Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	1	86

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-3	TYPICAL CROSS SECTIONS
4-10	CONSTRUCTION DETAILS
11	CONSTRUCTION AREA SIGNS
12-19	DETOUR PLANS
20-30	PAVEMENT DELINEATION QUANTITIES
31-38	SIGN DETAILS
39-48	SUMMARY OF QUANTITIES
49-51	ELECTRICAL PLANS
52-74	REVISED STANDARD PLANS

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN SAN BERNARDINO COUNTY AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

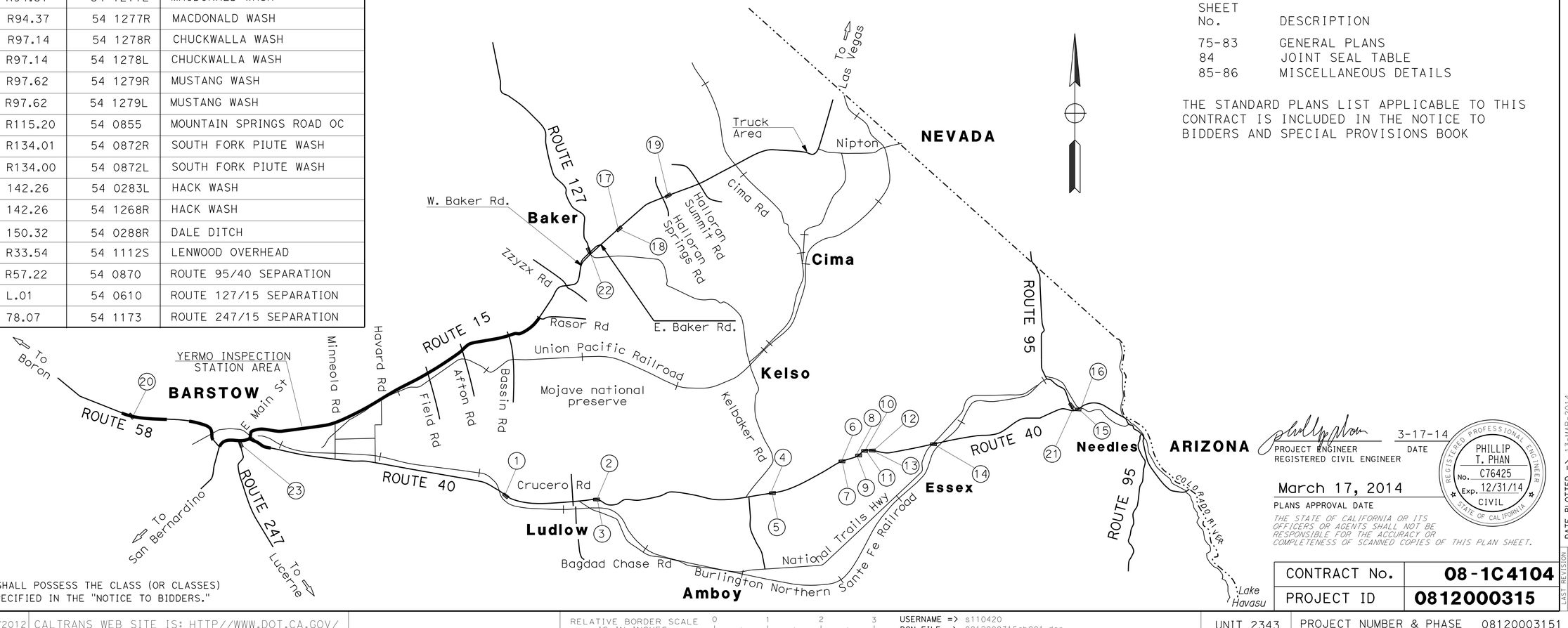
INDEX OF STRUCTURE PLANS

SHEET No.	DESCRIPTION
75-83	GENERAL PLANS
84	JOINT SEAL TABLE
85-86	MISCELLANEOUS DETAILS

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

LOCATIONS OF CONSTRUCTION

Loc No.	Rte	PM	Br No.	Structure Name
1	040	R41.19	54 0734	LAVIC ROAD OC
2	040	R54.75	54 0758L	ASH HILL WASH
3	040	R54.77	54 0758R	ASH HILL WASH
4	040	R80.42	54 1274L	MARBLE WASH
5	040	R80.44	54 1274R	MARBLE WASH
6	040	R91.64	54 1276L	NEPRUD WASH
7	040	R91.66	54 1276R	NEPRUD WASH
8	040	R94.37	54 1277L	MACDONALD WASH
9	040	R94.37	54 1277R	MACDONALD WASH
10	040	R97.14	54 1278R	CHUCKWALLA WASH
11	040	R97.14	54 1278L	CHUCKWALLA WASH
12	040	R97.62	54 1279R	MUSTANG WASH
13	040	R97.62	54 1279L	MUSTANG WASH
14	040	R115.20	54 0855	MOUNTAIN SPRINGS ROAD OC
15	040	R134.01	54 0872R	SOUTH FORK PIUTE WASH
16	040	R134.00	54 0872L	SOUTH FORK PIUTE WASH
17	015	142.26	54 0283L	HACK WASH
18	015	142.26	54 1268R	HACK WASH
19	015	150.32	54 0288R	DALE DITCH
20	058	R33.54	54 1112S	LENWOOD OVERHEAD
21	095	R57.22	54 0870	ROUTE 95/40 SEPARATION
22	127	L.01	54 0610	ROUTE 127/15 SEPARATION
23	247	78.07	54 1173	ROUTE 247/15 SEPARATION



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

PROJECT MANAGER: CATALINO PINING

DESIGN ENGINEER: PHILLIP T. PHAN

PROJECT ENGINEER / REGISTERED CIVIL ENGINEER — DATE: 3-17-14

PHILLIP T. PHAN — No. C76425 — Exp. 12/31/14 — CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

PLANS APPROVAL DATE: March 17, 2014

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.	08-1C4104
PROJECT ID	0812000315

LAST REVISION 03-17-14

DATE PLOTTED => 13-MAR-2014
TIME PLOTTED => 10:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	2	86

REGISTERED CIVIL ENGINEER — 3-17-14 DATE

PLANS APPROVAL DATE — 3-17-14

REGISTERED PROFESSIONAL ENGINEER — PHILLIP T. PHAN No. C76425 Exp. 12/31/14 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.

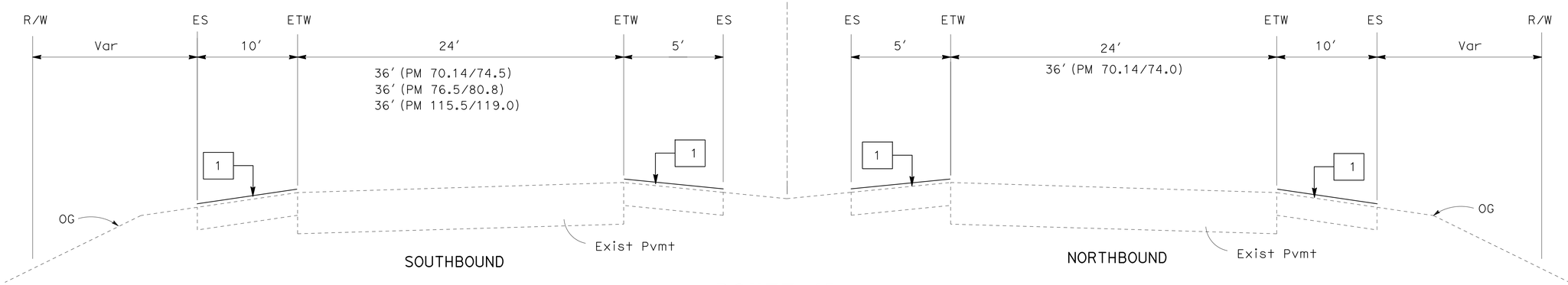
NOTES:

1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
5. ALL WORK WITHIN STATE RIGHT OF WAY.

STRUCTURAL SECTION NOTES:

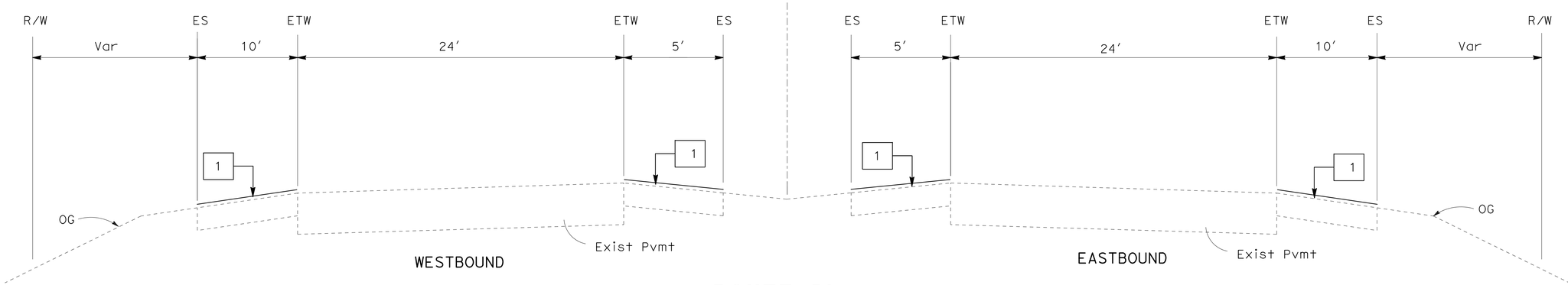
1	FOG SEAL ON EXISTING AC SHOULDER
2	COLD PLANE ASPHALT CONCRETE PAVEMENT 0.30' PLACE 0.30' HMA TYPE A
3	SLURRY SEAL (TYPE III)

℄ ROUTE 15



ROUTE 15
PM 70.14 TO 124.20

℄ ROUTE 58



ROUTE 58
PM 12.9 TO 22.4
PM 31.2 TO 34.7

TYPICAL CROSS SECTIONS

NO SCALE — **X-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: KEVIN CHEN
CALCULATED-DESIGNED BY: PHILLIP T. PHAN
CHECKED BY: MICHAEL RISTIC
REVISED BY / DATE REVISED:

LAST REVISION DATE PLOTTED => 13-MAR-2014
03-17-14 TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010
USERNAME => s110420
DGN FILE => 0812000315ca001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2343
PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	3	86

REGISTERED CIVIL ENGINEER — DATE 3-17-14

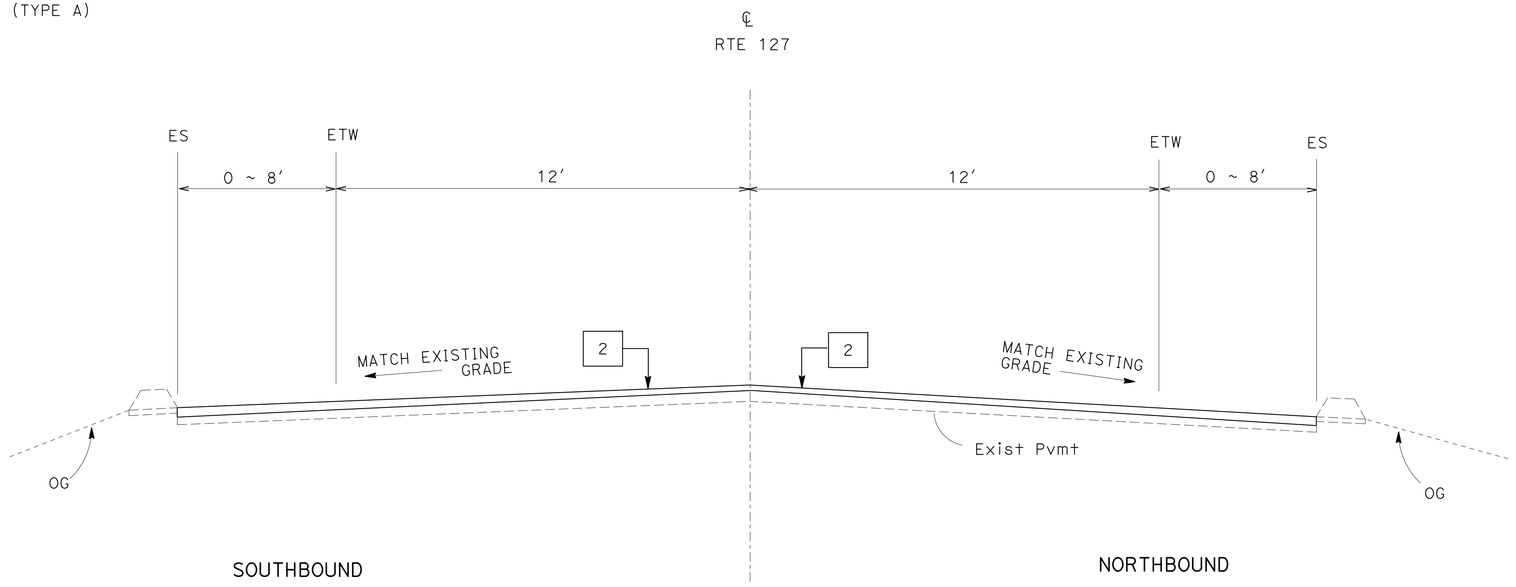
PHILLIP T. PHAN No. C76425 Exp. 12/31/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

PLANS APPROVAL DATE 3-17-14

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.

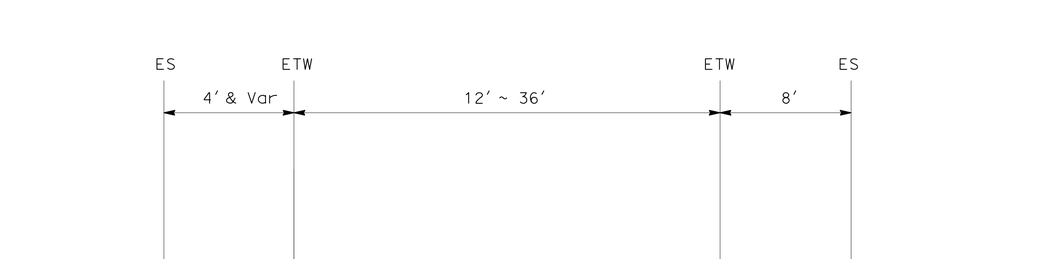
LEGEND:

HMA-A HOT MIX ASPHALT (TYPE A)



ROUTE 127

FROM PM L0.07 TO PM L0.17



RTE 15, 40 RAMPS

YERMO INSPECTION STATION AREA

TYPICAL CROSS SECTIONS

NO SCALE **X-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: KEVIN CHEN

CALCULATED-DESIGNED BY: PHILLIP T. PHAN

CHECKED BY: MICHAEL RISTIC

REVISED BY / DATE REVISED

LAST REVISION: DATE PLOTTED => 13-MAR-2014 TIME PLOTTED => 10:43 — 03-17-14

BORDER LAST REVISED 7/2/2010

USERNAME => s110420
DGN FILE => 0812000315ca002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2343

PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	4	86

REGISTERED CIVIL ENGINEER — DATE 3-17-14

PLANS APPROVAL DATE 3-17-14

PHILLIP T. PHAN No. C76425 Exp. 12/31/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

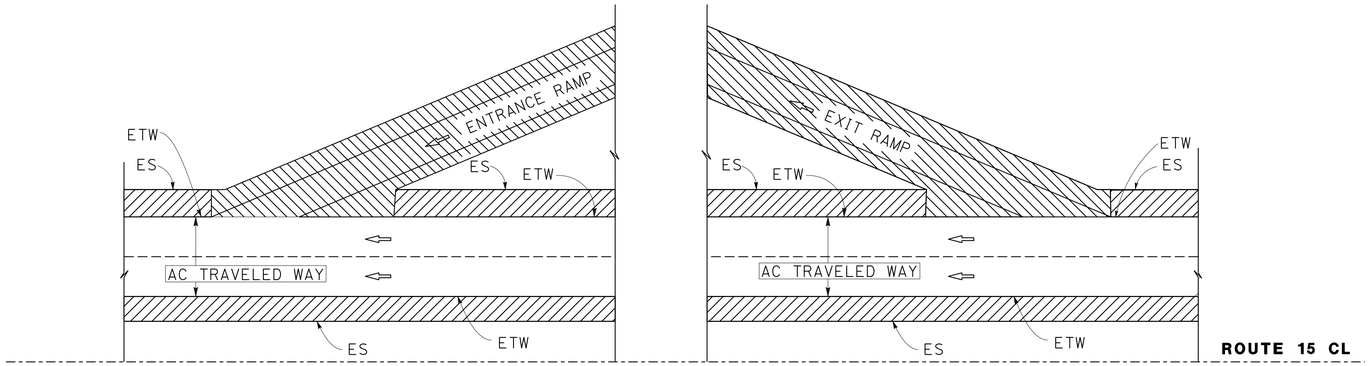
NOTE:

