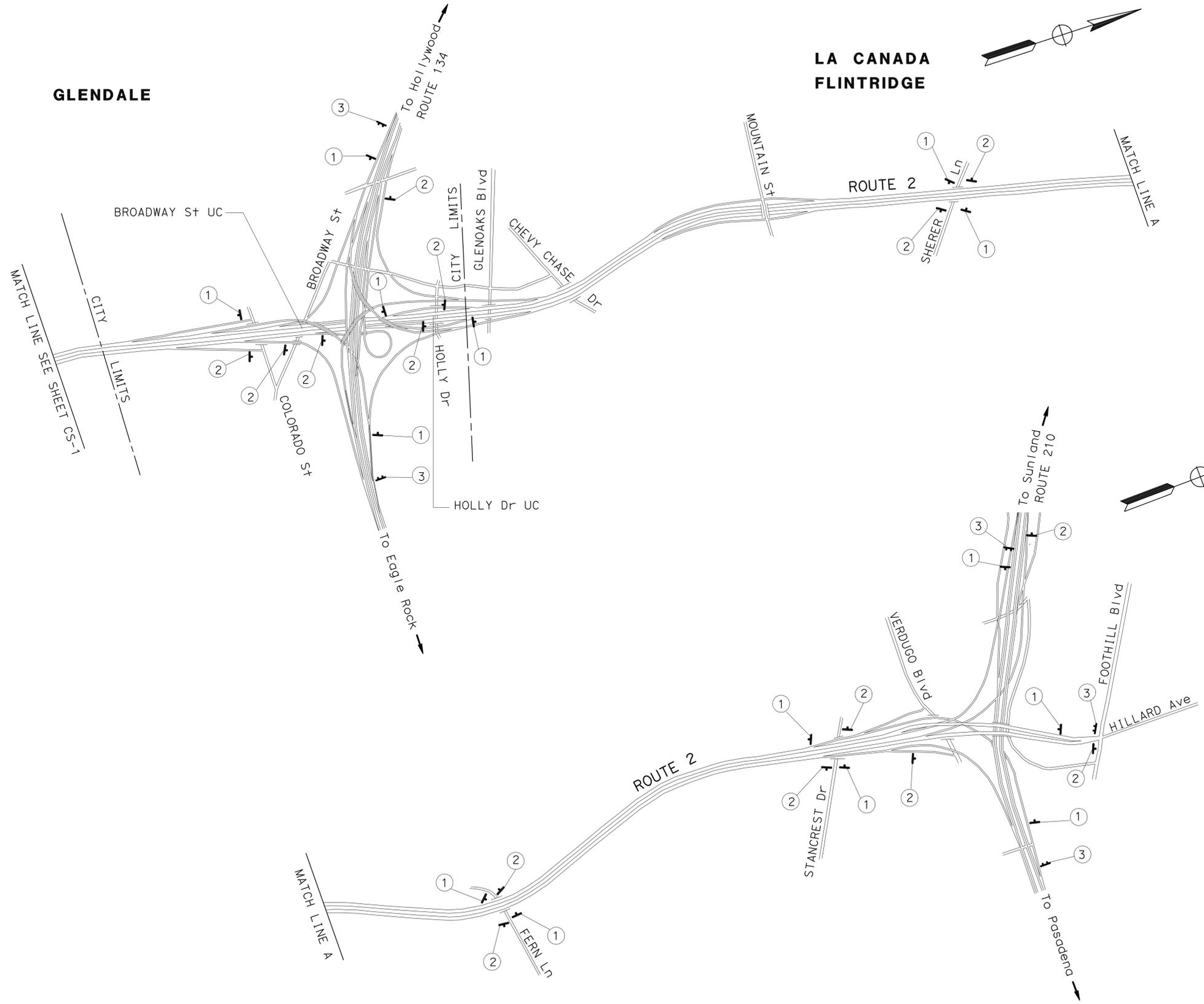
PROJECT NUMBER & PHASE
 07000010921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2	14.9/R22.7	4	24

10-28-10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 PLANS APPROVAL DATE

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

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans MAINTENANCE ENGINEERING	MONIR IBRAHIM	AMBACHEW YIRGU	
		DEBORAH WONG	
		CHECKED BY	
		DESIGNED BY	

CONSTRUCTION AREA SIGNS
NO SCALE
CS-2

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

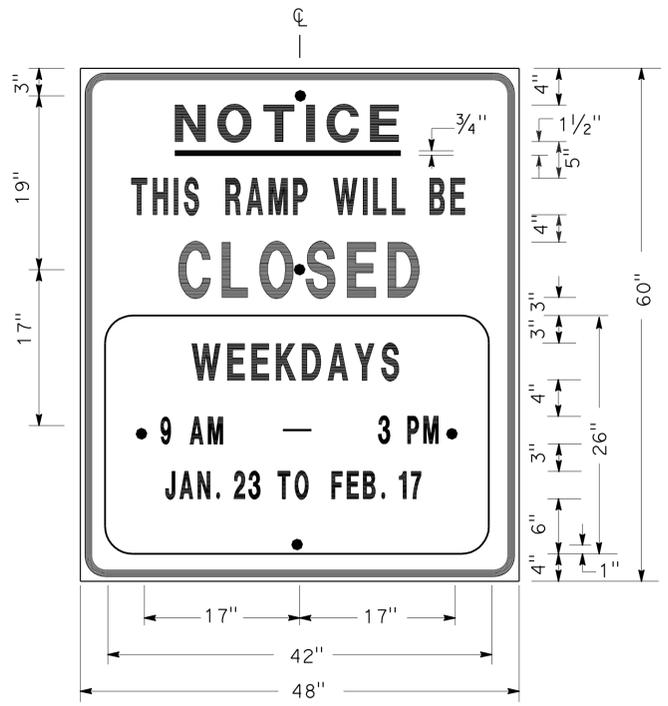
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2	14.9/R22.7	5	24

REGISTERED CIVIL ENGINEER: *Daisy Vergara* 7/9/10 DATE

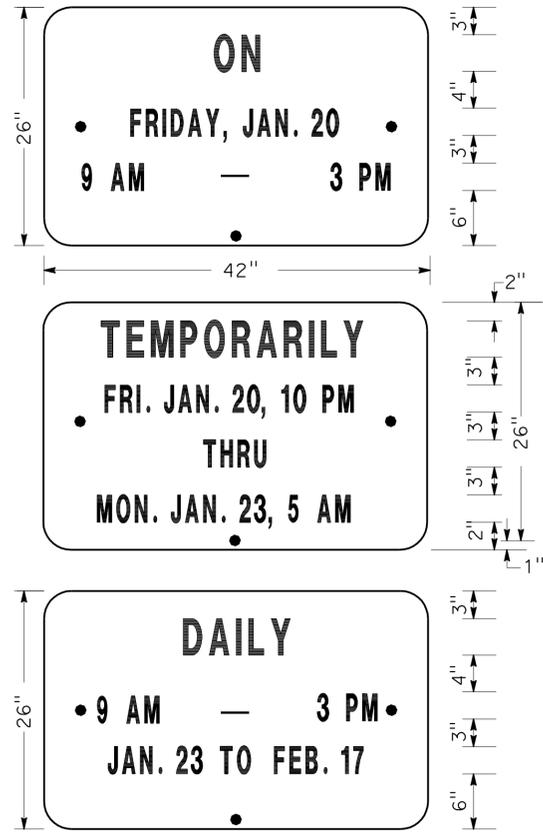
1-31-11 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER: DAISY VERGARA No. 62656 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.

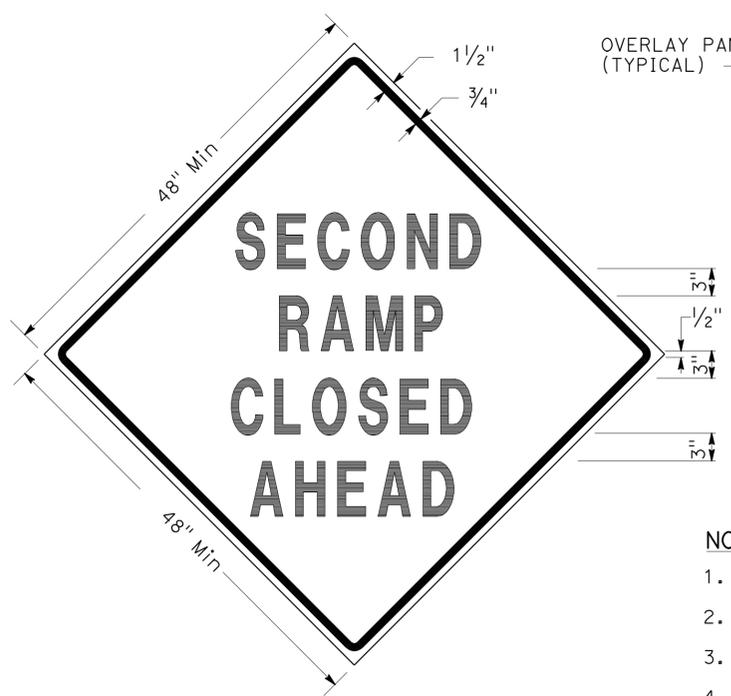


SIGN SP-1



ALTERNATE OVERLAY PANELS (TYPICAL)

SPECIAL ADVANCE NOTICE PUBLICITY SIGN



SIGN SP-3

SPECIAL SIGN FOR EXIT RAMP CLOSURES

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



SIGN SP-5



SIGN SP-4

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

SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES

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

SHEET 1 OF 2

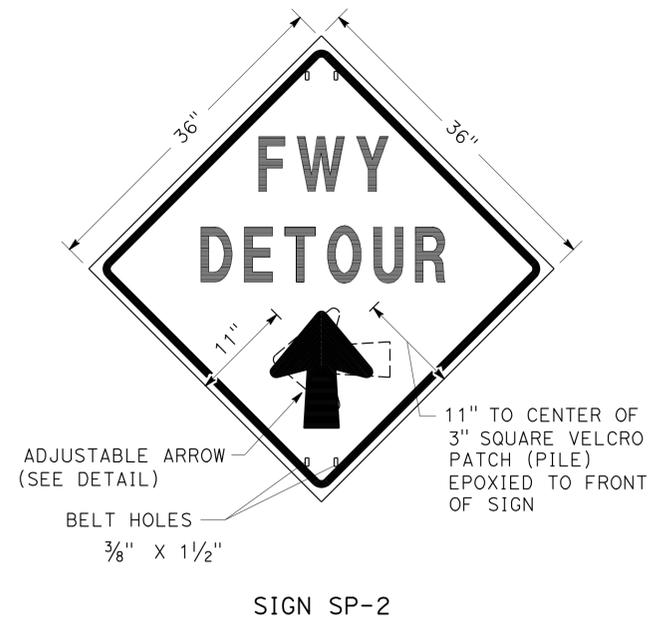
NO SCALE

THD-1

- NOTES: (SIGN SP-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.

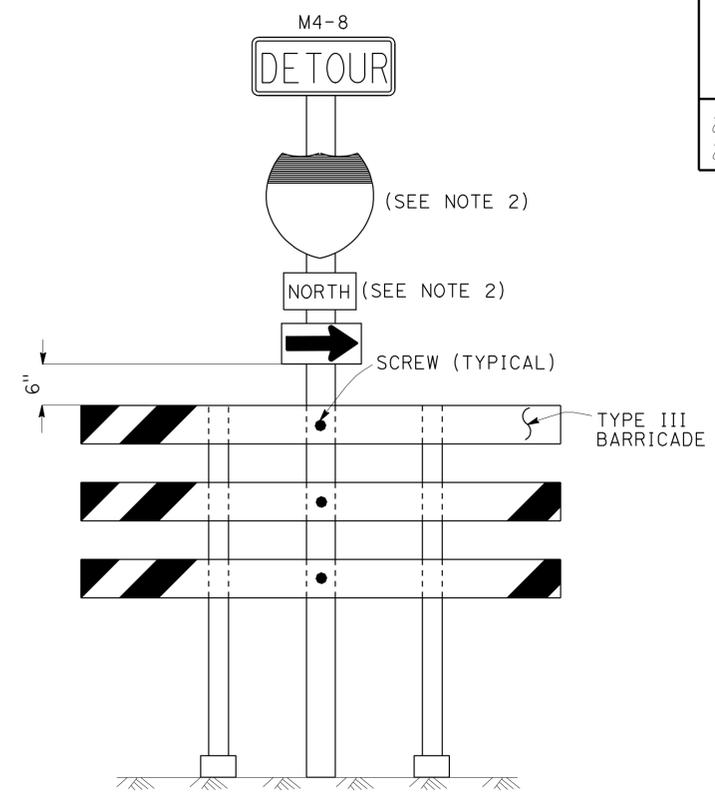
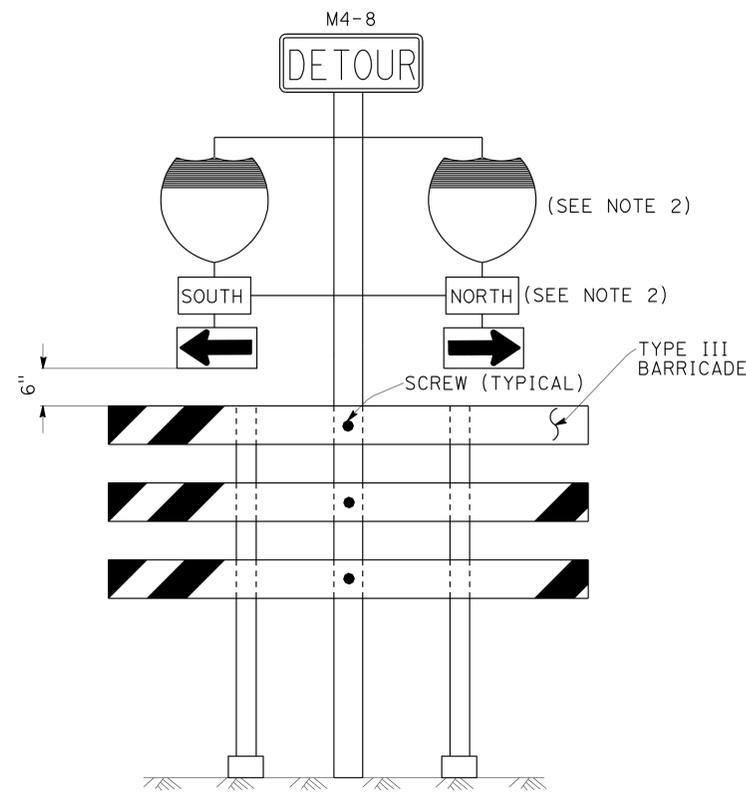
SIZE	BORDER	MARGIN	LETTER SIZE					CORNER RADIUS
	WIDTH	WIDTH	LINE 1	LINE 2*	LINE 3	LINE 4	LINE 5,6 & 7*	
48"x60"	1 1/4"	3/4"	4E	4D	6E	4D		3"
42"x26"	OVERLAY						3D	1 1/2"

* CONDENSED SPACING IF NECESSARY



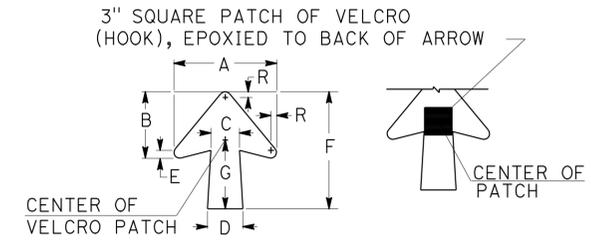
- NOTES:** (SIGN SP-2)
- LETTERS -6" SERIES E.
 - LETTERS, BORDER AND ARROW - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
 - BASE MATERIAL FOR SIGNS AND ARROWS SHALL BE ALUMINUM (MINIMUM 0.06").
 - BELTS (LUGGAGE STRAPS) SHALL BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
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

