ACBRIM-210-1(805)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	1	29

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION AREA SIGNS
3-8	TRAFFIC HANDLING DETAILS
9-10	PAVEMENT DELINEATION QUANTITIES
11-14	REVISED STANDARD PLANS

STRUCTURES

15-29 ROUTE 210 BRIDGES

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

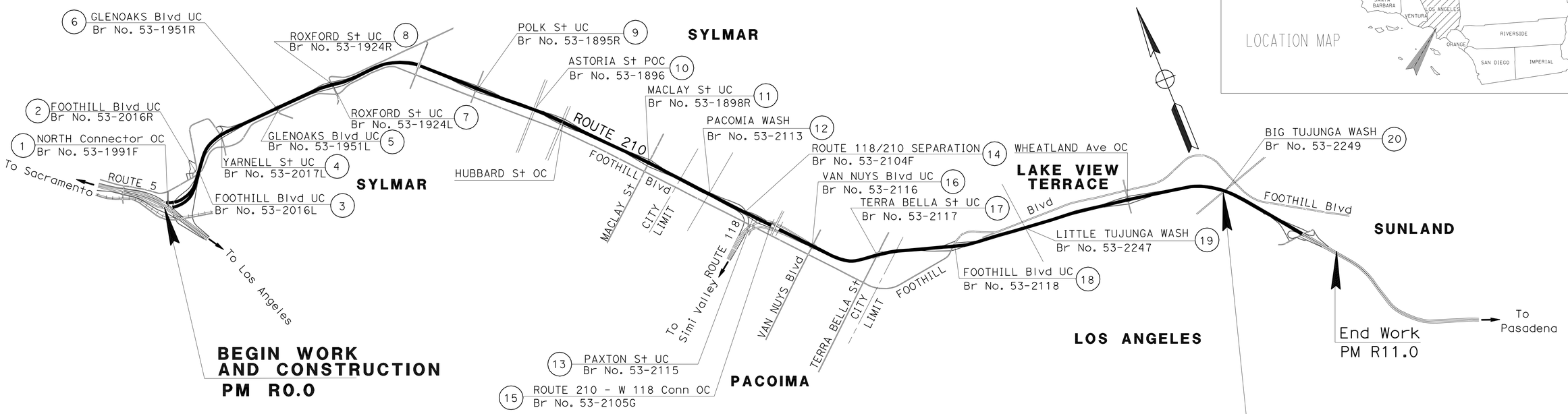
STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN LOS ANGELES COUNTY AT VARIOUS LOCATIONS FROM ROUTE 5/210 SEPARATION TO BIG TUJUNGA WASH

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATION OF CONSTRUCTION

Loc	PM	BRIDGE NAME	BRIDGE No.	Loc	PM	BRIDGE NAME	BRIDGE No.
1	R0.02	NORTH CONNECTOR OC	53-1991F	11	R4.96	MACLAY St UC	53-1898R
2	R0.43	FOOTHILL Blvd UC	53-2016R	12	R5.14	PACOMIA WASH	53-2113
3	R0.43	FOOTHILL Blvd UC	53-2016L	13	R6.01	PAXTON St UC	53-2115
4	R0.84	YARNELL St UC	53-2017L	14	R6.08	ROUTE 118/210 Sep	53-2104F
5	R1.40	GLENOAKS Blvd UC	53-1951L	15	R6.08	ROUTE E210-W118 Conn OC	53-2105G
6	R1.40	GLENOAKS Blvd UC	53-1951R	16	R6.55	VAN NUYS Blvd UC	53-2116
7	R1.75	ROXFORD St UC	53-1924L	17	R7.16	TERRA BELLA St UC	53-2117
8	R1.79	ROXFORD St UC	53-1924R	18	R7.82	FOOTHILL Blvd UC	53-2118
9	R3.28	POLK St UC	53-1895R	19	R8.30	LITTLE TUJUNGA WASH	53-2247
10	R3.57	ASTORIA St POC	53-1896	20	R9.88	BIG TUJUNGA WASH	53-2249

NO SCALE

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

PROJECT MANAGER: JOHN LEE

DESIGN ENGINEER: DEBORAH WONG

3-10-11
PROJECT ENGINEER / REGISTERED CIVIL ENGINEER — DATE

DEBORAH WONG
No. C58313
Exp. 6/30/12
CIVIL
STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER

March 28, 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.	07-3Y6201
PROJECT ID	0700000758

LAST REVISION — DATE PLOTTED => 10-MAY-2011 TIME PLOTTED => 07:11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	2	29

3-10-11
REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
DEBORAH WONG
No. C58313
Exp. 6/30/12
CIVIL
STATE OF CALIFORNIA

3-28-11
PLANS APPROVAL DATE

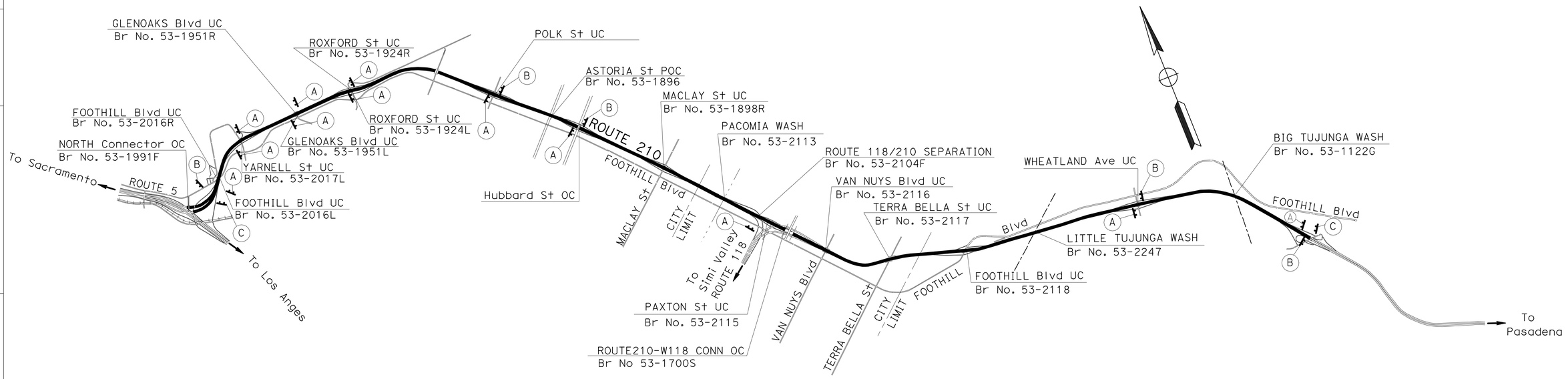
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. "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.
2. LOCATIONS OF CONSTRUCTION AREA SIGNS AS SHOWN ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
3. 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"	12	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"	2	2 - 4" x 6"	TRAFFIC FINES DOUBLED IN WORK ZONES



CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CALCULATED-DESIGNED BY
CHECKED BY

REVISED BY
DATE REVISED

DINESH BHAVSAR
DEBORAH WONG

FUNCTIONAL SUPERVISOR
MONIR IBRAHIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

LAST REVISION
DATE PLOTTED => 10-MAY-2011
TIME PLOTTED => 07:11

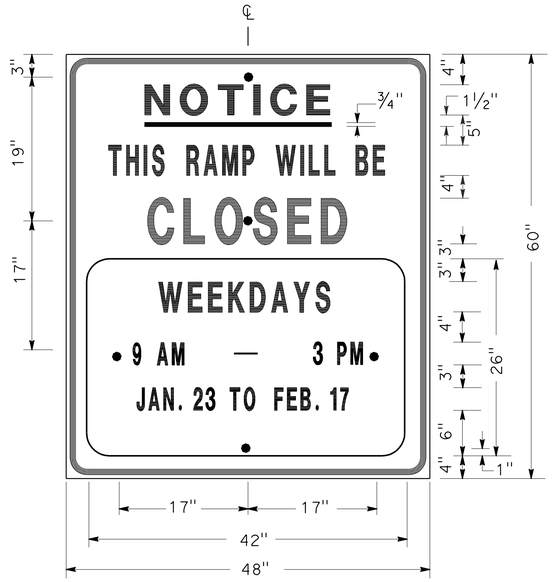
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	3	29

REGISTERED CIVIL ENGINEER 12-06-10 DATE

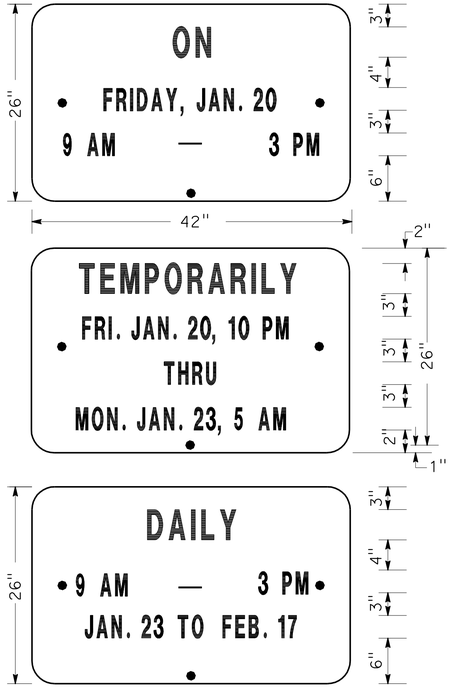
3-28-11
PLANS APPROVAL DATE

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

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



SIGN SP-1



ALTERNATE OVERLAY PANELS (TYPICAL)

SPECIAL ADVANCE NOTICE PUBLICITY SIGN

NOTES: (SIGN SP-1)

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

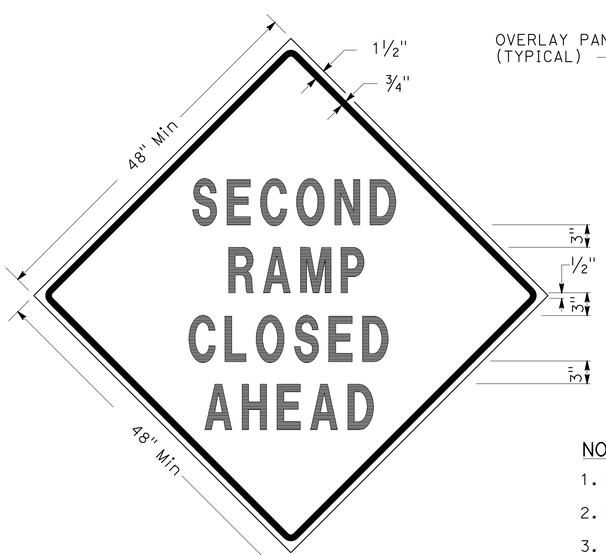
SIZE	BORDER WIDTH	MARGIN WIDTH	LETTER SIZE LINE 1	LINE 2*	LINE 3	LINE 4	LINE 5,6 & 7*	CORNER RADIUS
48"x60"	1 1/4"	3/4"	4E	4D	6E	4D		3"
42"x26"	OVERLAY						3D	1 1/2"
* CONDENSED SPACING IF NECESSARY								

SIGN SP-4

NOTES: (SIGN SP-4)

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

SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES



SIGN SP-3

SIGN SP-5

NOTES: (SIGNS SP-3 & SP-5)

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

SPECIAL SIGN FOR EXIT RAMP CLOSURES

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS AND MISCELLANEOUS DETAILS
SHEET 1 OF 2

NO SCALE

THD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DTM

FUNCTIONAL SUPERVISOR: JOHN YANG
CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG
REVISED BY: JC
DATE REVISED: 7/10

LAST REVISION 00-00-00
DATE PLOTTED => 10-MAY-2011
TIME PLOTTED => 07:11

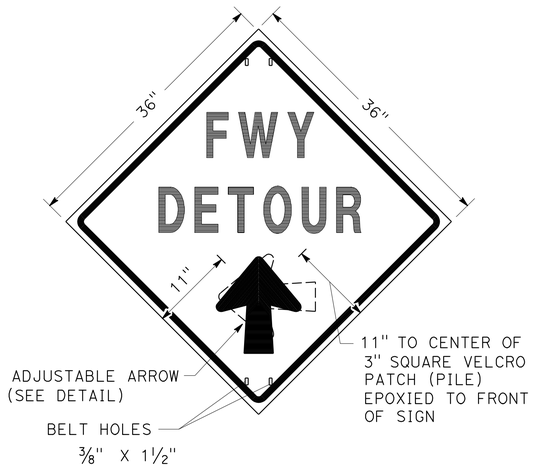
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	4	29

REGISTERED CIVIL ENGINEER 12-06-10 DATE

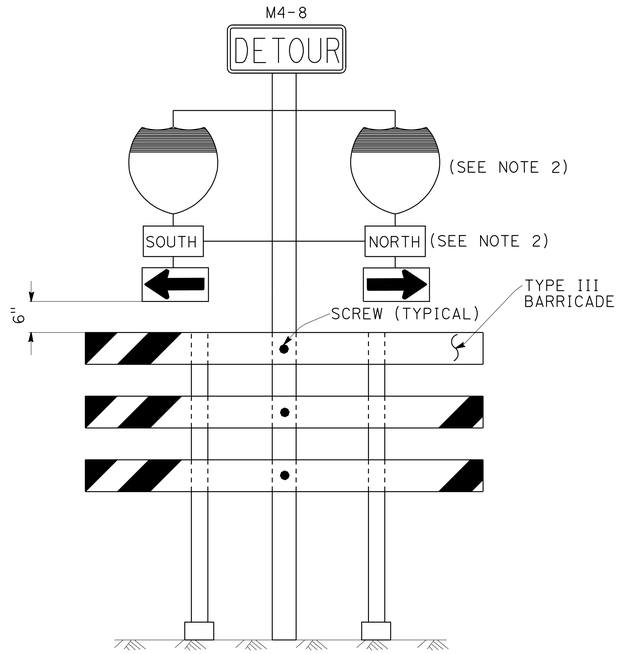
3-28-11
PLANS APPROVAL DATE

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

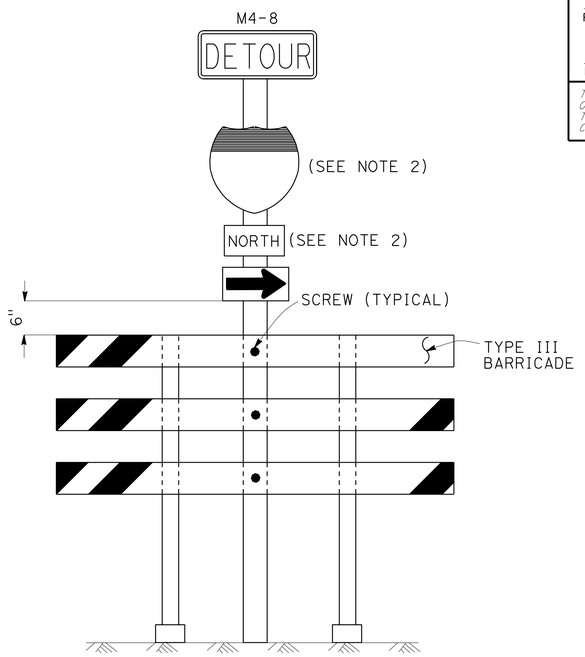
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SIGN SP-2



SIGN SP-6 (SEE NOTE 1)



SIGN SP-7 (SEE NOTE 1)

NOTES: (SIGN SP-2)

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

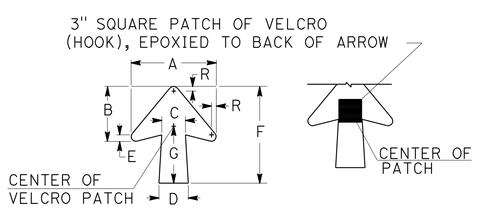
ABBREVIATION

(CA) CALIFORNIA CODE

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

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

SPECIAL PORTABLE FREEWAY DETOUR SIGNS



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

SPECIAL PORTABLE FREEWAY DETOUR SIGN

ADJUSTABLE ARROW DETAIL

TRAFFIC HANDLING DETAILS

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

SHEET 2 OF 2

NO SCALE

THD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DTM

FUNCTIONAL SUPERVISOR: JOHN YANG
CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG
REVISED BY: JC
DATE REVISED: 7/10

LAST REVISION 00-00-00
DATE PLOTTED => 10-MAY-2011
TIME PLOTTED => 07:11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	5	29

12-06-10
REGISTERED CIVIL ENGINEER DATE

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

3-28-11
PLANS APPROVAL DATE

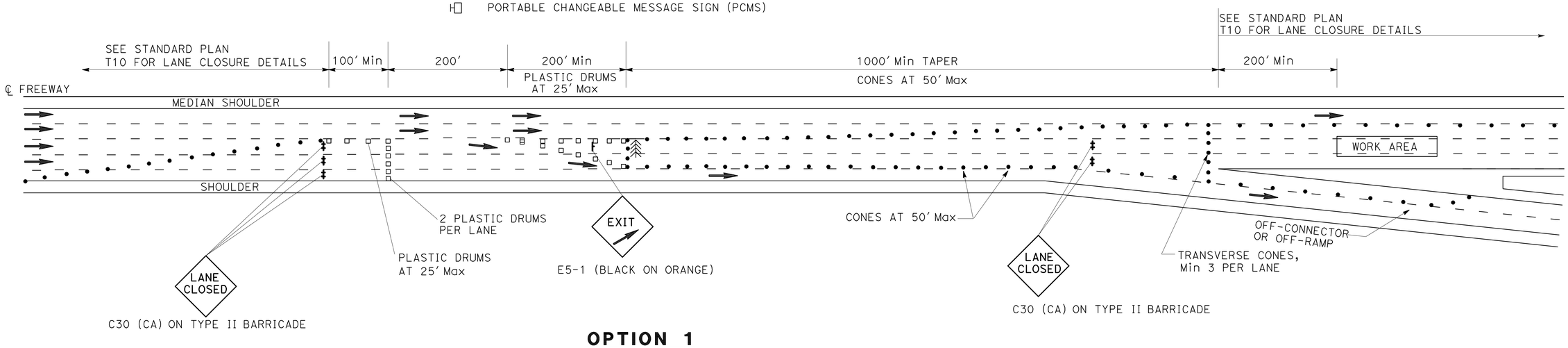
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND

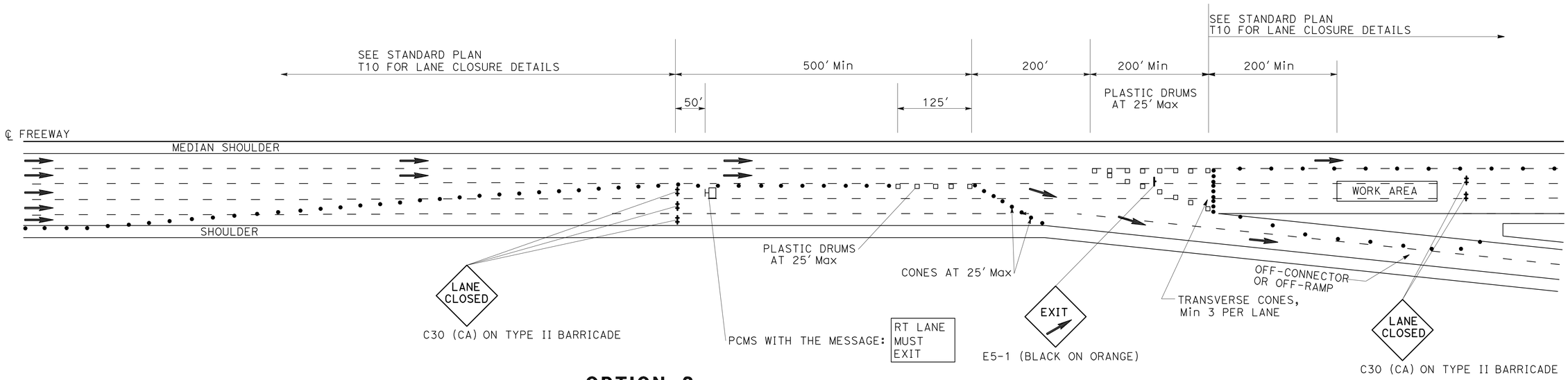
- CONE
- TRAFFIC PLASTIC DRUM
- FLASHING ARROW SIGN
- PORTABLE SIGN
- DIRECTION OF TRAVEL
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

ABBREVIATIONS

(CA) CALIFORNIA CODE



OPTION 1



OPTION 2

TRAFFIC HANDLING DETAILS

TRAFFIC CONTROL SYSTEM FOR SLIP-RAMP AT OFF-CONNECTOR OR OFF-RAMP

NO SCALE

THD-3

CALCULATED-DESIGNED BY		REVISED BY	
CHECKED BY	JOCELYN C CHIANG	DATE REVISED	7/10
FUNCTIONAL SUPERVISOR	JOHN YANG		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION **DTM** Caltrans®

LAST REVISION 00-00-00 | DATE PLOTTED => 10-MAY-2011 | TIME PLOTTED => 07:11

BORDER LAST REVISED 7/2/2010 | USERNAME => s116260 | DGN FILE => 73Y620me003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1887 | PROJECT NUMBER & PHASE 07000007581

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	6	29

12-06-10
REGISTERED CIVIL ENGINEER DATE

3-28-11
PLANS APPROVAL DATE

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

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

NOTES:

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

ABBREVIATIONS

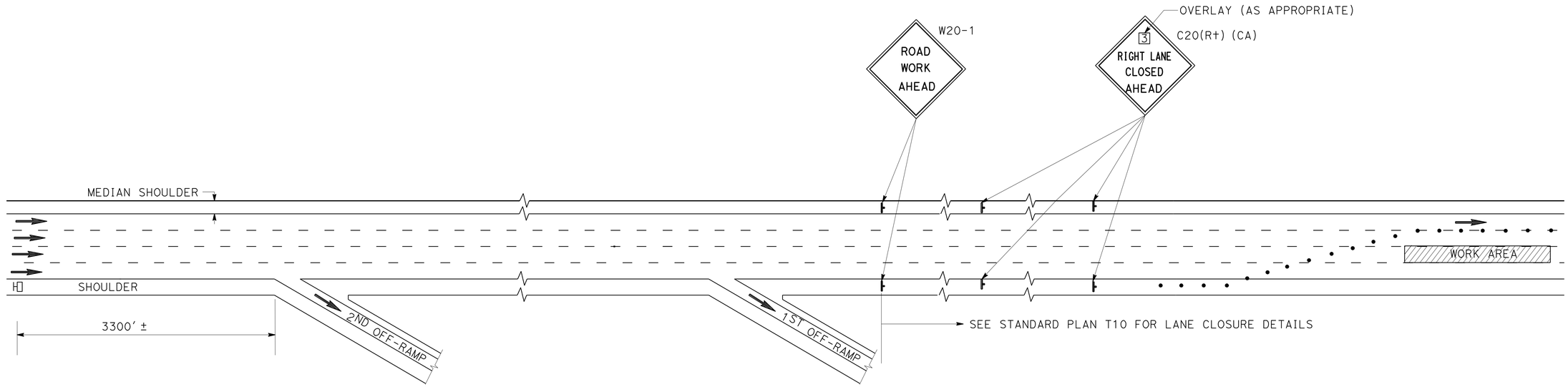
PCMS PORTABLE CHANGEABLE MESSAGE SIGN

(CA) CALIFORNIA CODE

LEGEND

- CONE
- PORTABLE SIGN
- DIRECTION OF TRAVEL
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

(CA) CALIFORNIA CODE



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-4

REVISED BY	DATE REVISED
JC	7/10

CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG
FUNCTIONAL SUPERVISOR: JOHN YANG
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DTM

LAST REVISION: DATE PLOTTED => 10-MAY-2011; TIME PLOTTED => 07:12; 00-00-00

BORDER LAST REVISED 7/2/2010 | USERNAME => s116260 | DGN FILE => 73Y620me004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1887 | PROJECT NUMBER & PHASE 07000007581

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	7	29

12-06-10
REGISTERED CIVIL ENGINEER DATE

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

3-28-11
PLANS APPROVAL DATE

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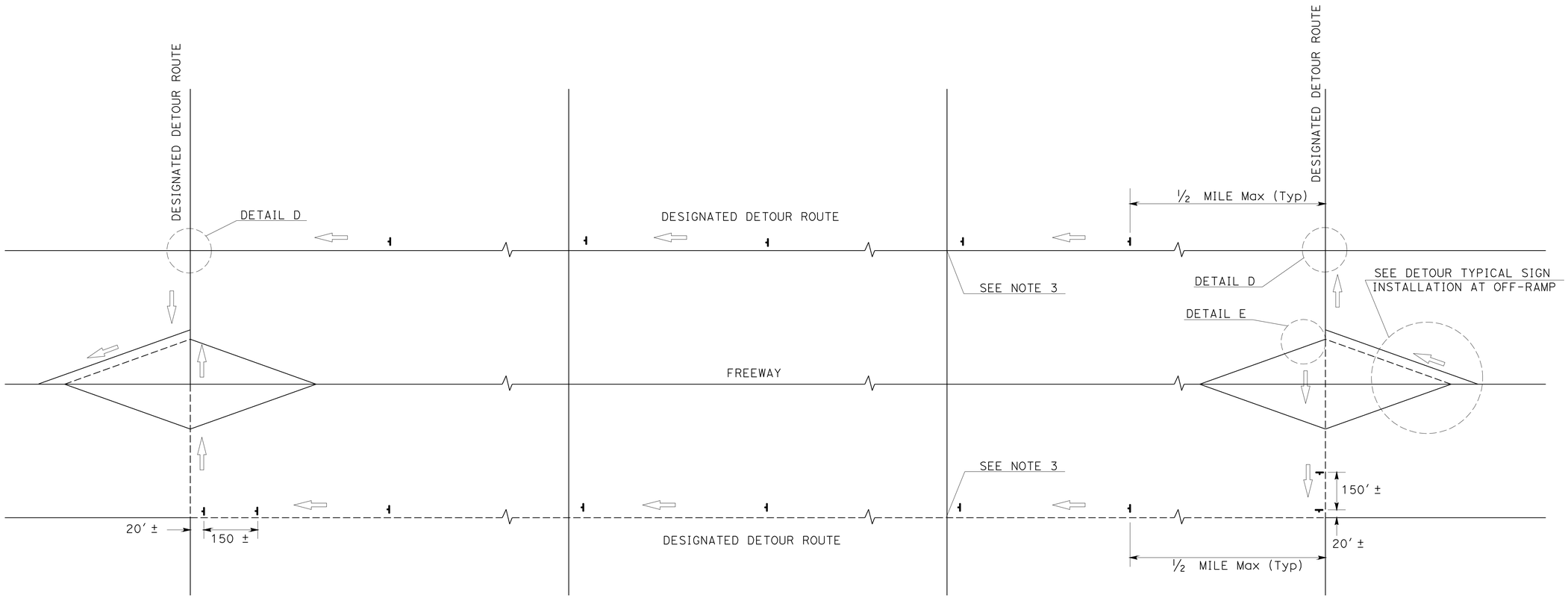


TYPICAL DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

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 ½ MILE MAXIMUM APART.

TRAFFIC HANDLING DETAILS

TRAFFIC CONTROL SYSTEM FOR DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

SHEET 1 OF 2

NO SCALE

THD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DTM

FUNCTIONAL SUPERVISOR: JOHN YANG

CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG

REVISED BY: JC
DATE REVISED: 7/10

LAST REVISION
DATE PLOTTED => 10-MAY-2011
TIME PLOTTED => 07:12
00-00-00

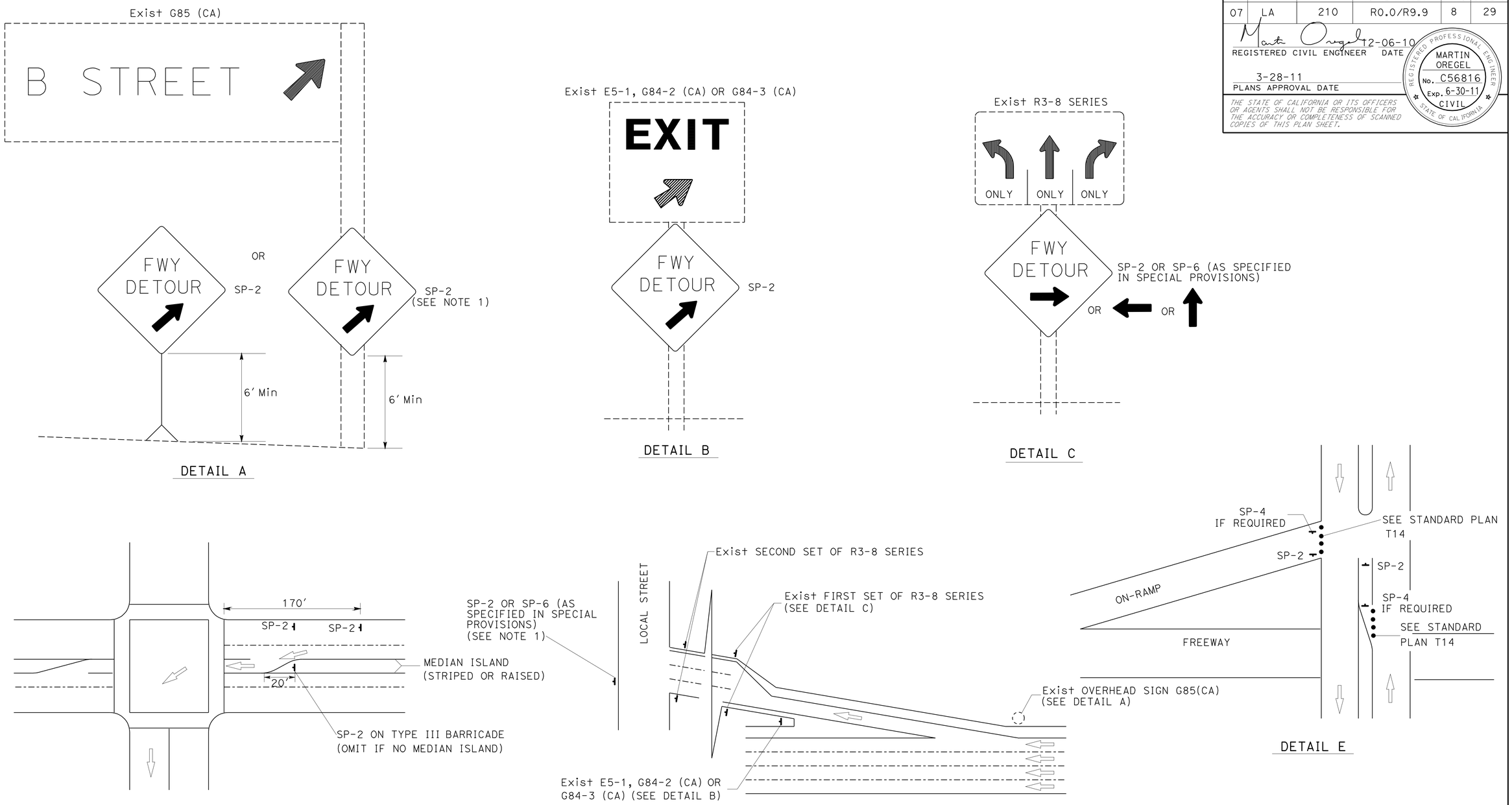
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	8	29

REGISTERED CIVIL ENGINEER 12-06-10 DATE

3-28-11
PLANS APPROVAL DATE

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

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



TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

NOTES:

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

ABBREVIATIONS

(CA) CALIFORNIA CODE

LEGENDS

- TRAFFIC CONE
- TEMPORARY SIGN
- DIRECTION OF TRAVEL
- EXISTING OVERHEAD SIGN

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE
SHEET 2 OF 2

NO SCALE

THD-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DTM

FUNCTIONAL SUPERVISOR: JOHN YANG
CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG
REVISED BY: JC
DATE REVISED: 8/10

LAST REVISION 00-00-00
DATE PLOTTED => 10-MAY-2011
TIME PLOTTED => 07:12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	9	29

REGISTERED CIVIL ENGINEER — DATE 3-10-11

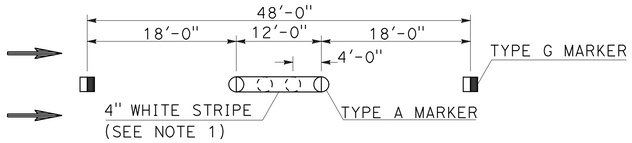
PLANS APPROVAL DATE 3-28-11

REGISTERED PROFESSIONAL ENGINEER — DEBORAH WONG — No. C58313 — 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.

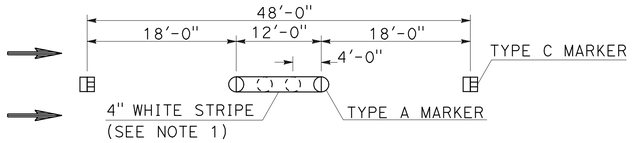
NOTES:

1. PLACE 4" WIDE THERMOPLASTIC TRAFFIC STRIPE ON TOP OF TYPE A NON-REFLECTIVE MARKERS.
2. NO SCALE



DETAIL 13 (MODIFIED)

NO SCALE



DETAIL 14 (MODIFIED)

NO SCALE

PAVEMENT DELINEATION QUANTITIES

LOCATION	POST MILE	BRIDGE No.	BRIDGE NAME	THERMOPLASTIC TRAFFIC STRIPE					PAVEMENT MARKER			THERMOPLASTIC PAVEMENT MARKING	REMOVE			
				Det36	Det36 A	Det 25	Det 27B	Det 13/14								
				8" SOLID WHITE	8" SOLID WHITE	4" SOLID YELLOW	4" SOLID WHITE	4" BROKEN WHITE (36-12)	4" TYPE A NON REFLECTIVE	TYPE G	TYPE H		PAVEMENT MARKER	YELLOW THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC PAVEMENT MARKING (ARROW)
				LF	LF	LF	LF	LF	EA	EA	EA	SQFT	EA	LF	LF	SQFT
(1)	R0.02	53-1991F	NB NORTH CONNECTOR OC			225	225	450	38	12	6	84	56	225	338	
(2)	R0.43	53-2016R	NB FOTHILL Blvd UC			283	283	849	71	21	7		99	283	496	
(3)	R0.43	53-2016L	SB FOTHILL Blvd UC			257	257	771	65	20	7		92	257	450	
(4)	R0.84	53-2017L	SB YARNELL St UC	460		148	148	444	37	13	5		55	148	259	
(5)	R1.40	53-1951L	NB GLENOAKS Blvd UC		165	134	134	268	23	8	4		35	134	201	
(6)	R1.40	53-1951R	SB GLENOAKS Blvd UC			134	134	268	23	8	4		35	134	201	
(7)	R1.75	53-1924L	SB ROXFORD St UC			153	153				5		5	153	114	
(8)	R1.79	53-1924R	NB ROXFORD St UC			153	153	306	26	9	5		40	153	230	
(9)	R3.28	53-1895R	NB POLK St UC			147	147	294	25	9	5		40	147	221	
(11)	R4.96	53-1898R	NB MACLAY St UC			147	147	294	25	9	5		40	147	221	
(12)	R5.14	53-2113	SB PACOMIA WASH			177	177	531	45	15	5		65	177	310	
			NB PACOMIA WASH			177	177	531	45	15	5		65	177	310	
(13)	R6.01	53-2115	SB PAXTON St UC			178	178	356	30	10	5		45	178	267	
			NB PAXTON St UC			178	178	356	30	10	5		45	178	267	
(14)	R6.08	53-2104F	SB ROUTE 118/210 Sep			1556	1556	1556	130	34	34		198	1556	1945	
			SUB TOTAL	460	165	4047	4047	7274	613	193	107	84	915	4047	5830	84
			SHEET TOTAL	625		8094		7274	613	300		84	915	4047	5830	84

PAVEMENT DELINEATION QUANTITIES

PDQ-1

REVISED BY | DATE REVISED

DINESH BHAVSAR | DEBORAH WONG

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MONIR IBRAHIM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® MAINTENANCE ENGINEERING

LAST REVISION | DATE PLOTTED => 10-MAY-2011 | TIME PLOTTED => 07:12

BORDER LAST REVISED 7/2/2010 | USERNAME => s116260 | DGN FILE => 773Y620nc001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1964 | PROJECT NUMBER & PHASE 07000007581

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	10	29

3-10-11
REGISTERED CIVIL ENGINEER DATE

DEBORAH WONG
No. C58313
Exp. 6/30/12
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

3-28-11
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.