1. FOR LOCATION OF WORK, SEE TYPICAL CROSS SECTIONS SHEET X-1

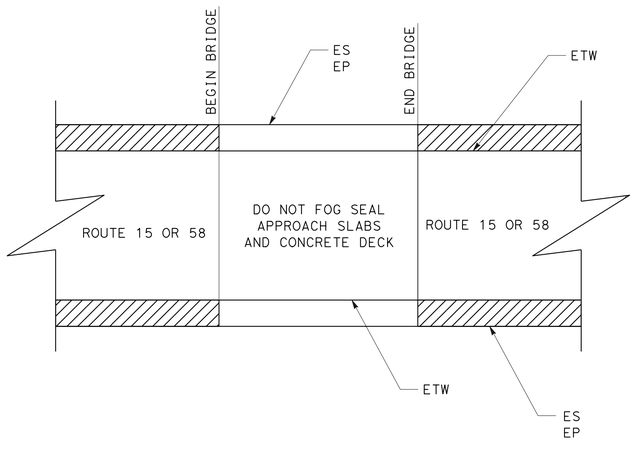
LEGEND:

FOG SEAL EXISTING AC SHOULDERS

SLURRY SEAL



LIMIT OF WORK AT GORE AREA



LIMIT OF WORK AT BRIDGE DECK AREA

CONSTRUCTION DETAILS

NO SCALE **C-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: KEVIN CHEN

CALCULATED-DESIGNED BY: PHILLIP T. PHAN

CHECKED BY: MICHAEL RISTIC

REVISED BY / DATE REVISED

LAST REVISION 03-17-14

DATE PLOTTED => 13-MAR-2014
TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010

USERNAME => s110420
DGN FILE => 08120003315ga001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2343

PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	5	86

REGISTERED CIVIL ENGINEER — DATE 3-17-14

PLANS APPROVAL DATE 3-17-14

PHILLIP T. PHAN No. C76425 Exp. 12/31/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

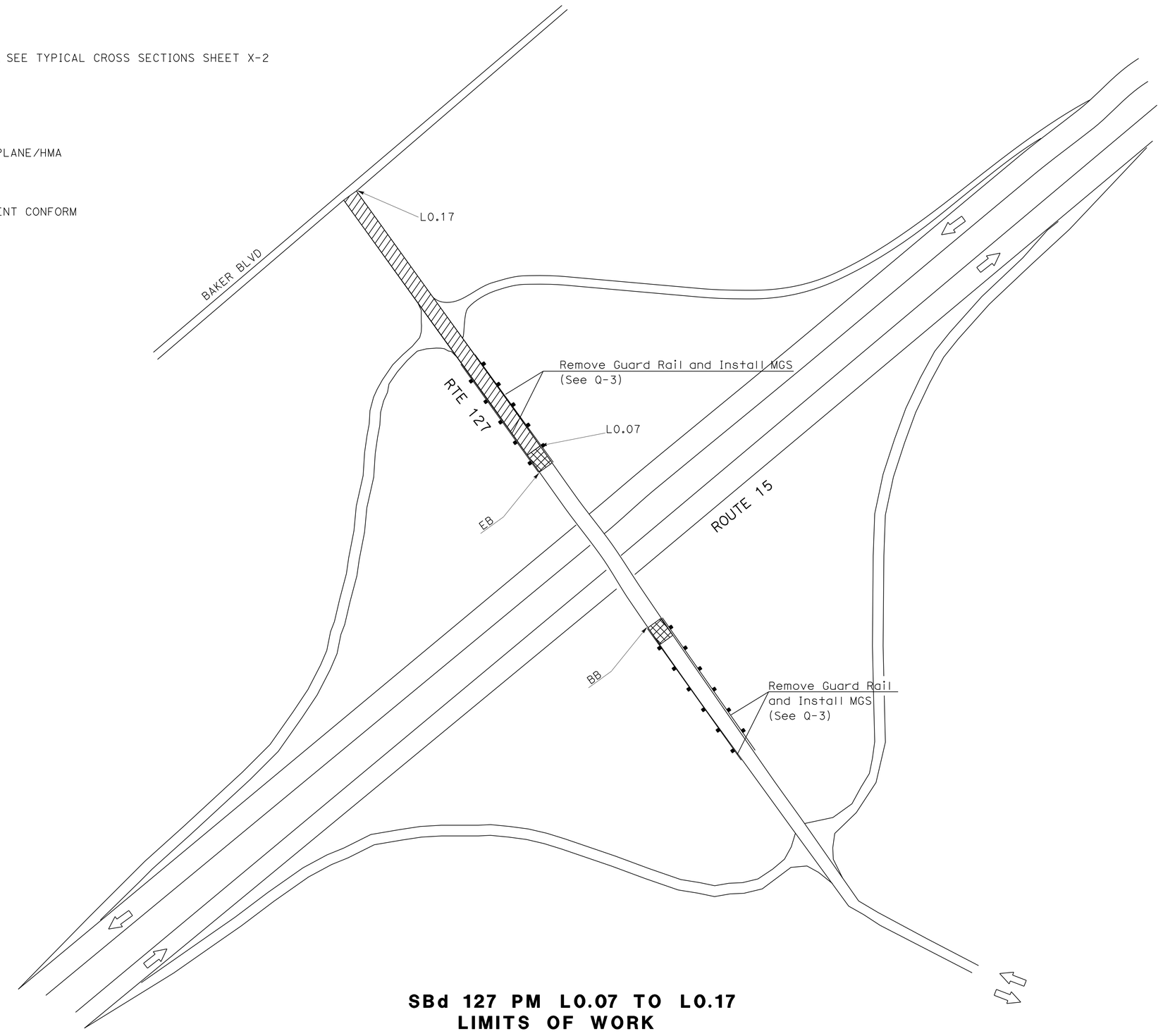
NOTE:

FOR LOCATION OF WORK, SEE TYPICAL CROSS SECTIONS SHEET X-2

LEGEND:

COLD PLANE/HMA

PAVEMENT CONFORM



SBd 127 PM L0.07 TO L0.17
LIMITS OF WORK

CONSTRUCTION DETAILS

NO SCALE **C-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: KEVIN CHEN

CALCULATED-DESIGNED BY: PHILLIP T. PHAN

CHECKED BY: MICHAEL RISTIC

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 13-MAR-2014 | 03-17-14 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010

USERNAME => s110420
DGN FILE => 08120003315ga002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2343

PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	6	86

REGISTERED CIVIL ENGINEER — DATE 3-17-14

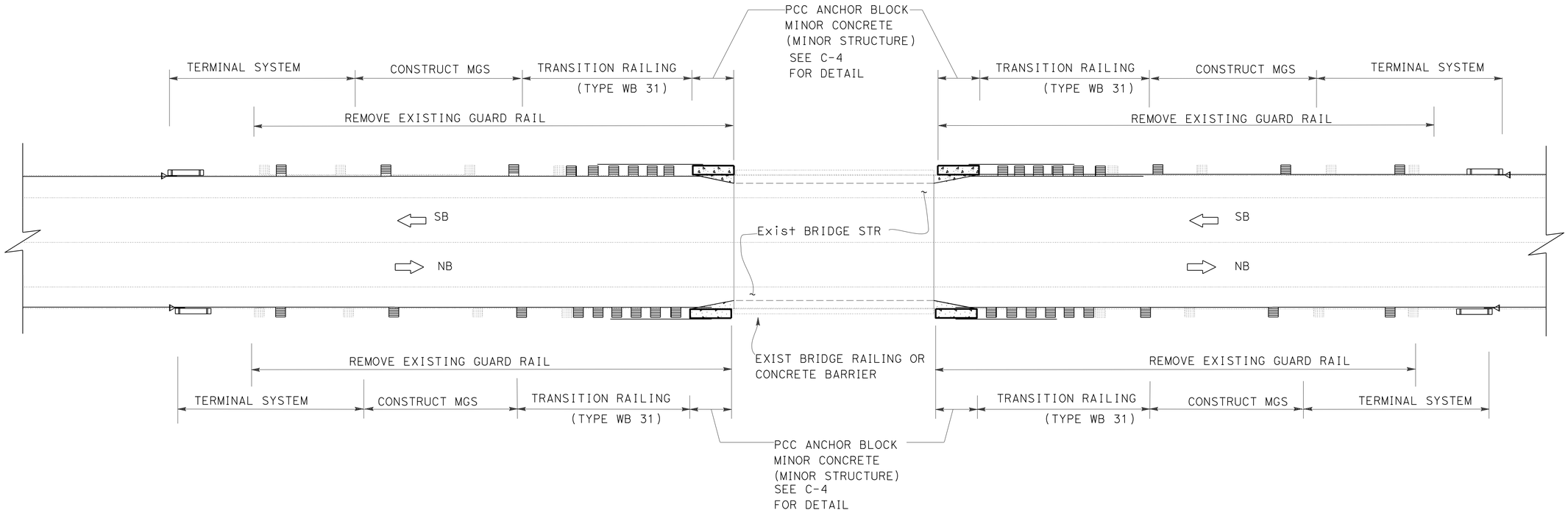
PHILLIP T. PHAN No. C76425 Exp. 12/31/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-17-14
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. SEE REVISED STANDARD PLANS RSP A77Q1 FOR MGS TYPE 12A LAYOUT.
2. SEE CONSTRUCTION DETAILS C-4 FOR THRIE BEAM CONNECTION DETAILS.



TYPICAL MGS-BRIDGE CONNECTION
AT ROUTE 127 PM L0.07 TO L0.17

CONSTRUCTION DETAILS

NO SCALE

C-3

LAST REVISION 03-17-14
DATE PLOTTED => 13-MAR-2014
TIME PLOTTED => 10:43

PHILLIP T. PHAN — CALCULATED-DESIGNED BY
MICHAEL RISTIC — CHECKED BY
KEVIN CHEN — FUNCTIONAL SUPERVISOR
REVISED BY — DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

BORDER LAST REVISED 7/2/2010

USERNAME => s110420
DGN FILE => 0812000315ga003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2343

PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	7	86

REGISTERED CIVIL ENGINEER — DATE 3-17-14

PHILLIP T. PHAN No. C76425 Exp. 12/31/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

PLANS APPROVAL DATE 3-17-14

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.

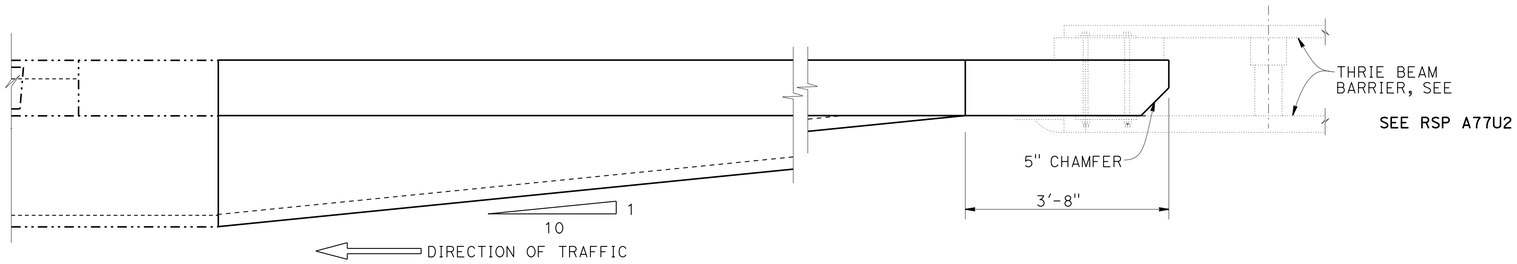
NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
2. CUT AND REMOVE PORTION OF TYPE 2 AND MGS AS REQUIRED.

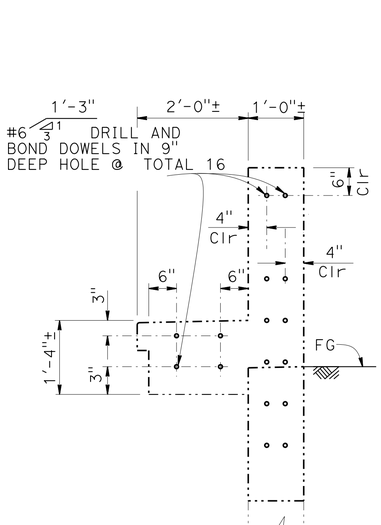
LEGEND:

·-·-·- INDICATES EXISTING STRUCTURE

——— INDICATES NEW STRUCTURE

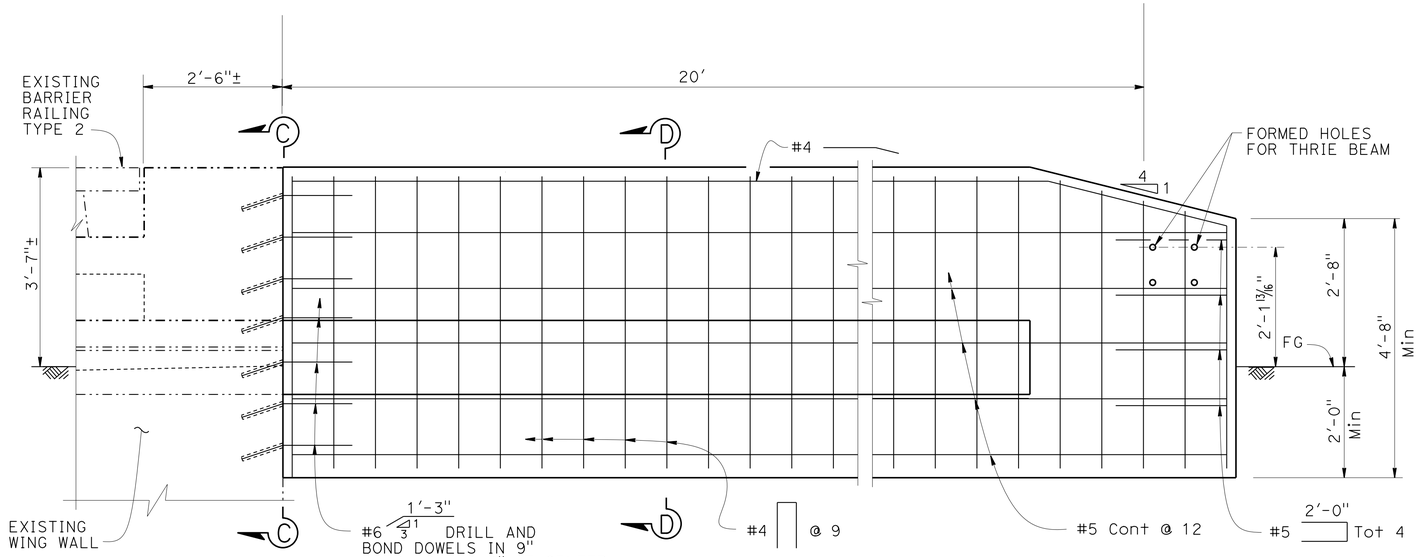


PLAN

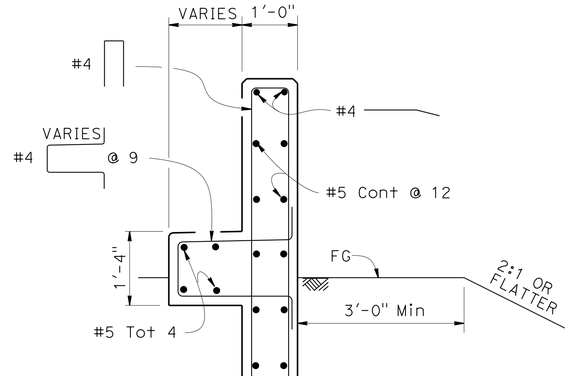


SECTION C-C

3/4" = 1'-0"



ELEVATION



SECTION D-D

3/4" = 1'-0"