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

ADJUSTABLE ARROW DETAIL

THD-2

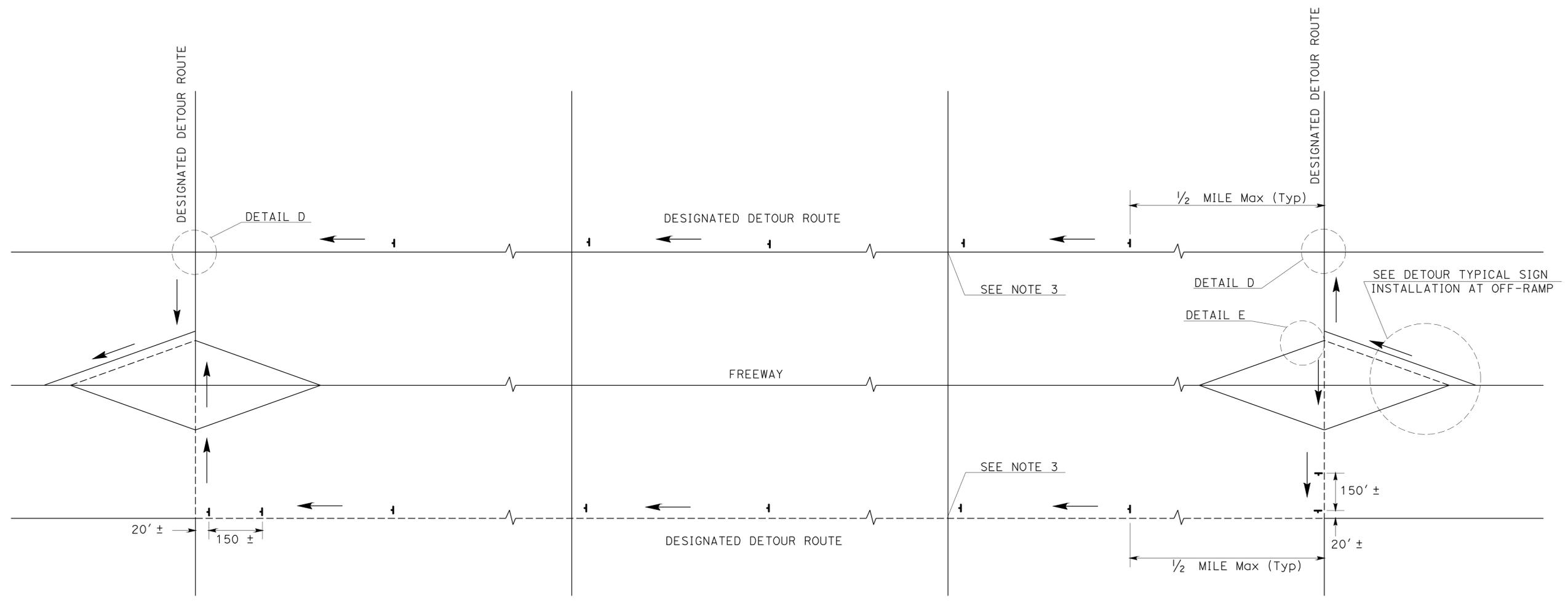
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DT M
 FUNCTIONAL SUPERVISOR MARTIN OREGEL
 CHECKED BY
 CALCULATED/DESIGNED BY
 REVISOR BY DATE REVISED
 JOCELYN C CHIANG 7/08
 ALBERT K YU 9/08
 JC

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2	14.9/R22.7	7	24

D. Vergara
 REGISTERED CIVIL ENGINEER DATE 7/9/10
 1-31-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DAISY VERGARA
 No. 62656
 Exp. 6/30/12
 CIVIL
 STATE OF CALIFORNIA

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TYPICAL DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

- LEGEND**
- ▬ 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-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: MARTIN OREGEL
 CHECKED BY: JOCELYN C CHIANG
 DESIGNED BY: ALBERT K YU
 REVISIONS:
 7/08 JC
 9/08 JC

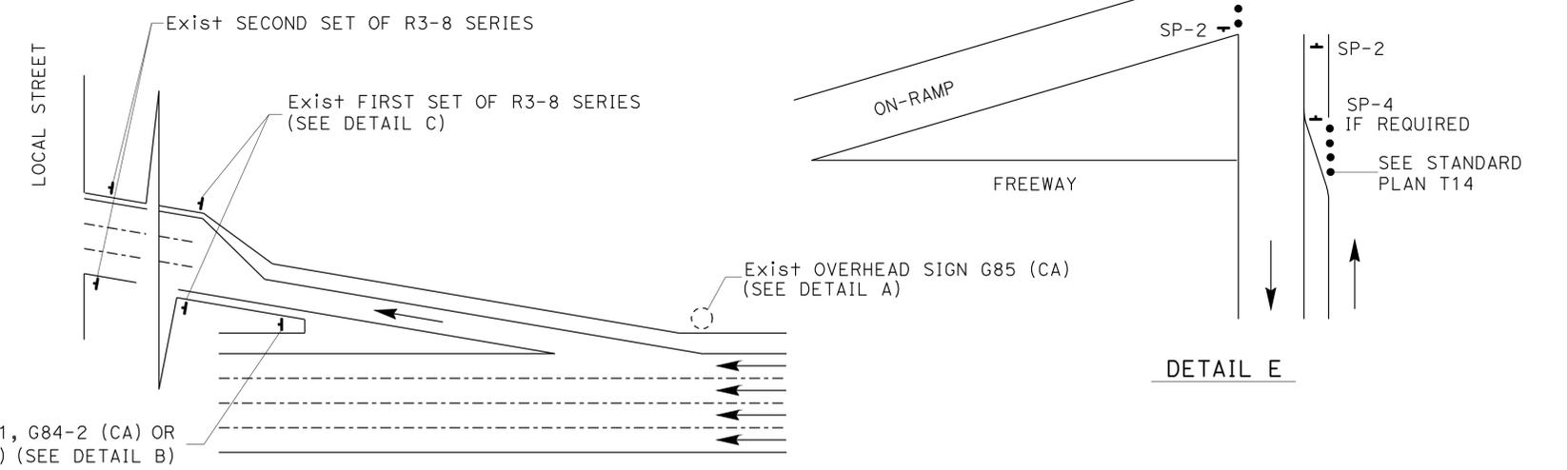
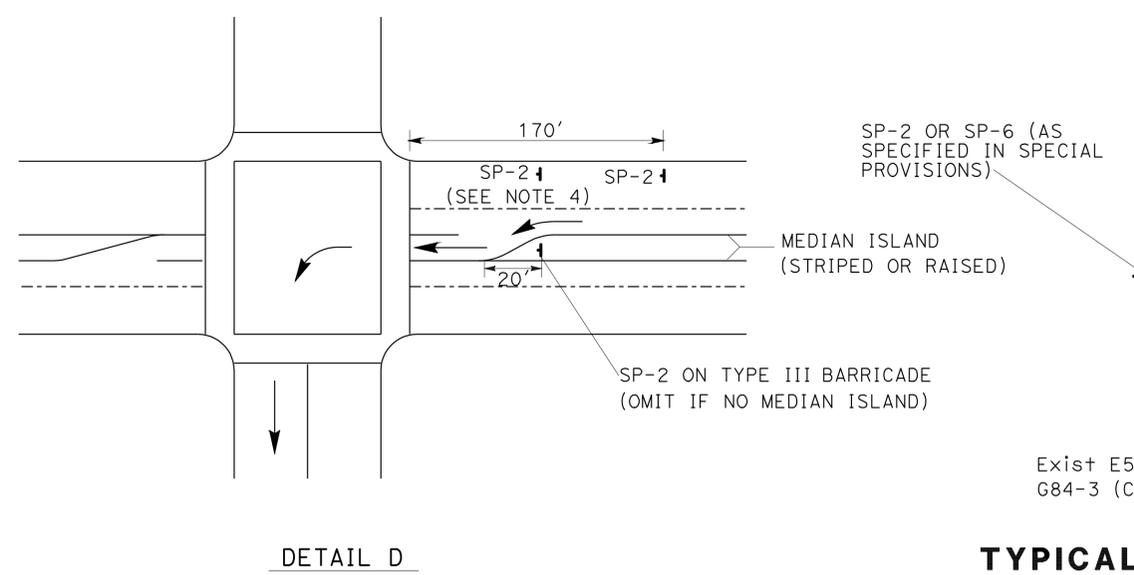
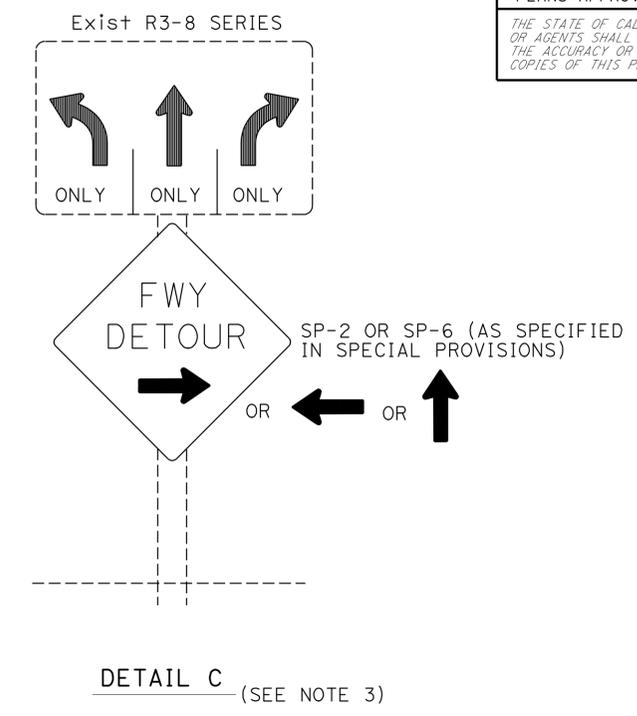
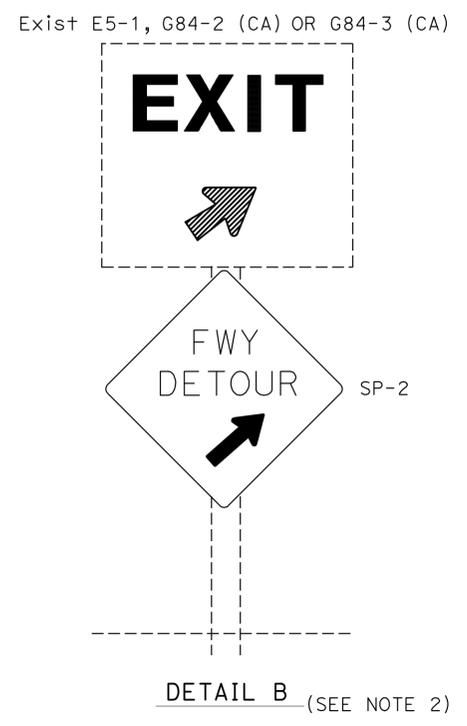
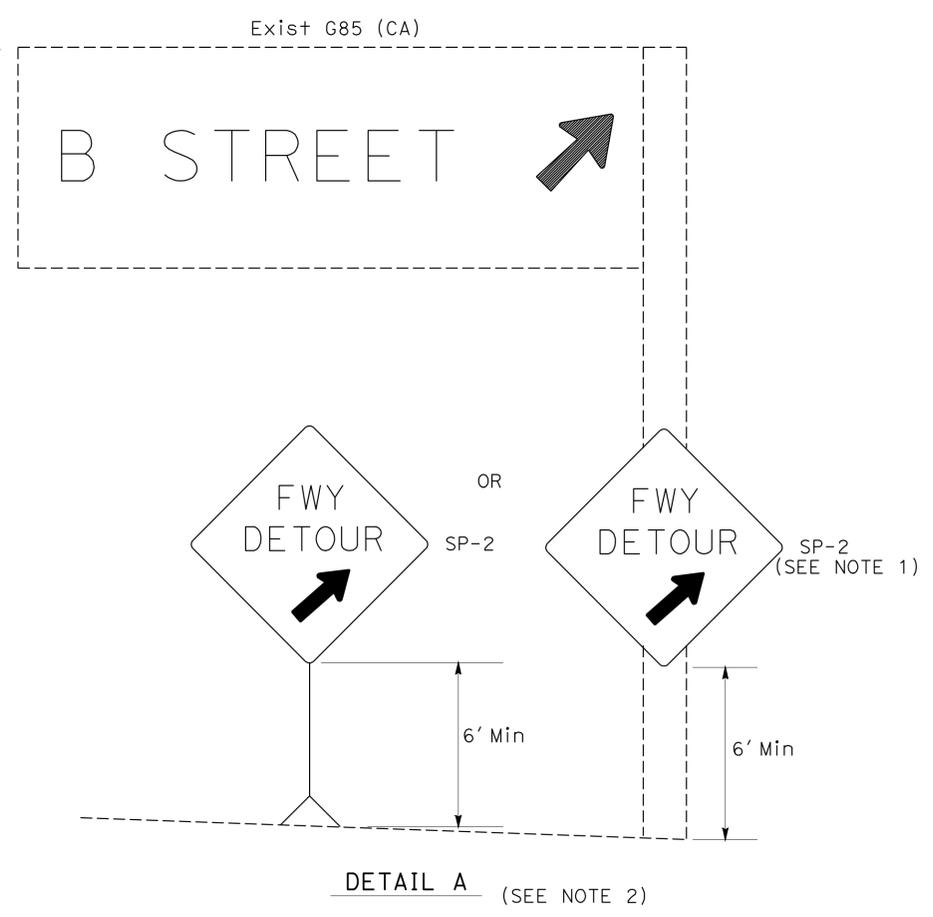
LAST REVISION | DATE PLOTTED => 19-JAN-2011
 00-00-00 | TIME PLOTTED => 14:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2	14.9/R22.7	8	24

<i>D. Vergara</i>		7/9/10
REGISTERED CIVIL ENGINEER	DATE	
1-31-11		
PLANS APPROVAL DATE		

REGISTERED PROFESSIONAL ENGINEER	DAISY VERGARA
No. 62656	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. SP-2 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.
 4. OMIT IF MEDIAN ISLAND EXIST.