PAVEMENT DELINEATION QUANTITIES

LOCATION	POST MILE	BRIDGE NO.	BRIDGE NAME	THERMOPLASTIC TRAFFIC STRIPE					PAVEMENT MARKER			THERMOPLASTIC PAVEMENT MARKING	REMOVE			
				Det36	Det36 A	Det 25	Det 27B	Det 13/14								
				8" SOLID WHITE	8" SOLID WHITE	4" SOLID YELLOW	4" SOLID WHITE	4" BROKEN WHITE (36-12)	4" TYPE A NON REFLECTIVE	TYPE G	TYPE H		PAVEMENT MARKER	YELLOW THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC PAVEMENT MARKING (ARROW)
				LF	LF	LF	LF	LF	EA	EA	EA	SQFT	EA	LF	LF	SQFT
15	R6.08	53-2105G	NB ROUTE E210-W118 Conn OC			233	233	233	20	6	6	42	32	233	292	42
16	R6.55	53-2116	SB VAN NUYS BLVD UC			144	144	432	36	12	4		52	144	252	
			NB VAN NUYS BLVD UC			144	144	432	36	12	4		52	144	252	
17	R7.16	53-2117	SB TERRA BELLA ST UC			177	177	531	45	15	5		65	177	310	
			NB TERRA BELLA ST UC			177	177	531	45	15	5		65	177	310	
18	R7.82	53-2118	SB FOOTHILL BLVD UC			211	211	633	53	17	6		76	211	370	
			NB FOOTHILL BLVD UC			211	211	633	53	17	6		76	211	370	
19	R8.30	53-2247	SB LITTLE TUJUNGA WASH			246	246	738	62	19	7		88	246	431	
			NB LITTLE TUJUNGA WASH			246	246	738	62	19	7		88	246	431	
20	R9.88	53-2249	SB BIG TUJUNGA WASH			1,303	1,303	3,909	326	85	29		440	1303	2,281	
			NB BIG TUJUNGA WASH			1,303	1,303	3,909	326	85	29		440	1303	2,281	
			SUB TOTAL			4,395	4,395	12,719	1064	302	108	42	1474	4395	7,580	42
			SHEET TOTAL	0		8,790		12,719	1064	410		42	1474	4395	7,580	42
			TOTAL	625		16,884		19,993	1677	710		126	2389	8442	13,410	126

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

PAVEMENT DELINEATION QUANTITIES

PDQ-2

LAST REVISION | DATE PLOTTED => 10-MAY-2011
TIME PLOTTED => 07:12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	11	29

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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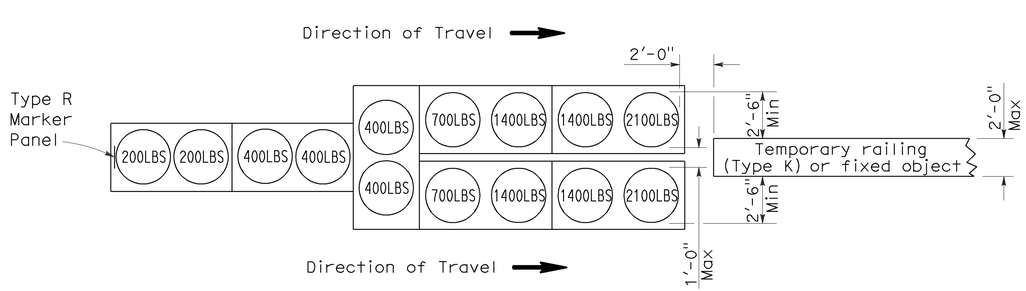
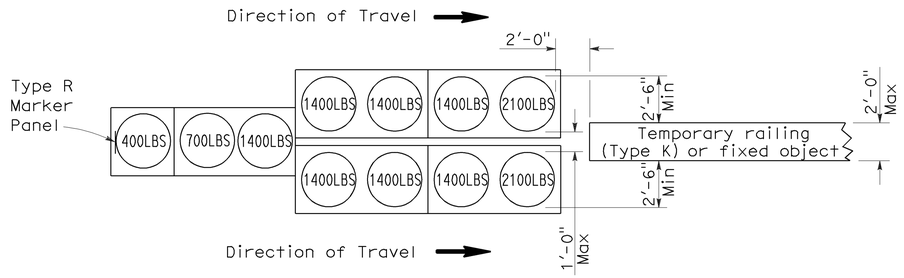
To accompany plans dated 3-28-11



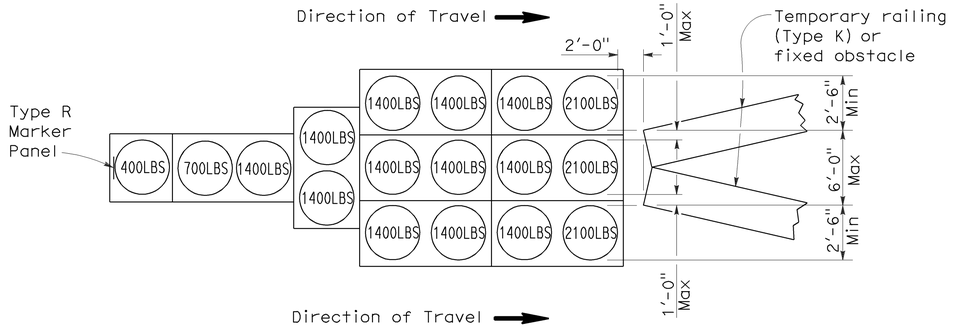
ARRAY 'TU14'

Approach speed 45 mph or more



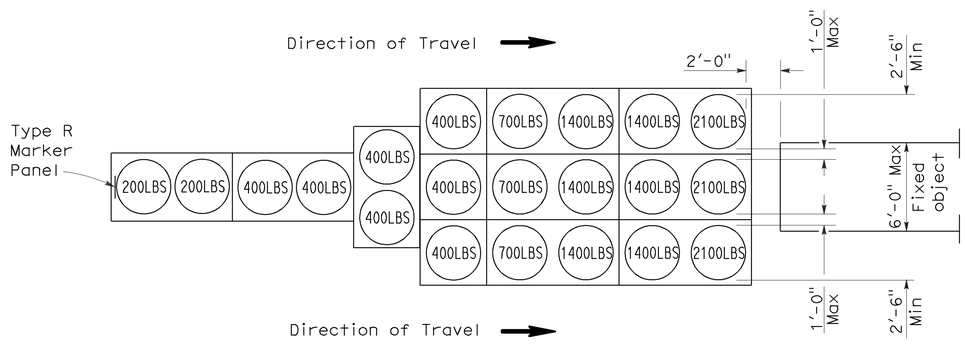
ARRAY 'TU11'

Approach speed less than 45 mph



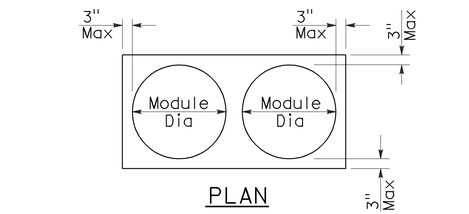
ARRAY 'TU17'

Approach speed less than 45 mph

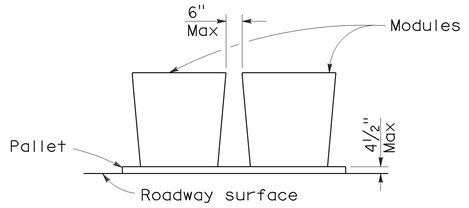


ARRAY 'TU21'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	12	29

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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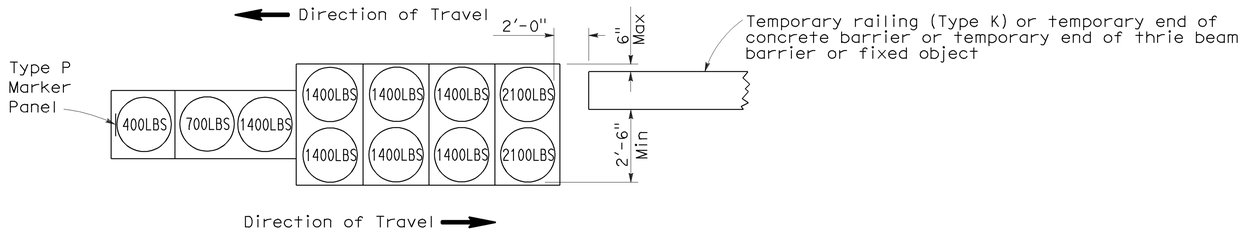
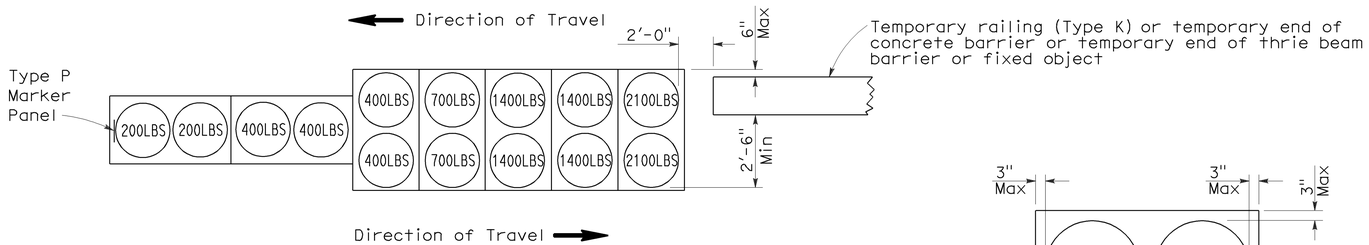
To accompany plans dated 3-28-11



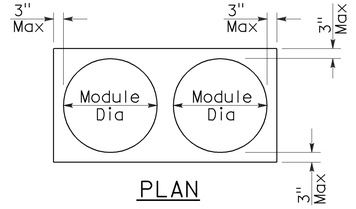
ARRAY 'TB11'

Approach speed less than 45 mph

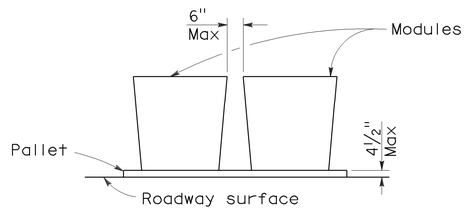


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	13	29

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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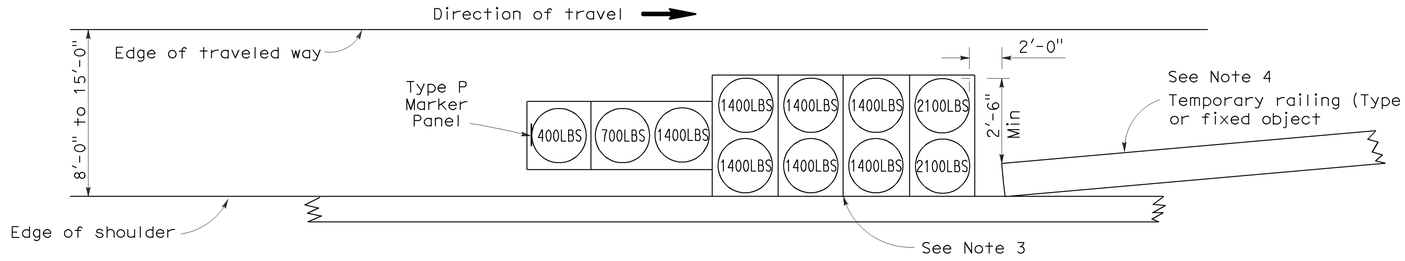
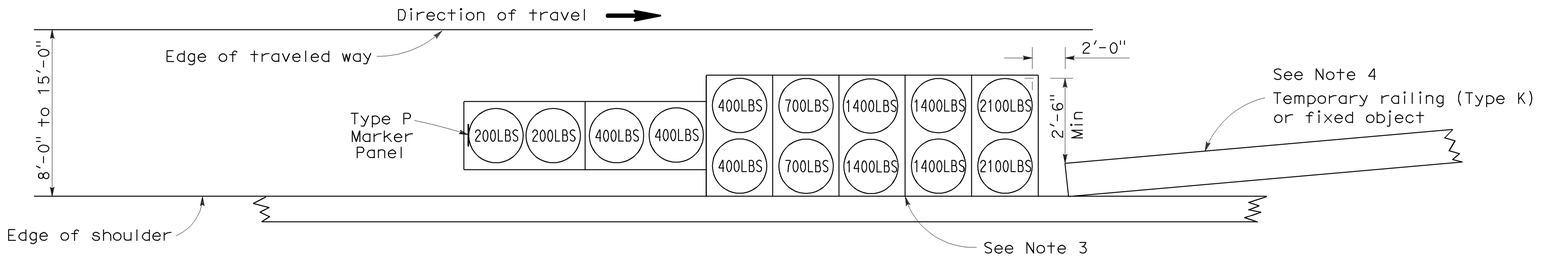
To accompany plans dated 3-28-11



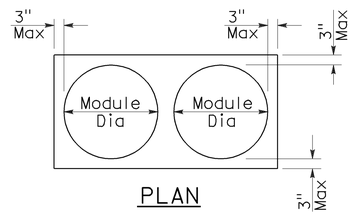
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

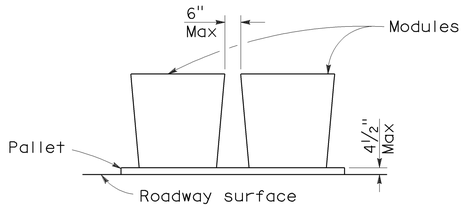


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

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.

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	14	29

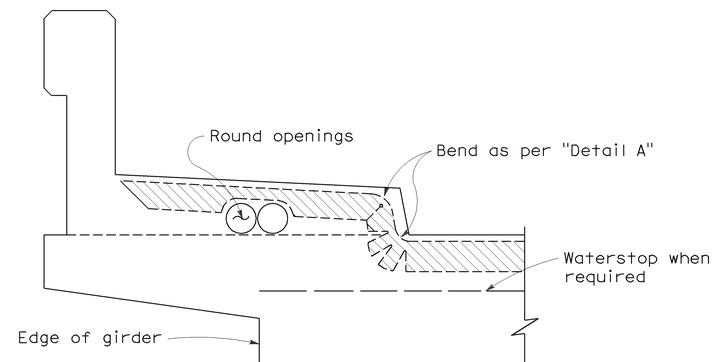
REGISTERED CIVIL ENGINEER

Efthymios Delis
No. C51434
Exp. 6-30-08
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

October 5, 2007
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.

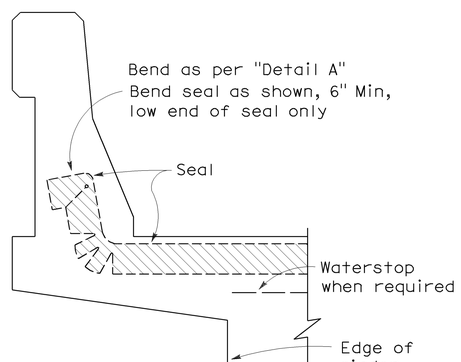
To accompany plans dated 3-28-11



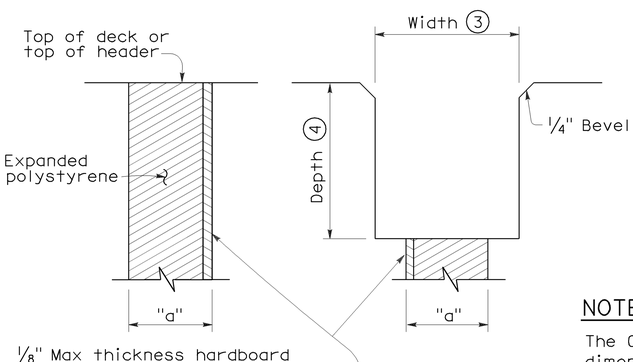
NOTE:

Type "B" seal shown. Type "A" seals to comform 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

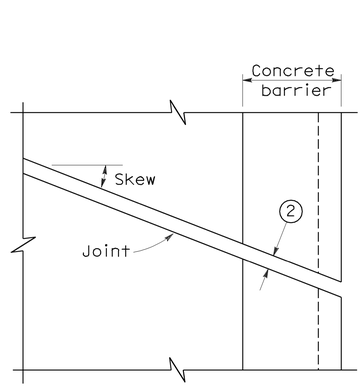


FORMING DETAIL SAWCUT DETAIL

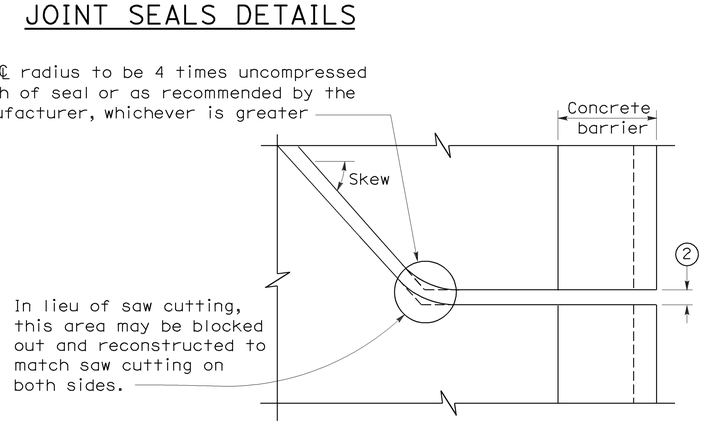
NOTE:

The Contractor shall verify all controlling field dimensions before ordering or fabricatiing any material.