THRIE BEAM CONNECTION DETAILS

CONSTRUCTION DETAILS

NO SCALE

C-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: MICHAEL RISTIC

CALCULATED-DESIGNED BY: PHILLIP T. PHAN

CHECKED BY: MICHAEL RISTIC

REVISED BY | DATE REVISED

LAST REVISION: DATE PLOTTED => 13-MAR-2014 TIME PLOTTED => 10:43 — 03-17-14

BORDER LAST REVISED 7/2/2010

USERNAME => s110420
DGN FILE => 08120003315ga004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2343

PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	8	86

REGISTERED CIVIL ENGINEER — 3-17-14 DATE

PHILLIP T. PHAN No. C76425 Exp. 12/31/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

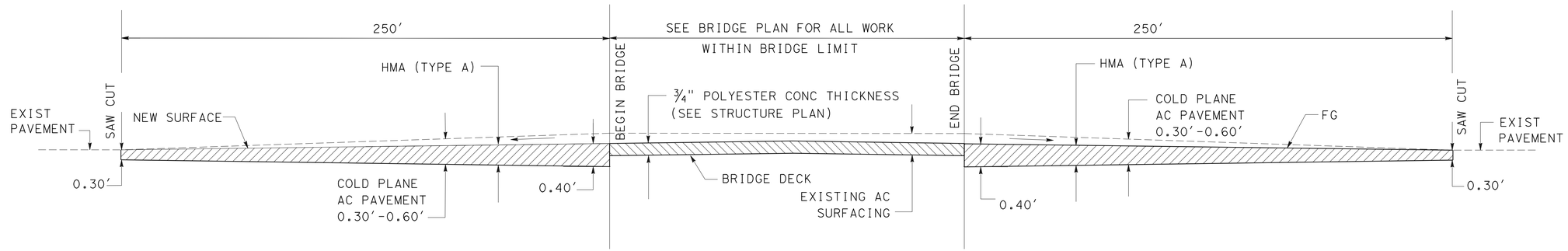
3-17-14
PLANS APPROVAL DATE

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:

COLD PLANE AC PAVEMENT AND HMA (TYPE A)

POLYESTER CONCRETE THICKNESS (SEE STRUCTURE PLAN)



PAVEMENT CONFORM AT ROUTE 127/15 SEPARATION

DETAILS SHOWN APPLY ONLY AT THE FOLLOWING LOCATION:

NAME	BRIDGE NO.	COLD PLANE (SQYD)	HMA TYPE A (TONS)	TACK COAT (TONS)
ROUTE 127/15 SEPARATION	54-0610	2240	620	1

REVISED BY | DATE REVISED

PHILLIP T. PHAN | MICHAEL RISTIC

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MICHAEL RISTIC

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

TYPICAL CONSTRUCTION DETAILS

NO SCALE

C-5

LAST REVISION | DATE PLOTTED => 13-MAR-2014 | TIME PLOTTED => 10:43 | 03-17-14

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 08120003151ga005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2343 | PROJECT NUMBER & PHASE 08120003151

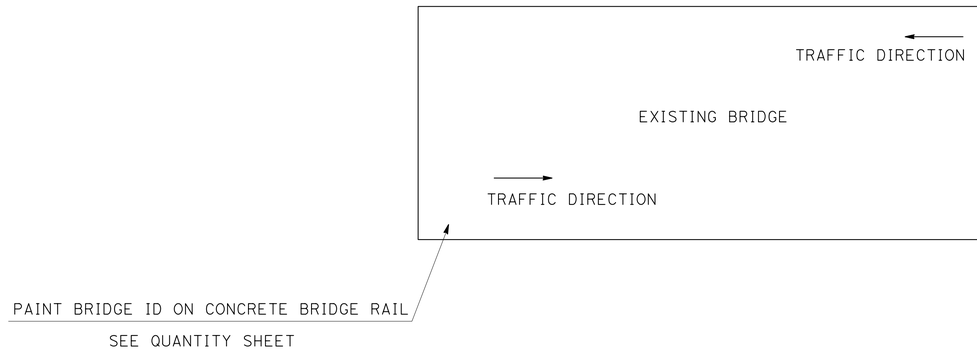
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	9	86

REGISTERED CIVIL ENGINEER — DATE 3-17-14

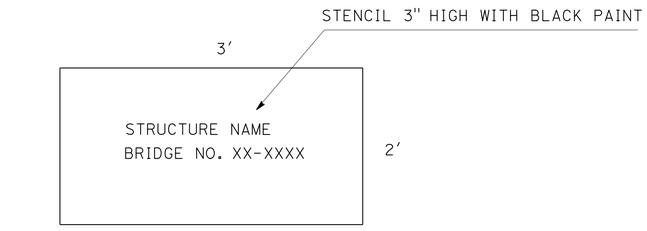
PLANS APPROVAL DATE 3-17-14

PHILLIP T. PHAN No. C76425 Exp. 12/31/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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



PLAN



PAINT CONCRETE GRAY (2'X3') PRIOR STENCILING

TYPICAL CONSTRUCTION DETAILS

NO SCALE

C-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: MICHAEL RISTIC

CALCULATED-DESIGNED BY: PHILLIP T. PHAN

CHECKED BY: MICHAEL RISTIC

REVISED BY

DATE REVISED

LAST REVISION: DATE PLOTTED => 13-MAR-2014 TIME PLOTTED => 10:43 — 03-17-14

BORDER LAST REVISED 7/2/2010

USERNAME => s110420
DGN FILE => 08120003315ga006.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2343

PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	10	86

REGISTERED CIVIL ENGINEER — DATE 3-17-14

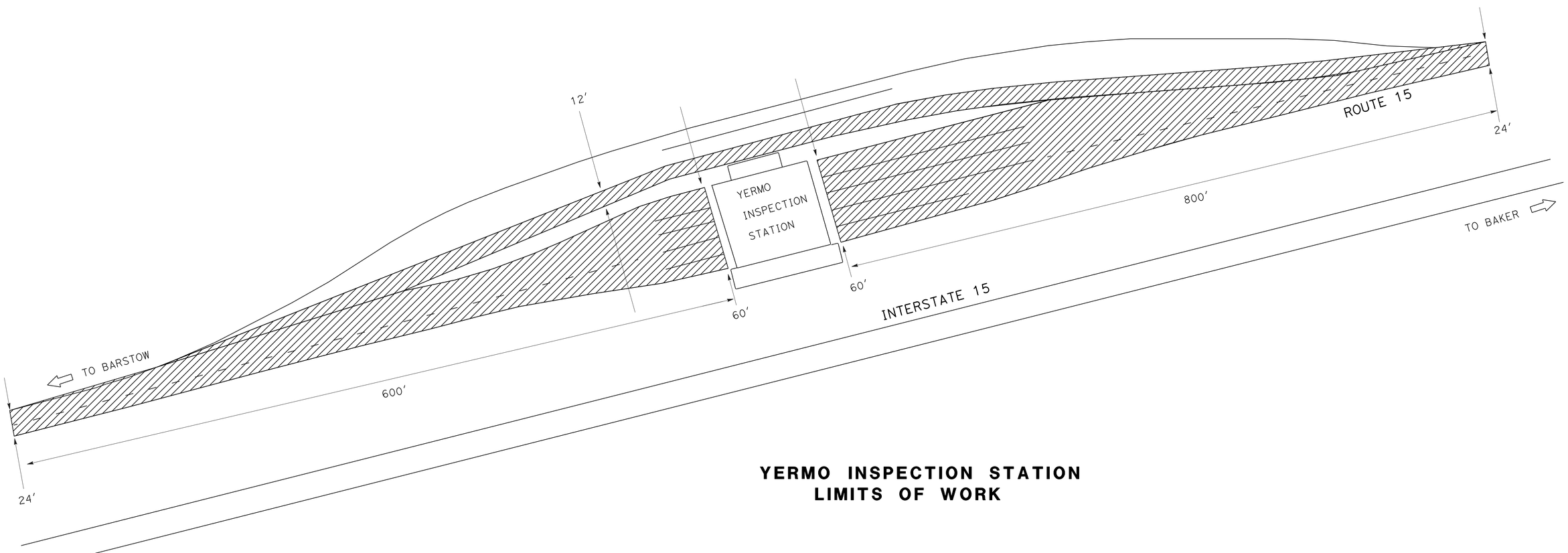
PHILLIP T. PHAN No. C76425 Exp. 12/31/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

PLANS APPROVAL DATE 3-17-14

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:

COLD PLANE AC PAVEMENT 0.3′ AND HMA (TYPE A)



YERMO INSPECTION STATION LIMITS OF WORK

QUANTITY TABLE

NAME	ROUTE/ DIRECTION	POST MILE	COLD PLANE (SQYD)	HMA TYPE A (TONS) 0.25′	TACK COAT (TONS)
YERMO INSPECTION STATION	15 SB	87.26	9200	1910	2.7

TYPICAL CONSTRUCTION DETAILS

NO SCALE **C-7**

CALCULATED-DESIGNED BY: PHILLIP T. PHAN
CHECKED BY: MICHAEL RISTIC
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: MICHAEL RISTIC

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

LAST REVISION: DATE PLOTTED => 13-MAR-2014 TIME PLOTTED => 10:43
03-17-14

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 DGN FILE => 08120003151ga007.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2343 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	11	86

REGISTERED CIVIL ENGINEER — 3-17-14 DATE

PLANS APPROVAL DATE — 3-17-14

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON No. C66092 Exp. 06/30/14 CIVIL — STATE OF CALIFORNIA

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

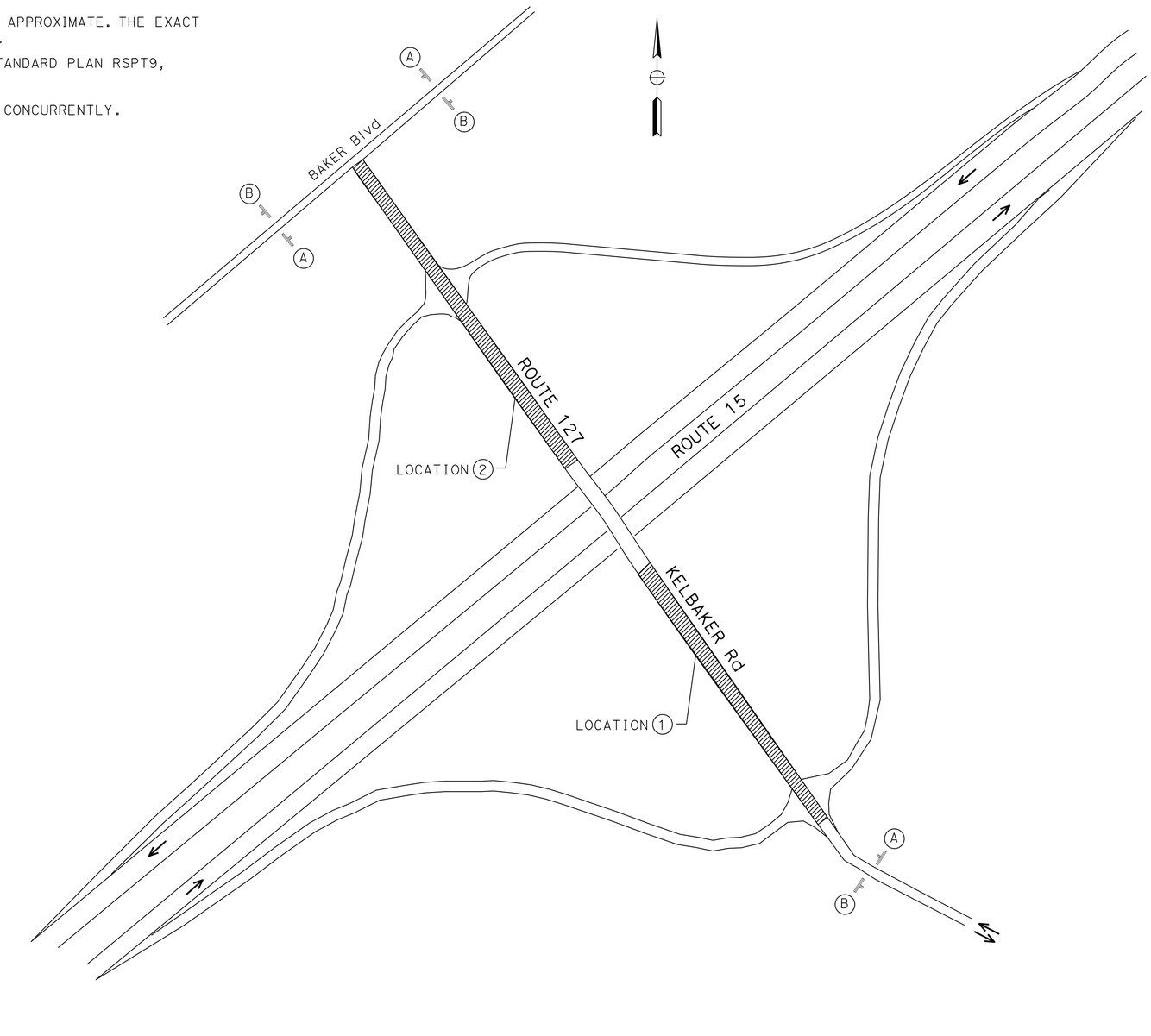
NOTES:

1. LOCATIONS OF THE CONSTRUCTION AREA SIGNS ARE APPROXIMATE. THE EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. FOR ADDITIONAL TRAFFIC CONTROL SYSTEM, SEE STANDARD PLAN RSPT9, RSPT10 AND RSPT11 THROUGH RSPT15.
3. LOCATIONS (1) AND (2) SHALL NOT BE CONSTRUCTED CONCURRENTLY.

LEGEND:

CONSTRUCTION AREA

DIRECTION OF DETOUR



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER (X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)	W20-1		48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	3
(B)	G20-2		48" x 48"	END ROAD WORK	1 - 4" x 4"	3

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

(EA)
4

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

CHRIS HARDIMON — CALCULATED-DESIGNED BY

BEN AMIRI — CHECKED BY

BEN AMIRI — FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DESIGN

Caltrans

REVISED BY | DATE REVISED

LAST REVISION — DATE PLOTTED => 13-MAR-2014 — TIME PLOTTED => 10:43 — 03-17-14

BORDER LAST REVISED 7/2/2010

USERNAME => s110420
DGN FILE => 08120003151a001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2242

PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	12	86

REGISTERED CIVIL ENGINEER — DATE 3-17-14

PLANS APPROVAL DATE 3-17-14

CHRIS HARDIMON No. C66092 Exp. 06/30/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

LEGEND:

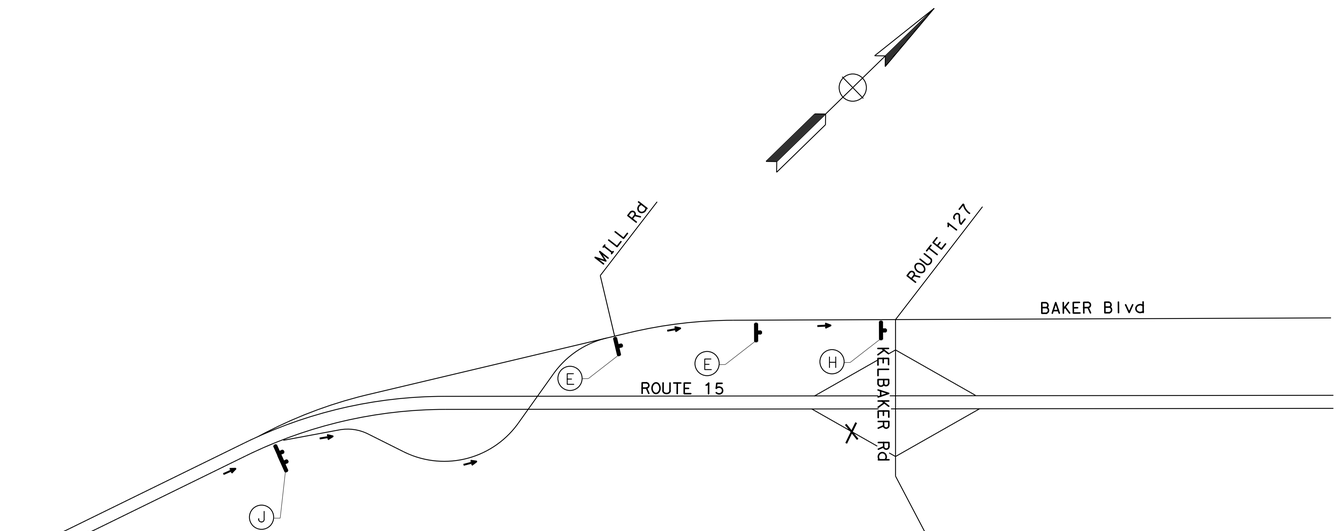
→ DIRECTION OF DETOUR

✕ RAMP CLOSED

CONSTRUCTION AREA SIGNS

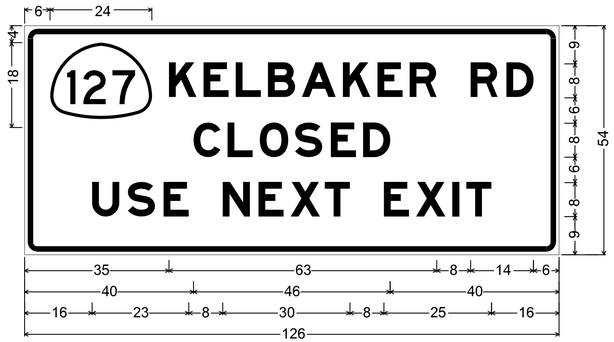
SIGN LETTER	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
* (E)		SC3(CA)	48" x 18"	↑ DETOUR	1 - 4" x 6"	2
* (H)	M4-8a		24" x 18"	END DETOUR	1 - 4" x 4"	1
(I)		C-SPEC1	114" x 48"	KELBAKER RD CLOSED USE NEXT EXIT	2 - 6" x 6"	1
(J)		C-SPEC2	102" x 54"	KELBAKER RD DETOUR ↗	2 - 6" x 6"	1
					TOTAL	5

* SIGNS MAY BE PORTABLE.