ABBREVIATIONS

(CA) CALIFORNIA CODE

- LEGENDS**
- CONE
 - † PORTABLE SIGN
 - DIRECTION OF TRAVEL
 - EXISTING OVERHEAD SIGN

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

THD-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DTM

FUNCTIONAL SUPERVISOR: MARTIN OREGEL

REVISOR: ALBERT K YU, JOCELYN C CHIANG

DATE: 7/08, 9/08

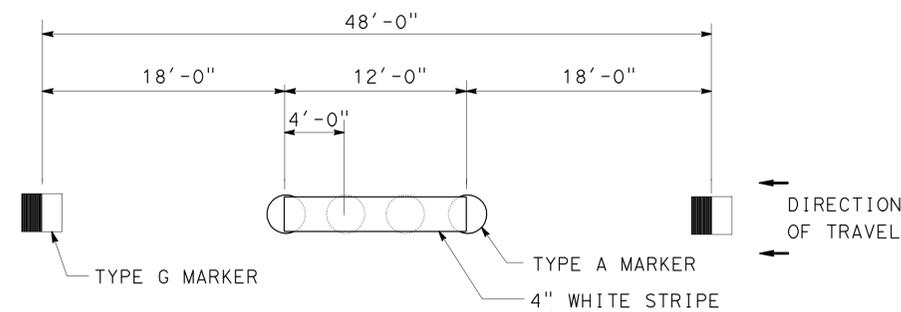
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	2	14.9/R22.7	9	24

10-28-10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 PLANS APPROVAL DATE

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

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PAVEMENT DELINEATION QUANTITIES															
LOCATION	THERMOPLASTIC TRAFFIC STRIPE					THERMOPLASTIC PAVEMENT MARKING		PAVEMENT MARKER			REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE PAVEMENT MARKERS	REMOVE THERMOPLASTIC PAVEMENT MARKING	
	DET 36	DET 38B	DET 25A	DET 27B	DET 13 (MODIFIED)	CHEVRON MARKING	TYPE IV, III, VI ARROWS	RETROREFLECTIVE		NON-REFLECTIVE TYPE A					
	8" SOLID WHITE	8" SOLID WHITE	4" SOLID YELLOW	4" SOLID WHITE	4" WHITE BROKEN (36-12)			TYPE G	TYPE H						EA
	LF	LF	LF	LF	LF	SQFT	SQFT	EA	EA	EA	LF	LF	EA	SQFT	
RIVERSIDE DRIVE UNDERCROSSING			520	520	1560	72	126	37	23	130	2080	520	189	198	
LOS ANGELES RIVER BRIDGE	460	400	1200	1200	3200			118		267	4400	1200	385		
MISCELLANEOUS LOCATIONS			100	100	150			7	5	13	250	100	25		
SUB TOTAL	460	400	1820	1820	4910	72	126	162	28	410	6730	1820	599	198	
SHEET TOTAL	860		8550			198		190			410	6730	1820	599	198



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

DETAIL 13 (MODIFIED)
NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE ENGINEERING

CALCULATED/DESIGNED BY: AMBACHEW YIRGU
 CHECKED BY: DEBORAH WONG
 FUNCTIONAL SUPERVISOR: MONIR IBRAHIM
 REVISIONS: (None listed)

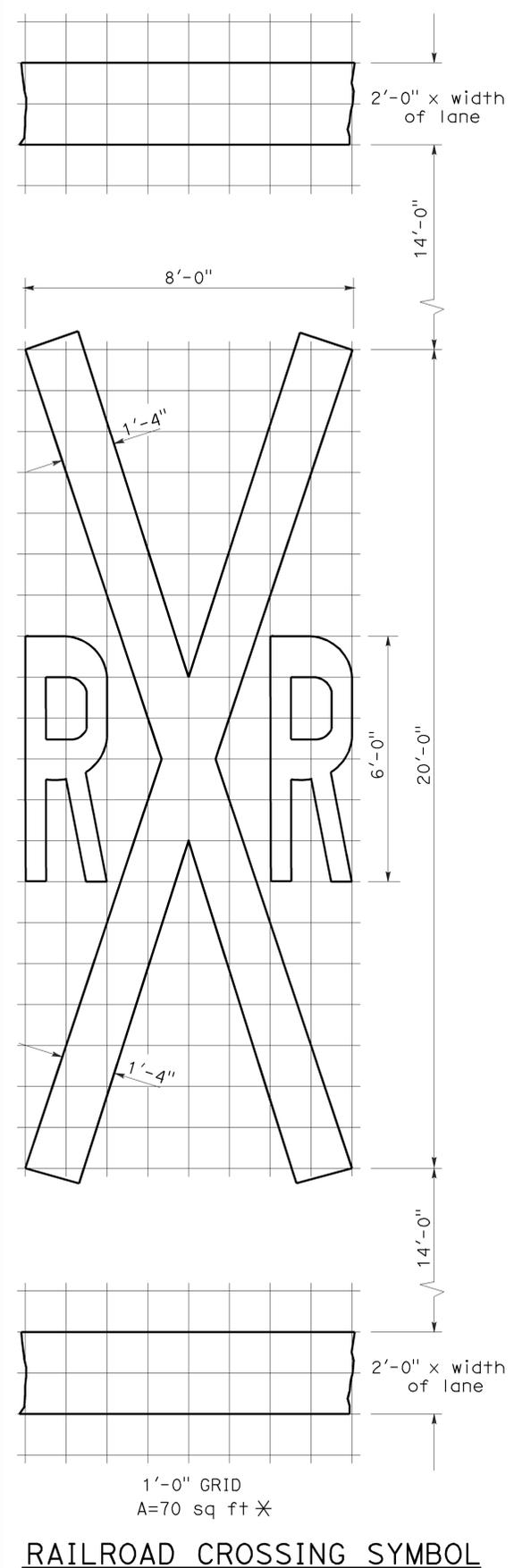
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 06-28-10 | TIME PLOTTED => 14:56

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	2	14.9/R22.7	10	24

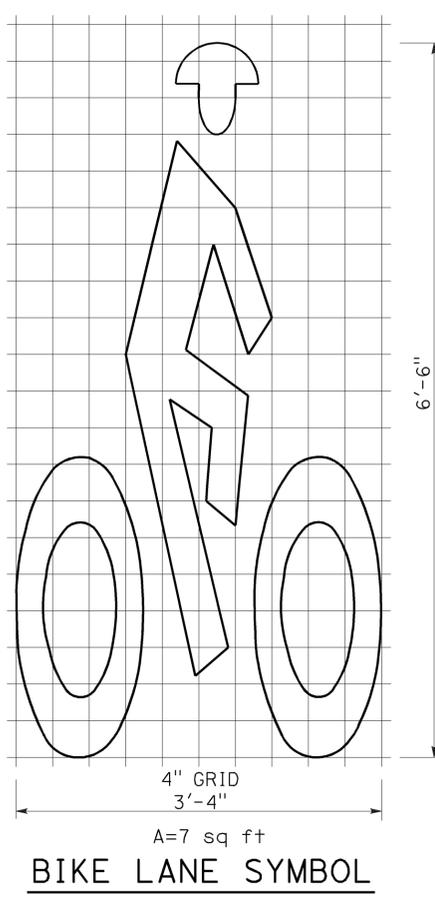
Donald E. Howe
 REGISTERED CIVIL ENGINEER
 June 6, 2008
 PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

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

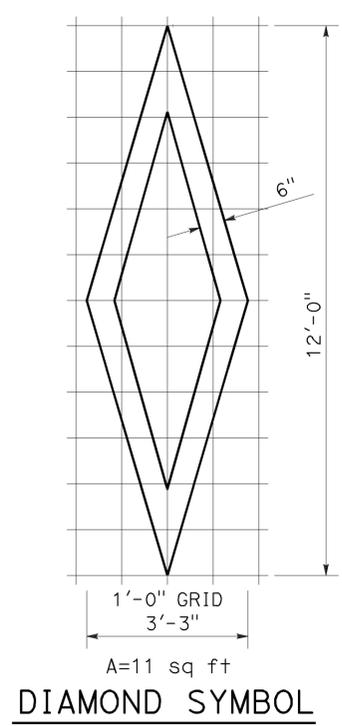
To accompany plans dated 1-31-11



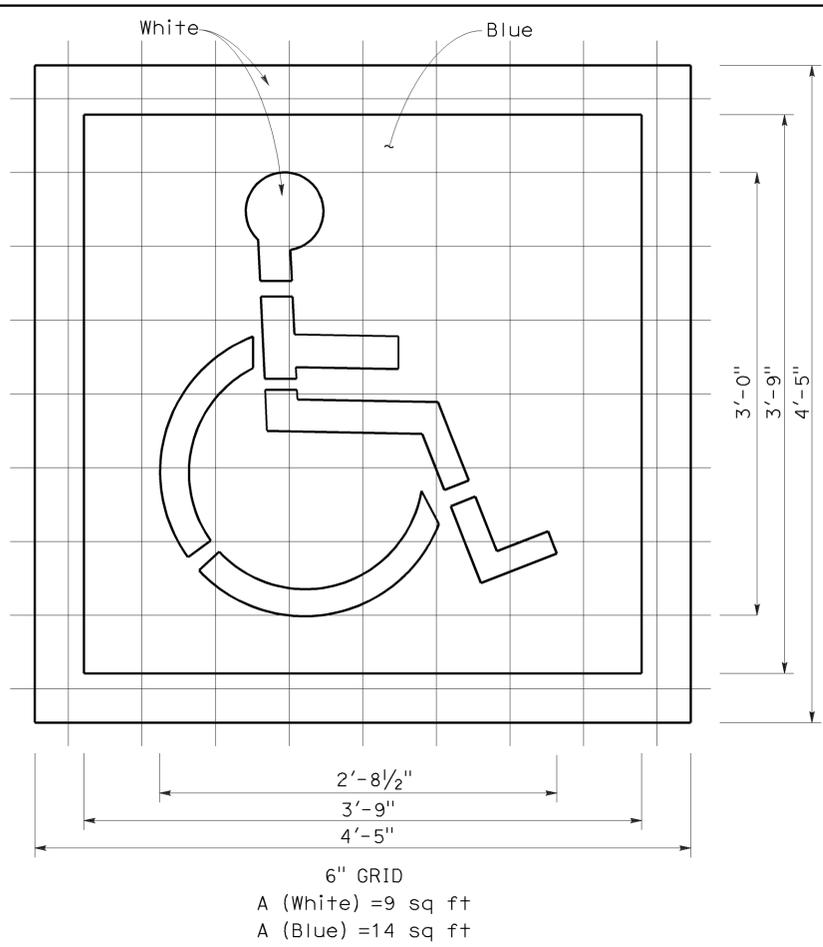
RAILROAD CROSSING SYMBOL
 1'-0" GRID
 A=70 sq ft ✕
 ✕70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



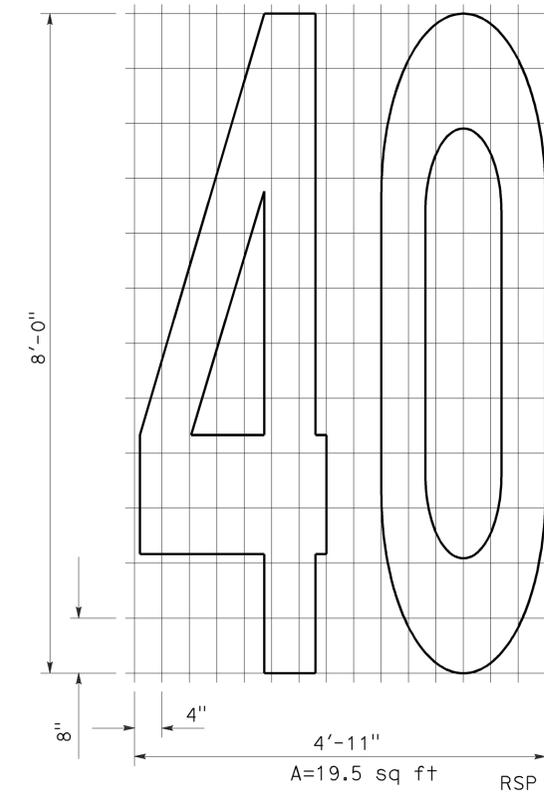
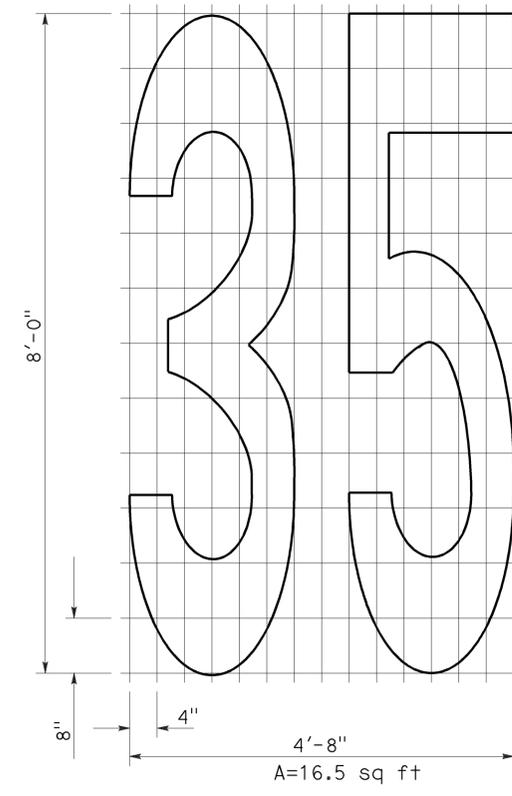
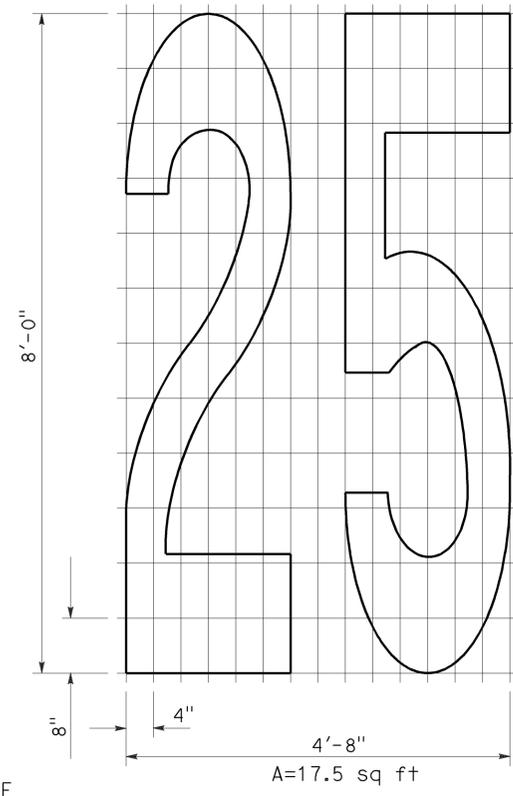
BIKE LANE SYMBOL



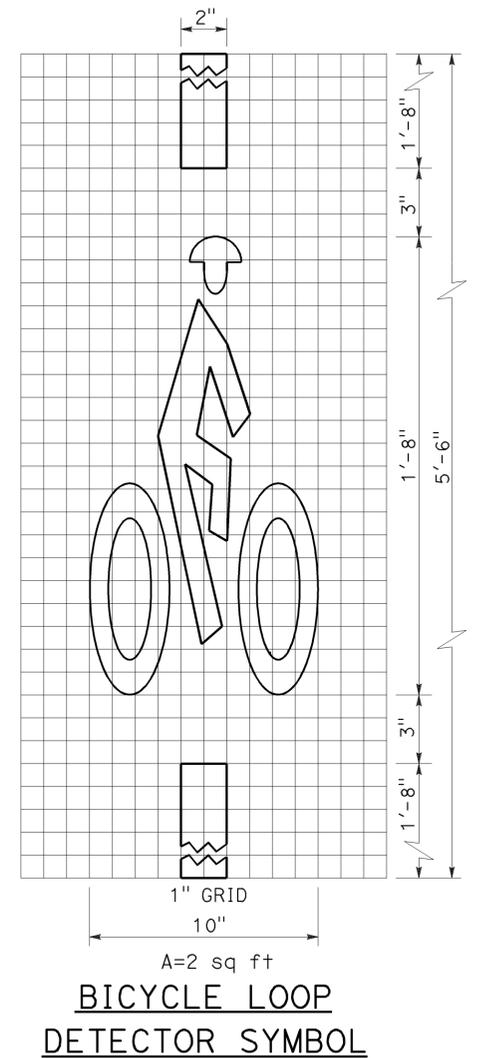
DIAMOND SYMBOL



INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING



NUMERALS



BICYCLE LOOP DETECTOR SYMBOL

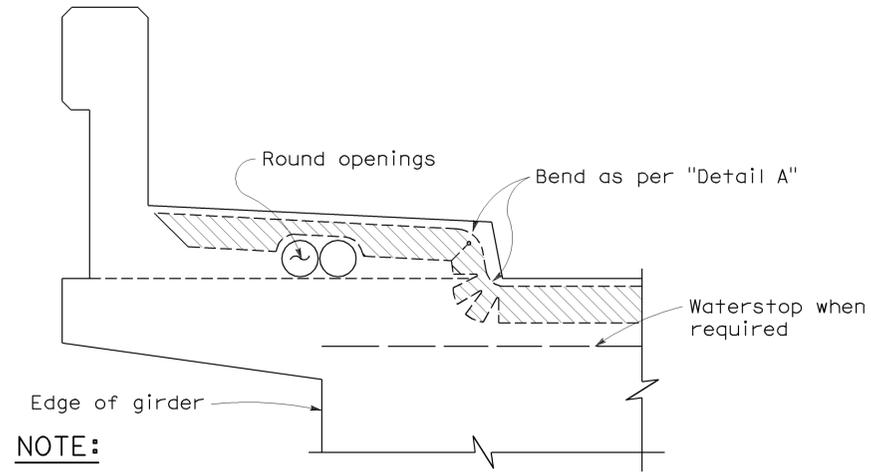
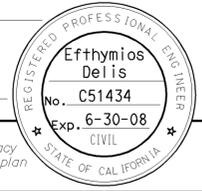
NOTE:
 1. Minor variations in dimensions may be accepted by the Engineer.