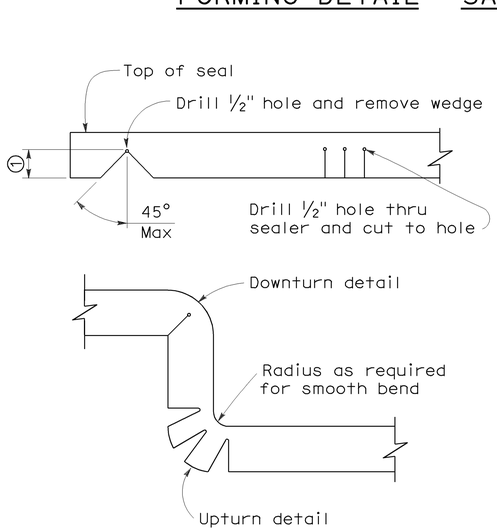
JOINT SEALS DETAILS



PLAN OF JOINT (SKEW ≤ 20°)



PLAN OF JOINT (SKEW > 20°)



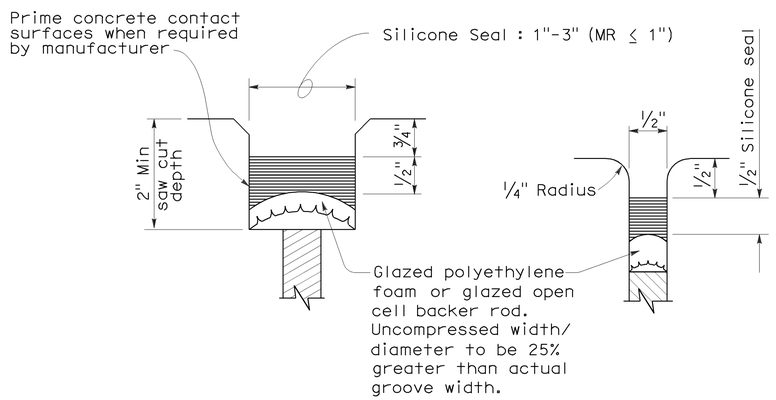
DETAIL A

NOTES:

1. Make smooth cuts from the bottom of seal to 1½" 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.
2. Opening in barrier to match width of sawn deck joint.
3. Sawcut groove widths shall be as ordered by the Engineer.
4. 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 (W_2) plus dimensions shown.
5. MR (movement rating) as shown on other plan sheets.
6. Other depths must be approved by the Engineer.

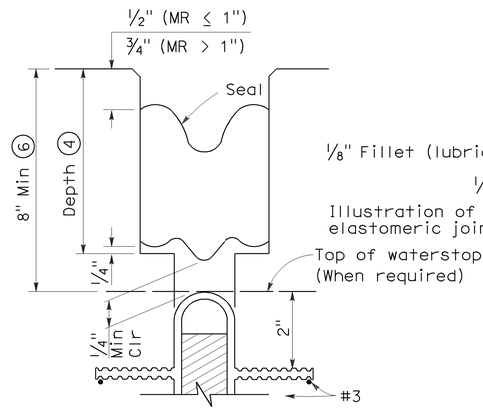
DIMENSIONS "a" OF JOINT REQUIRED

Movement Rating (MR) (5)	Bridge Type	"a" Dimension Deck Concrete Placed		
		Winter	Fall-Spring	Summer
2"	All except CIP/PS	1½"	1¼"	¾"
	CIP/PS	1¼"	1"	½"
1½"	All except CIP/PS	1¼"	1"	½"
	CIP/PS	1"	¾"	½"
1"	All except CIP/PS	1"	¾"	½"
	CIP/PS	¾"	½"	½"
½"	All except CIP/PS	¾"	¾"	½"
	CIP/PS	½"	½"	½"

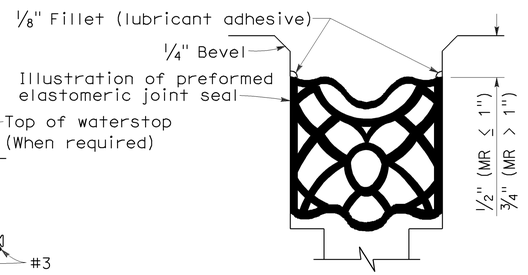


TYPE A SEAL
Movement rating : Silicone = 1" Max

TYPE AL SEAL
Longitudinal joints only



TYPE B JOINT SEAL
IN MINIMUM WIDTH POSITION (W_2)



TYPE B SEAL
Movement Rating ≤ 2"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

NO SCALE

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

REVISED STANDARD PLAN RSP B6-21

2006 REVISED STANDARD PLAN RSP B6-21

5-8-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	15	29

12-02-10
REGISTERED CIVIL ENGINEER DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MAZIN S. IBRAHIM
No. C69896
Exp. 09/30/12
CIVIL
STATE OF CALIFORNIA

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LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates location of existing joint seal removal, clean expansion joint and placement of new joint seal.

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.

STANDARD PLANS DATED MAY 2006

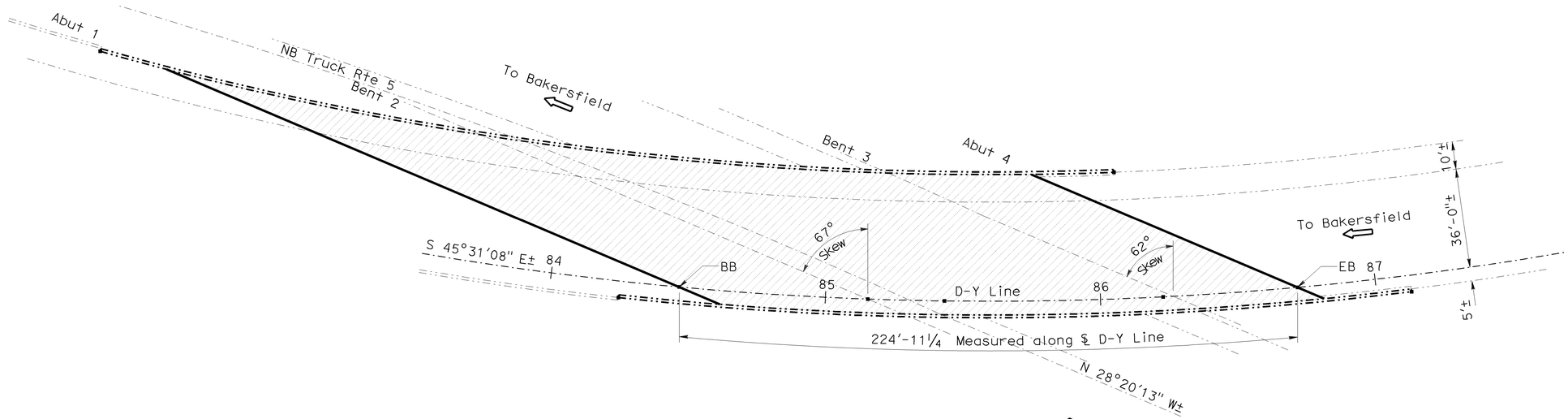
SHEET NO.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
A10C	SYMBOLS (SHEET 1 OF 2)
A10D	SYMBOLS (SHEET 2 OF 2)
RSP B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

STANDARD PLAN SHEET NO.

DETAIL NO.

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	GENERAL PLAN NO. 3
4	GENERAL PLAN NO. 4
5	GENERAL PLAN NO. 5
6	GENERAL PLAN NO. 6
7	GENERAL PLAN NO. 7
8	GENERAL PLAN NO. 8
9	GENERAL PLAN NO. 9
10	GENERAL PLAN NO. 10
11	GENERAL PLAN NO. 11
12	MISCELLANEOUS DETAILS NO. 1
13	MISCELLANEOUS DETAILS NO. 2
14	MISCELLANEOUS DETAILS NO. 3
15	STRUCTURE APPROACH TYPE R(10D)



NORTH CONNECTOR OC

Br No. 53-1991F, Rte 210, PM 0.02
Scale 1"=20'
NORTH CONNECTOR OC #53-1991F

QUANTITIES

REMOVE UNSOUND CONCRETE	30 CF
CLEAN BRIDGE DECK	11,720 SQFT
CLEAN EXPANSION JOINT	240 LF
RAPID SETTING CONCRETE (PATCH)	30 CF
JOINT SEAL (MR 1")	240 LF
TREAT BRIDGE DECK	11,720 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	150 GAL

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

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	Mazin Ibrahim	Hong Tien Tran			
DETAILS	Clayton Tom	Mazin Ibrahim	LAYOUT	Clayton Tom	Mazin Ibrahim
QUANTITIES	Mazin Ibrahim	Hong Tien Tran	SPECIFICATIONS	Dave Klein	PLANS AND SPECS COMPARED Dave Klein

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 07
EA 3Y6201

BRIDGE NO. Various
POST MILE Varies

ROUTE 210 BRIDGES
GENERAL PLAN NO. 1

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 06-10-10 | 08-30-10 | 09-28-10 | 09-29-10 | 11-15-10 | 12-02-10

SHEET 01 OF 15

FILE => 07-3Y6201-a-gp01.dgn

USERNAME => s1177283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:13

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	16	29

12-02-10
REGISTERED CIVIL ENGINEER DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MAZIN S. IBRAHIM
No. C69896
Exp. 09/30/12
CIVIL
STATE OF CALIFORNIA

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LEGEND:

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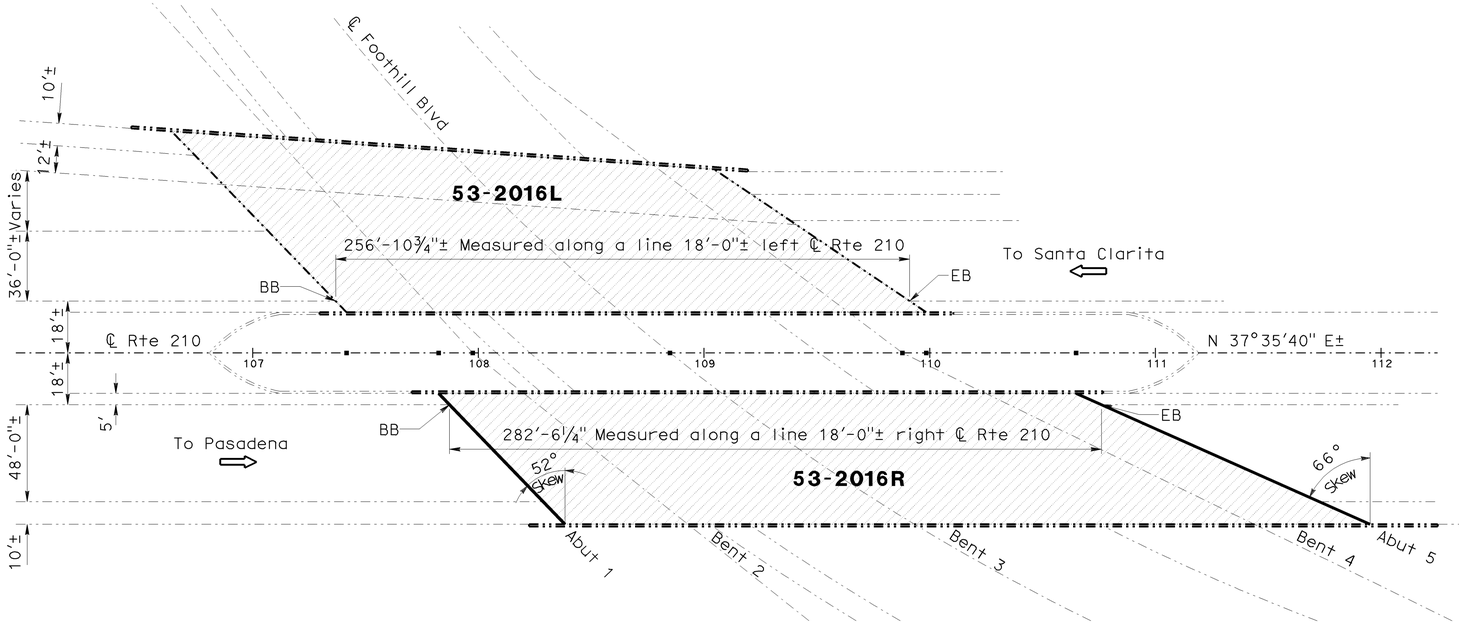
Indicates direction of traffic.

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 location of existing joint seal removal, clean expansion joint and placement of new joint seal.



FOOTHILL BOULEVARD UC

Br No. 53-2016L/R, Rte 210, PM 0.43
Scale 1"=30'

FOOTHILL BOULEVARD UC #53-2016L/R

QUANTITIES

REMOVE UNSOUND CONCRETE	90 CF
CLEAN BRIDGE DECK	36,050 SQFT
CLEAN EXPANSION JOINT	214 LF
RAPID SETTING CONCRETE (PATCH)	90 CF
JOINT SEAL (MR 1")	214 LF
TREAT BRIDGE DECK	36,050 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	455 GAL

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

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Mazin Ibrahim	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	BY Clayton Tom	CHECKED Mazin Ibrahim	LAYOUT	BY Clayton Tom	CHECKED Mazin Ibrahim
QUANTITIES	BY Mazin Ibrahim	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Dave Klein	PLANS AND SPECS COMPARED Dave Klein

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 07
EA 3Y6201

BRIDGE NO. Various
POST MILE Varies

ROUTE 210 BRIDGES
GENERAL PLAN NO. 2

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 06-30-10 | 08-30-10 | 09-28-10 | 09-29-10 | 11-15-10 | 12-02-10

SHEET 02 OF 15

FILE => 07-3Y6201-a-gp02.dgn

USERNAME => s1172283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:14

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	17	29

12-02-10
REGISTERED CIVIL ENGINEER DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — MAZIN S. IBRAHIM — No. C69896 — Exp. 09/30/12 — CIVIL — STATE OF CALIFORNIA

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LEGEND:

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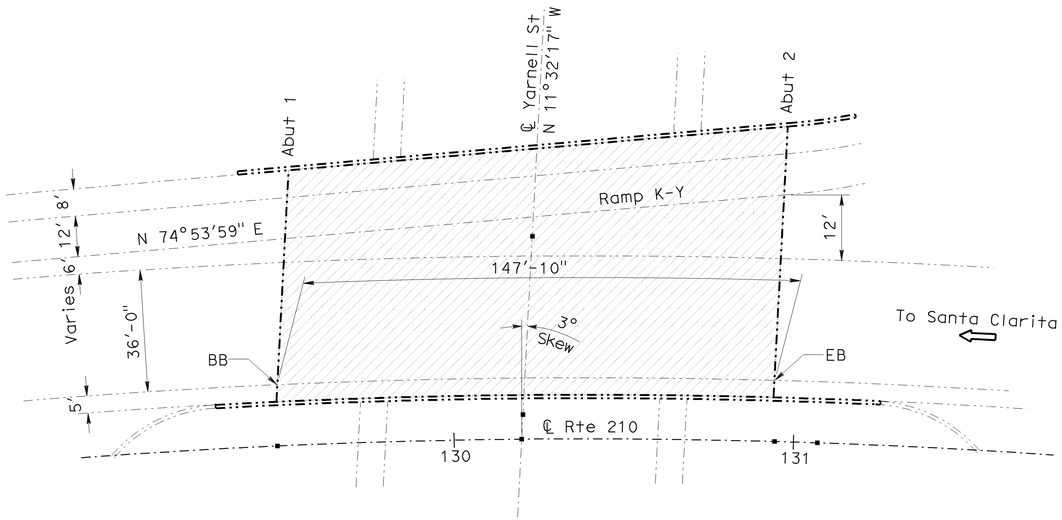


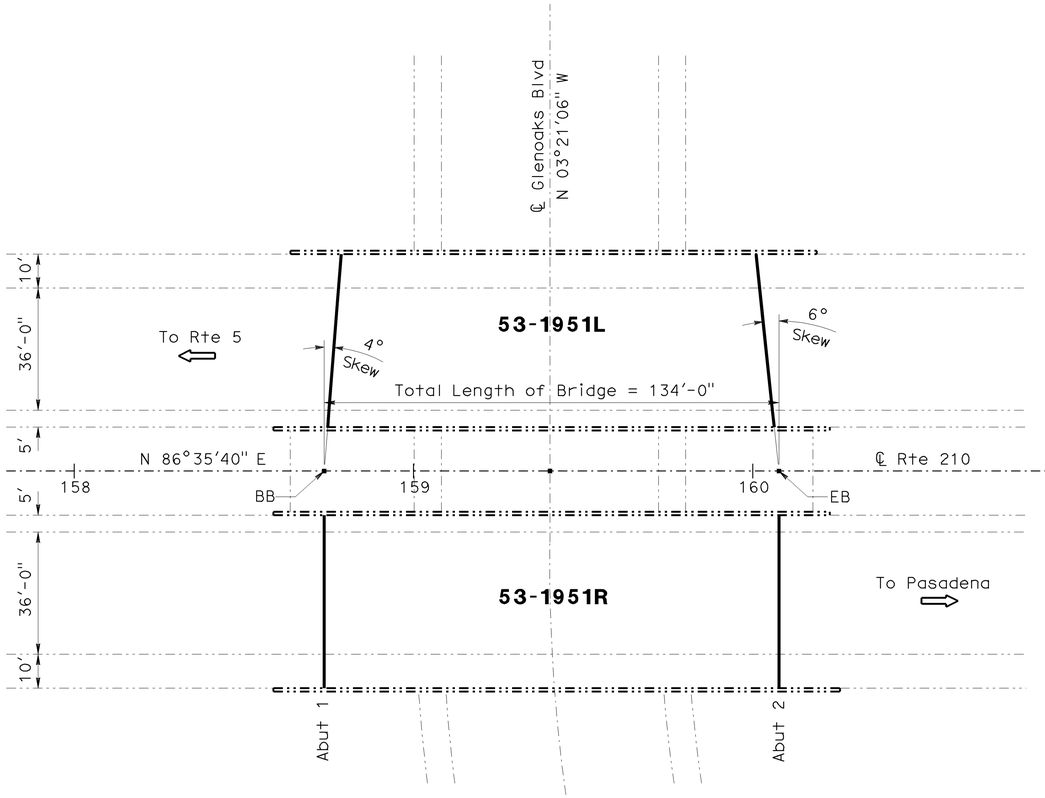
YARNELL STREET UC

Br No. 53-2017L, Rte 210, PM 0.84
Scale 1"=20'

YARNELL STREET UC #53-2017L

QUANTITIES

REMOVE UNSOUND CONCRETE	30 CF
CLEAN EXPANSION JOINT	10,805 SQFT
RAPID SETTING CONCRETE (PATCH)	30 CF
TREAT BRIDGE DECK	10,805 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	135 GAL