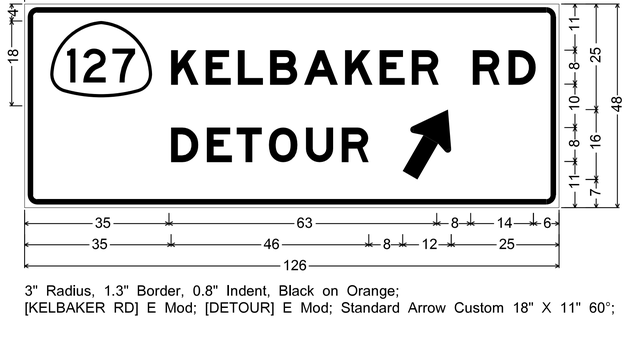
DETOUR FOR CLOSURE OF ROUTE 127/KELBAKER Rd
NB EXIT RAMP FROM ROUTE 15

C-SPEC1 SIGN DETAIL



3" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[KELBAKER RD] E Mod; [CLOSED] E Mod; [USE NEXT EXIT] E Mod;

C-SPEC2 SIGN DETAIL



3" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[KELBAKER RD] E Mod; [DETOUR] E Mod; Standard Arrow Custom 18" X 11" 60°;

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION | DATE PLOTTED => 13-MAR-2014
03-17-14 | TIME PLOTTED => 10:43

DETOUR PLAN

NO SCALE **DE-1**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	13	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

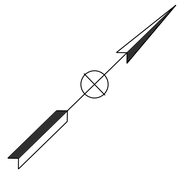
REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
CIVIL
STATE OF CALIFORNIA

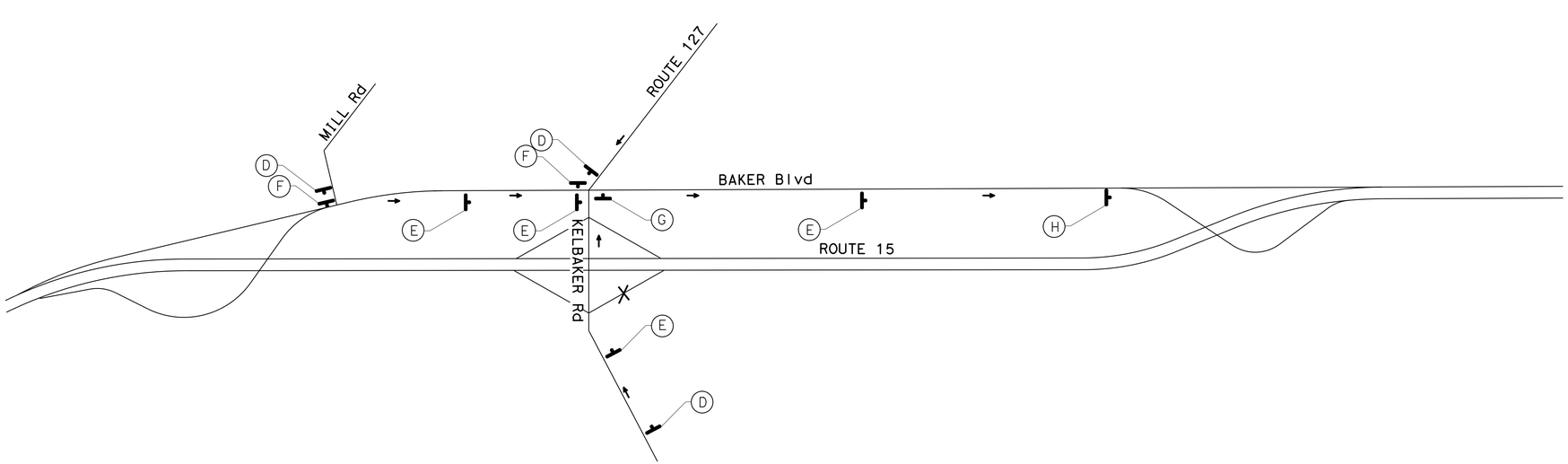
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
* (D)	W20-2		48" x 48"	DETOUR AHEAD	1 - 6" x 6"	3
* (E)			48" x 18"	↑ DETOUR	1 - 4" x 6"	4
	M3-1		24" x 12"	NORTH		
	M1-1		36" x 36"	INTERSTATE 15 SHIELD		
* (F)	M4-10(L†)		48" x 18"	← DETOUR	1 - 4" x 6"	2
	M3-1		24" x 12"	NORTH		
	M1-1		36" x 36"	INTERSTATE 15 SHIELD		
* (H)	M4-10(R†)		48" x 18"	DETOUR →	1 - 4" x 4"	1
	M3-1		24" x 12"	NORTH		
	M1-1		36" x 36"	INTERSTATE 15 SHIELD		
* (H)	M4-8a		24" x 18"	END DETOUR	1 - 4" x 4"	1
					TOTAL	11

* SIGNS MAY BE PORTABLE.





DETOUR FOR CLOSURE OF ROUTE 127/KELBAKER Rd
NB ENTRANCE RAMP TO ROUTE 15

DETOUR PLAN
NO SCALE **DE-2**

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION | DATE PLOTTED => 13-MAR-2014
03-17-14 | TIME PLOTTED => 10:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	14	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

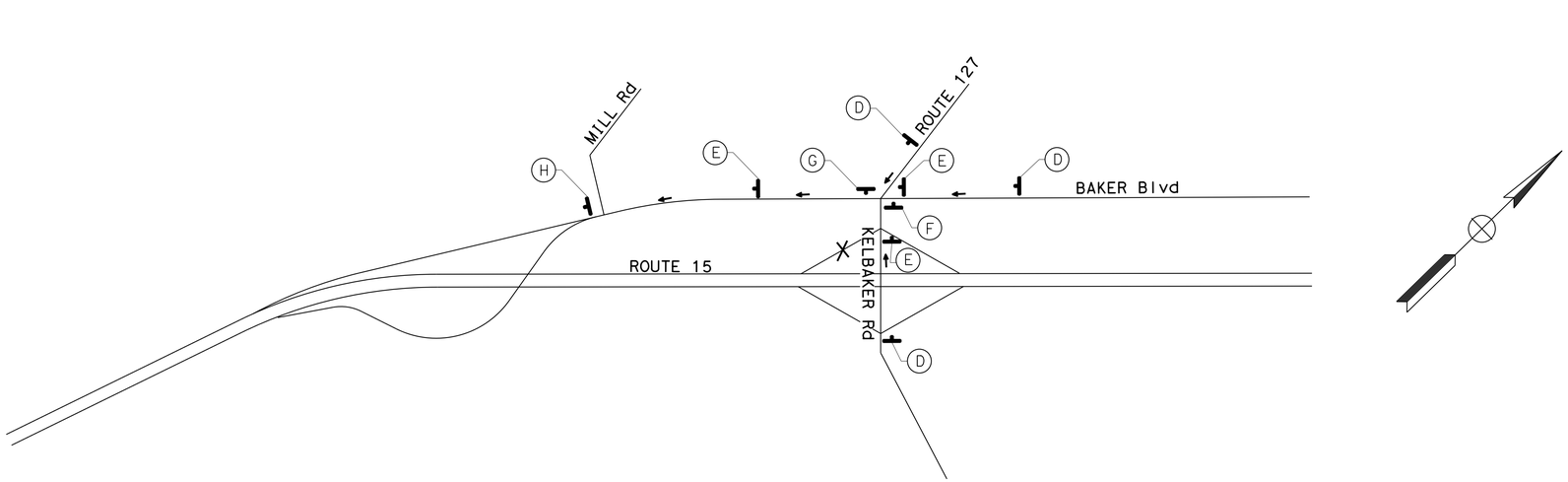
REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
CIVIL
STATE OF CALIFORNIA

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.

CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
* (D)	W20-2		48" x 48"	DETOUR AHEAD	1 - 6" x 6"	3
* (E)		SC3(CA)	48" x 18"	↑ DETOUR	1 - 4" x 6"	3
	M3-3		24" x 12"	SOUTH		
	M1-1		36" x 36"	INTERSTATE 15 SHIELD		
* (F)	M4-10(L†)		48" x 18"	← DETOUR	1 - 4" x 6"	1
	M3-3		24" x 12"	SOUTH		
	M1-1		36" x 36"	INTERSTATE 15 SHIELD		
* (G)	M4-10(R†)		48" x 18"	DETOUR →	1 - 4" x 4"	1
	M3-3		24" x 12"	SOUTH		
	M1-1		36" x 36"	INTERSTATE 15 SHIELD		
* (H)	M4-8a		24" x 18"	END DETOUR	1 - 4" x 4"	1
					TOTAL	9

* SIGNS MAY BE PORTABLE.



DETOUR FOR CLOSURE OF ROUTE 127/KELBAKER Rd
SB ENTRANCE RAMP TO ROUTE 15

DETOUR PLAN
NO SCALE **DE-3**

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 03-17-14 | DATE PLOTTED => 13-MAR-2014 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 08120003151mg003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	15	86

REGISTERED CIVIL ENGINEER — DATE 3-17-14

PLANS APPROVAL DATE 3-17-14

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON No. C66092 Exp. 06/30/14 CIVIL — STATE OF CALIFORNIA

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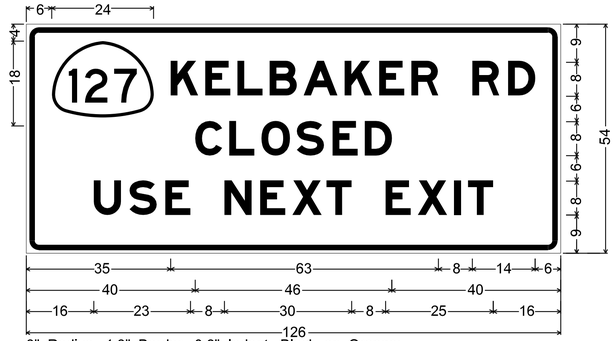
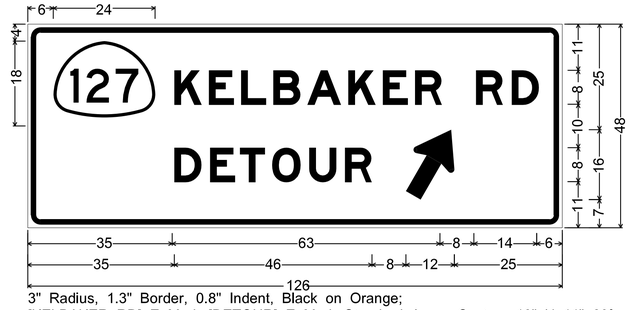
C-SPEC1 SIGN DETAIL



3" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[KELBAKER RD] E Mod; [CLOSED] E Mod; [USE NEXT EXIT] E Mod;

C-SPEC2 SIGN DETAIL

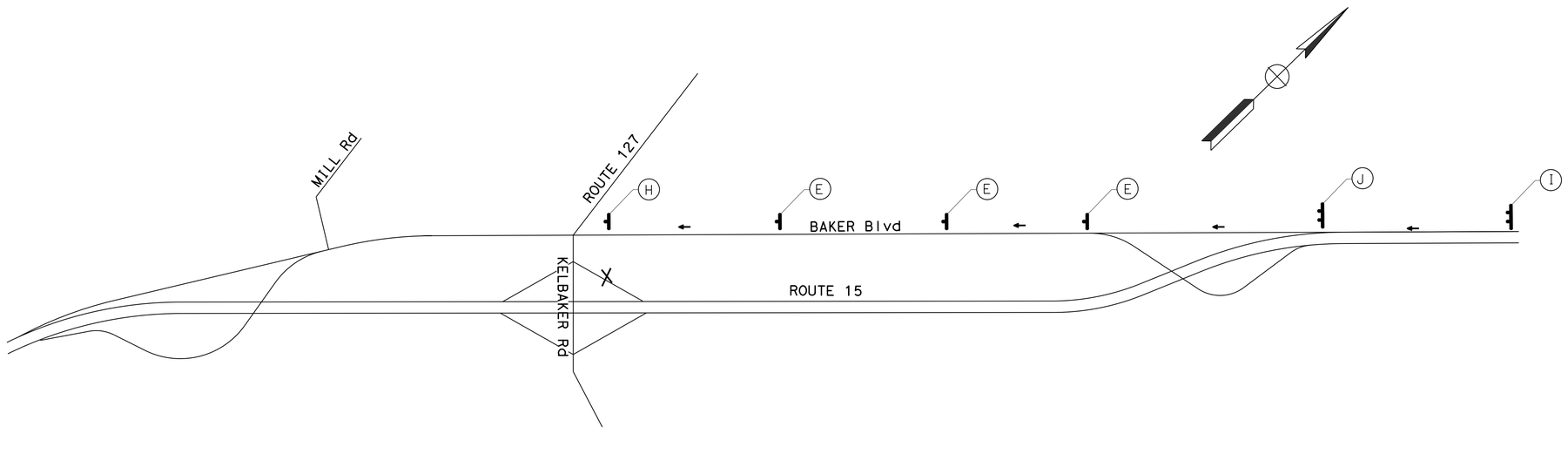


3" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[KELBAKER RD] E Mod; [DETOUR] E Mod; Standard Arrow Custom 18" X 11" 60°;

CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
* (E)		SC3(CA)	48" x 18"	↑ DETOUR	1 - 4" x 6"	3
* (H)	M4-8a		24" x 18"	END DETOUR	1 - 4" x 4"	1
(I)		C-SPEC1	114" x 48"	KELBAKER RD CLOSED USE NEXT EXIT	2 - 6" x 6"	1
(J)		C-SPEC2	102" x 54"	KELBAKER RD DETOUR ↗	2 - 6" x 6"	1
					TOTAL	6

* SIGNS MAY BE PORTABLE.



DETOUR FOR CLOSURE OF ROUTE 127/KELBAKER Rd SB EXIT RAMP FROM ROUTE 15

DETOUR PLAN
NO SCALE **DE-4**

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN — Caltrans

LAST REVISION: DATE PLOTTED => 13-MAR-2014 TIME PLOTTED => 10:43
03-17-14

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 0812000315mg004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	16	86

REGISTERED CIVIL ENGINEER — 3-17-14 DATE

PLANS APPROVAL DATE — 3-17-14

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON No. C66092 Exp. 06/30/14 CIVIL — STATE OF CALIFORNIA

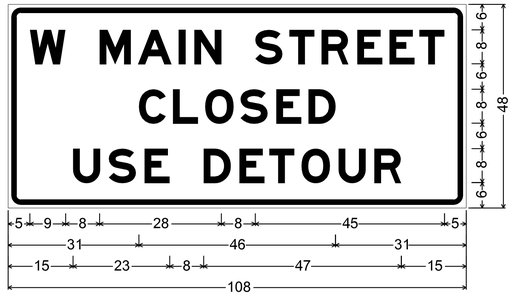
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
* (H)	M4-8a		24" x 18"	END DETOUR	1 - 4" x 4"	1
* (K)		C-SPEC3	108" x 48"	W MAIN STREET CLOSED USE DETOUR	2 - 6" x 6"	1
(L)		C-SPEC4	108" x 48"	W MAIN STREET DETOUR ↑	2 - 6" x 6"	1
(M)		C-SPEC5	108" x 48"	W MAIN STREET DETOUR ↗	2 - 6" x 6"	1
(N)	M4-10(Lt)		48" x 18"	← DETOUR	1 - 4" x 6"	1
					TOTAL	5

* SIGNS MAY BE PORTABLE.