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.

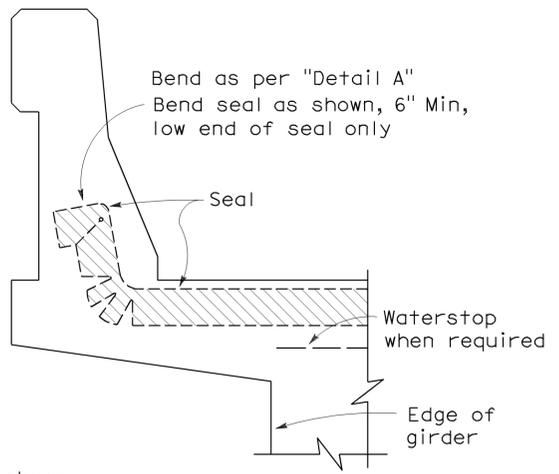
REVISED STANDARD PLAN RSP A24C

2006 REVISED STANDARD PLAN RSP A24C

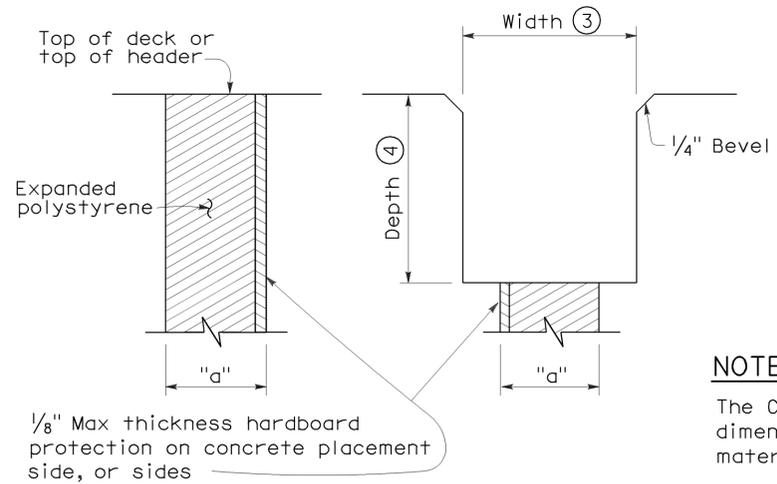


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



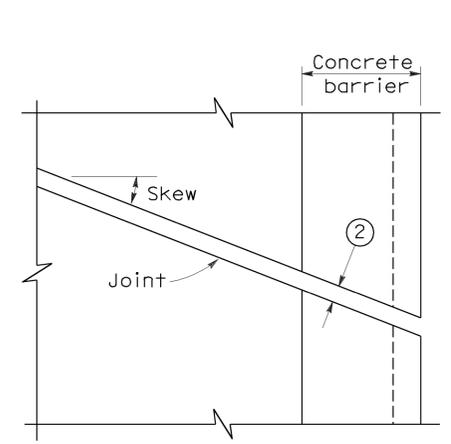
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

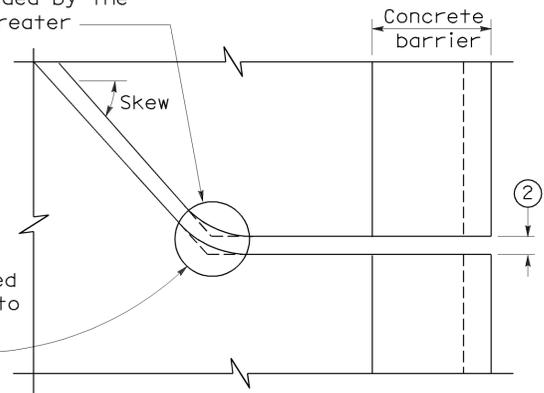
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



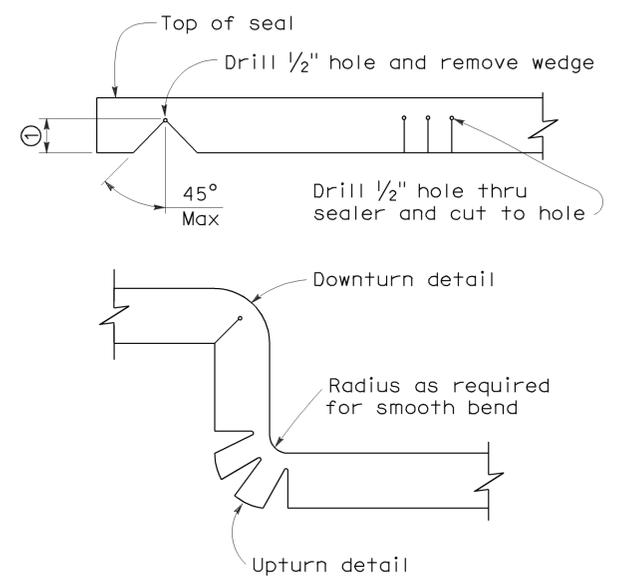
PLAN OF JOINT (SKEW ≤ 20°)

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.

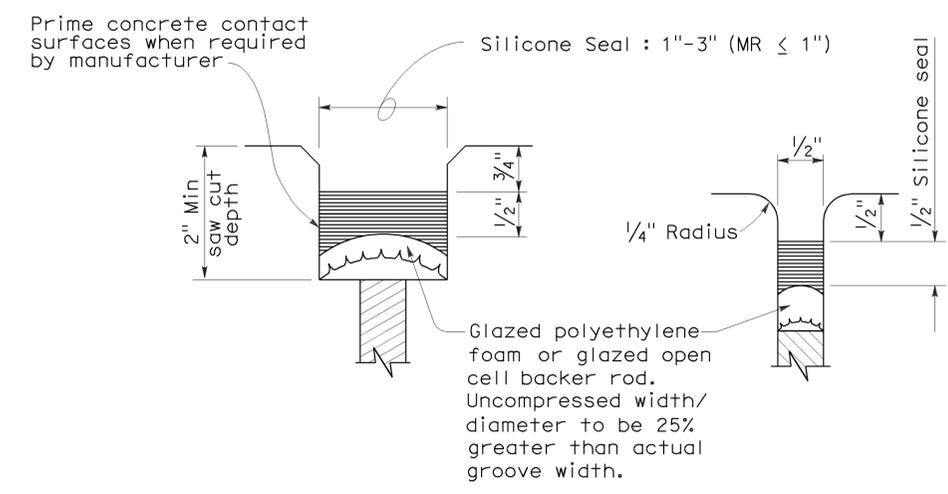


DETAIL A

- 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"

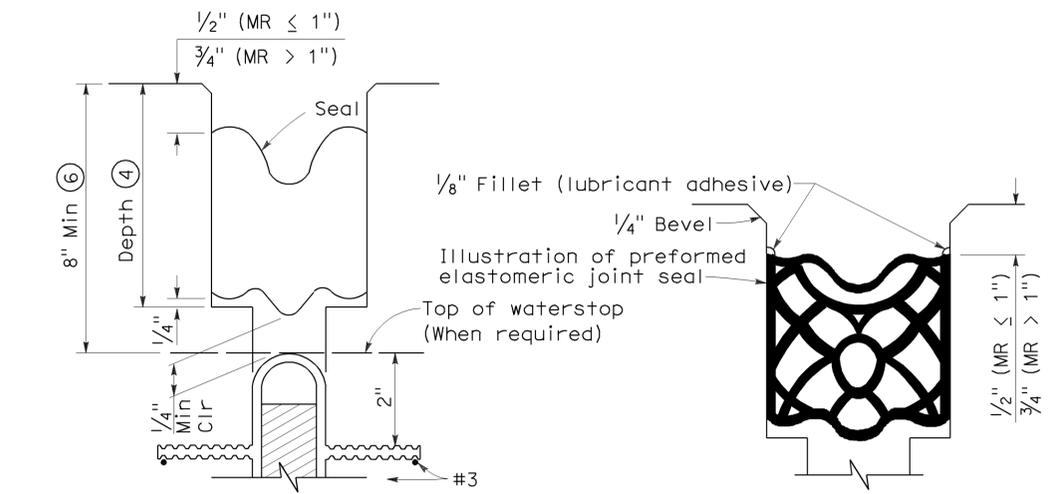


TYPE A SEAL

Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W₂)

TYPE B SEAL

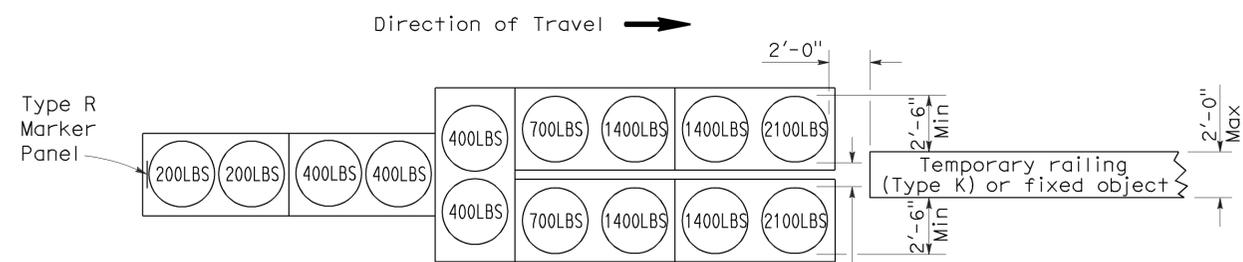
Movement Rating ≤ 2"

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.

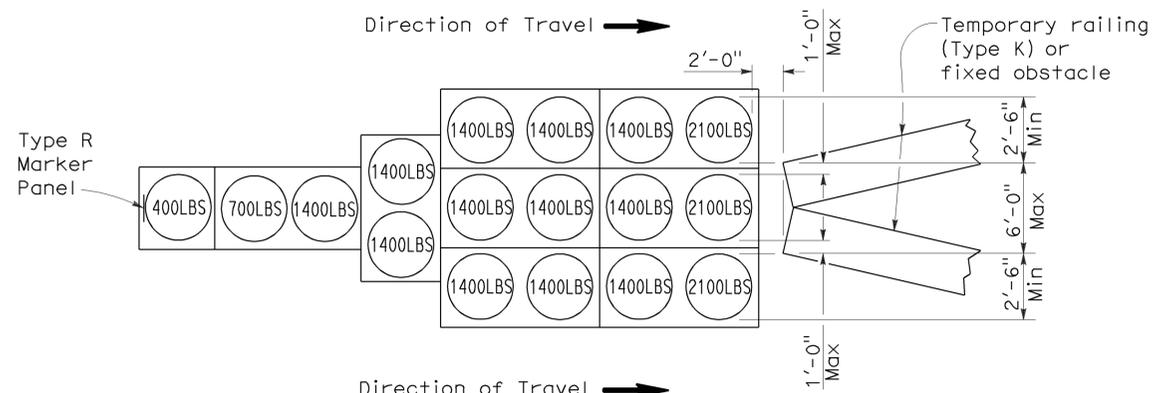
2006 REVISED STANDARD PLAN RSP B6-21

To accompany plans dated 1-31-11



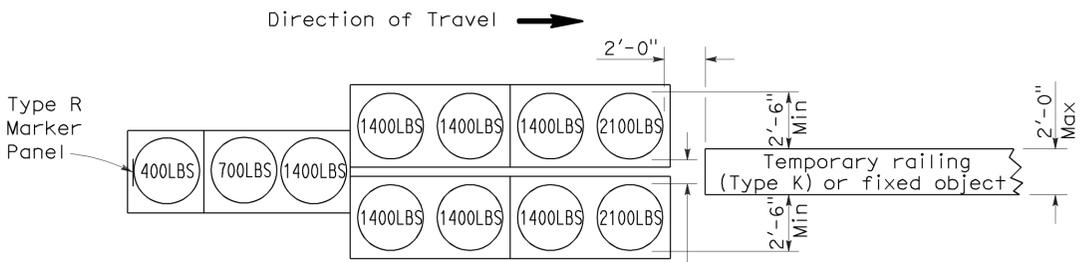
ARRAY 'TU14'

Approach speed 45 mph or more



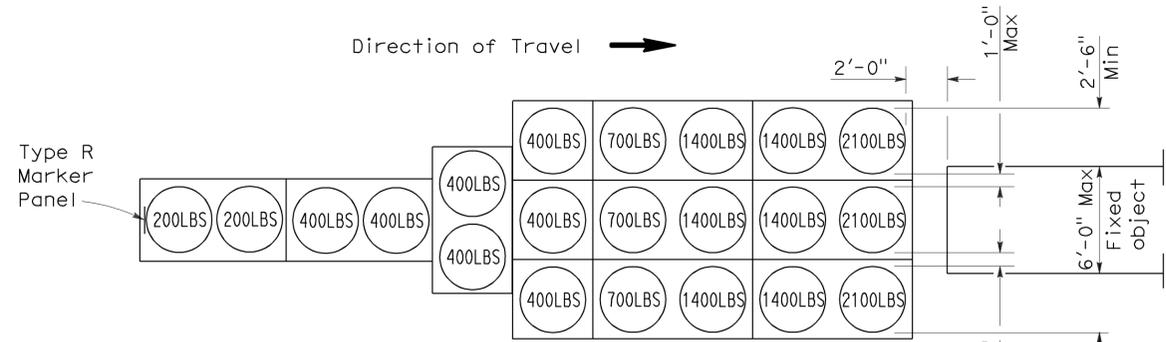
ARRAY 'TU17'

Approach speed less than 45 mph



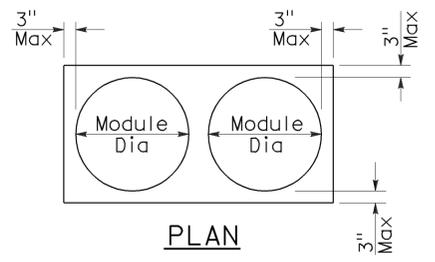
ARRAY 'TU11'

Approach speed less than 45 mph

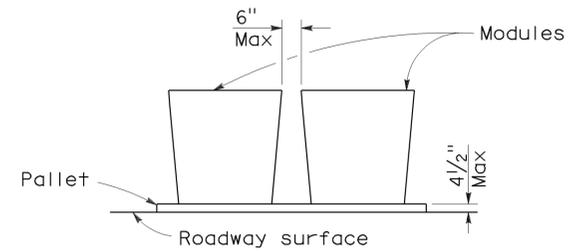


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

REVISED STANDARD PLAN RSP T1A

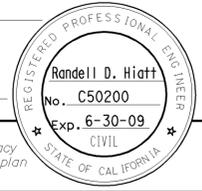
2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	2	14.9/R22.7	13	24

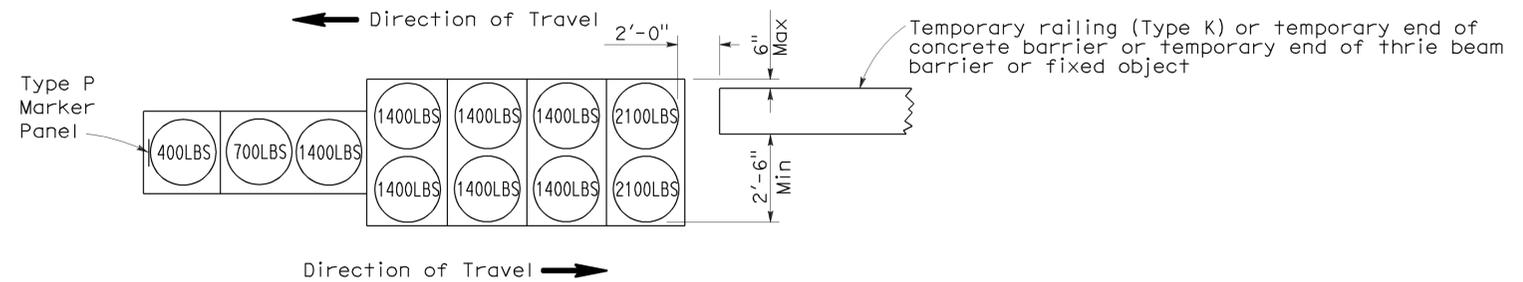
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

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.