GLENOAKS BOULEVARD UC

Br No. 53-1951L/R, Rte 210, PM 1.40
Scale 1"=20'

GLENOAKS BOULEVARD UC #53-1951L/R

QUANTITIES

CLEAN EXPANSION JOINT	204 LF
JOINT SEAL (MR ½)	204 LF

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

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	Mazin Ibrahim	Hong Tien Tran			
DETAILS	Clayton Tom	Mazin Ibrahim	LAYOUT	Clayton Tom	Mazin Ibrahim
QUANTITIES	Mazin Ibrahim	Hong Tien Tran	SPECIFICATIONS	Dave Klein	PLANS AND SPECS COMPARED Dave Klein

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 07
EA 3Y6201

BRIDGE NO. Various
POST MILE Varies

ROUTE 210 BRIDGES
GENERAL PLAN NO. 3

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 06-10-10 | 08-30-10 | 09-28-10 | 09-29-10 | 11-15-10 | 12-02-10

SHEET 03 OF 15

FILE => 07-3Y6201-a-gp03.dgn

USERNAME = s117283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:11:15

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	18	29

12-02-10
REGISTERED CIVIL ENGINEER DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MAZIN S. IBRAHIM
No. C69896
Exp. 09/30/12
CIVIL
STATE OF CALIFORNIA

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LEGEND:

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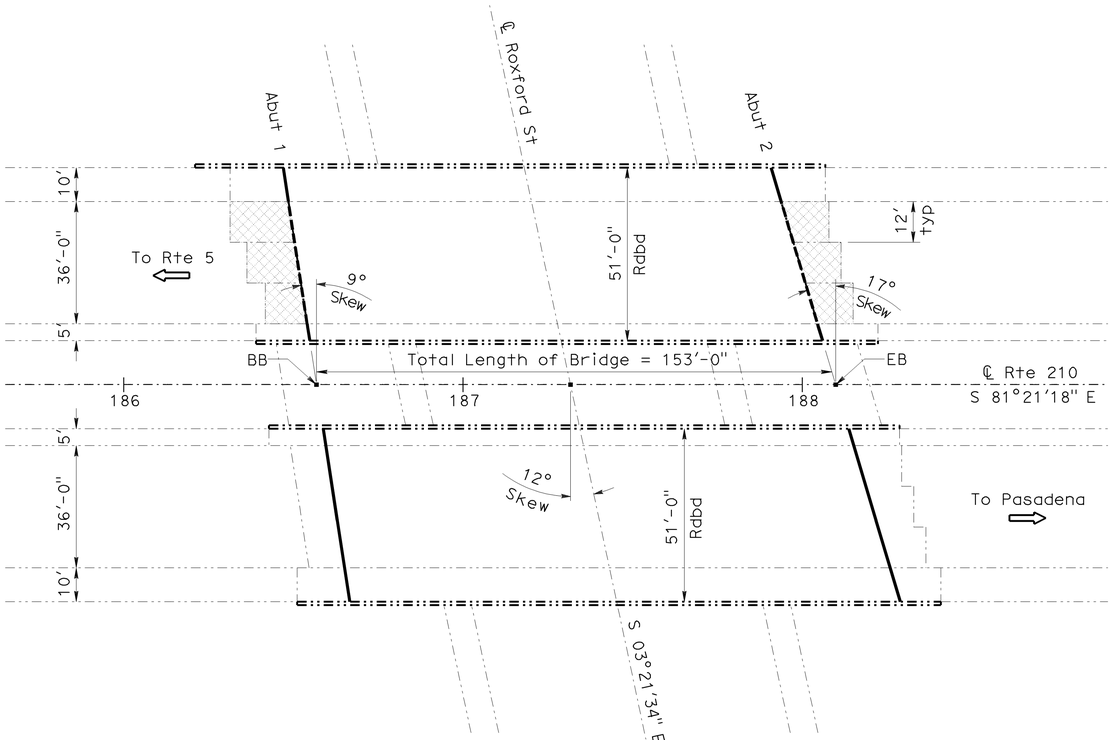
Indicates location of existing joint seal removal, clean expansion joint and placement of new joint seal.

Indicates limits of Remove existing PCC slab and construct new structure approach slab. Type R(30D)

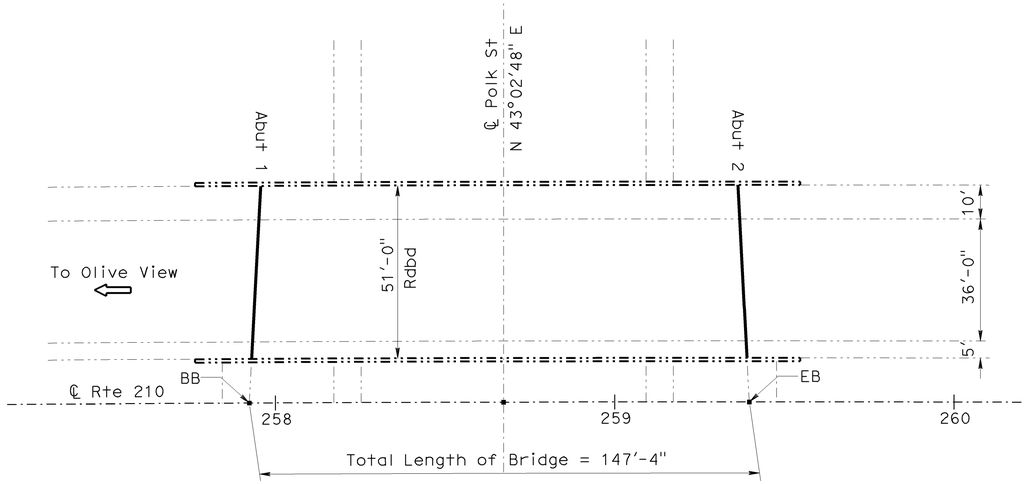
Indicates limits of place new joint seal.



ROXFORD STREET UC

Br No. 53-1924L/R, Rte 210, PM 1.92
Scale 1"=20'
ROXFORD STREET UC #53-1924L/R
QUANTITIES

AGGREGATE BASE (APPROACH SLAB)	8 CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	80 CY
PAVING NOTCH EXTENSION	60 CF
CLEAN EXPANSION JOINT	212 LF
JOINT SEAL (MR ½)	212 LF



POLK STREET UC

Br No. 53-1895L, Rte 210, PM 3.28
Scale 1"=20'
POLK STREET UC #53-1895L
QUANTITIES

CLEAN EXPANSION JOINT	102 LF
JOINT SEAL (MR ½)	102 LF

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

TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Mazin Ibrahim	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
	DETAILS	BY Clayton Tom	CHECKED Mazin Ibrahim	LAYOUT	BY Clayton Tom	CHECKED Mazin Ibrahim	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
	QUANTITIES	BY Mazin Ibrahim	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Dave Klein	PLANS AND SPECS COMPARED Dave Klein	CU 07 EA 3Y6201

BRIDGE NO. Various
POST MILE Varies

ROUTE 210 BRIDGES
GENERAL PLAN NO. 4

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 06-16-10; 08-30-10; 09-13-10; 09-28-10; 11-15-10; 12-02-10

SHEET 04 OF 15

FILE => 07-3Y6201-a-gp04.dgn

USERNAME = s1172283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:15

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	19	29

12-02-10
REGISTERED CIVIL ENGINEER DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — MAZIN S. IBRAHIM — No. C69896 — Exp. 09/30/12 — CIVIL — STATE OF CALIFORNIA

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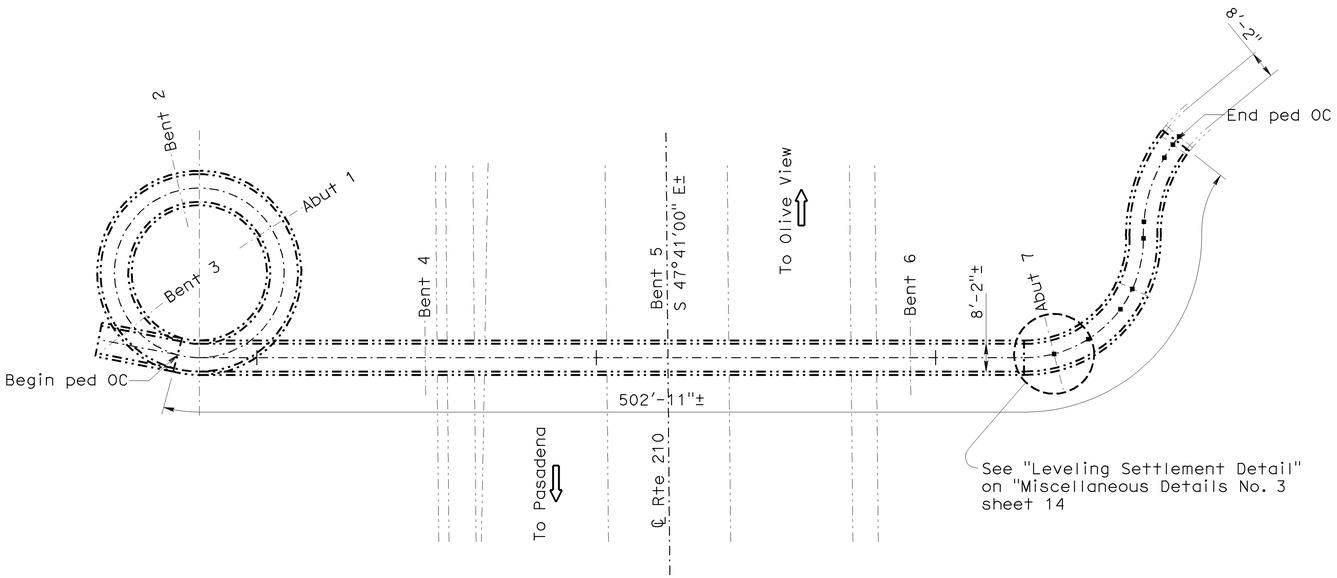
Indicates limits of place new joint seal.



See "Leveling Settlement Detail" on "Miscellaneous Details No. 3 sheet 14

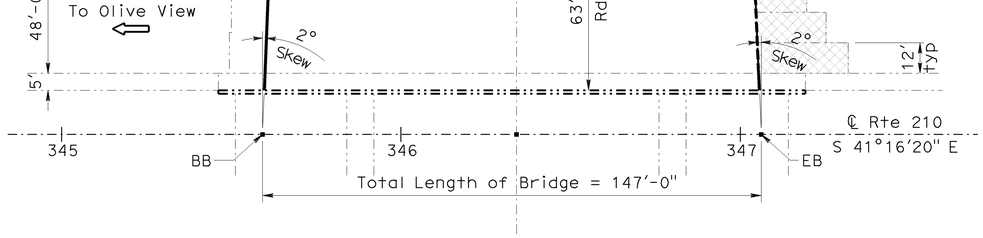
ASTORIA STREET POC

Br No. 53-1896, Rte 210, PM 3.57
Scale 1"=20'

ASTORIA STREET POC #53-1896

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	24 SQFT
BRIDGE REMOVAL (PORTION)	LUMP SUM
FURNISH POLYESTER CONCRETE OVERLAY	4 CF
PLACE POLYESTER CONCRETE OVERLAY	24 SQFT



MACLAY STREET UC

Br No. 53-1898L, Rte 210, PM 4.94
Scale 1"=20'

MACLAY STREET UC #53-1898L

QUANTITIES

AGGREGATE BASE (APPROACH SLAB)	4 CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	40 CY
PAVING NOTCH EXTENSION	54 CF
CLEAN EXPANSION JOINT	126 LF
JOINT SEAL (MR 1/2)	126 LF

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

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Mazin Ibrahim	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	BY Clayton Tom	CHECKED Mazin Ibrahim	LAYOUT	BY Clayton Tom	CHECKED Mazin Ibrahim
QUANTITIES	BY Mazin Ibrahim	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Dave Klein	PLANS AND SPECS COMPARED Dave Klein

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 07
EA 3Y6201

BRIDGE NO. Various
POST MILE Varies

ROUTE 210 BRIDGES
GENERAL PLAN NO. 5

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 06-16-10 | 08-30-10 | 09-13-10 | 09-28-10 | 09-29-10 | 11-15-10 | 12-02-10

SHEET 05 OF 15

FILE => 07-3Y6201-a-gp05.dgn

USERNAME => s117283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:17

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	20	29

12-02-10
REGISTERED CIVIL ENGINEER DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MAZIN S. IBRAHIM
No. C69896
Exp. 09/30/12
CIVIL
STATE OF CALIFORNIA

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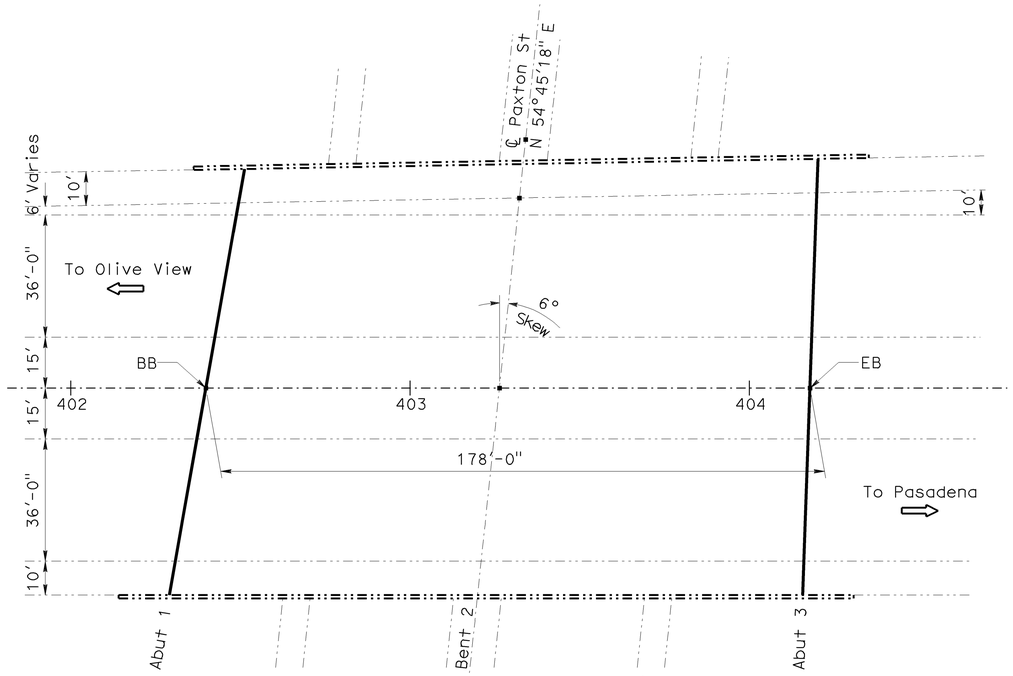
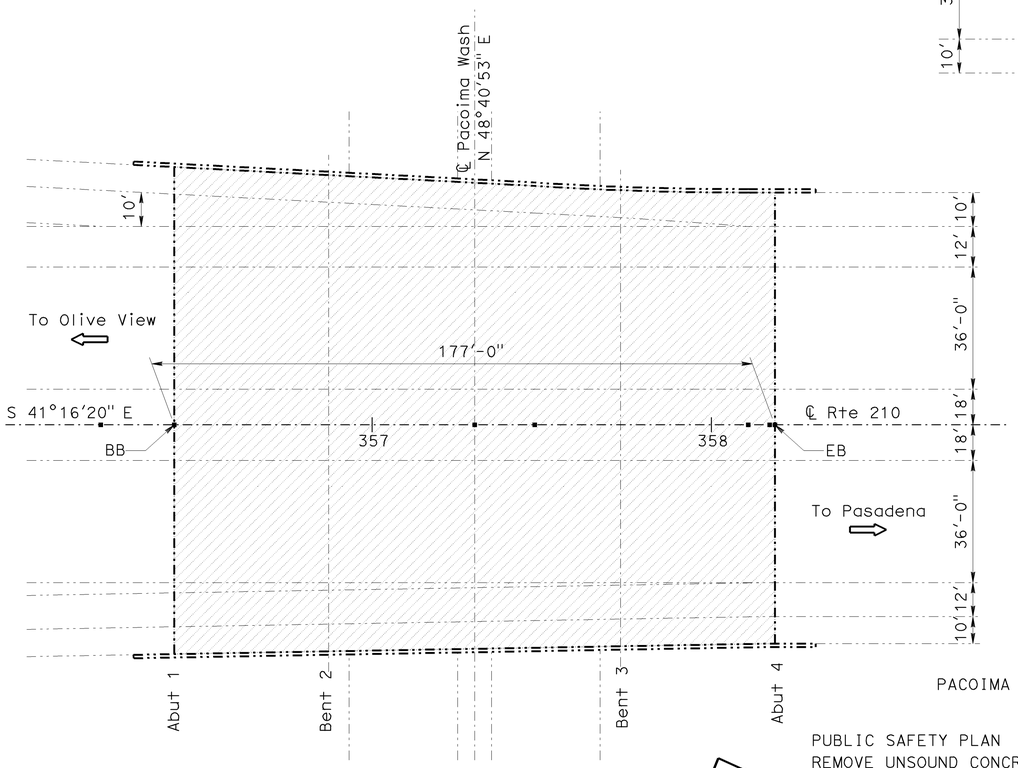


PAXTON STREET UC

Br No. 53-2115, Rte 210, PM 6.01
Scale 1"=20'

PAXTON STREET UC #53-2115
QUANTITIES

CLEAN EXPANSION JOINT	260 LF
JOINT SEAL (MR ½)	260 LF



PACOIMA WASH BRIDGE

Br No. 53-2113, Rte 210, PM 5.14
Scale 1"=20'