C-SPEC3 SIGN DETAIL

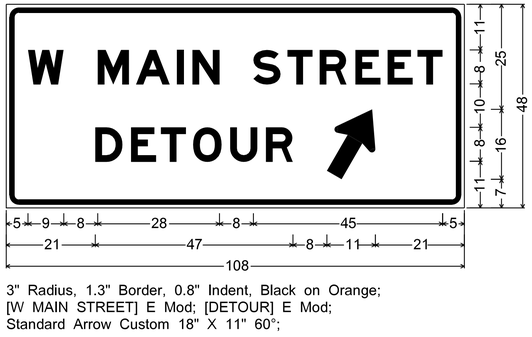


3" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[W MAIN STREET] E Mod; [CLOSED] E Mod; [USE DETOUR] E Mod;

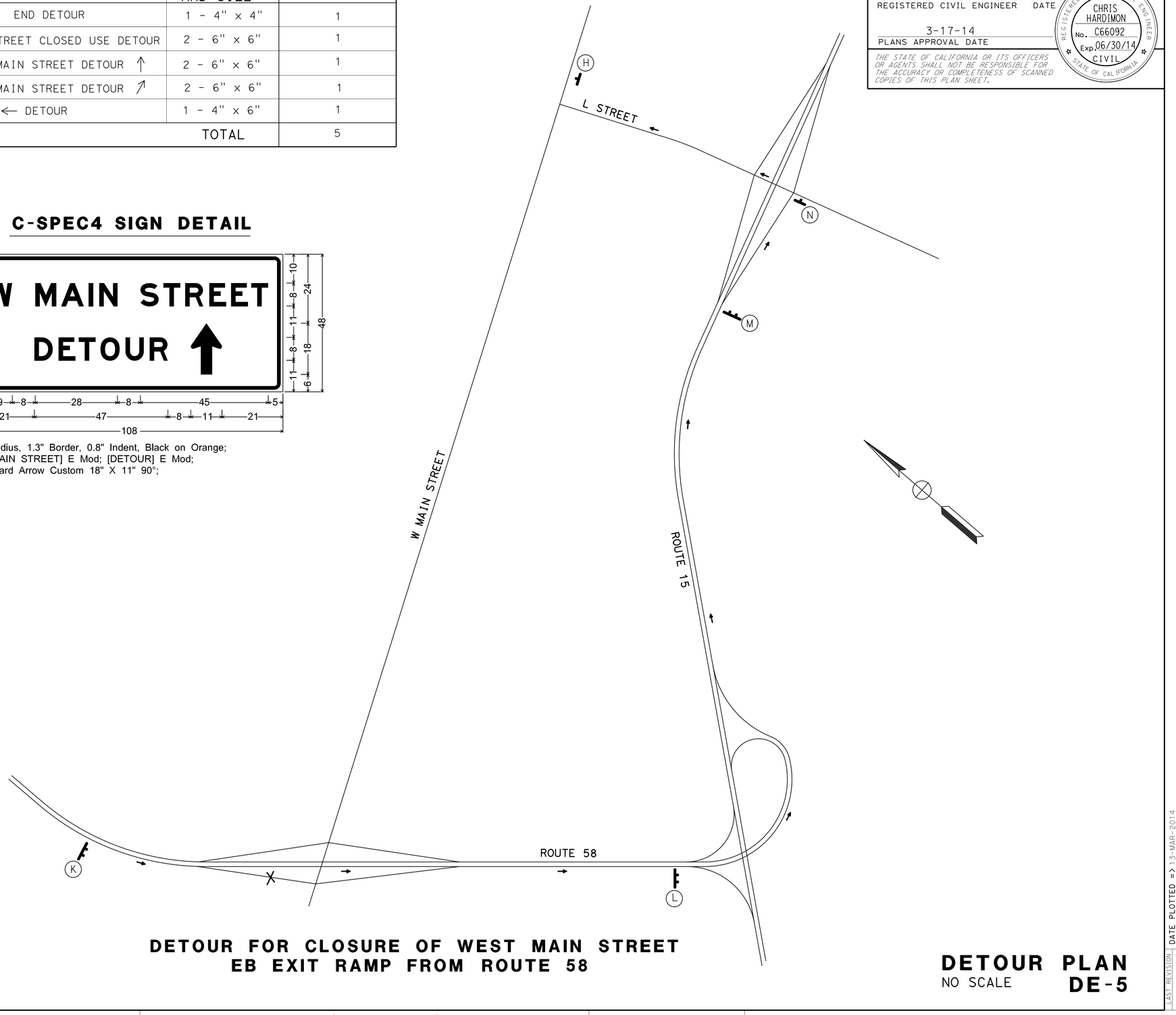
C-SPEC4 SIGN DETAIL

3" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[W MAIN STREET] E Mod; [DETOUR] E Mod;
Standard Arrow Custom 18" X 11" 90°;

C-SPEC5 SIGN DETAIL



3" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[W MAIN STREET] E Mod; [DETOUR] E Mod;
Standard Arrow Custom 18" X 11" 60°;



DETOUR FOR CLOSURE OF WEST MAIN STREET EB EXIT RAMP FROM ROUTE 58

DETOUR PLAN
NO SCALE
DE-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN
FUNCTIONAL SUPERVISOR: BEN AMIRI
CALCULATED-DESIGNED BY: CHRIS HARDIMON
CHECKED BY: BEN AMIRI
REVISED BY
DATE REVISED

LAST REVISION 03-17-14
DATE PLOTTED => 13-MAR-2014
TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010
USERNAME => s110420
DGN FILE => 0812000315mg005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2242
PROJECT NUMBER & PHASE 08120003151

CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
* (D)	W20-2		48" x 48"	DETOUR AHEAD	1 - 6" x 6"	1
* (E)		SC3(CA)	48" x 18"	↑ DETOUR	1 - 4" x 6"	3
	M3-2		24" x 12"	SOUTH		
	M1-1		36" x 36"	INTERSTATE 15 SHIELD		
* (F)	M4-10(Lt)		48" x 18"	← DETOUR	1 - 4" x 6"	2
	M3-2		24" x 12"	SOUTH		
	M1-1		36" x 36"	INTERSTATE 15 SHIELD		
* (H)	M4-8a		24" x 18"	END DETOUR	1 - 4" x 4"	1
					TOTAL	7

* SIGNS MAY BE PORTABLE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	17	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
CIVIL
STATE OF CALIFORNIA

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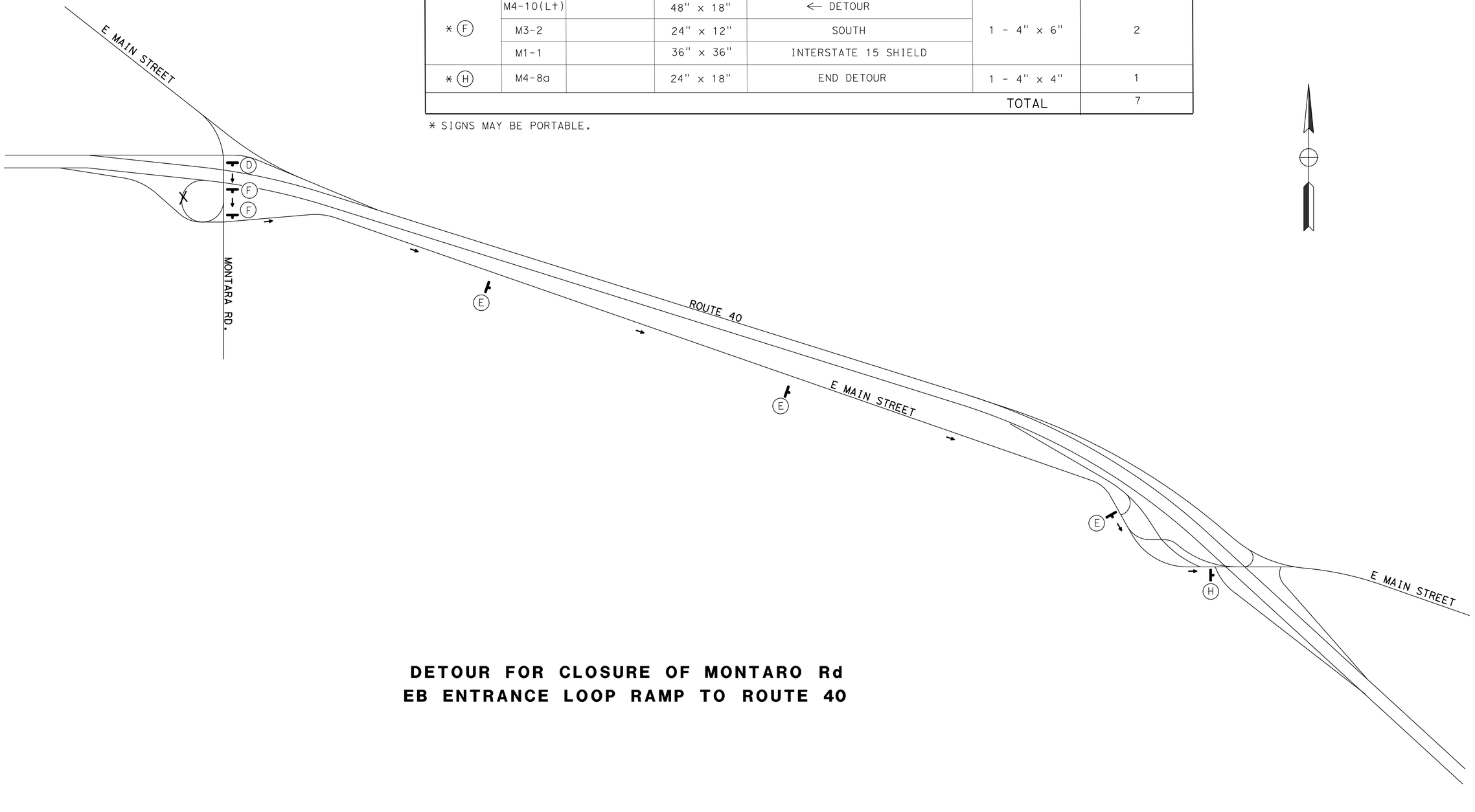


DETOUR FOR CLOSURE OF MONTARO Rd
EB ENTRANCE LOOP RAMP TO ROUTE 40

DETOUR PLAN
NO SCALE **DE-6**

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION 03-17-14 | DATE PLOTTED => 13-MAR-2014 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 08120003151mg006.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

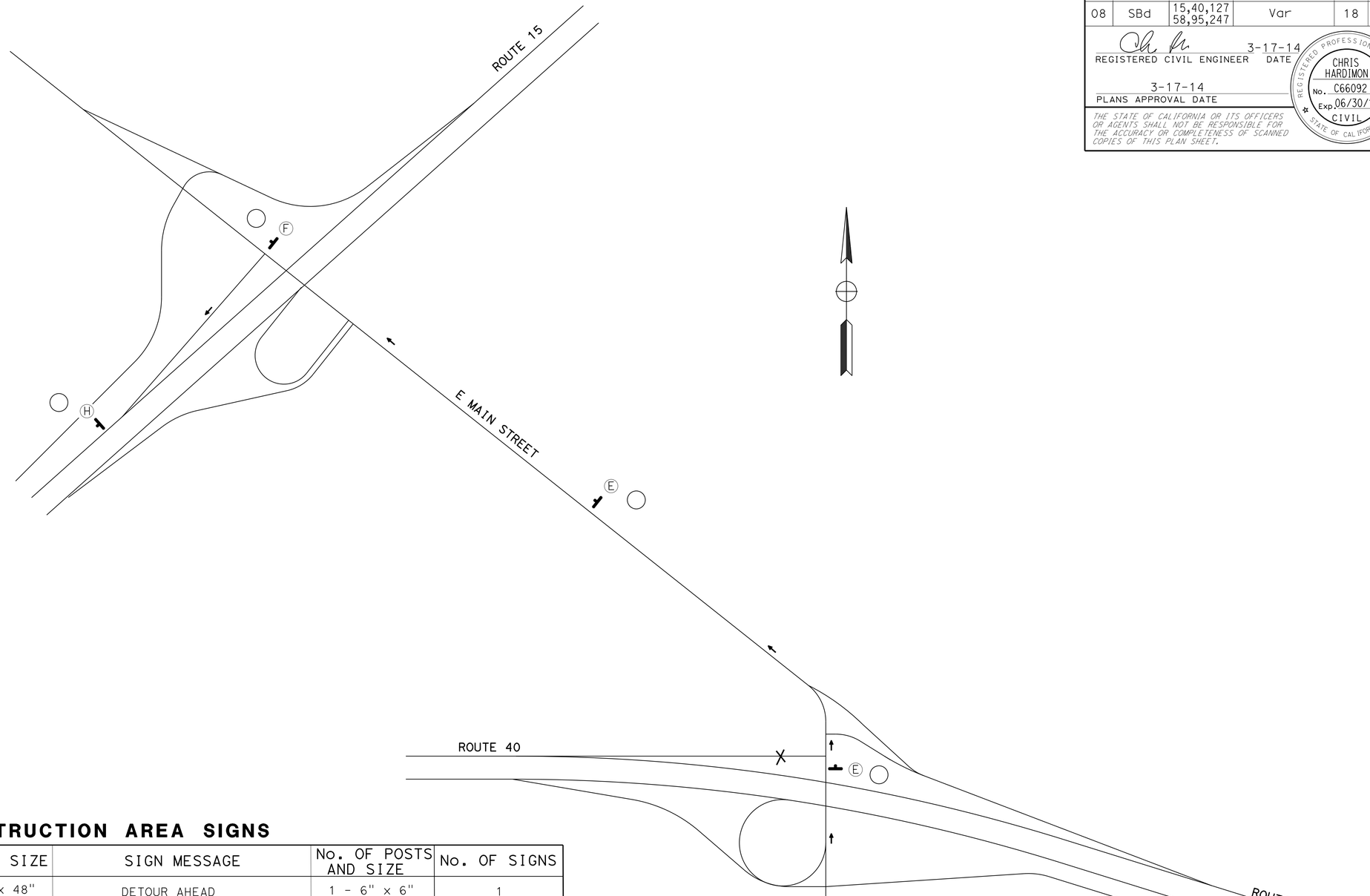
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	18	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
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.



CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
* (D)	W20-2		48" x 48"	DETOUR AHEAD	1 - 6" x 6"	1
* (E)		SC3(CA)	48" x 18"	↑ DETOUR	1 - 4" x 6"	2
	M3-2		24" x 12"	SOUTH		
	M1-1		36" x 36"	INTERSTATE 15 SHIELD		
* (F)	M4-10(Lt)		48" x 18"	← DETOUR	1 - 4" x 6"	1
	M3-2		24" x 12"	SOUTH		
	M1-1		36" x 36"	INTERSTATE 15 SHIELD		
* (H)	M4-8a		24" x 18"	END DETOUR	1 - 4" x 4"	1
					TOTAL	5

* SIGNS MAY BE PORTABLE.