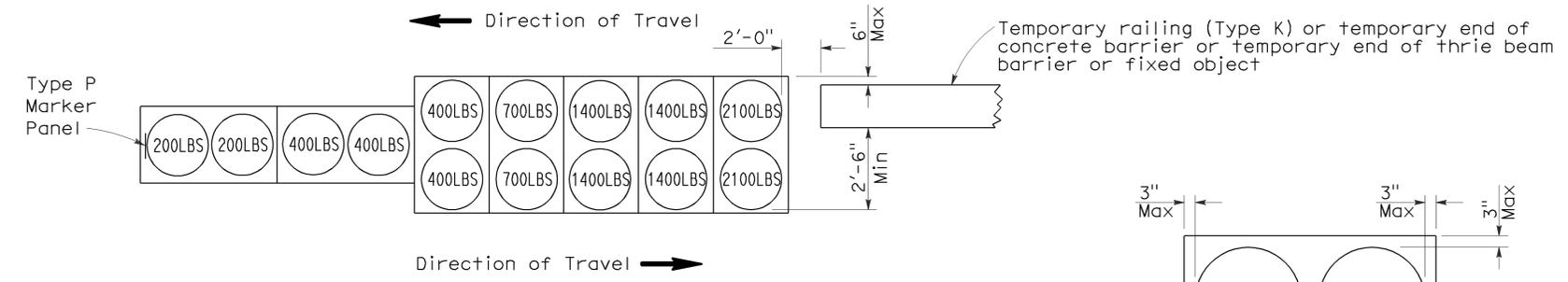


To accompany plans dated 1-31-11



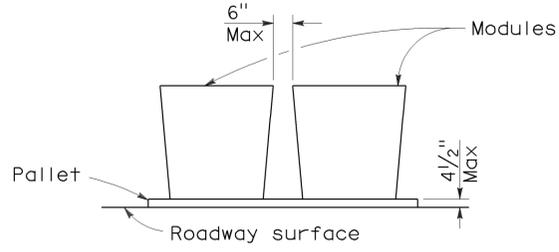
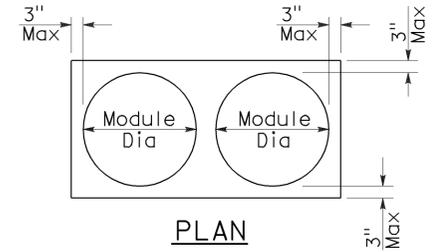
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL
See Note 7

NOTES:

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

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

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

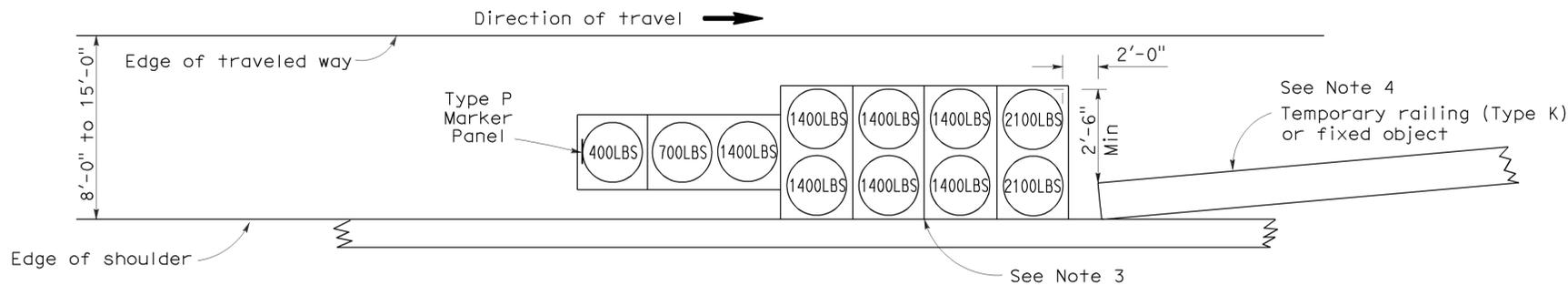
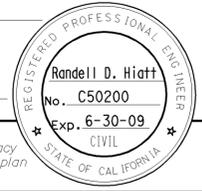
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	2	14.9/R22.7	14	24

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

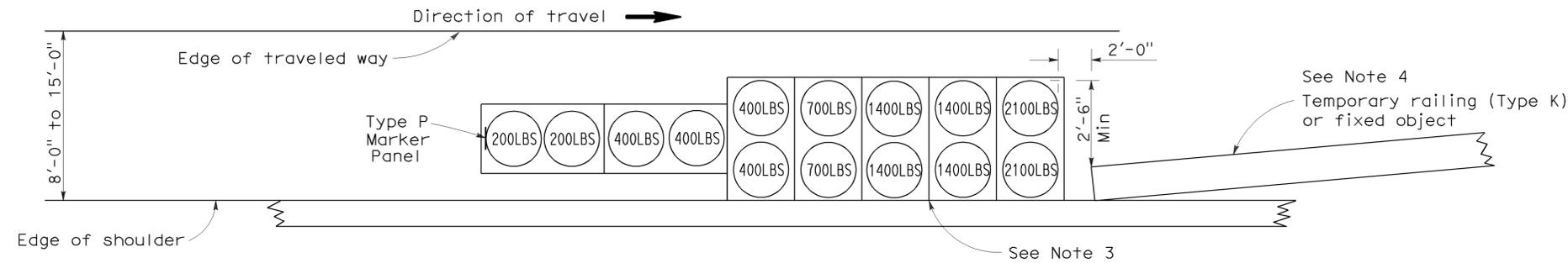
June 6, 2008
PLANS APPROVAL DATE

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 1-31-11



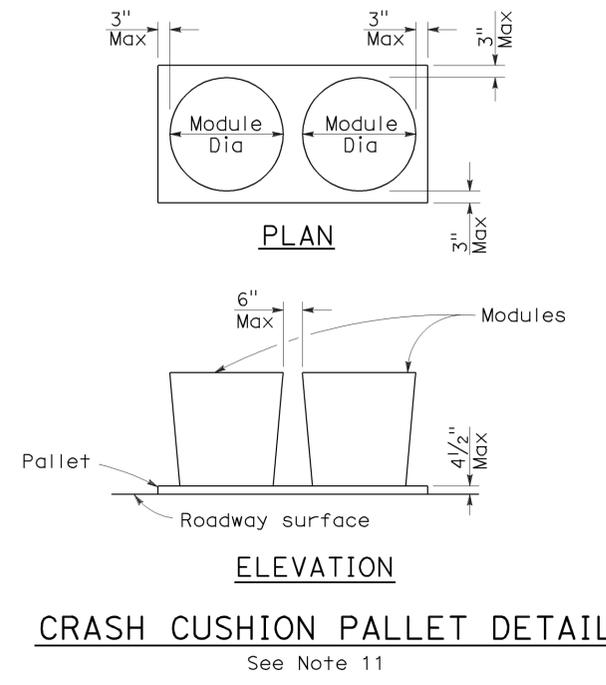
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



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

NOTES:

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



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

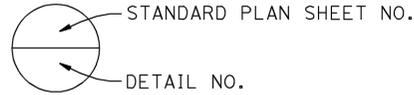
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	2	14.9/R22.7	15	24
Edward Li			10-01-10	REGISTERED CIVIL ENGINEER DATE	
1-31-11			PLANS APPROVAL DATE		
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Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov					

LEGEND:

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

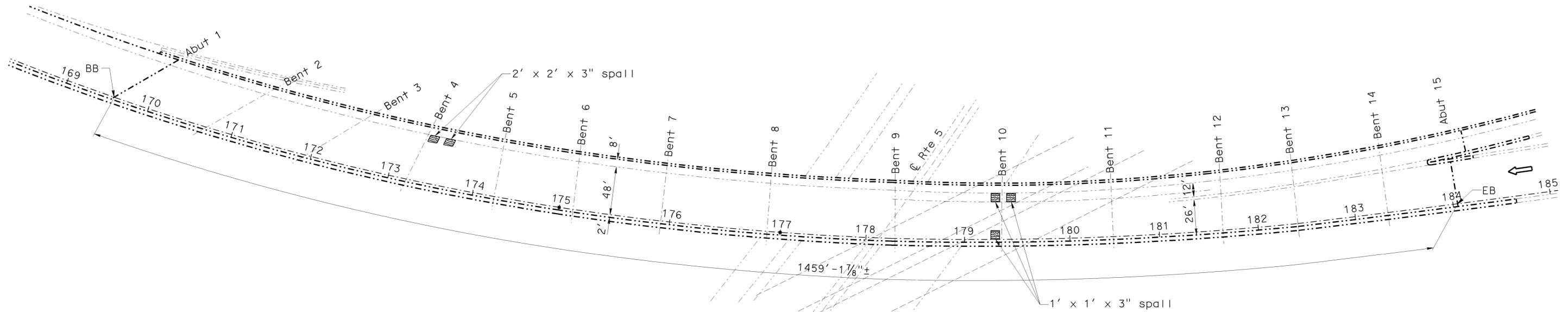
STANDARD PLANS DATED MAY 2006

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")



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	MISCELLANEOUS DETAILS NO. 1
9	MISCELLANEOUS DETAILS NO. 2
10	MISCELLANEOUS DETAILS NO. 3



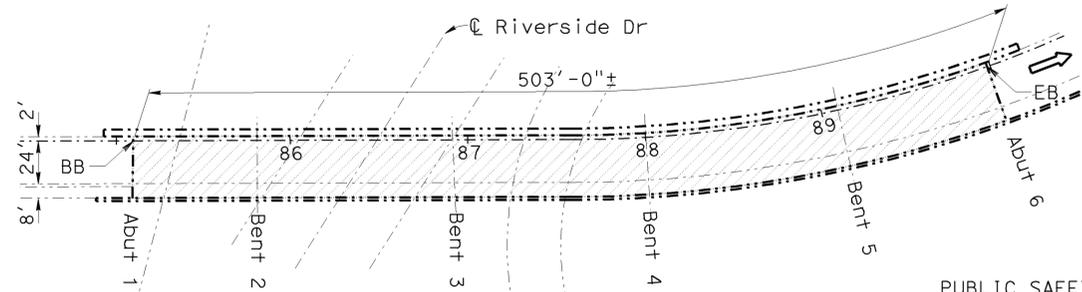
ROUTE 2/5 SEPARATION

Br No. 53-0527L, Rte 2, PM 14.98
Scale 1"=40'



ROUTE 2/5 SEPARATION #53-0527L
QUANTITIES

REMOVE UNSOUND CONCRETE	3 CF
RAPID SETTING CONCRETE (PATCH)	3 CF



RIVERSIDE DRIVE UC

Br No. 53-0567G, Rte 2, PM 14.96
Scale 1"=40'



RIVERSIDE DRIVE UC #53-0567G
QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
REMOVE UNSOUND CONCRETE	45 CF
CLEAN BRIDGE DECK	17,100 SQFT
RAPID SETTING CONCRETE (PATCH)	45 CF
TREAT BRIDGE DECK	17,100 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	215 GAL

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

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Edward Li	CHECKED Gerald Joo	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY Clayton Tom	CHECKED Edward Li	LAYOUT	BY Clayton Tom
QUANTITIES	BY Edward Li	CHECKED Gerald Joo	SPECIFICATIONS	BY Tanya Kershell
				CHECKED Edward Li
				PLANS AND SPECS COMPARED Tanya Kershell

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

**ROUTE 2 BRIDGES
GENERAL PLAN NO. 1**

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 2/4/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



CU 07
EA 4Y0301

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 01 OF 10
	01-08-10 04-29-10 05-04-10 08-26-10 09-23-10 10-01-10 10-12-10	

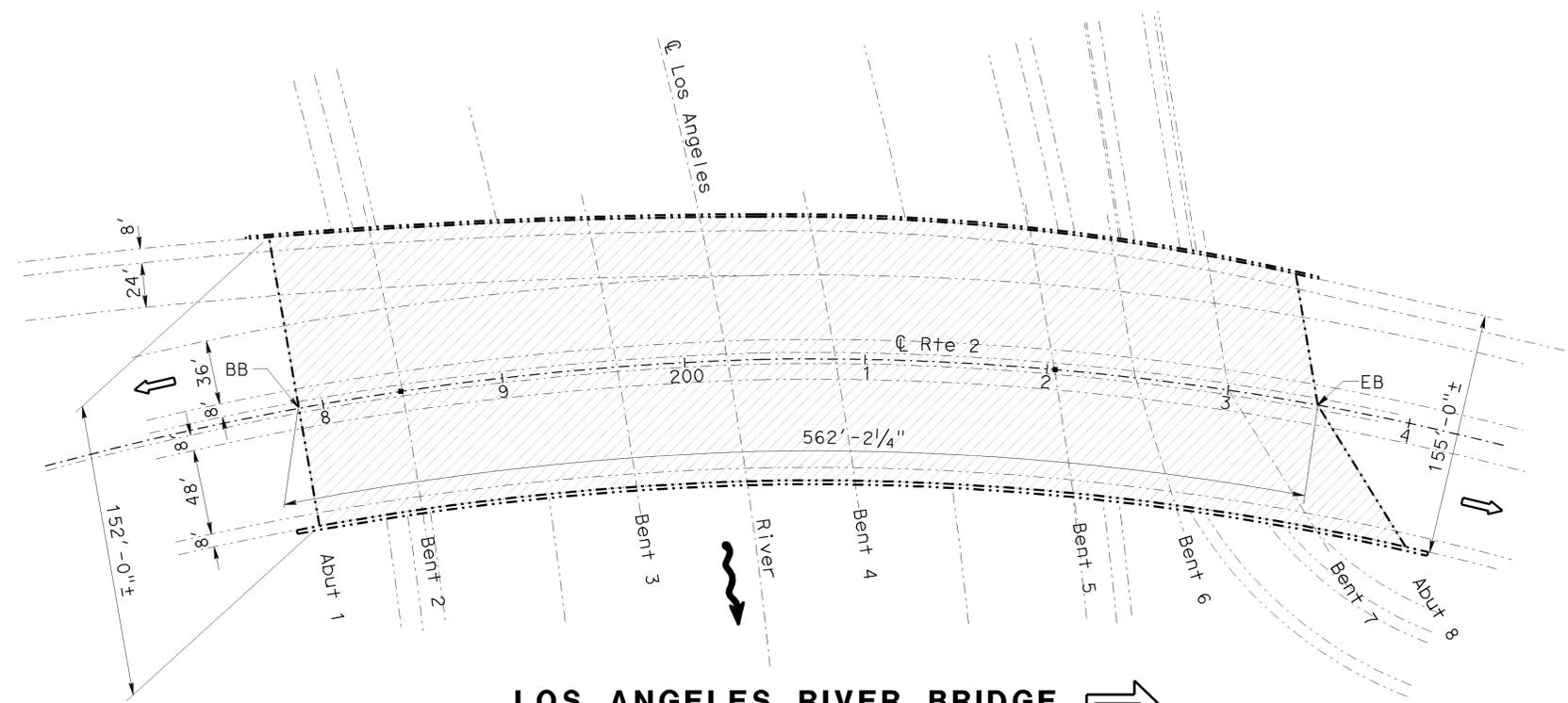
FILE => 07-4Y0301-a-gp01.dgn

USERNAME => s117283 DATE PLOTTED => 12-OCT-2010 TIME PLOTTED => 10:12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	2	14.9/R22.7	16	24
Edward Li			10-01-10	REGISTERED CIVIL ENGINEER DATE	
1-31-11			PLANS APPROVAL DATE		
No. C56706			Exp. 06/30/11		
CIVIL			STATE OF CALIFORNIA		
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LEGEND:

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



LOS ANGELES RIVER BRIDGE

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

LOS ANGELES RIVER BRIDGE #53-0255

QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
REMOVE UNSOUND CONCRETE	185 CF
CLEAN BRIDGE DECK	74,300 SQFT
RAPID SETTING CONCRETE (PATCH)	185 CF
TREAT BRIDGE DECK	74,300 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	930 GAL