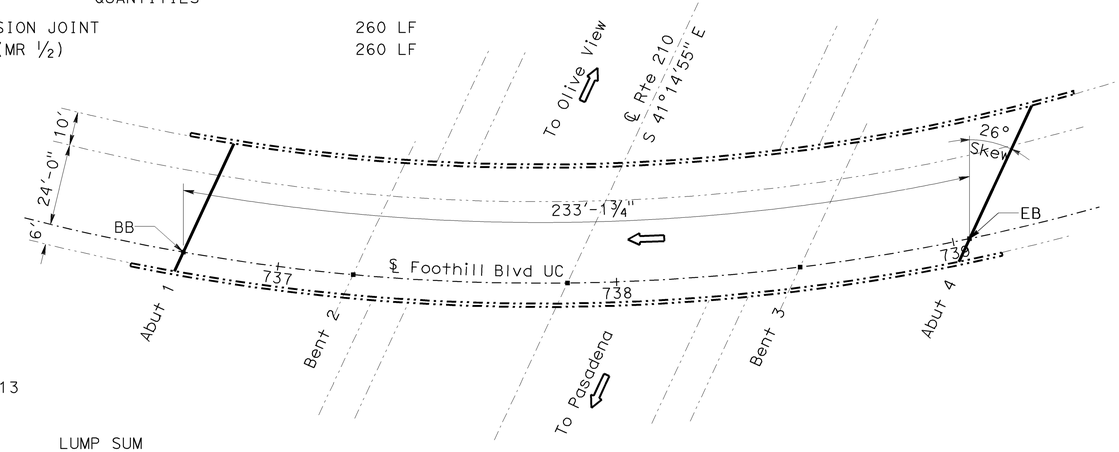
PACOIMA WASH BRIDGE #53-2113
QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
REMOVE UNSOUND CONCRETE	70 CF
CLEAN BRIDGE DECK	27,900 SQFT
RAPID SETTING CONCRETE (PATCH)	70 CF
TREAT BRIDGE DECK	27,900 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	350 GAL

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

E210-W118 CONNECTOR #53-2105G
QUANTITIES

CLEAN EXPANSION JOINT	80 LF
JOINT SEAL (MR ½)	80 LF



E210-W118 CONNECTOR

Br No. 53-2105G, Rte 210, PM 5.96
Scale 1"=20'

TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Mazin Ibrahim	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
	DETAILS	BY Clayton Tom	CHECKED Mazin Ibrahim	LAYOUT	BY Clayton Tom	CHECKED Mazin Ibrahim	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
	QUANTITIES	BY Mazin Ibrahim	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Dave Klein	PLANS AND SPECS COMPARED Dave Klein	CU 07 EA 3Y6201

BRIDGE NO. Various
POST MILE Varies

ROUTE 210 BRIDGES
GENERAL PLAN NO. 6

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 06-30-10 | 08-30-10 | 09-28-10 | 09-29-10 | 11-15-10 | 12-02-10

SHEET 06 OF 15

FILE => 07-3Y6201-a-gp06.dgn

USERNAME = s117283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:18

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	21	29

12-02-10
REGISTERED CIVIL ENGINEER DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MAZIN S. IBRAHIM
No. C69896
Exp. 09/30/12
CIVIL
STATE OF CALIFORNIA

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LEGEND:

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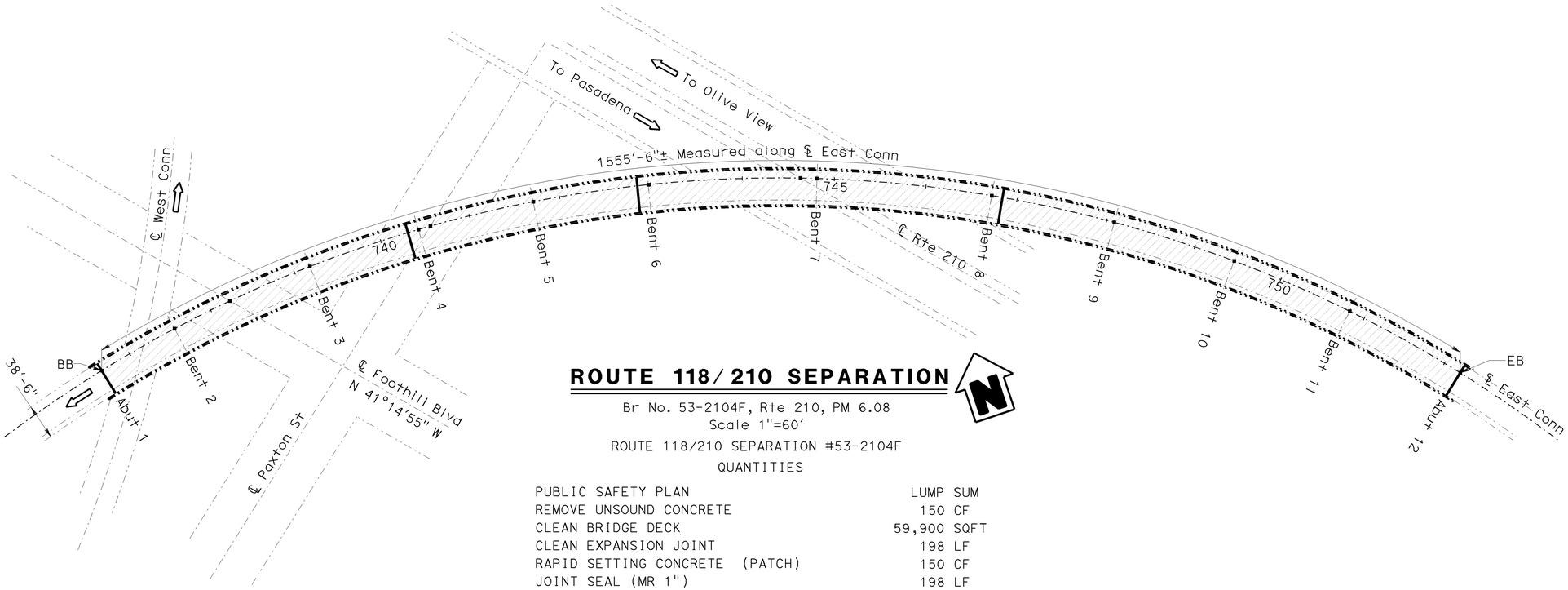

ROUTE 118/210 SEPARATION

Br No. 53-2104F, Rte 210, PM 6.08
Scale 1"=60'

ROUTE 118/210 SEPARATION #53-2104F

QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
REMOVE UNSOUND CONCRETE	150 CF
CLEAN BRIDGE DECK	59,900 SQFT
CLEAN EXPANSION JOINT	198 LF
RAPID SETTING CONCRETE (PATCH)	150 CF
JOINT SEAL (MR 1")	198 LF
TREAT BRIDGE DECK	59,900 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	750 GAL

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

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Mazin Ibrahim	Hong Tien Tran
DETAILS	Clayton Tom	Mazin Ibrahim
QUANTITIES	Mazin Ibrahim	Hong Tien Tran

LOAD FACTOR DESIGN — LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD

	BY	CHECKED
LAYOUT	Clayton Tom	Mazin Ibrahim
SPECIFICATIONS	Dave Klein	PLANS AND SPECS COMPARED Dave Klein

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 07
EA 3Y6201

BRIDGE NO. Various
POST MILE Varies

ROUTE 210 BRIDGES
GENERAL PLAN NO. 7

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 06-30-10 | 08-30-10 | 09-28-10 | 09-29-10 | 11-15-10 | 12-02-10

SHEET 07 OF 15

FILE => 07-3Y6201-a-gp07.dgn

USERNAME = s117283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:18

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	22	29

REGISTERED CIVIL ENGINEER 12-02-10 DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MAZIN S. IBRAHIM No. C69896 Exp. 09/30/12 CIVIL STATE OF CALIFORNIA

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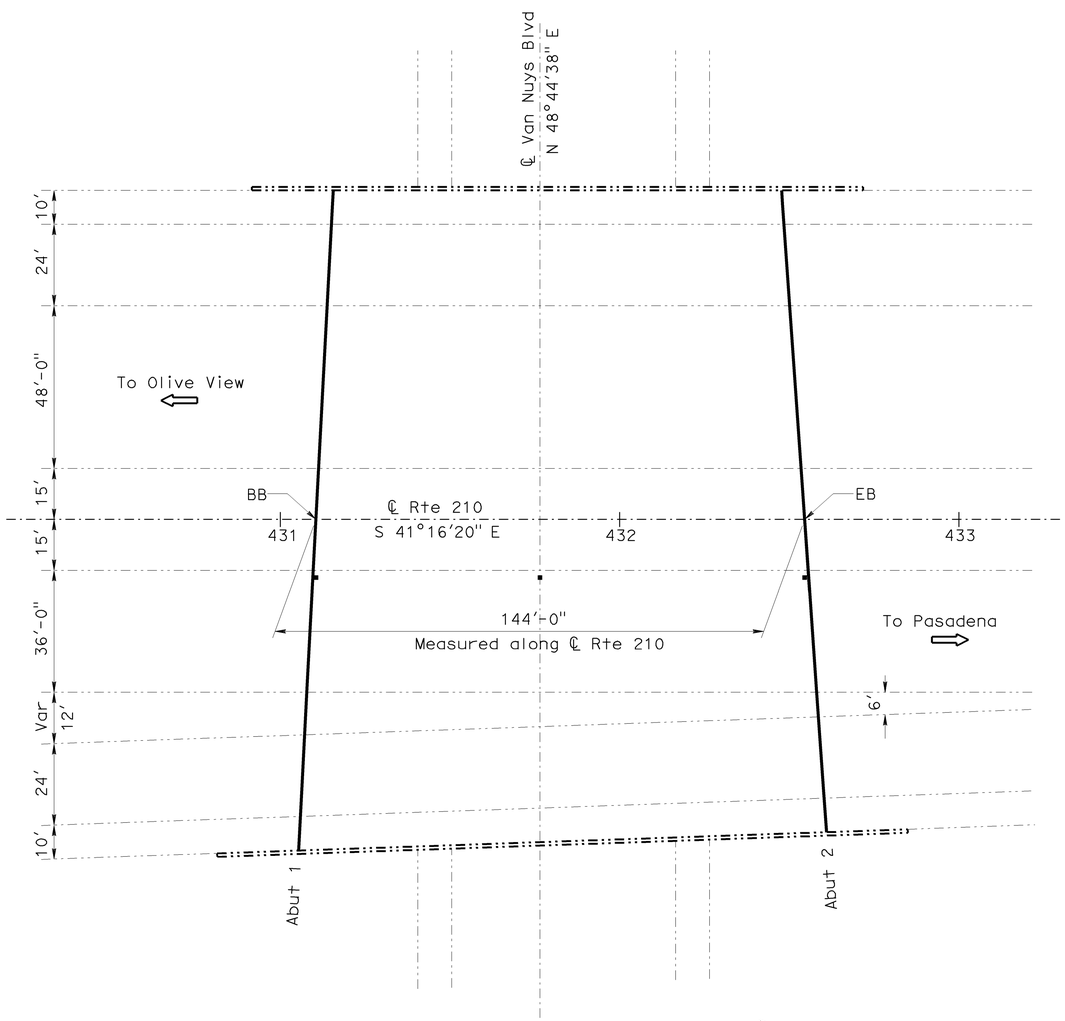
LEGEND:

- Indicates existing.
- Indicates direction of traffic.
- Indicates location of existing joint seal removal, clean expansion joint and placement of new joint seal.



VAN NUYS BOULEVARD UC

Br No. 53-2116, Rte 210, PM 6.56
Scale 1"=20'
VAN NUYS BOULEVARD UC #53-2116

QUANTITIES

CLEAN EXPANSION JOINT	382 LF
JOINT SEAL (MR 1/2)	382 LF

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

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Mazin Ibrahim	Hong Tien Tran
DETAILS	Clayton Tom	Mazin Ibrahim
QUANTITIES	Mazin Ibrahim	Hong Tien Tran

LOAD FACTOR DESIGN — LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
LAYOUT — BY Clayton Tom — CHECKED Mazin Ibrahim
SPECIFICATIONS — BY Dave Klein — PLANS AND SPECS COMPARED Dave Klein

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 210 BRIDGES
GENERAL PLAN NO. 8

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 07
EA 3Y6201

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 06-10-10, 08-30-10, 09-28-10, 09-29-10, 11-15-10, 12-02-10

SHEET 08 OF 15

FILE => 07-3Y6201-a-gp08.dgn

USERNAME => s117283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:19

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	23	29

12-02-10
REGISTERED CIVIL ENGINEER DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MAZIN S. IBRAHIM
No. C69896
Exp. 09/30/12
CIVIL
STATE OF CALIFORNIA

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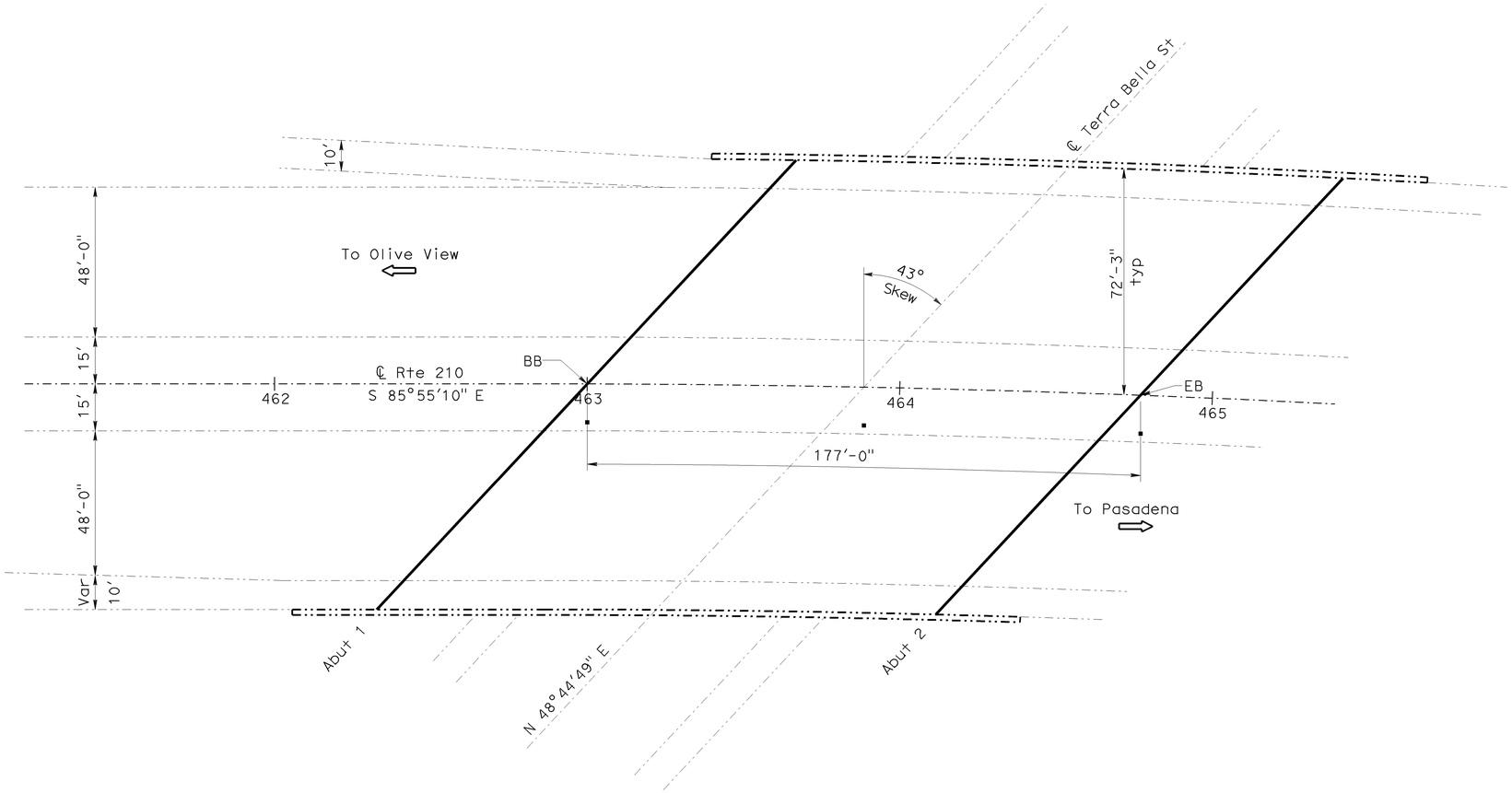
LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates location of existing joint seal removal, clean expansion joint and placement of new joint seal.