DETOUR FOR CLOSURE OF MONTARA Rd
WB ENTRANCE RAMP TO ROUTE 15

DETOUR PLAN
NO SCALE **DE-7**

CHRIS HARDIMON — DESIGN
BEN AMIRI — FUNCTIONAL SUPERVISOR
BEN AMIRI — CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 03-17-14
DATE PLOTTED => 13-MAR-2014
TIME PLOTTED => 10:43

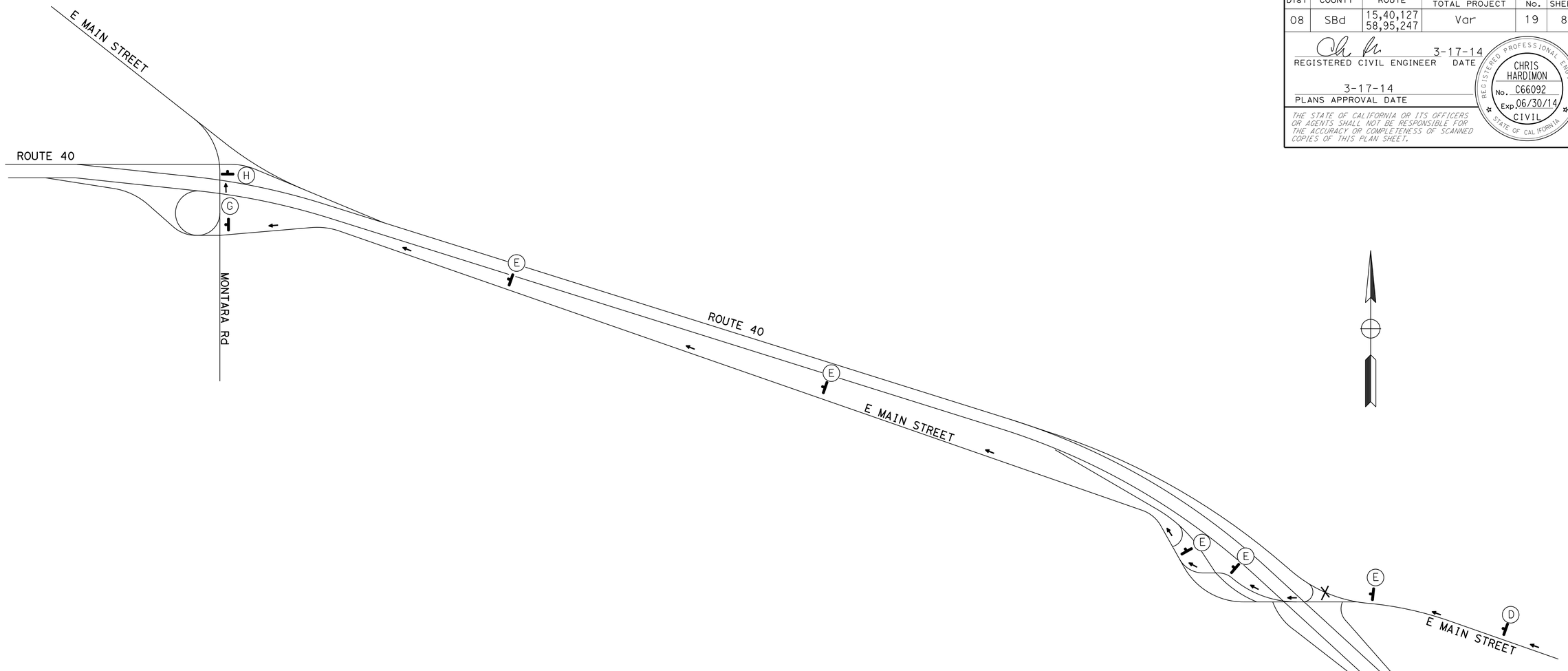
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	19	86

REGISTERED CIVIL ENGINEER — 3-17-14 DATE

3-17-14
PLANS APPROVAL DATE

CHRIS HARDIMON No. C66092 Exp. 06/30/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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



CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
* (D)	W20-2		48" x 48"	DETOUR AHEAD	1 - 6" x 6"	1
* (E)		SC3(CA)	48" x 18"	↑ DETOUR	1 - 4" x 6"	5
	M3-2		24" x 12"	SOUTH		
	M1-1		36" x 36"	INTERSTATE 15 SHIELD		
* (F)	M4-10(Lt)		48" x 18"	← DETOUR	1 - 4" x 6"	1
	M3-2		24" x 12"	SOUTH		
	M1-1		36" x 36"	INTERSTATE 15 SHIELD		
* (H)	M4-8a		24" x 18"	END DETOUR	1 - 4" x 4"	1
					TOTAL	8

* SIGNS MAY BE PORTABLE.

DETOUR FOR CLOSURE OF EAST MAIN STREET WB ENTRANCE RAMP TO ROUTE 40

DETOUR PLAN
NO SCALE **DE-8**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN

FUNCTIONAL SUPERVISOR: BEN AMIRI

CALCULATED-DESIGNED BY: CHRIS HARDIMON

CHECKED BY: BEN AMIRI

REVISED BY | DATE REVISED

LAST REVISION 03-17-14 | DATE PLOTTED => 13-MAR-2014 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 0812000315mg008.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

NOTES:

1. POST MILES FOR REFERENCE ONLY (NOT EXACT). THE CONTRACTOR SHALL MARK EXISTING PAVEMENT DELINEATION BEFORE REMOVAL.
2. THE CONTRACTOR SHALL REPLACE EXISTING PAVEMENT DELINEATION BACK TO ITS ORIGINAL STATE.
3. FOR TYPE 13M TRAFFIC STRIPES, PAVEMENT MARKERS SHALL BE PLACED BEFORE THE APPLICATION OF THE THERMOPLASTIC TRAFFIC STRIPES.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	20	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
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.

(* HAZARDOUS WASTE)

PAVEMENT DELINEATION QUANTITIES

LOCATION ROUTE/BRIDGE NAME/BRIDGE NUMBER	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKERS	REMOVE THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER									PAINT TRAFFIC STRIPE (2-COAT)				THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				THERMOPLASTIC PAVEMENT MARKING
					YELLOW (*HW)	WHITE		NON-REFLECTIVE TYPE	RETROREFLECTIVE TYPE						RECESSED TYPE											
			YELLOW	WHITE	4 INCH	4 INCH	8 INCH	A	AY	C	D	E	G	H	D	H	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	
		EA	SQ FT	SQ FT	ft	ft		EA	EA						EA		ft				ft				SQ FT
SBd40/WB ASH HILL WASH/54-0758L	13M	35	-	-	-	74	-	28	-	-	-	-	7	-	-	-	-	-	-	-	-	296	-	-	-
	27B	-	-	-	-	296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	296	-	-	-
	25	7	-	-	296	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	296	-	-	-	-
SBd40/WB ASH HILL WASH/54-0758R	13M	35	-	-	-	74	-	28	-	-	-	-	7	-	-	-	-	-	-	-	-	296	-	-	-
	27B	-	-	-	-	296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	296	-	-	-
	25	7	-	-	296	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	296	-	-	-	-
SBd40/EB MARBLE WASH/54-I274L	13M	20	-	-	-	40	-	16	-	-	-	-	4	-	-	-	-	-	-	-	-	160	-	-	-
	27B	-	-	-	-	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160	-	-	-
	25	4	-	-	160	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	160	-	-	-	-
SBd40/WB MARBLE WASH/54-I274R	13M	20	-	-	-	46	-	16	-	-	-	-	4	-	-	-	-	-	-	-	-	185	-	-	-
	27B	-	-	-	-	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	185	-	-	-	-
	25	4	-	-	185	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	185	-	-	-	-
SBd40/EB NEPRUD WASH/54-I276L	13M	30	-	-	-	61	-	24	-	-	-	-	6	-	-	-	-	-	-	-	-	243	-	-	-
	27B	-	-	-	-	243	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	243	-	-	-	-
	25	6	-	-	243	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	243	-	-	-	-
SBd40/WB NEPRUD WASH/54-I276R	13M	30	-	-	-	61	-	24	-	-	-	-	6	-	-	-	-	-	-	-	-	243	-	-	-
	27B	-	-	-	-	243	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	243	-	-	-	-
	25	6	-	-	243	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	243	-	-	-	-
SBd40/EB MACDONALD WASH/54-I277L	13M	20	-	-	-	44	-	16	-	-	-	-	4	-	-	-	-	-	-	-	-	177	-	-	-
	27B	-	-	-	-	177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	177	-	-	-	-
	25	4	-	-	177	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	177	-	-	-	-
SBd40/WB MACDONALD WASH/54-I277R	13M	20	-	-	-	44	-	16	-	-	-	-	4	-	-	-	-	-	-	-	-	177	-	-	-
	27B	-	-	-	-	177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	177	-	-	-	-
	25	4	-	-	177	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	177	-	-	-	-
SBd40/WB CHUCKWALLA WASH/54-I278R	13M	20	-	-	-	47	-	16	-	-	-	-	4	-	-	-	-	-	-	-	-	187	-	-	-
	27B	-	-	-	-	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	187	-	-	-	-
	25	4	-	-	187	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	187	-	-	-	-
SBd40/EB CHUCKWALLA WASH/54-I278L	13M	20	-	-	-	47	-	16	-	-	-	-	4	-	-	-	-	-	-	-	-	187	-	-	-
	27B	-	-	-	-	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	187	-	-	-	-
	25	4	-	-	187	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	187	-	-	-	-
SBd40/WB MUSTANG WASH/54-I279R	13M	20	-	-	-	44	-	16	-	-	-	-	4	-	-	-	-	-	-	-	-	174	-	-	-
	27B	-	-	-	-	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	174	-	-	-	-
	25	4	-	-	174	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	174	-	-	-	-
SBd40/EB MUSTANG WASH/54-I279L	13M	20	-	-	-	40	-	16	-	-	-	-	4	-	-	-	-	-	-	-	-	160	-	-	-
	27B	-	-	-	-	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	160	-	-	-	-
	25	4	-	-	160	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	160	-	-	-	-
SBd40/MOUNTAIN SPRINGS ROAD OC/54-0855	21	-	-	-	460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	460	-	-	-	-
SBd40/WB SOUTH FORK PIUTE WASH/54-0872R	13M	15	-	-	-	30	-	12	-	-	-	-	3	-	-	-	-	-	-	-	-	120	-	-	-
	27B	-	-	-	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-
	25	3	-	-	120	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	120	-	-	-	-
SBd40/EB SOUTH FORK PIUTE WASH/54-0872L	13M	15	-	-	-	30	-	12	-	-	-	-	3	-	-	-	-	-	-	-	-	120	-	-	-
	27B	-	-	-	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-
	25	3	-	-	120	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	120	-	-	-	-
SUBTOTAL		-	-	-	-	-	-	-	-	-	-	-	64	64	-	-	-	-	-	-	3,185	5,450	-	-	-
SHEET TOTAL		384	-	-	3,185	3,407		256	128						-		-				8,635				-

PAVEMENT DELINEATION QUANTITIES

NO SCALE **PDQ-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: BEN AMIRI
CALCULATED-DESIGNED BY: CHRIS HARDIMON
CHECKED BY: BEN AMIRI
REVISED BY
DATE REVISED

LAST REVISION 03-17-14
DATE PLOTTED => 13-MAR-2014
TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010
USERNAME => s110420
DGN FILE => 0812000315nc001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2242
PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	21	86

REGISTERED CIVIL ENGINEER — 3-17-14 DATE

CHRIS HARDIMON No. C66092 Exp. 06/30/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-17-14
PLANS APPROVAL DATE

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(* HAZARDOUS WASTE)

PAVEMENT DELINEATION QUANTITIES

LOCATION BRIDGE NAME/BRIDGE NUMBER	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKERS	REMOVE THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER									PAINT TRAFFIC STRIPE (2-COAT)				THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				THERMOPLASTIC PAVEMENT MARKING
					YELLOW (*HW)	WHITE		NON-REFLECTIVE TYPE	RETROREFLECTIVE TYPE						RECESSED TYPE											
			YELLOW	WHITE	4 INCH	4 INCH	8 INCH	A	AY	C	D	E	G	H	D	H	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	
		EA	SQ FT	SQ FT	ft	ft		EA	EA						EA		ft				ft				SQ FT
SBdI5/EB HACK WASH/54-0283L	12	3	-	-	-	25	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	99	-	-	-
	27B	-	-	-	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99	-	-	-
	25	3	-	-	99	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	99	-	-	-	-
SBdI5/WB HACK WASH/54-I268R	12	2	-	-	-	22	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	86	-	-	-
	27B	-	-	-	-	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86	-	-	-
	25	2	-	-	86	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	86	-	-	-	-
	38B	8	-	-	-	-	I72	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	86	-
SBdI5/EB DALE DITCH/54-0288R	12	2	-	-	-	I9	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	75	-	-	-
	27B	-	-	-	-	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-	-	-
	25	2	-	-	75	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	75	-	-	-	-
	38B	8	-	-	-	-	I50	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	75	-
SBd58/LENWOOD OVERHEAD/54-III2S	27B	-	-	-	-	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	350	-	-	-
	25A	I5	-	-	350	-	-	-	-	-	-	-	-	I5	-	-	-	-	-	-	350	-	-	-	-
SBd95/ROUTE 95/40 SEPARATION/54-0870	22	20	-	-	460	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-	460	-	-	-	-
	27B	-	-	-	-	460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	460	-	-	-
SBd I27/RTE I27/I5 SEPARATION/54-06I0	2I	-	-	-	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	600	-	-	-	-
	27B	-	-	-	-	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	600	-	-	-
LAVIC ROAD OC/54-0734	2I	-	-	-	660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	660	-	-	-	-
	27B	-	-	-	-	660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	660	-	-	-
SBd247/ROUTE 247/I5 SEPARATION/54-II73	12	-	-	-	-	I59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	634	-	-	-
	27B	-	-	-	-	634	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	634	-	-	-
	22	-	-	-	358	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	358	-	-	-	-
	29	-	-	-	552	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	552	-	-	-	-
	38A	-	-	-	-	-	344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	172	-
	ARROW TYPE III(L)	-	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
SUBTOTAL		-	-	-	-	3,189	666	-	-	-	-	-	43	22	-	-	-	-	-	-	3,240	3,858	-	333	-
SHEET TOTAL		65	-	84	3,240	3,855		-	65						-		-				7,43I				84

PAVEMENT DELINEATION QUANTITIES

NO SCALE **PDQ-2**

CHRIS HARDIMON — CALCULATED-DESIGNED BY
BEN AMIRI — CHECKED BY
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN

LAST REVISION: DATE PLOTTED => 13-MAR-2014 TIME PLOTTED => 10:43
03-17-14

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 DGN FILE => 0812000315nc002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	22	86

REGISTERED CIVIL ENGINEER — DATE 3-17-14

PLANS APPROVAL DATE 3-17-14

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON No. C66092 Exp. 06/30/14 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.