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

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Edward Li	CHECKED Gerald Joo	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY Clayton Tom	CHECKED Edward Li	LAYOUT	BY Clayton Tom
QUANTITIES	BY Edward Li	CHECKED Gerald Joo	SPECIFICATIONS	BY Tanya Kershell
				CHECKED Edward Li
				PLANS AND SPECS COMPARED Tanya Kershell

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

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

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 2/4/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



CU 07
EA 4Y0301

DISREGARD PRINTS BEARING EARLIER REVISION DATES	01-08-10	04-29-10	05-04-10	08-26-10	09-23-10	10-01-10	10-12-10
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SHEET 02 OF 10

USERNAME => s117283 DATE PLOTTED => 12-OCT-2010 TIME PLOTTED => 10:12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	2	14.9/R22.7	17	24

Edward Li 10-01-10
REGISTERED CIVIL ENGINEER DATE

1-31-11
PLANS APPROVAL DATE

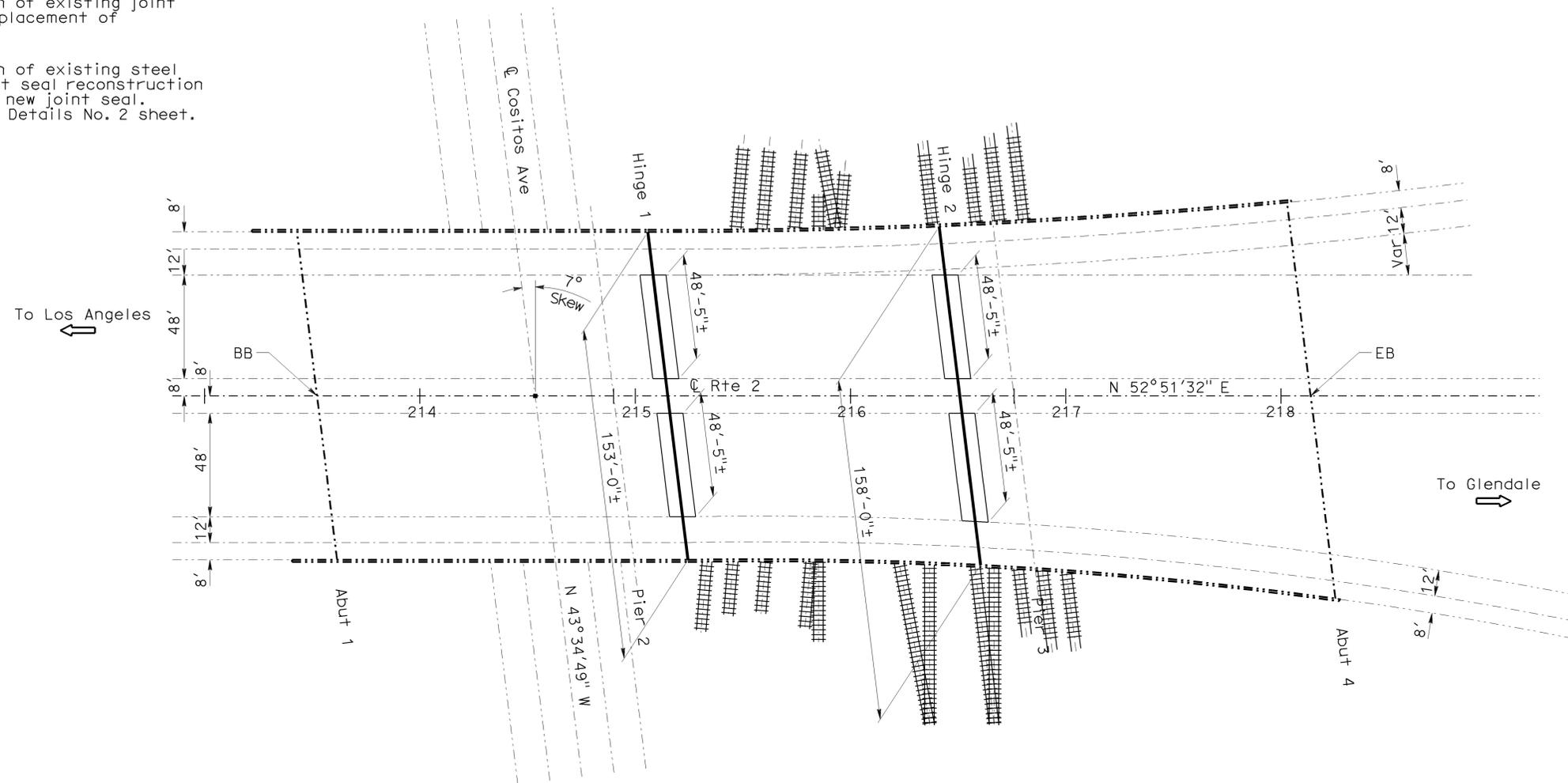
No. C56706
Exp. 06/30/11
CIVIL

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LEGEND:

- Indicates existing.
- ➔ Indicates direction of traffic.
- Indicates location of existing joint seal removal and placement of new joint seal.
- ▭ Indicates location of existing steel plate sliding joint seal reconstruction and placement of new joint seal. See Miscellaneous Details No. 2 sheet.



TAYLOR YARD OH

Br No. 53-1039, Rte 2, PM 15.81
Scale 1"=30'

TAYLOR YARD OH #53-1039

QUANTITIES

REMOVE UNSOUND CONCRETE	2 CF
CLEAN EXPANSION JOINT	311 LF
RAPID SETTING CONCRETE (PATCH)	2 CF
JOINT SEAL (MR 1 1/2")	311 LF
MISCELLANEOUS METAL (BRIDGE)	3,950 LB

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

TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Edward Li	CHECKED Gerald Joo	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 2 BRIDGES GENERAL PLAN NO. 3						
	DETAILS	BY Clayton Tom	CHECKED Edward Li	LAYOUT	BY Clayton Tom			CHECKED Edward Li		POST MILE					
	QUANTITIES	BY Edward Li	CHECKED Gerald Joo	SPECIFICATIONS	BY Tanya Kershell			CHECKED Tanya Kershell		PLANS AND SPECS COMPARED	VARIES				
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 2/4/05)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 07 EA 4Y0301	DISREGARD PRINTS BEARING EARLIER REVISION DATES	<table border="1"> <tr> <th>REVISION DATES</th> <th>SHEET</th> <th>OF</th> </tr> <tr> <td>01-08-10 04-29-10 05-04-10 05-26-10 09-23-10 10-01-10 10-12-10</td> <td>03</td> <td>10</td> </tr> </table>	REVISION DATES	SHEET	OF	01-08-10 04-29-10 05-04-10 05-26-10 09-23-10 10-01-10 10-12-10	03	10
REVISION DATES	SHEET	OF													
01-08-10 04-29-10 05-04-10 05-26-10 09-23-10 10-01-10 10-12-10	03	10													

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	2	14.9/R22.7	18	24

Edward Li 10-01-10
REGISTERED CIVIL ENGINEER DATE

1-31-11
PLANS APPROVAL DATE

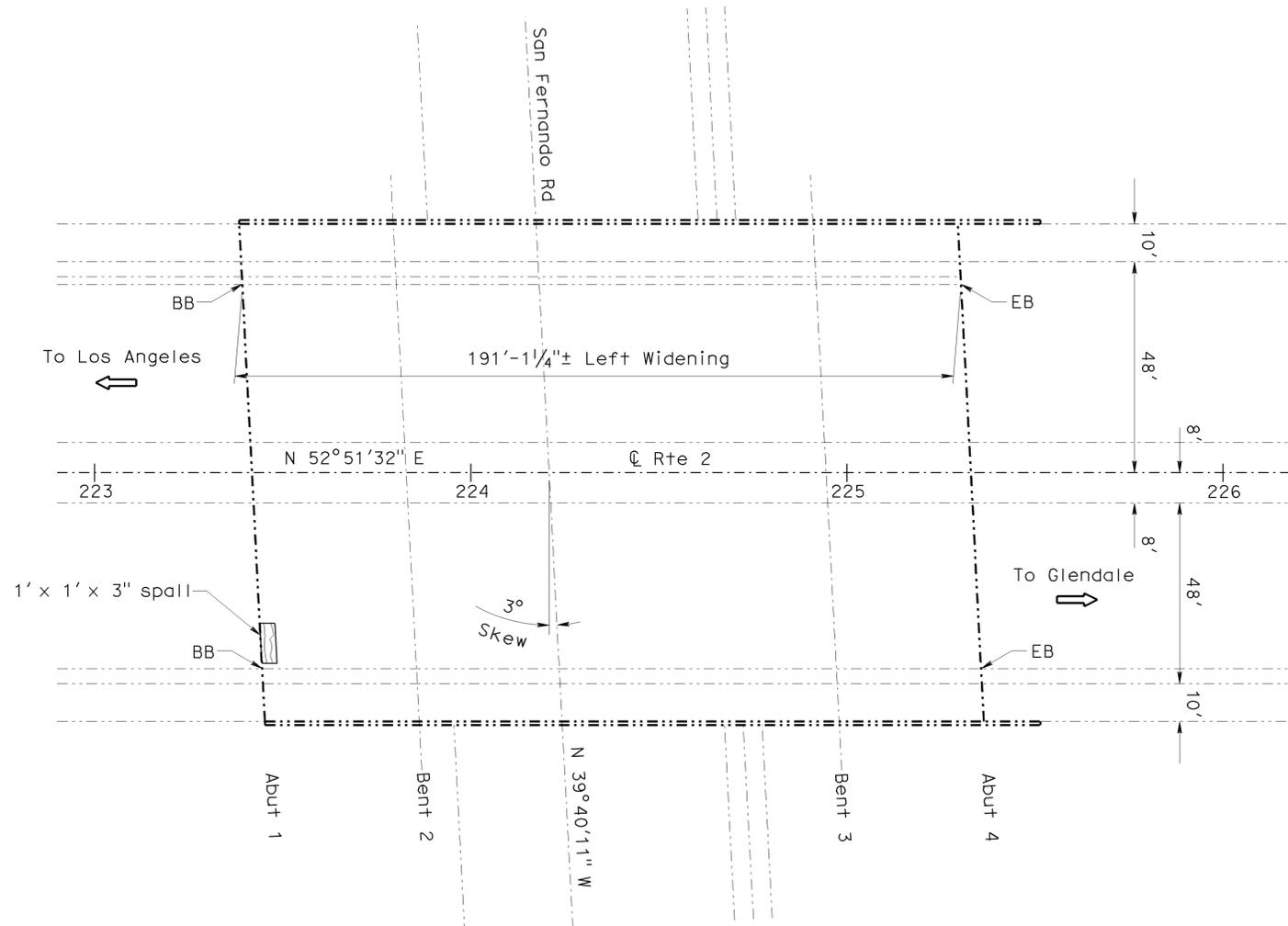
No. C56706
Exp. 06/30/11
CIVIL
STATE OF CALIFORNIA

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LEGEND:

- - - - - Indicates existing.
- ⇒ Indicates direction of traffic.
- Indicates location of existing joint seal removal and placement of new joint seal.

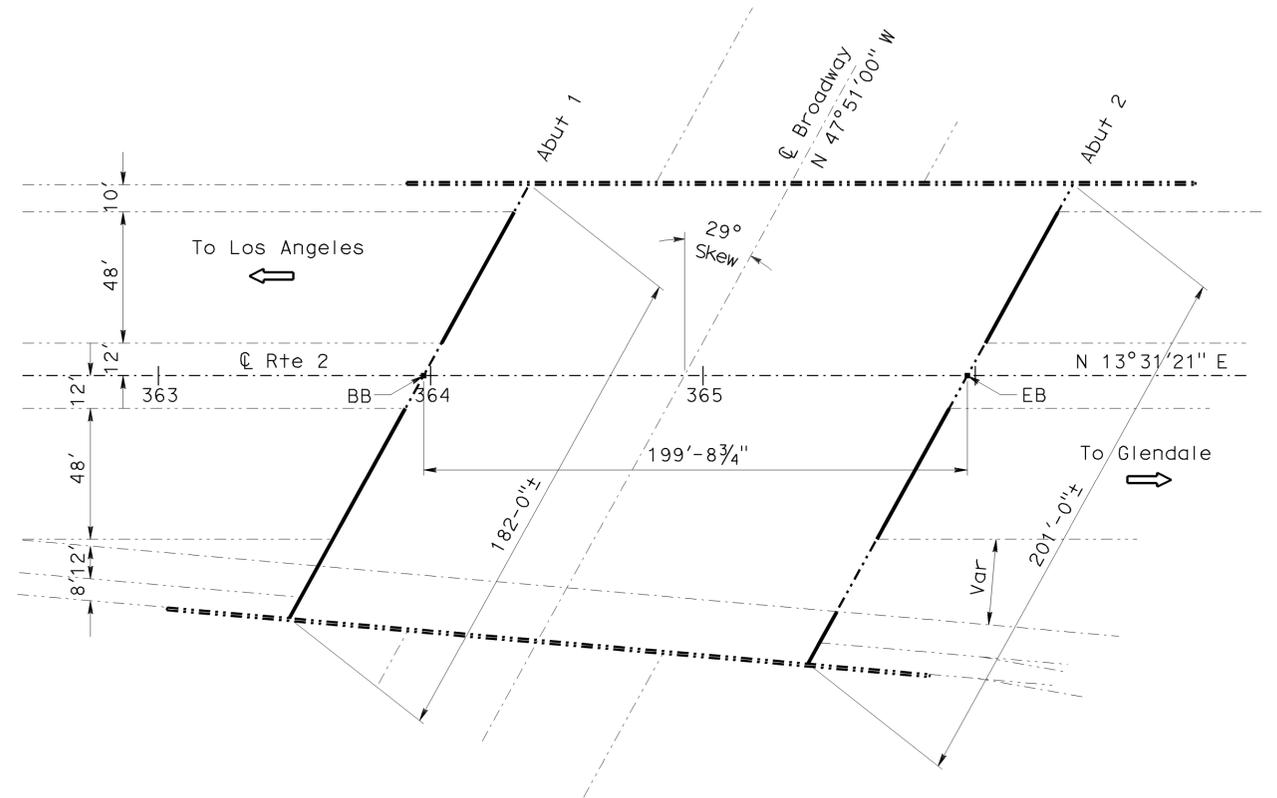


SAN FERNANDO ROAD UC

Br No. 53-0743, Rte 2, PM 16.02
No Scale

SAN FERNANDO ROAD UC #53-0743
QUANTITIES

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



BROADWAY UC

Br No. 53-1916, Rte 2, PM 18.65
No Scale

BROADWAY UC #53-1916
QUANTITIES

REMOVE UNSOUND CONCRETE 2 CF
CLEAN EXPANSION JOINT 383 LF
RAPID SETTING CONCRETE (PATCH) 2 CF
JOINT SEAL (MR 1 1/2") 383 LF

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

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Edward Li	CHECKED Gerald Joo	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY Clayton Tom	CHECKED Edward Li	LAYOUT	BY Clayton Tom
QUANTITIES	BY Edward Li	CHECKED Gerald Joo	SPECIFICATIONS	BY Tanya Kershell
				CHECKED Edward Li
				PLANS AND SPECS COMPARED Tanya Kershell

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

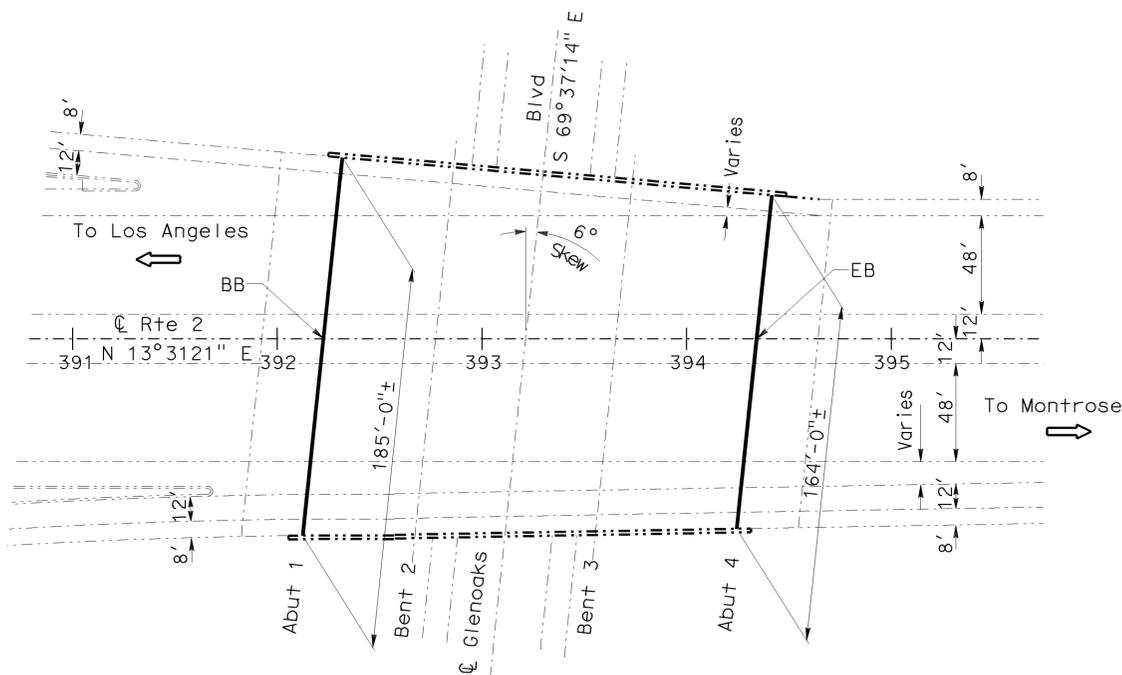
**ROUTE 2 BRIDGES
GENERAL PLAN NO. 4**

USERNAME => s117283 DATE PLOTTED => 12-OCT-2010 TIME PLOTTED => 10:17

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	2	14.9/R22.7	19	24
Edward Li			10-01-10	REGISTERED CIVIL ENGINEER DATE	
1-31-11			PLANS APPROVAL DATE		
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Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov					

LEGEND:

- Indicates existing.
- Indicates direction of traffic.
- Indicates location of existing joint seal removal and replacement of new joint seal.
- ▨ Indicates removal of unsound concrete and place rapid setting concrete patch. Actual area may vary and will be determined by the Engineer.