TERRA BELLA STREET UC

Br No. 53-2117, Rte 210, PM 7.16
Scale 1"=20'

TERRA BELLA STREET UC #53-2117

QUANTITIES

CLEAN EXPANSION JOINT	400 LF
JOINT SEAL (MR ½)	400 LF

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

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Mazin Ibrahim	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	BY Clayton Tom	CHECKED Mazin Ibrahim	LAYOUT	BY Clayton Tom	CHECKED Mazin Ibrahim
QUANTITIES	BY Mazin Ibrahim	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Dave Klein	PLANS AND SPECS COMPARED Dave Klein

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 07
EA 3Y6201

BRIDGE NO. Various
POST MILE Varies

ROUTE 210 BRIDGES
GENERAL PLAN NO. 9

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 06-30-10 | 08-30-10 | 09-28-10 | 09-29-10 | 11-15-10 | 12-02-10

SHEET 09 OF 15

FILE => 07-3Y6201-a-gp09.dgn

USERNAME = s117283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:20

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	24	29

12-02-10
REGISTERED CIVIL ENGINEER DATE

3-28-11
PLANS APPROVAL DATE

MAZIN S. IBRAHIM
REGISTERED PROFESSIONAL ENGINEER
No. C69896
Exp. 09/30/12
CIVIL
STATE OF CALIFORNIA

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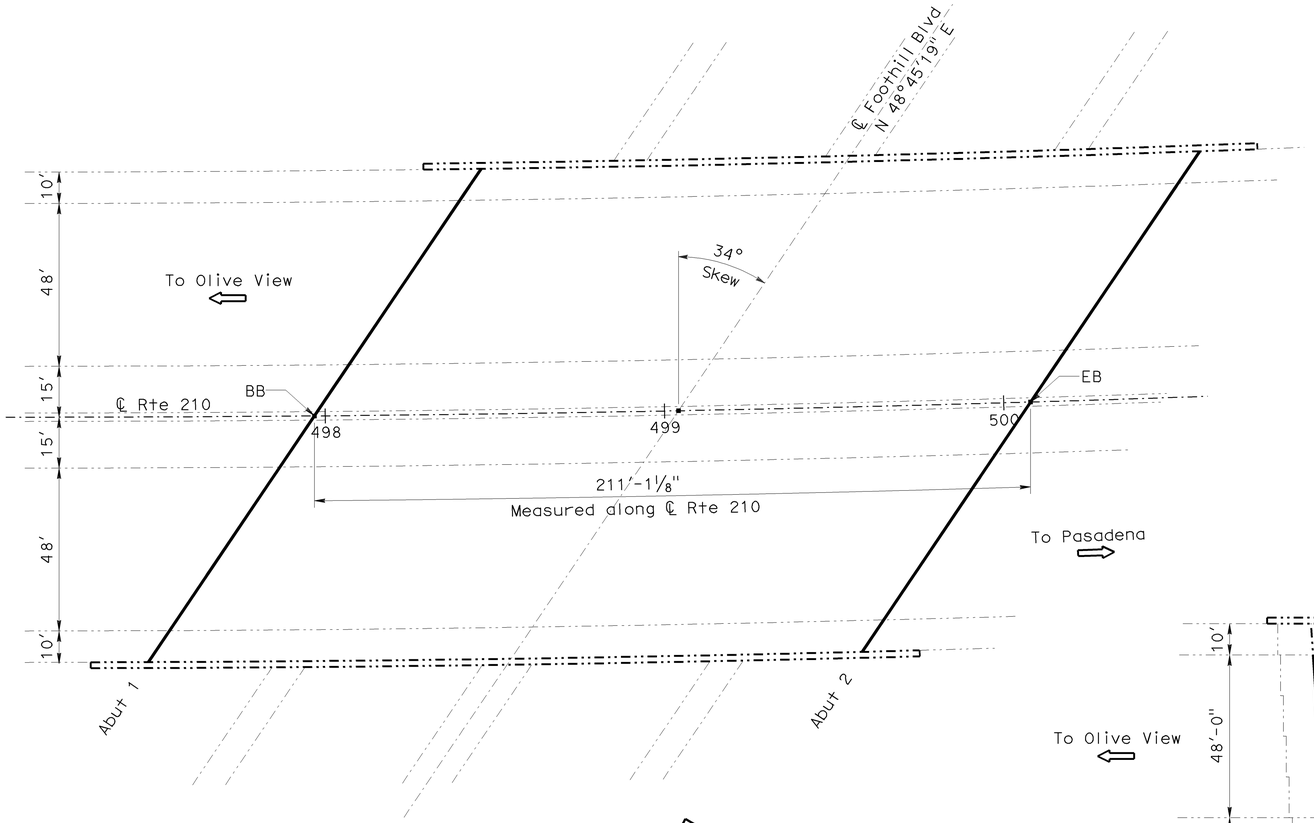


FOOTHILL BOULEVARD UC

Br No. 53-2118, Rte 210, PM 7.82
Scale 1"=20'

FOOTHILL BOULEVARD UC #53-2118

QUANTITIES

CLEAN EXPANSION JOINT	352 LF
JOINT SEAL (MR 1)	352 LF

LEGEND:

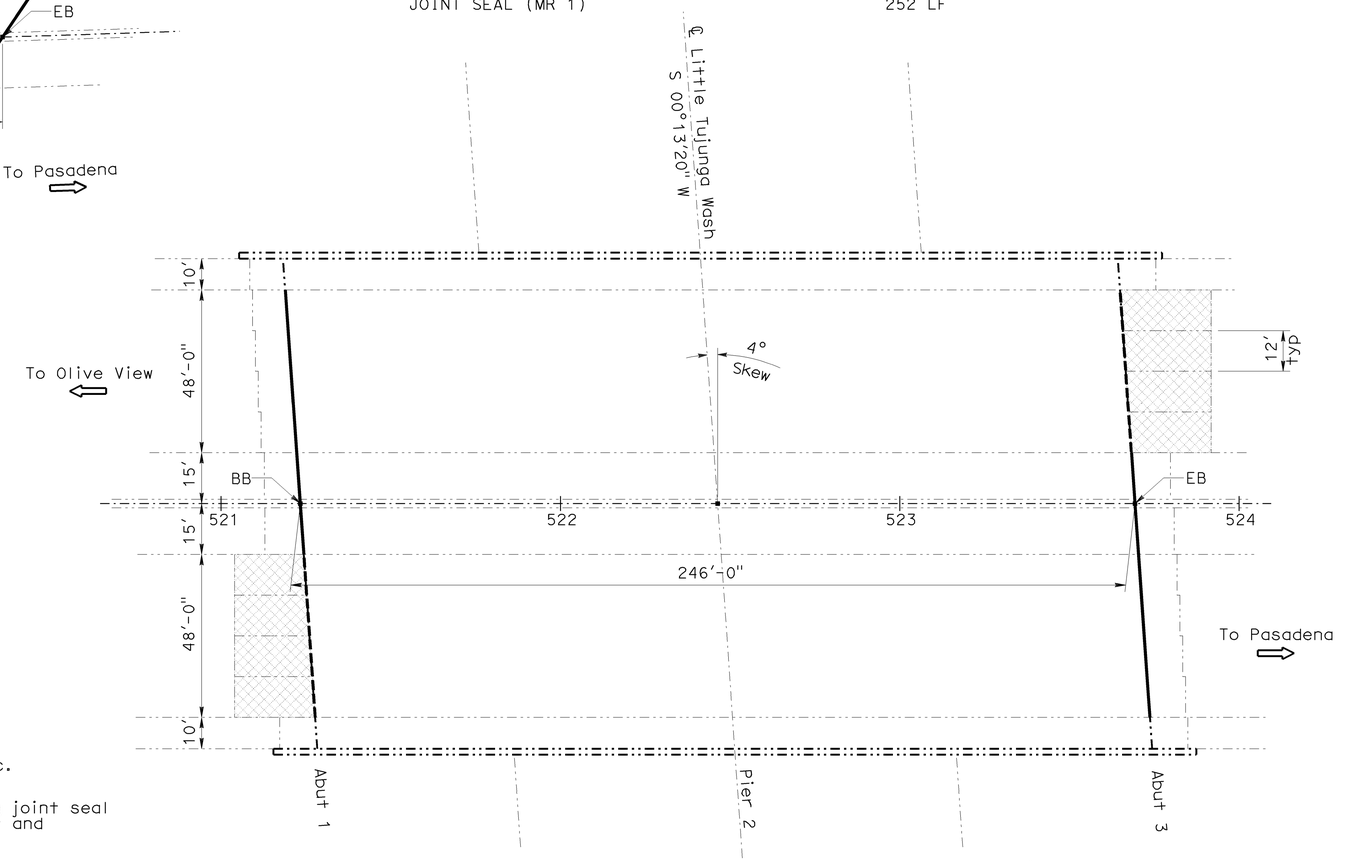
-----------	Indicates existing.
⇨	Indicates direction of traffic.
———	Indicates location of existing joint seal removal, clean expansion joint and placement of new joint seal.
▨	Indicates limits of Remove existing PCC slab and construct new structure approach slab. Type R(30D)
- - - - - - -	Indicates limits of place new joint seal.

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

LITTLE TUJUNGA WASH BRIDGE #53-2247

QUANTITIES

AGGREGATE BASE (APPROACH SLAB)	11 CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	107 CY
PAVING NOTCH EXTENSION	72 CF
CLEAN EXPANSION JOINT	252 LF
JOINT SEAL (MR 1)	252 LF



LITTLE TUJUNGA WASH BRIDGE

Br No. 53-2247, Rte 210, PM 8.28
Scale 1"=20'

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Mazin Ibrahim	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
DETAILS	BY Clayton Tom	CHECKED Mazin Ibrahim	LAYOUT	BY Clayton Tom	CHECKED Mazin Ibrahim	
QUANTITIES	BY Mazin Ibrahim	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Dave Klein	PLANS AND SPECS COMPARED Dave Klein	

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 07
EA 3Y6201

FILE => 07-3Y6201-a-gp10.dgn

BRIDGE NO. Various
POST MILE Varies

ROUTE 210 BRIDGES
GENERAL PLAN NO. 10

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 06-16-10 | 08-30-10 | 09-13-10 | 09-28-10 | 09-29-10 | 11-15-10 | 12-02-10

SHEET 10 OF 15

USERNAME => s117283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:20

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	25	29

12-02-10
REGISTERED CIVIL ENGINEER DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MAZIN S. IBRAHIM
No. C69896
Exp. 09/30/12
CIVIL
STATE OF CALIFORNIA

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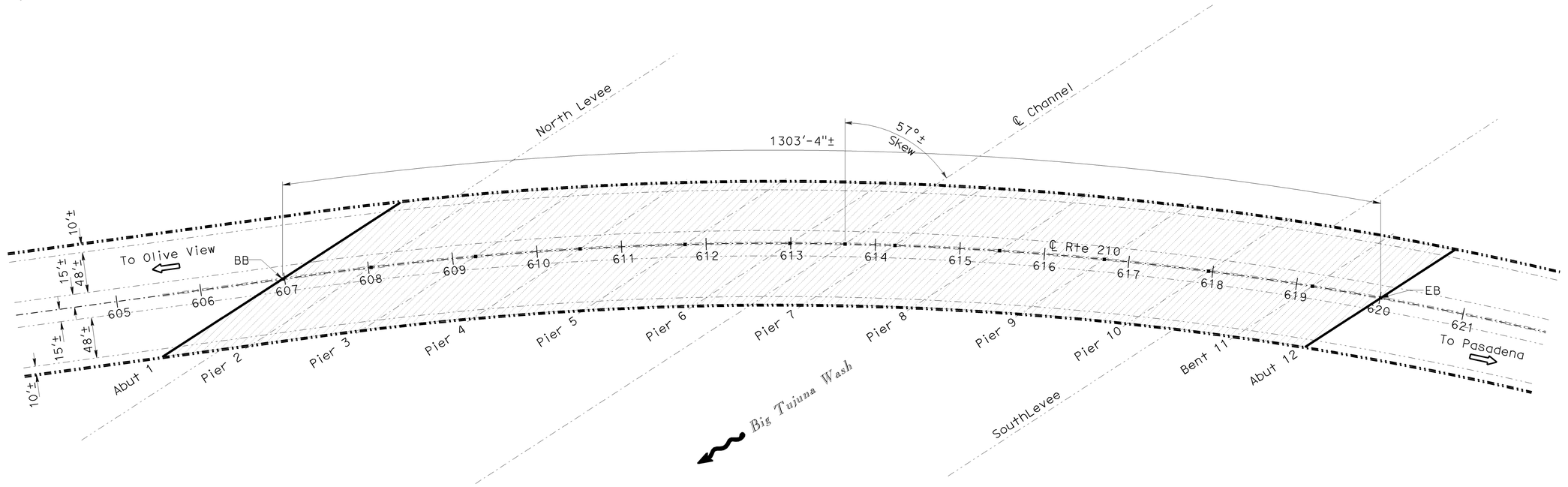
LEGEND:

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.

Indicates location of existing joint seal removal, clean expansion joint and placement of new joint seal.



BIG TUJUNGA WASH BRIDGE

Br No. 53-2249, Rte 210, PM 9.89
Scale 1"=60'
BIG TUJUNGA WASH BRIDGE #53-2249

QUANTITIES

REMOVE UNSOUND CONCRETE	480 CF
CLEAN BRIDGE DECK	190,300 SQFT
CLEAN EXPANSION JOINT	542 LF
RAPID SETTING CONCRETE (PATCH)	480 CF
JOINT SEAL (MR 1")	542 LF
TREAT BRIDGE DECK	190,300 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	2,380 GAL

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

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Mazin Ibrahim	CHECKED Hong Tien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	BY Clayton Tom	CHECKED Mazin Ibrahim	LAYOUT	BY Clayton Tom	CHECKED Mazin Ibrahim
QUANTITIES	BY Mazin Ibrahim	CHECKED Hong Tien Tran	SPECIFICATIONS	BY Dave Klein	PLANS AND SPECS COMPARED Dave Klein

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 07
EA 3Y6201

BRIDGE NO. Various
POST MILE Varies

ROUTE 210 BRIDGES
GENERAL PLAN NO. 11

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 06-10-10 | 08-30-10 | 09-28-10 | 09-29-10 | 11-15-10 | 12-02-10

SHEET 11 OF 15

FILE => 07-3Y6201-a-gp11.dgn

USERNAME => s117283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	26	29

12-02-10
REGISTERED CIVIL ENGINEER DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MAZIN S. IBRAHIM
No. C69896
Exp. 09/30/12
CIVIL
STATE OF CALIFORNIA

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JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	JOINT SEAL LOCATION	MINIMUM "MR" (inches)	EXISTING WATERSTOP	APPROX LENGTH (ft)	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)
North Connector OC	53-1991F	Abut 1	1	No	109	6	3	6	5
		Abut 4	1	No	131	6	3	6	5
Foothill Blvd UC	53-2016R	Abut 1	1	No	107	6	3	6	5
		Abut 5	1	No	107	6	3	6	5
Glenoaks Blvd UC	53-1951R	Abut 1	½	No	51	6	3	6	5
		Abut 2	½	No	51	6	3	6	5
Glenoaks Blvd UC	53-1951L	Abut 1	½	No	51	6	3	6	5
		Abut 2	½	No	51	6	3	6	5
Roxford Street UC	53-1924R	Abut 1	½	No	53	6	3	6	5
		Abut 2	½	No	53	6	3	6	5
Roxford Street UC	53-1924L	Abut 1	½	No	52	6	3	6	5
		Abut 2	½	No	54	6	3	6	5
Polk Street UC	53-1895L	Abut 1	½	No	51	6	3	6	5
		Abut 4	½	No	51	6	3	6	5
Maclay Street UC	53-1898L	Abut 1	½	No	63	6	3	6	5
		Abut 2	½	No	63	6	3	6	5
E210-W118 Connector	53-2105G	Abut 1	½	Yes	40	12	3	6	5
		Abut 2	½	Yes	40	12	3	6	5
Paxton Street UC	53-2115	Abut 1	½	No	128	6	3	6	5
		Abut 4	½	No	132	6	3	6	5
Route 118/210 Separation	53-2104F	Abut 1	1	No	39	6	3	6	5
		Bent 4	1	Yes	40	12	3	6	5
		Bent 6	1	Yes	40	12	3	6	5
		Bent 8	1	Yes	40	12	3	6	5
		Abut 12	1	No	39	6	3	6	5
Van Nuys Blvd UC	53-2116	Abut 1	½	No	194	6	3	6	5
		Abut 2	½	No	188	6	3	6	5
Terra Bella Street UC	53-2117	Abut 1	½	No	200	6	3	6	5
		Abut 2	½	No	200	6	3	6	5
Foothill Blvd UC	53-2118	Abut 1	1	No	146	6	3	6	5
		Abut 2	1	No	146	6	3	6	5
Little Tujunga Wash	53-2247	Abut 1	1	No	126	6	3	6	5
		Abut 3	1	No	126	6	3	6	5
Big Tujunga Wash	53-2249	Abut 1	1	No	271	6	3	6	5
		Abut 12	1	No	271	6	3	6	5

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

	BY	CHECKED
DESIGN	Mazin Ibrahim	James Holloway
DETAILS	Clayton Tom	Mazin Ibrahim
QUANTITIES	Mazin Ibrahim	James Holloway

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 07
EA 3Y6201

BRIDGE NO. Various
POST MILE Varies

ROUTE 210 BRIDGES
MISCELLANEOUS DETAILS NO. 1

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 06-30-10 | 08-30-10 | 09-28-10 | 09-29-10 | 10-13-10 | 11-15-10 | 12-02-10

SHEET 12 OF 15

FILE => 07-3Y6201-u-miscdt01.dgn

USERNAME => s117283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:22

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	27	29

REGISTERED CIVIL ENGINEER — 12-02-10 DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — MAZIN S. IBRAHIM — No. C69896 — Exp. 09/30/12 — CIVIL — STATE OF CALIFORNIA

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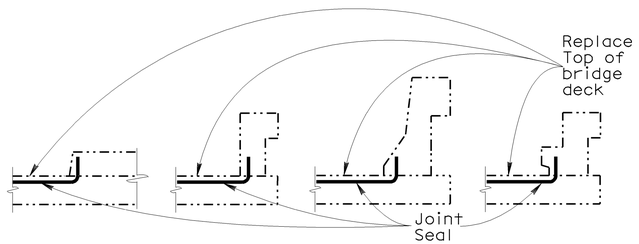
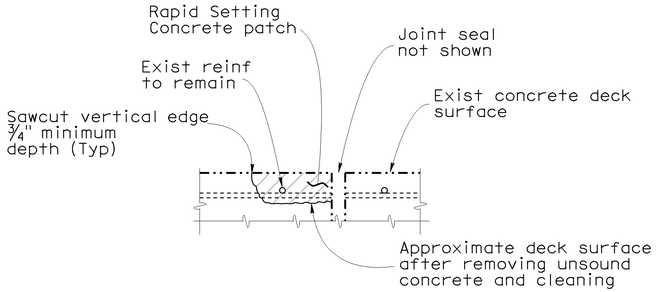


BARRIER RAIL

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.



JOINT SPALL REPAIR DETAIL

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

NOTES:

The following notes apply to JOINT SEAL TYPE A:

Install Joint Seal (MR = ½") 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.

The following notes apply to JOINT SEAL TYPE B:

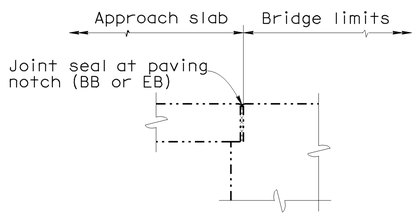
1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.

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.

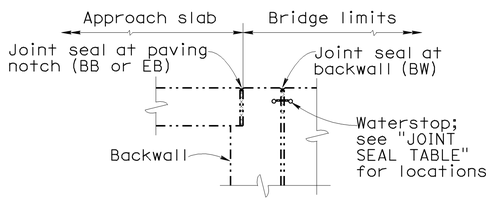
3) W1 shall be the smaller of the values determined as follows:
   A) 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
   B) The width of the seal on the third successive test cycle of the pressure deflection test, when compressed to an average pressure of 3.0 PSI.