(* HAZARDOUS WASTE)

PAVEMENT DELINEATION QUANTITIES

LOCATION ROUTE/BRIDGE NAME/BRIDGE NUMBER	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKERS	REMOVE THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER									PAINT TRAFFIC STRIPE (2-COAT)				THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				THERMOPLASTIC PAVEMENT MARKING
					YELLOW (*HW)	WHITE		NON-REFLECTIVE TYPE	RETROREFLECTIVE TYPE						RECESSED TYPE										
			YELLOW	WHITE	4 INCH	4 INCH	8 INCH	A	AY	C	D	E	G	H	D	H	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	
		EA	SQ FT	SQ FT	ft	ft		EA	EA						EA		ft				ft				SQ FT
Rte 58 PM 12.9/22.4 EB/WB (MAINLINE)	25	2,090	-	-	-	-	-	-	-	-	-	-	-	2,090	-	-	-	-	-	-	100,320	-	-	-	-
Rte 58 PM 12.9/22.4 EB/WB (MAINLINE)	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100,320	-	-	-
Rte 58 PM 31.2/34.7 EB/WB (MAINLINE)	25	770	-	-	-	-	-	-	-	-	-	-	-	770	-	-	-	-	-	-	36,960	-	-	-	-
Rte 58 PM 31.2/34.7 EB/WB (MAINLINE)	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36,960	-	-	-
Rte 15 PM 70.1/124.2 NB/SB (MAINLINE)	25	11,894	-	-	-	-	-	-	-	-	-	-	-	11,894	-	-	-	-	-	-	570,874	-	-	-	-
Rte 15 PM 70.1/124.2 NB/SB (MAINLINE)	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	570,874	-	-	-
Rte 127 PM L0.0/L0.17 EB/WB (MAINLINE)	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,820	-	-	-	-
Rte 127 PM L0.0/L0.17 EB/WB (MAINLINE)	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,820	-	-	-
Rte 127 PM L0.0/L0.17 EB/WB (MAINLINE)	I-STOP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
Rte 127 PM L0.0/L0.17 EB/WB (MAINLINE)	I-AHEAD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
AIRCRAFT MARKING NUMBER/BAR POSTMILE Rte 15 PM 75.0 NB/SB	"75"	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
AIRCRAFT MARKING NUMBER/BAR POSTMILE Rte 15 PM 80.0 NB/SB	"80"	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
AIRCRAFT MARKING NUMBER/BAR POSTMILE Rte 15 PM 85.0 NB/SB	"85"	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
AIRCRAFT MARKING NUMBER/BAR POSTMILE Rte 15 PM 90.0 NB/SB	"90"	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
AIRCRAFT MARKING NUMBER/BAR POSTMILE Rte 15 PM 95.0 NB/SB	"95"	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
AIRCRAFT MARKING NUMBER/BAR POSTMILE Rte 15 PM 100.0 NB/SB	"100"	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
AIRCRAFT MARKING NUMBER/BAR POSTMILE Rte 15 PM 105.0 NB/SB	"105"	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
AIRCRAFT MARKING NUMBER/BAR POSTMILE Rte 15 PM 110.0 NB/SB	"110"	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
AIRCRAFT MARKING NUMBER/BAR POSTMILE Rte 15 PM 115.0 NB/SB	"115"	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
AIRCRAFT MARKING NUMBER/BAR POSTMILE Rte 15 PM 120.0 NB/SB	"120"	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
AIRCRAFT MARKING BAR POSTMILE Rte 15 PM 97.0 NB/SB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 15 PM 98.0 NB/SB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 15 PM 99.0 NB/SB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 15 PM 100.0 NB/SB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 15 PM 101.0 NB/SB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 15 PM 102.0 NB/SB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 15 PM 103.0 NB/SB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 15 PM 104.0 NB/SB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 15 PM 105.0 NB/SB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 15 PM 106.0 NB/SB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 15 PM 107.0 NB/SB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING POSTMILE Rte 15 PM 96.5 NB/SB	"+"	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
AIRCRAFT MARKING POSTMILE Rte 15 PM 97.5 NB/SB	"+"	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
AIRCRAFT MARKING POSTMILE Rte 15 PM 98.5 NB/SB	"+"	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
AIRCRAFT MARKING POSTMILE Rte 15 PM 99.5 NB/SB	"+"	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
AIRCRAFT MARKING POSTMILE Rte 15 PM 100.5 NB/SB	"+"	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
AIRCRAFT MARKING POSTMILE Rte 15 PM 101.5 NB/SB	"+"	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
AIRCRAFT MARKING POSTMILE Rte 15 PM 102.5 NB/SB	"+"	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
AIRCRAFT MARKING POSTMILE Rte 15 PM 103.5 NB/SB	"+"	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
AIRCRAFT MARKING POSTMILE Rte 15 PM 104.5 NB/SB	"+"	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
AIRCRAFT MARKING POSTMILE Rte 15 PM 105.5 NB/SB	"+"	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
AIRCRAFT MARKING POSTMILE Rte 15 PM 106.5 NB/SB	"+"	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
AIRCRAFT MARKING POSTMILE Rte 15 PM 107.5 SB	"+"	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		-	-	-	-	-	-	-	-	-	-	-	-	14,754	-	-	-	-	-	-	710,974	710,974	-	-	-
SHEET TOTAL		14,754	-	639	-	-		-	14,754						-		-				1,421,948				692

PAVEMENT DELINEATION QUANTITIES

NO SCALE **PDQ-3**

REVISED BY | DATE REVISED

CHRIS HARDIMON | BEN AMIRI

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: BEN AMIRI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN — Caltrans

LAST REVISION | DATE PLOTTED => 13-MAR-2014
03-17-14 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010

USERNAME => s110420
DGN FILE => 08120003315nc003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2242

PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	23	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
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.

(* HAZARDOUS WASTE)

PAVEMENT DELINEATION QUANTITIES

LOCATION ROUTE/BRIDGE NAME/BRIDGE NUMBER	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKERS	REMOVE THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER									PAINT TRAFFIC STRIPE (2-COAT)				THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				THERMOPLASTIC PAVEMENT MARKING
					YELLOW (*HW)	WHITE		NON-REFLECTIVE TYPE	RETROREFLECTIVE TYPE						RECESSED TYPE											
			YELLOW	WHITE	4 INCH	4 INCH	8 INCH	A	AY	C	D	E	G	H	D	H	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	
		EA	SQ FT	SQ FT	ft	ft		EA	EA						EA		ft				ft				SQ FT
AIRCRAFT MARKING NUMBER/BAR POSTMILE Rte 58 PM 15.0 EB/WB	"15"	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
AIRCRAFT MARKING NUMBER/BAR POSTMILE Rte 58 PM 20.0 EB/WB	"20"	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
AIRCRAFT MARKING BAR POSTMILE Rte 58 PM 13.0 EB/WB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 58 PM 14.0 EB/WB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 58 PM 16.0 EB/WB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 58 PM 17.0 EB/WB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 58 PM 18.0 EB/WB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 58 PM 19.0 EB/WB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 58 PM 20.0 EB/WB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
AIRCRAFT MARKING BAR POSTMILE Rte 58 PM 21.0 EB/WB		-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Rte 58 PM 14.1 EB/WB	2-TYPE III(L) ARROWS	-	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
Rte 58 PM 15.1 EB/WB	2-TYPE III(L) ARROWS	-	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
Rte 58 PM 16.1 EB/WB	2-TYPE III(L) ARROWS	-	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
Rte 58 PM 16.9 EB/WB	2-TYPE III(L) ARROWS	-	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
Rte 58 PM 18.3 EB/WB	2-TYPE III(L) ARROWS	-	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
Rte 58 PM 19.3 EB/WB	2-TYPE III(L) ARROWS	-	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
Rte 58 PM 20.1 EB/WB	2-TYPE III(L) ARROWS	-	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
Rte 58 PM 21.8 EB/WB	2-TYPE III(L) ARROWS	-	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
Rte 58 PM 18.4 EB	3-TYPE VII(R) ARROWS	-	-	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126
Rte 58 PM 14.1 EB/WB	DETAIL 38A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	208	-
Rte 58 PM 15.1 EB/WB	DETAIL 38A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	208	-
Rte 58 PM 16.1 EB/WB	DETAIL 38A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	208	-
Rte 58 PM 16.9 EB/WB	DETAIL 38A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	208	-
Rte 58 PM 18.3 EB/WB	DETAIL 38A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	208	-
Rte 58 PM 19.3 EB/WB	DETAIL 38A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	208	-
Rte 58 PM 20.1 EB/WB	DETAIL 38A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	208	-
Rte 58 PM 21.8 EB/WB	DETAIL 38A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	208	-
Rte 58 PM 18.4 EB	DETAIL 38A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	464	-
SUBTOTAL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,128	-
SHEET TOTAL		-	-	936	-	-		-	-						-		-				2,128				936

PAVEMENT DELINEATION QUANTITIES
NO SCALE **PDQ-4**

CALCULATED-DESIGNED BY	REVISED BY
CHECKED BY	DATE REVISED
CHRIS HARDIMON	
BEN AMIRI	
FUNCTIONAL SUPERVISOR: BEN AMIRI	
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	
Caltrans® DESIGN	

LAST REVISION | DATE PLOTTED => 13-MAR-2014
03-17-14 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 0812000315nc004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	24	86

REGISTERED CIVIL ENGINEER — DATE: 3-17-14

PLANS APPROVAL DATE: 3-17-14

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON — No. C66092 — Exp. 06/30/14 — 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.

(* HAZARDOUS WASTE)

PAVEMENT DELINEATION QUANTITIES

LOCATION ROUTE/BRIDGE NAME/BRIDGE NUMBER	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKERS	REMOVE THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER									PAINT TRAFFIC STRIPE (2-COAT)				THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				THERMOPLASTIC PAVEMENT MARKING
					YELLOW (*HW)	WHITE		NON-REFLECTIVE TYPE	RETROREFLECTIVE TYPE						RECESSED TYPE										
			YELLOW	WHITE	4 INCH	4 INCH	8 INCH	A	AY	C	D	E	G	H	D	H	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	
		EA	SQ FT	SQ FT	ft	ft		EA	EA						EA		ft				ft				SQ FT
I-15 SB E MAIN STREET EXIT RAMP	36	44	-	-	-	-	-	-	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-	1,020	-
	25A	35	-	-	-	-	-	-	-	-	-	-	-	35	-	-	-	-	-	-	820	-	-	-	-
	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,636	-	-	-
	9	16	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	700	-	-	-
	38	18	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	400	-
	27	5	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	450	-	-	-	-
	4-TYPE III (L) ARROW	-	-	168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	168
	3-TYPE V ARROW	-	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99
	1-TYPE VII (L) ARROW	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
	1-TYPE IV (L) ARROW	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
	2-(SIGNAL)	-	-	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64
	2-(AHEAD)	-	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62
	LIMIT LINE	-	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55
I-15 SB MINNEOLA ROAD EXIT RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,482	-	-	-
	36	70	-	-	-	-	-	-	-	-	-	-	70	-	-	-	-	-	-	-	-	-	-	1,656	-
	25A	38	-	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	900	-	-	-	-
	2-(STOP)	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
	1-(AHEAD)	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	LIMIT LINE	-	-	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46
	2-TYPE V ARROW	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
I-15 SB MINNEOLA ROAD ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,757	-	-	-
	25A	43	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-	-	-	-	1,011	-	-	-	-
	36A	13	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	307	-	308	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	-	-	-
	1-TYPE V ARROW	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
I-15 NB HARVARD ROAD EXIT RAMP	36	64	-	-	-	-	-	-	-	-	-	-	64	-	-	-	-	-	-	-	-	-	-	1,528	-
	25A	51	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-	1,222	-	-	-	-
	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,812	-	-	-
	LIMIT LINE	-	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48
	2-(STOP)	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
	1-(AHEAD)	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	2-TYPE V ARROW	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
I-15 NB HARVARD ROAD ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,839	-	-	-
	25A	58	-	-	-	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	1,384	-	-	-	-
	36A	12	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	321	-	280	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-	-	-
	1-TYPE V ARROW	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
I-15 SB HARVARD ROAD EXIT RAMP	36	62	-	-	-	-	-	-	-	-	-	-	62	-	-	-	-	-	-	-	-	-	-	1,442	-
	25A	51	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-	1,205	-	-	-	-
	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,706	-	-	-
	LIMIT LINE	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
	2-(STOP)	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
	1-(AHEAD)	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	2-TYPE V ARROW	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
SUBTOTAL		-	-	-	-	-	-	-	-	-	-	-	299	281	-	-	-	-	-	-	6,992	11,735	-	6,634	-
SHEET TOTAL		580	-	1,123	-	-		-	580						-		-				25,361				1,123

PAVEMENT DELINEATION QUANTITIES

NO SCALE **PDQ-5**

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: CHRIS HARDIMON
CHECKED BY: BEN AMIRI
FUNCTIONAL SUPERVISOR: BEN AMIRI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

LAST REVISION: DATE PLOTTED => 13-MAR-2014 | 03-17-14 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 08120003151nc005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	25	86

REGISTERED CIVIL ENGINEER — DATE 3-17-14

PLANS APPROVAL DATE 3-17-14

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON No. C66092 Exp. 06/30/14 CIVIL — STATE OF CALIFORNIA

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(* HAZARDOUS WASTE)

PAVEMENT DELINEATION QUANTITIES

LOCATION ROUTE/BRIDGE NAME/BRIDGE NUMBER	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKERS	REMOVE THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER									PAINT TRAFFIC STRIPE (2-COAT)				THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				THERMOPLASTIC PAVEMENT MARKING
					YELLOW (*HW)	WHITE		NON-REFLECTIVE TYPE	RETROREFLECTIVE TYPE						RECESSED TYPE											
			YELLOW	WHITE	4 INCH	4 INCH	8 INCH	A	AY	C	D	E	G	H	D	H	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	
		EA	SQ FT	SQ FT	ft	ft		EA	EA						EA		ft				ft				SQ FT
I-15 SB HARVARD ROAD ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,920	-	-	-
	25A	58	-	-	-	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	1,384	-	-	-	-
	36A	10	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	220	-	217	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	111	-	-	-
	I-TYPE I (24ft) ARROW	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
I-15 NB FIELD ROAD EXIT RAMP	36	52	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	1,242	-
	25A	42	-	-	-	-	-	-	-	-	-	-	-	42	-	-	-	-	-	-	992	-	-	-	-
	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,474	-	-	-
	LIMIT LINE	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60
	2-(STOP)	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
	I-(AHEAD)	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	2-TYPE V ARROW	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
I-15 NB FIELD ROAD ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,150	-	-	-
	25A	31	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-	-	731	-	-	-	-
	36A	11	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	248	-	264	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98	-	-	-
	I-TYPE I (24ft) ARROW	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
I-15 SB FIELD ROAD EXIT RAMP	36	46	-	-	-	-	-	-	-	-	-	-	46	-	-	-	-	-	-	-	-	-	-	1,068	-
	25A	42	-	-	-	-	-	-	-	-	-	-	-	42	-	-	-	-	-	-	992	-	-	-	-
	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,311	-	-	-
	LIMIT LINE	-	-	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85
	2-(STOP)	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
	I-(AHEAD)	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	2-TYPE V ARROW	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
I-15 SB FIELD ROAD ENTRANCE RAMP	25A	29	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	679	-	-	-	-
	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,096	-	-	-
	36A	13	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	264	-	295	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	97	-	-	-
	I-TYPE I (24ft) ARROW	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
I-15 NB MIDAY REST AREA EXIT RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	849	-	-	-
	36	46	-	-	-	-	-	-	-	-	-	-	46	-	-	-	-	-	-	-	-	-	-	1,066	-
	25A	15	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	338	-	-	-	-
	I-TYPE V ARROW	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
I-15 NB MIDWAY REST AREA ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	703	-	-	-
	25A	15	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	359	-	-	-	-
	36A	8	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	142	-	188	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	144	-	-	-
	I-TYPE V ARROW	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
I-15 SB MIDWAY REST AREA EXIT RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	865	-	-	-
	36	50	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-	-	-	-	-	1,178	-
	25A	18	-	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	430	-	-	-	-
	I-TYPE V ARROW	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
SUBTOTAL		-	-	-	-	-	-	-	-	-	-	-	236	250	-	-	-	-	-	-	5,905	10,692	-	5,518	-
SHEET TOTAL		486	-	619	-	-		-	486						-		-				22,115				619

PAVEMENT DELINEATION QUANTITIES

NO SCALE **PDQ-6**

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: CHRIS HARDIMON

CHECKED BY: BEN AMIRI

FUNCTIONAL SUPERVISOR: BEN AMIRI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® DESIGN

LAST REVISION: DATE PLOTTED => 13-MAR-2014 03-17-14 TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010

USERNAME => s110420
DGN FILE => 0812000315nc006.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2242

PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	26	86

REGISTERED CIVIL ENGINEER — 3-17-14 DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON No. C66092 Exp. 06/30/14 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.