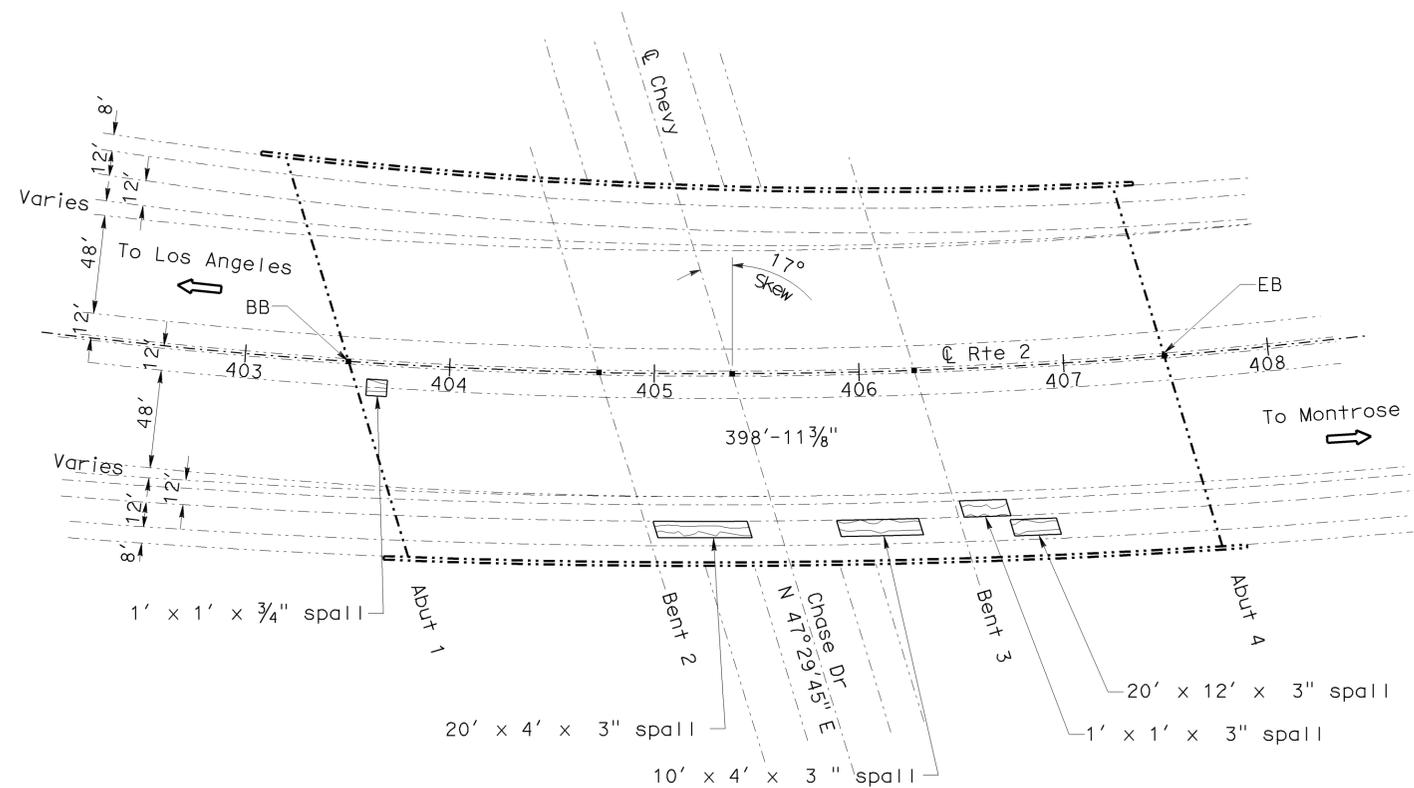
GLENOAKS BOULEVARD UC

Br No. 53-1967, Rte 2, PM 19.18
Scale 1"=40'

GLENOAKS BOULEVARD UC #53-1967

QUANTITIES

REMOVE UNSOUND CONCRETE	2 CF
CLEAN EXPANSION JOINT	349 LF
RAPID SETTING CONCRETE (PATCH)	2 CF
JOINT SEAL (MR 1 1/2")	349 LF



CHEVY CHASE DRIVE UC

Br No. 53-1968, Rte 2, PM 19.39
Scale 1"=40'

CHEVY CHASE DRIVE UC #53-1968

QUANTITIES

REMOVE UNSOUND CONCRETE	90 CF
RAPID SETTING CONCRETE (PATCH)	90 CF

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

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Edward Li	CHECKED Gerald Joo	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY Clayton Tom	CHECKED Edward Li	LAYOUT	BY Clayton Tom
QUANTITIES	BY Edward Li	CHECKED Gerald Joo	SPECIFICATIONS	BY Tanya Kershell
				CHECKED Edward Li
				PLANS AND SPECS COMPARED Tanya Kershell

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

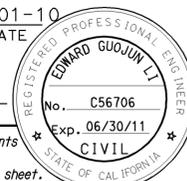
DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

**ROUTE 2 BRIDGES
GENERAL PLAN NO. 5**

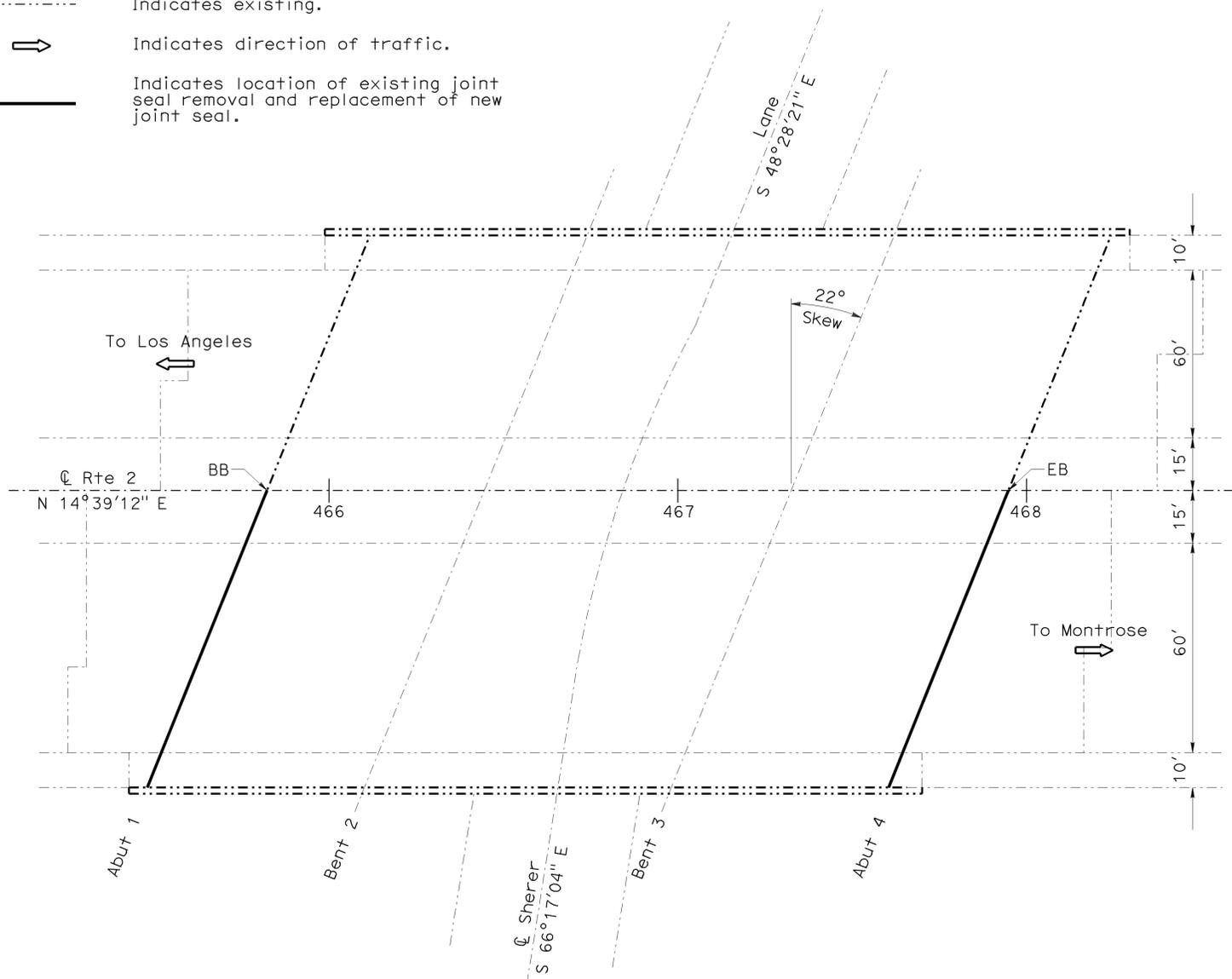


DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF
	01-08-10 01-29-10 05-04-10 08-26-10 09-23-10 10-31-10 10-12-10	05	10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	2	14.9/R22.7	20	24
<i>Edward Li</i> REGISTERED CIVIL ENGINEER DATE 10-01-10					
1-31-11			PLANS APPROVAL DATE		
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<small>Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov</small>					

LEGEND:

- - - - - Indicates existing.
- ⇒ Indicates direction of traffic.
- Indicates location of existing joint seal removal and replacement of new joint seal.



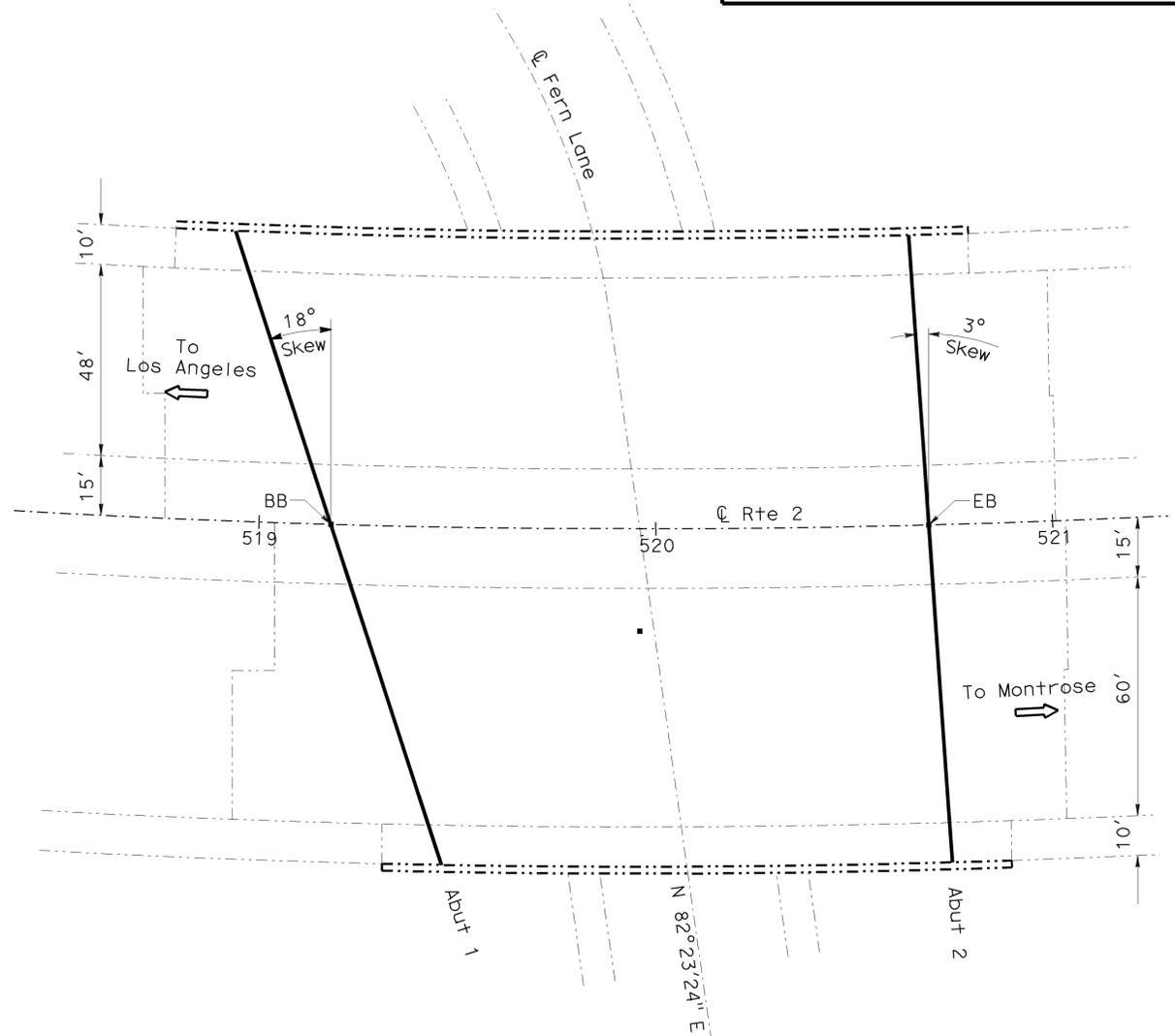
SHERER LANE UC

Br No. 53-1894, Rte 2, PM 20.57
 Scale 1"=20'

SHERER LANE UC #53-1894
 QUANTITIES

REMOVE UNSOUND CONCRETE	2 CF
CLEAN EXPANSION JOINT	184 LF
RAPID SETTING CONCRETE (PATCH)	2 CF
JOINT SEAL (MR 1 1/2")	184 LF

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



FERN LANE UC

Br No. 53-2366, Rte 2, PM 21.59
 Scale 1"=20'

FERN LANE UC #53-2366
 QUANTITIES

REMOVE UNSOUND CONCRETE	2 CF
CLEAN EXPANSION JOINT	324 LF
RAPID SETTING CONCRETE (PATCH)	2 CF
JOINT SEAL (MR 1 1/2")	324 LF

TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Edward Li	CHECKED Gerald Joo	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
	DETAILS	BY Clayton Tom	CHECKED Edward Li	LAYOUT	BY Clayton Tom
	QUANTITIES	BY Edward Li	CHECKED Gerald Joo	SPECIFICATIONS	BY Tanya Kershell
				PLANS AND SPECS COMPARED	Tanya Kershell

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

ROUTE 2 BRIDGES
GENERAL PLAN NO. 6

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	2	14.9/R22.7	21	24

Edward Li 10-01-10
 REGISTERED CIVIL ENGINEER DATE

1-31-11
 PLANS APPROVAL DATE

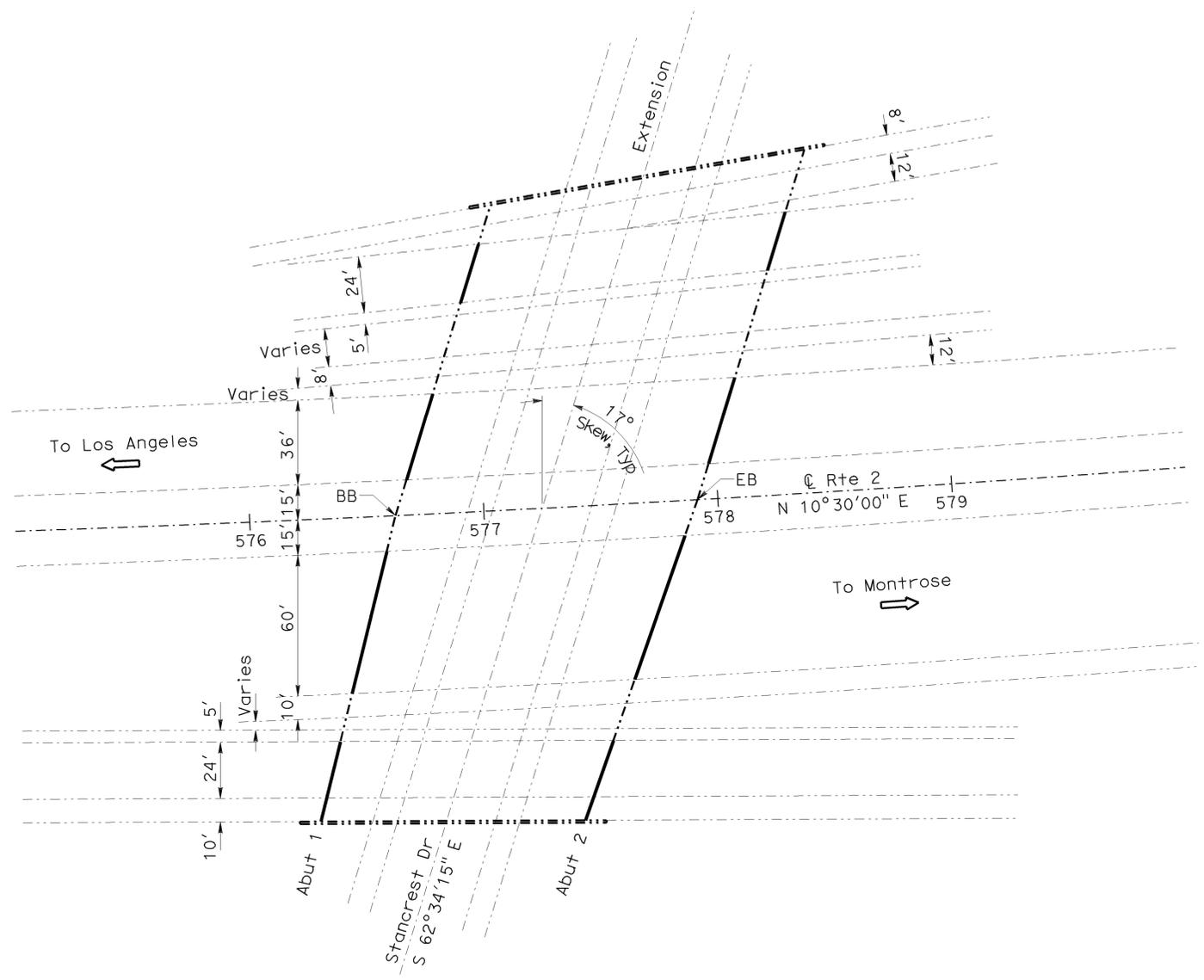
No. C56706
 Exp. 06/30/11
 CIVIL

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LEGEND:

- - - - - Indicates existing.
- ⇒ Indicates direction of traffic.
- Indicates location of existing joint seal removal and placement of new joint seal.



STANCREST DRIVE UC ⇒

Br No. 53-2242, Rte 2, PM 22.69
 Scale 1"=30'

STANCREST DRIVE UC #53-2242
 QUANTITIES

REMOVE UNSOUND CONCRETE	2 CF
CLEAN EXPANSION JOINT	322 LF
RAPID SETTING CONCRETE (PATCH)	2 CF
JOINT SEAL (MR 1 1/2")	322 LF

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

TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Edward Li	CHECKED Gerald Joo	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 2 BRIDGES GENERAL PLAN NO. 7						
	DETAILS	BY Clayton Tom	CHECKED Edward Li	LAYOUT	BY Clayton Tom			CHECKED Edward Li		Various					
	QUANTITIES	BY Edward Li	CHECKED Gerald Joo	SPECIFICATIONS	BY Tanya Kershell			PLANS AND SPECS COMPARED Tanya Kershell		Varies					
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 2/4/05)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 07 EA 4Y0301	DISREGARD PRINTS BEARING EARLIER REVISION DATES	<table border="1"> <tr> <th>REVISION DATES</th> <th>SHEET</th> <th>OF</th> </tr> <tr> <td>01-08-10 01-29-10 05-04-10 05-26-10 09-23-10 10-01-10 10-12-10</td> <td>07</td> <td>10</td> </tr> </table>	REVISION DATES	SHEET	OF	01-08-10 01-29-10 05-04-10 05-26-10 09-23-10 10-01-10 10-12-10	07	10
REVISION DATES	SHEET	OF													
01-08-10 01-29-10 05-04-10 05-26-10 09-23-10 10-01-10 10-12-10	07	10													

USERNAME => s117283 DATE PLOTTED => 12-OCT-2010 TIME PLOTTED => 10:20

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	2	14.9/R22.7	22	24

Edward Li 10-01-10
REGISTERED CIVIL ENGINEER DATE

1-31-11
PLANS APPROVAL DATE

No. C56706
Exp. 06/30/11
CIVIL
STATE OF CALIFORNIA

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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)
Taylor Yard OH	53-1039	Hinge 1	1 1/2	153	No	16	3	6	5
		Hinge 2	1 1/2	158	No	16	3	6	5
Broadway UC	53-1916	Abut 1, PN	1 1/2	182	No	12	3	6	5
		Abut 2, PN	1 1/2	201	No	12	3	6	5
Glenoaks Blvd UC	53-1967	Abut 1, PN	1 1/2	185	No	12	3	6	5
		Abut 4, PN	1 1/2	164	No	12	3	6	5
Sherer Lane UC	53-1894	Abut 1, PN	1 1/2	92	No	12	3	6	5
		Abut 4, PN	1 1/2	92	No	12	3	6	5
Fern Lane UC	53-2366	Abut 1, PN	1 1/2	166	No	12	3	6	5
		Abut 2, PN	1 1/2	158	No	12	3	6	5
Stancrest Drive UC	53-2242	Abut 1, PN	1 1/2	161	No	12	3	6	5
		Abut 2, PN	1 1/2	161	No	12	3	6	5

NOTES:

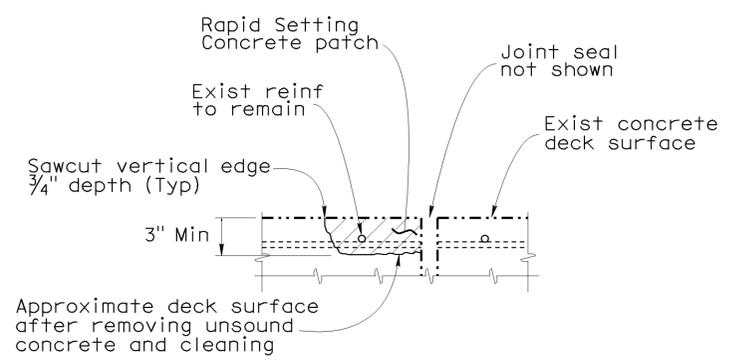
The following notes apply to JOINT SEAL TYPE A:

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.

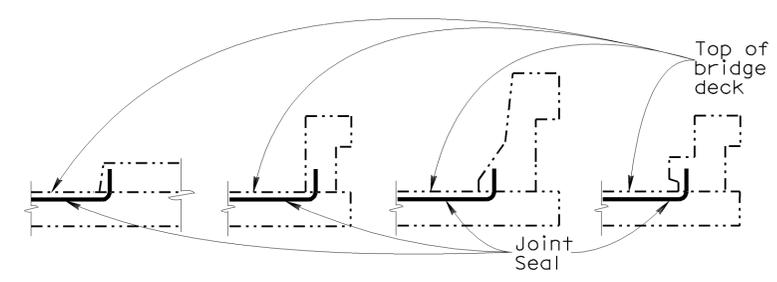
The following notes apply to JOINT SEAL TYPE B:

- 1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
 - 2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be recalculated by the Engineer.
 - 3) W1 shall be the smaller of the values determined as follows:
 - A) 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
 - B) The width of the seal on the third successive test cycle of the pressure deflection test, when compressed to an average pressure of 3.0 PSI.
 - 4) 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 SPALL REPAIR DETAIL

Reinforcement may be encountered during deck concrete removal and is to remain undamaged.

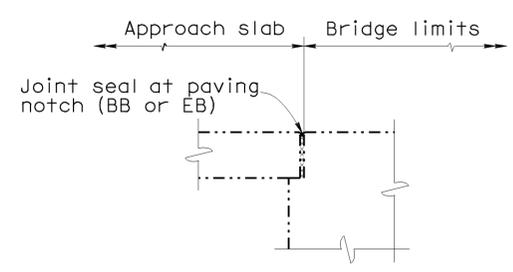


BARRIER RAIL

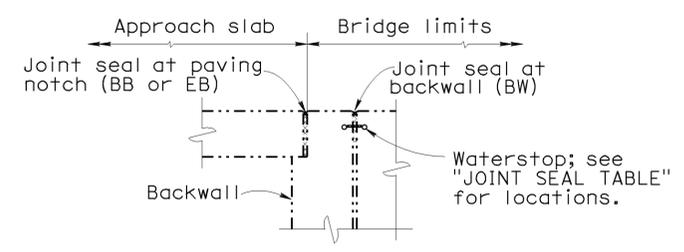
JOINT SEAL AT LOW SIDE OF DECK

Note: Details shown for illustration purposes only.

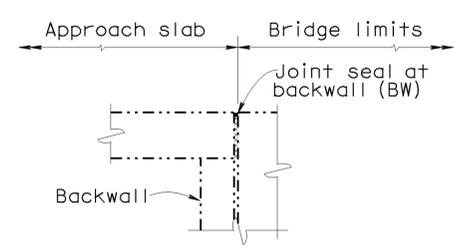
For use only where deck joint matches the sidewalk, curb or barrier rail joint.



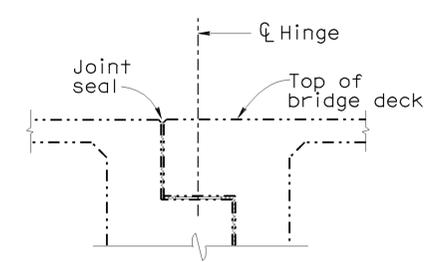
DIAPHRAGM ABUTMENT



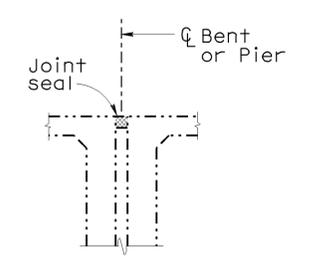
ABUTMENT WITH BACKWALL AND PAVING NOTCH



ABUTMENT WITH BACKWALL



HINGE



BENT OR PIER

JOINT SEAL LOCATION

NO SCALE

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

DESIGN	BY	Edward Li	CHECKED	Gerald Joo	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	Various	ROUTES 2 BRIDGES			
	DETAILS	BY	Clayton Tom	CHECKED			Edward Li			POST MILE	Varies	MISCELLANEOUS DETAILS NO. 1
	QUANTITIES	BY	Edward Li	CHECKED			Gerald Joo			REVISION DATES		
STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 2/4/05)					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 07 EA 4Y0301	DISREGARD PRINTS BEARING EARLIER REVISION DATES	01-08-10 05-29-10 05-04-10 05-26-10 09-23-10 10-01-10 10-12-10	08	10		

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	2	14.9/R22.7	23	24

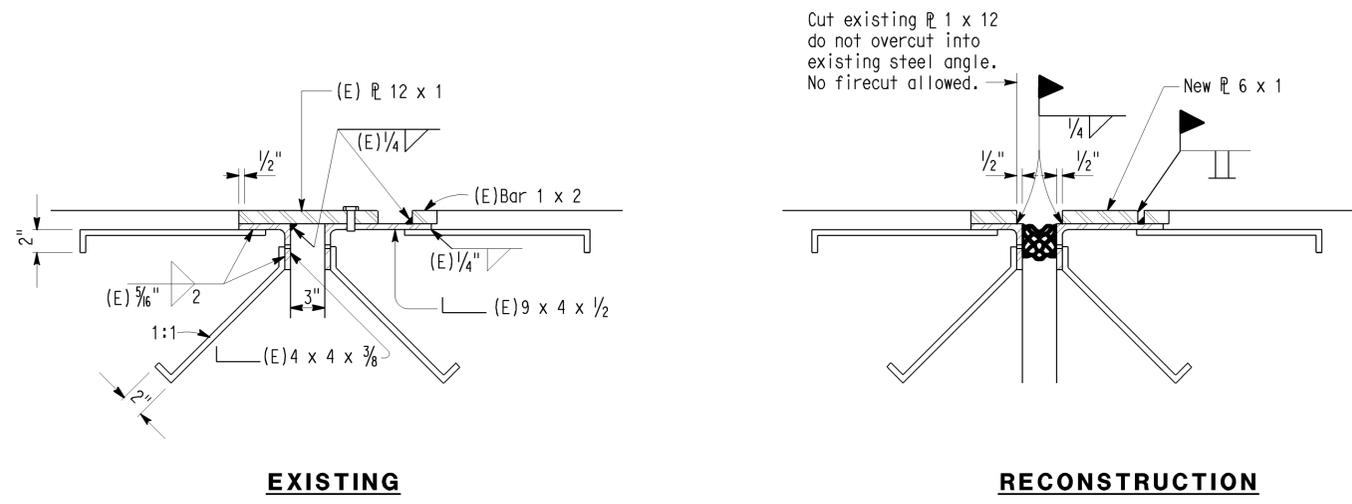
Edward Li 10-01-10
 REGISTERED CIVIL ENGINEER DATE

1-31-11
 PLANS APPROVAL DATE

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**JOINT SEAL RECONSTRUCTION
 (TAYLOR YARD OH/Br No. 53-1039, PM 15.81)**

No Scale

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

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 2/4/05)	DESIGN	BY Edward Li	CHECKED Gerald Joo	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	Various	ROUTES 2 BRIDGES					
	DETAILS	BY Clayton Tom	CHECKED Edward Li			POST MILE		Varies	MISCELLANEOUS DETAILS NO. 2				
	QUANTITIES	BY Edward Li	CHECKED Gerald Joo			CU 07 EA 4Y0301			REVISION DATES	05-14-10	08-26-10	09-23-10	10-21-10

USERNAME => s117283 DATE PLOTTED => 12-OCT-2010 TIME PLOTTED => 10:22
 FILE => 07-4Y0301-u-miscd+02.dgn