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.

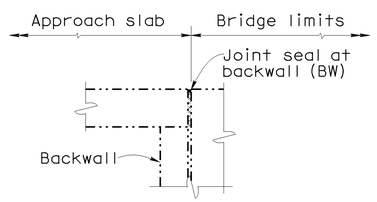
For details not shown see RSP B6-21.



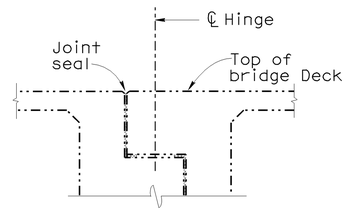
DIAPHRAGM ABUTMENT



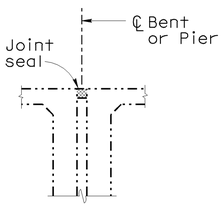
ABUTMENT WITH BACKWALL AND PAVING NOTCH



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 Mazin Ibrahim	CHECKED James Holloway	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Clayton Tom	CHECKED Mazin Ibrahim	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
QUANTITIES	BY Mazin Ibrahim	CHECKED James Holloway	BRIDGE NO. Various / POST MILE Varies

ROUTE 210 BRIDGES

MISCELLANEOUS DETAILS NO. 2

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 07
EA 3Y6201

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 06-30-10 | 08-30-10 | 09-28-10 | 09-29-10 | 11-15-10 | 12-02-10

SHEET 13 OF 15

FILE => 07-3Y6201-u-miscdt02.dgn

USERNAME => s1172283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:23

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
07	LA	210	R0.0/R9.9	28	29

12-02-10
REGISTERED CIVIL ENGINEER — DATE

3-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — MAZIN S. IBRAHIM — No. C69896 — Exp. 09/30/12 — CIVIL — STATE OF CALIFORNIA

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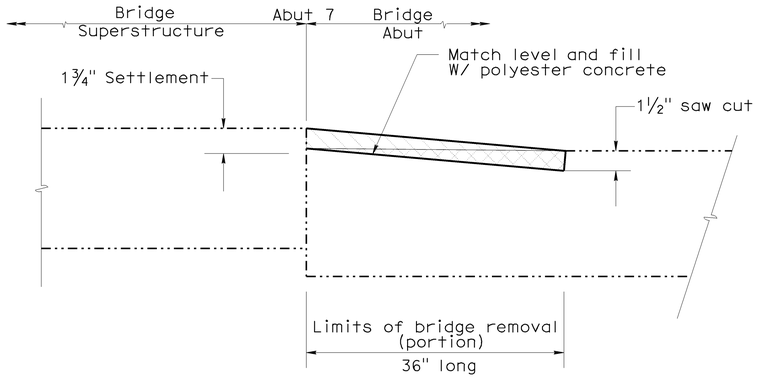
DECK REPAIR TABLE
REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)

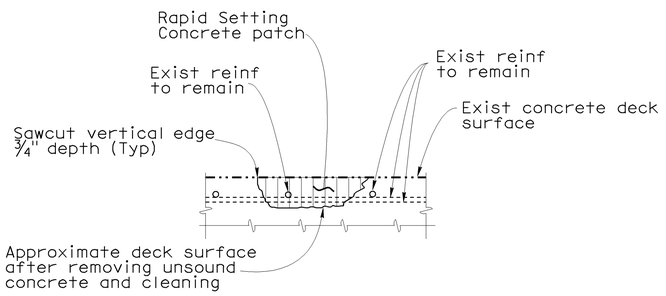
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (%)	APPROXIMATE DEPTH (INCHES)
Foothill Blvd UC	53-2016R	1	3
Foothill Blvd UC	53-2016L	1	3
Yarnell Street UC	53-2017L	1	3
Pacoima Wash	53-2113	1	3
Route 118/210 Separation	53-2104F	1	3
Big Tujunga Wash	53-2249	1	3

DECK REPAIR NOTES:

1. Existing reinforcement shall be protected in place during unsound concrete removal and patching operations.
2. It is responsibility of the Contractor to repair any reinforcement that is accidently cut by saw cutting operations.
3. When existing transverse reinforcement is exposed in the deck surface, saw cutting shall be waived with the approval of the Engineer.
4. The saw cut depth shall not exceed ¾ inch or the concrete cover over the top steel reinforcing bars, whichever is less.
5. Remove unsound Portland Cement concrete and unsound concrete patches to expose sound, hard concrete substrate. Replace original deck surface with rapid setting concrete patch.



ASTORIA STREET POC
LEVELING SETTLEMENT DETAIL



DECK DAMAGE REPAIR DETAIL

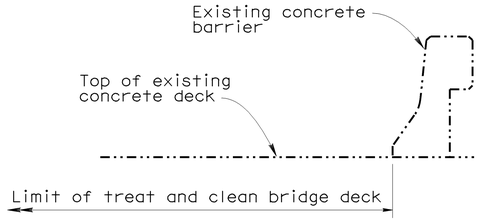
Location will be determined by the Engineer. Reinforcement may be encountered during deck concrete removal and is to remain undamaged.

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

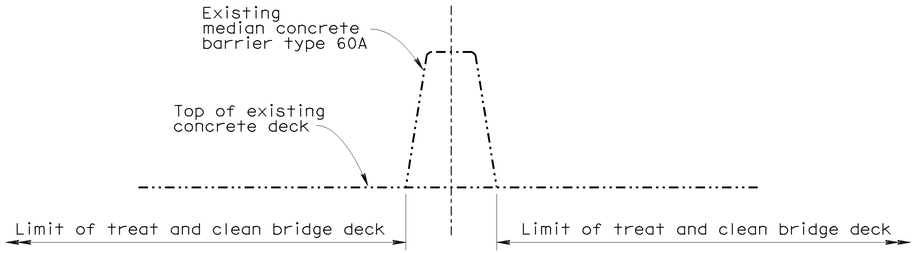
LEGEND:

Indicates bridge removal (portion)

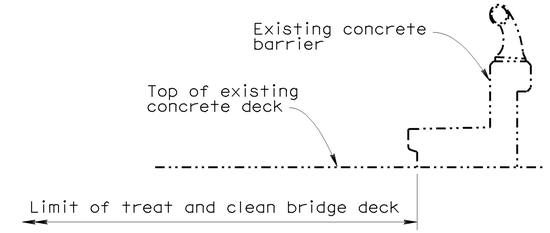
Indicates prepare concrete bridge deck surface and place polyester concrete overlay



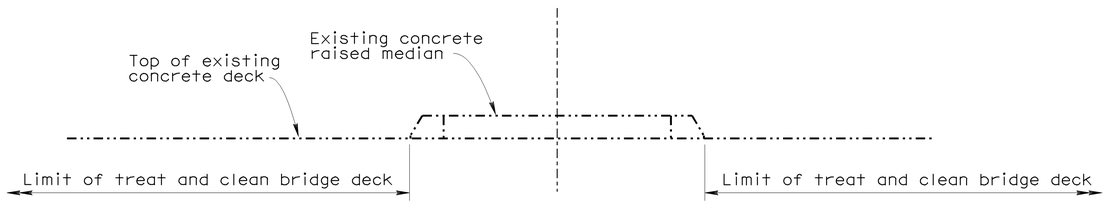
EOD BARRIER



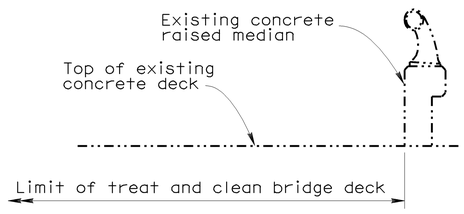
MEDIAN BARRIER



SIDEWALK BARRIER TYPE 2



RAISED MEDIAN



SIDEWALK BARRIER TYPE 1

TYPICAL LIMITS OF DECK WORK

NO SCALE

DESIGN	BY Mazin Ibrahim	CHECKED James Holloway	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Various	ROUTE 210 BRIDGES	
DETAILS	BY Clayton Tom	CHECKED Mazin Ibrahim			POST MILE Varies	MISCELLANEOUS DETAILS NO. 3	
QUANTITIES	BY Mazin Ibrahim	CHECKED James Holloway		CU 07 EA 3Y6201	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES: 06-10-10, 08-30-10, 09-28-10, 09-29-10, 11-18-10, 12-02-10	SHEET 14 OF 15

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

FILE => 07-3Y6201-u-miscdt03.dgn

USERNAME => s117283 DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:24

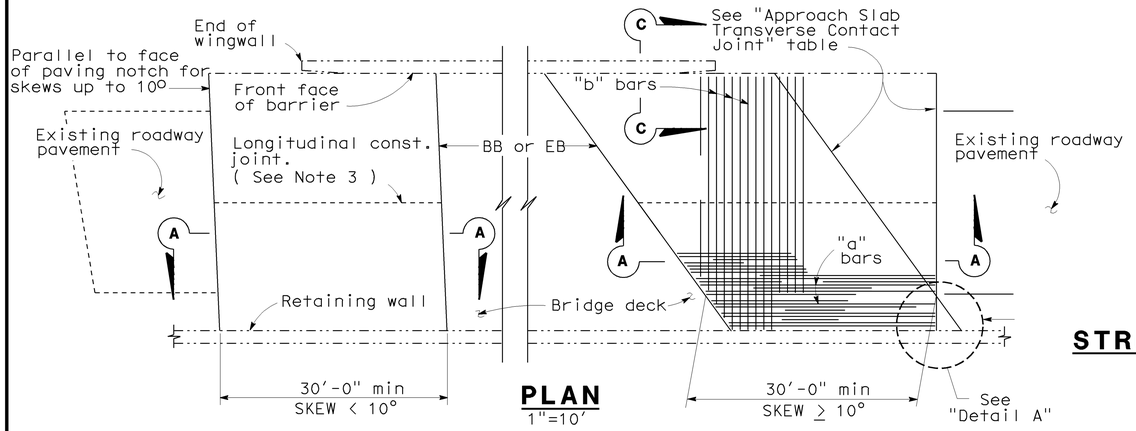
DIST.	COUNTY	ROUTE	MILE POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	210	R0.0/R9.9	29	29

12-02-10
REGISTERED ENGINEER - CIVIL

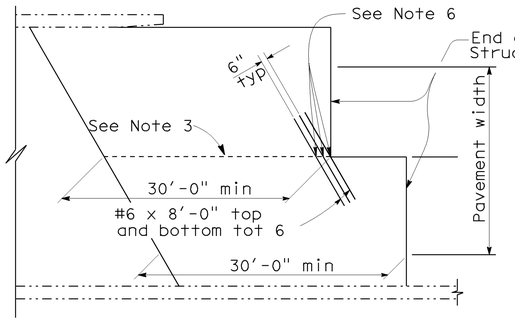
3-28-11
PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER — MALIN S. IBRAHIM — No. C69896 — Exp.09/30/12 — CIVIL — STATE OF CALIFORNIA

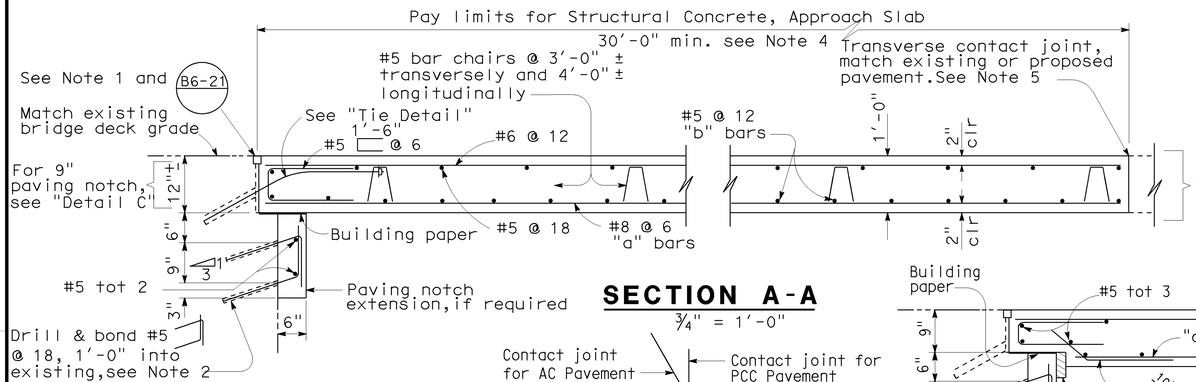


PLAN
1"=10'

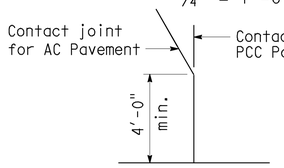


STRUCTURE APPROACH - END STAGGER DETAIL
No Scale

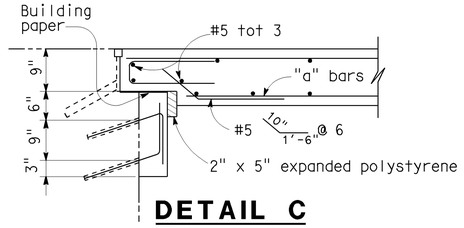
APPROACH SLAB TRANSVERSE CONTACT JOINT		
APPROACH SKEW	WITH AC ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
< 10°	Parallel to face of paving notch	Parallel to face of paving notch
10° - 45°	Parallel to face of P N use (Detail A)	Stagger lines 24' to 36' apart
> 45°	Parallel to face of P N use (Detail A)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



SECTION A-A
¾" = 1'-0"

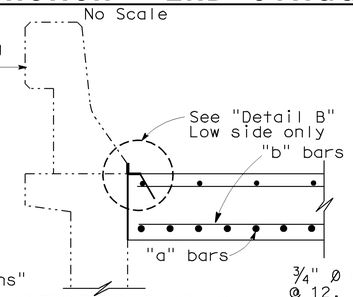


DETAIL A
No Scale

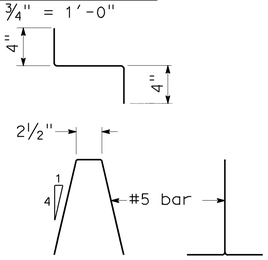


DETAIL C
¾" = 1'-0"

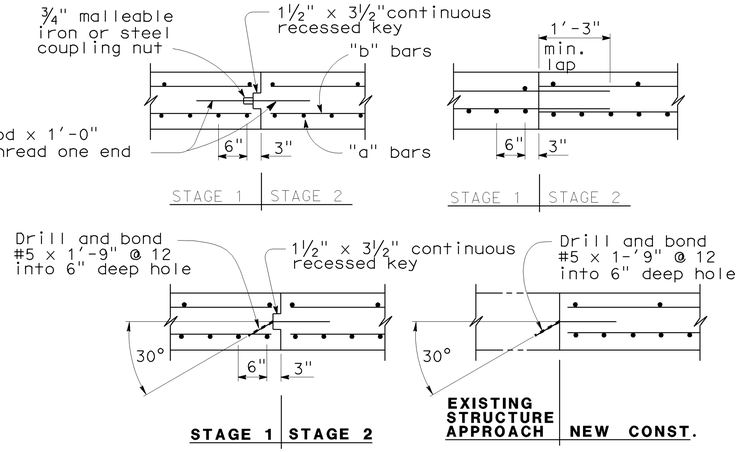
NOTE: For details not shown,see "Section A-A".



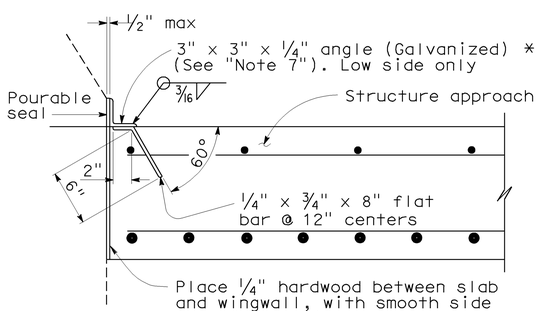
SECTION C-C
¾" = 1'-0"



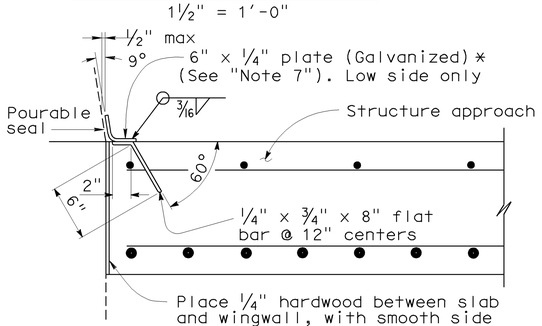
BAR CHAIR DETAIL
1½" = 1'-0"



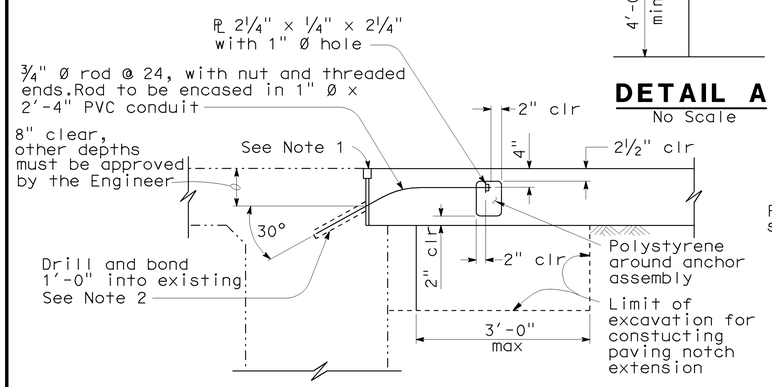
LONGITUDINAL CONSTRUCTION JOINT ALTERNATIVES
¾" = 1'-0"



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



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



TIE DETAIL
¾" = 1'-0"

NOTES:

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

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

DETAIL B
1½" = 1'-0"

STANDARD DRAWING

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE NO.	ROUTE 210 BRIDGES
Various	
MILE POST	STRUCTURE APPROACH TYPE R(30D)
Varies	

DS OSD 2147A (ENGLISH) (REV. X/XX/XX)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 07
EA 3Y6201

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY): 06-10-10 | 08-30-10 | 09-28-10 | 09-29-10 | 11-15-10 | 12-02-10

SHEET 15 OF 15

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DATE PLOTTED => 21-MAR-2011 TIME PLOTTED => 10:25

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