(* HAZARDOUS WASTE)

PAVEMENT DELINEATION QUANTITIES

LOCATION ROUTE/BRIDGE NAME/BRIDGE NUMBER	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKERS	REMOVE THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER									PAINT TRAFFIC STRIPE (2-COAT)				THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				THERMOPLASTIC PAVEMENT MARKING
					YELLOW (*HW)	WHITE		NON-REFLECTIVE TYPE	RETROREFLECTIVE TYPE						RECESSED TYPE											
			YELLOW	WHITE	4 INCH	4 INCH	8 INCH	A	AY	C	D	E	G	H	D	H	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	
		EA	SQ FT	SQ FT	ft	ft		EA	EA						EA		ft				ft				SQ FT
I-15 SB MIDAY REST AREA ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,323	-	-	-
	25A	13	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	290	-	-	-	-
	36A	13	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	291	-	310	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	109	-	-	-
	I-TYPE V ARROW	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
I-15 NB AFTON ROAD EXIT RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,417	-	-	-
	36	60	-	-	-	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-	-	-	-	1,438	-
	25A	38	-	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	890	-	-	-	-
	LIMIT LINE	-	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62
	2-(STOP)	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
	I-(AHEAD)	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	2-TYPE V ARROW	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
I-15 SB AFTON ROAD EXIT RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,470	-	-	-
	36	64	-	-	-	-	-	-	-	-	-	-	64	-	-	-	-	-	-	-	-	-	-	1,536	-
	25A	39	-	-	-	-	-	-	-	-	-	-	-	39	-	-	-	-	-	-	916	-	-	-	-
	LIMIT LINE	-	-	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70
	2-(STOP)	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
	I-(AHEAD)	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	2-TYPE V ARROW	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
I-15 NB AFTON ROAD ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,455	-	-	-
	25A	39	-	-	-	-	-	-	-	-	-	-	-	39	-	-	-	-	-	-	923	-	-	-	-
	36A	9	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	204	-	207	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	111	-	-	-
	I-TYPE I (24ft) ARROW	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
I-15 SB AFTON ROAD ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,501	-	-	-
	25A	39	-	-	-	-	-	-	-	-	-	-	-	39	-	-	-	-	-	-	921	-	-	-	-
	36A	11	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	233	-	259	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	108	-	-	-
	I-TYPE I (24ft) ARROW	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
I-15 NB BASIN ROAD EXIT RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,511	-	-	-
	36	70	-	-	-	-	-	-	-	-	-	-	70	-	-	-	-	-	-	-	-	-	-	1,646	-
	25A	36	-	-	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	842	-	-	-	-
	LIMIT LINE	-	-	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53
	2-(STOP)	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
	I-(AHEAD)	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	2-TYPE V ARROW	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
I-15 NB BASIN ROAD ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,219	-	-	-
	25A	37	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	884	-	-	-	-
	36A	8	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	175	-	178	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101	-	-	-
	I-TYPE I (24ft) ARROW	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
SUBTOTAL		-	-	-	-	-	-	-	-	-	-	-	235	241	-	-	-	-	-	-	5666	11,228	-	5,574	-
SHEET TOTAL		476	-	734	-	-		-	476						-		-				22,468				734

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 13-MAR-2014
03-17-14 | TIME PLOTTED => 10:43

PAVEMENT DELINEATION QUANTITIES

NO SCALE **PDQ-7**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	27	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
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.

(* HAZARDOUS WASTE)

PAVEMENT DELINEATION QUANTITIES

LOCATION ROUTE/BRIDGE NAME/BRIDGE NUMBER	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKERS	REMOVE THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER									PAINT TRAFFIC STRIPE (2-COAT)				THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				THERMOPLASTIC PAVEMENT MARKING
					YELLOW (*HW)	WHITE		NON-REFLECTIVE TYPE	RETROREFLECTIVE TYPE						RECESSED TYPE											
			YELLOW	WHITE	4 INCH	4 INCH	8 INCH	A	AY	C	D	E	G	H	D	H	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	
		EA	SQ FT	SQ FT	ft	ft		EA	EA						EA		ft				ft				SQ FT
I-15 SB BASIN ROAD EXIT RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,429	-	-	-
	36	56	-	-	-	-	-	-	-	-	-	-	56	-	-	-	-	-	-	-	-	-	-	1,322	-
	25A	41	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-	-	-	-	973	-	-	-	-
	LIMIT LINE	-	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62
	2-(STOP)	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
	1-(AHEAD)	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	2-TYPE V ARROW	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
I-15 SB BASIN ROAD ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,722	-	-	-
	25A	44	-	-	-	-	-	-	-	-	-	-	-	44	-	-	-	-	-	-	1,034	-	-	-	-
	36A	15	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	320	-	340	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	103	-	-	-
	1-TYPE I (24ft) ARROW	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
Rte 40 EB MONTARA STREET EXIT RAMP	36	56	-	-	-	-	-	-	-	-	-	-	56	-	-	-	-	-	-	-	-	-	-	1,326	-
	25A	21	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-	-	503	-	-	-	-
	22	28	-	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	632	-	-	-	-
	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,456	-	-	-
	1-(SIGNAL)	-	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
	1-(AHEAD)	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	2-TYPE V ARROW	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
	2-TYPE III(R)	-	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84
	2-TYPE II(L)	-	-	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90
	LIMIT LINE	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
	CROSSWALK	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
	38B	12	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	129	-
Rte 40 EB MONTARA STREET ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,011	-	-	-
	38	11	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	258	-
	25A	17	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	379	-	-	-	-
	CROSSWALK	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
	2-TYPE I(24') ARROW	-	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62
	36A	7	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	150	-	147	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	113	-	-	-
Rte 40 WB MONTARA STREET EXIT RAMP	36	78	-	-	-	-	-	-	-	-	-	-	78	-	-	-	-	-	-	-	-	-	-	1,864	-
	25A	41	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-	-	-	-	947	-	-	-	-
	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,411	-	-	-
	38	18	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	410	-
	3-TYPE V ARROW	-	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99
	1-(STOP)	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
	LIMIT LINE	-	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
Rte 40 WB MONTARA STREET ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,308	-	-	-
	25A	29	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	678	-	-	-	-
	36A	14	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	326	-	318	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	-	-	-
	1-TYPE I (24ft) ARROW	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
SUBTOTAL		-	-	-	-	-	-	-	-	-	28	-	267	193	-	-	-	-	-	-	5,146	9,459	-	6,114	-
SHEET TOTAL		488	-	949	-	-		-	488						-		-				20,719				949

PAVEMENT DELINEATION QUANTITIES

NO SCALE **PDQ-8**

REVISED BY: CHRIS HARDIMON
DATE REVISED: BEN AMIRI
CALCULATED-DESIGNED BY:
CHECKED BY:
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION | DATE PLOTTED => 13-MAR-2014
03-17-14 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010
USERNAME => s110420
DGN FILE => 08120003151nc008.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2242
PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	28	86

REGISTERED CIVIL ENGINEER — 3-17-14 DATE

CHRIS HARDIMON No. C66092 Exp. 06/30/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-17-14
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.

(* HAZARDOUS WASTE)

PAVEMENT DELINEATION QUANTITIES

LOCATION BRIDGE NAME/BRIDGE NUMBER	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKERS	REMOVE THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER									PAINT TRAFFIC STRIPE (2-COAT)				THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				THERMOPLASTIC PAVEMENT MARKING
					YELLOW (*HW)	WHITE		NON-REFLECTIVE TYPE	RETROREFLECTIVE TYPE						RECESSED TYPE											
			YELLOW	WHITE	4 INCH	4 INCH	8 INCH	A	AY	C	D	E	G	H	D	H	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	
		EA	SQ FT	SQ FT	ft	ft		EA	EA						EA		ft				ft				SQ FT
Rte 40 EB E. MAIN STREET/NATIONAL TRAILS EXIT RAMP	36	72	-	-	-	-	-	-	-	-	-	-	72	-	-	-	-	-	-	-	-	-	-	1,702	-
	25A	33	-	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-	-	779	-	-	-	-
	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,285	-	-	-
	3-TYPE V ARROW	-	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99
	2-(STOP)	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
	LIMIT LINE	-	-	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71
Rte 40 EB E. MAIN STREET/NATIONAL TRAILS ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,522	-	-	-
	25A	36	-	-	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	851	-	-	-	-
	36A	13	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	304	-	309	-
	I-TYPE I (24ft) ARROW	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	166	-	-	-
Rte 40 WB E. MAIN STREET/NATIONAL TRAILS EXIT RAMP	36	64	-	-	-	-	-	-	-	-	-	-	64	-	-	-	-	-	-	-	-	-	-	1,504	-
	27B	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1,179	-	-	-
	25A	28	-	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-	-	654	-	-	-	-
	2-TYPE V ARROW	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
	2-(STOP)	-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
	I-(AHEAD)	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	LIMIT LINE	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
Rte 40 WB E. MAIN STREET/NATIONAL TRAILS ENTRANCE RAMP	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,290	-	-	-
	25A	69	-	-	-	-	-	-	-	-	-	-	-	69	-	-	-	-	-	-	1,622	-	-	-	-
	36	22	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-	-	-	-	-	-	-	528	-
	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	239	-	-	-
	I-TYPE I (24ft) ARROW	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
	36A	15	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	352	-	356	-
YERMO INSPECTION STATION	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1500	-	-	-
	25	-	-	-	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	1500	-	-	-	-
	4" WIDE WHITE STRIPE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1520	-	-	-
	13M	-	-	-	-	-	-	128	-	-	-	-	32	-	-	-	-	-	-	-	-	1500	-	-	-
	RAISED MARKER ARRAY	-	-	-	-	-	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	CROSS WALK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76
	SLOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	138
	STOP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
	AHEAD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62
	LIMIT LINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
	38A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	-	-
	27B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-	-	-
SUBTOTAL		-	-	-	-	-	-	-	-	-	-	-	218	198	-	-	-	-	-	-	5,406	12,857	-	4,599	-
SHEET TOTAL		352	-	469	-	-		268	416						-		-				22,862				825

REVISED BY | DATE REVISED

CHRIS HARDIMON | BEN AMIRI

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: BEN AMIRI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® DESIGN

PAVEMENT DELINEATION QUANTITIES

NO SCALE **PDQ-9**

LAST REVISION 03-17-14 | DATE PLOTTED => 13-MAR-2014 | TIME PLOTTED => 10:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	29	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
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.

(* HAZARDOUS WASTE)

PAVEMENT DELINEATION QUANTITIES

LOCATION ROUTE/BRIDGE NAME/BRIDGE NUMBER	DETAIL No. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKERS	REMOVE THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER									PAINT TRAFFIC STRIPE (2-COAT)				THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				THERMOPLASTIC PAVEMENT MARKING
					YELLOW (*HW)	WHITE		NON-REFLECTIVE TYPE	RETROREFLECTIVE TYPE						RECESSED TYPE										
			YELLOW	WHITE	4 INCH	4 INCH	8 INCH	A	AY	C	D	E	G	H	D	H	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	4 INCH YELLOW	4 INCH WHITE	6 INCH WHITE	8 INCH WHITE	
		EA	SQ FT	SQ FT	ft	ft		EA	EA						EA		ft				ft				SQ FT
SHEET #1 TOTAL		384	-	-	3,185	3,407		256	128						-		-				8,635				-
SHEET #2 TOTAL		65	-	84	3,240	3,855		-	65						-		-				7,431				84
SHEET #3 TOTAL		14,754	-	639	-	-		-	14,754						-		-				1,421,948				692
SHEET #4 TOTAL		-	-	936	-	-		-	-						-		-				2,128				936
SHEET #5 TOTAL		580	-	1,123	-	-		-	580						-		-				25,361				1,123
SHEET #6 TOTAL		486	-	619	-	-		-	486						-		-				22,115				619
SHEET #7 TOTAL		476	-	734	-	-		-	476						-		-				22,468				734
SHEET #8 TOTAL		488	-	949	-	-		-	488						-		-				20,719				949
SHEET #9 TOTAL		352	-	469	-	-		268	416						-		-				22,862				825
GRAND TOTAL		17,585	-	5,553	6,425	7,262		524	17,393						-		-				1,553,667				5,962

CALCULATED-DESIGNED BY: CHRIS HARDIMON
CHECKED BY: BEN AMIRI
FUNCTIONAL SUPERVISOR: BEN AMIRI
REVISED BY
DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

PAVEMENT DELINEATION QUANTITIES
NO SCALE **PDQ-10**

LAST REVISION 03-17-14
DATE PLOTTED => 13-MAR-2014
TIME PLOTTED => 10:43

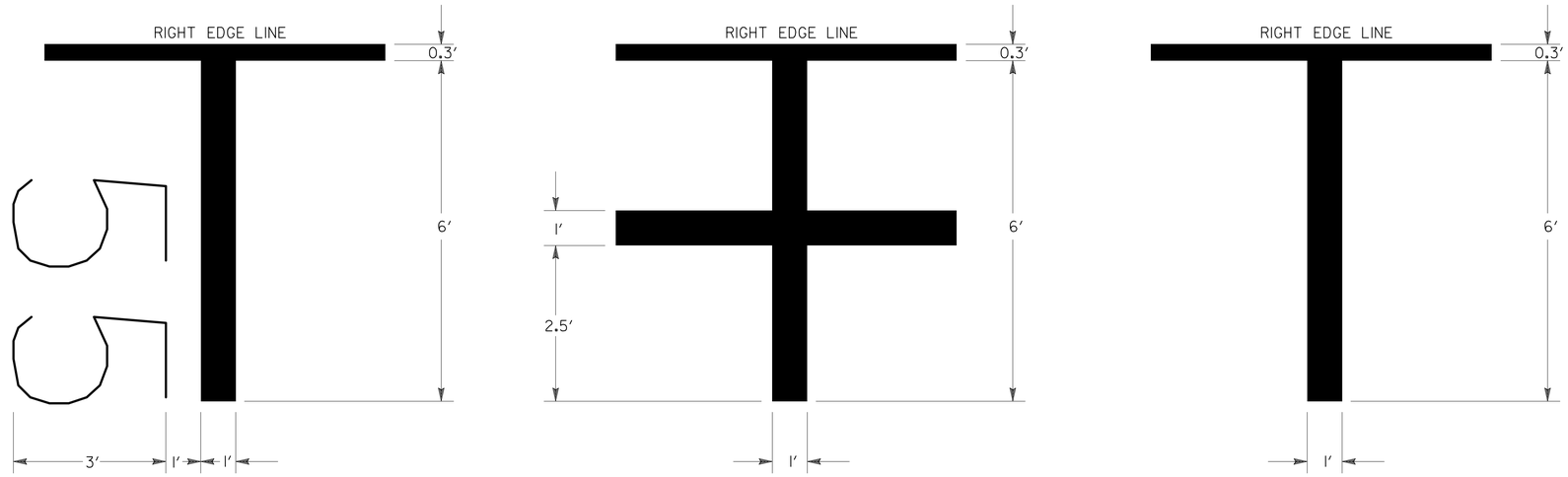
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	30	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

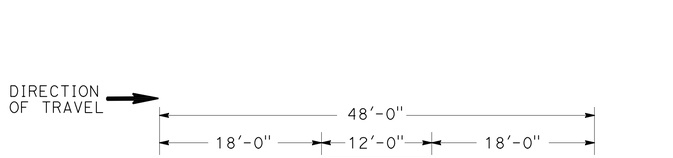
3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
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 AIRCRAFT POSTMILE MARKINGS



DETAIL 13M

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

PAVEMENT DELINEATION QUANTITIES
NO SCALE **PDQ-11**

LAST REVISION 03-17-14 | DATE PLOTTED => 13-MAR-2014 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 0812000315nc011.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	31	86

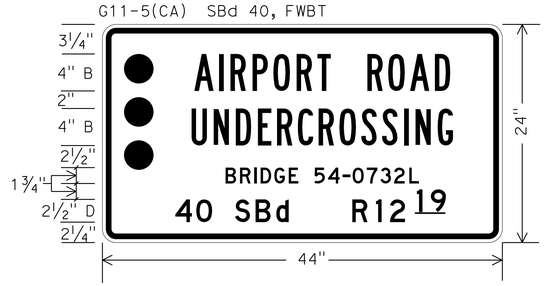
REGISTERED CIVIL ENGINEER — 3-17-14 DATE

CHRIS HARDIMON No. C66092 Exp. 06/30/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-17-14
PLANS APPROVAL DATE

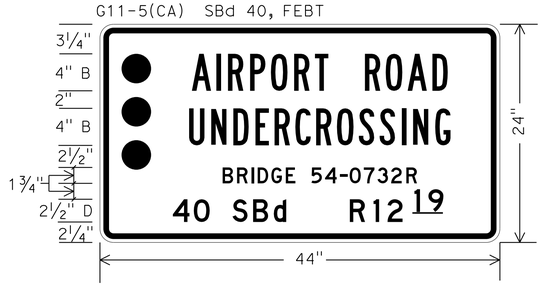
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

G11-5(CA) SBd 40, FWBT



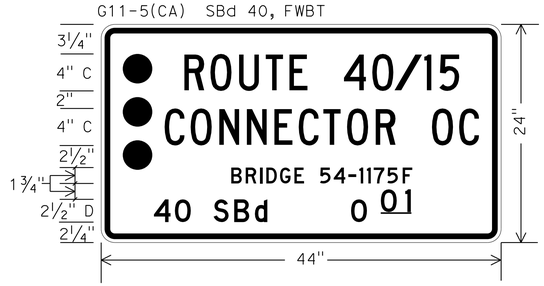
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[AIRPORT ROAD] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0732L] 1¾" D; [40 SBd R12.19] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



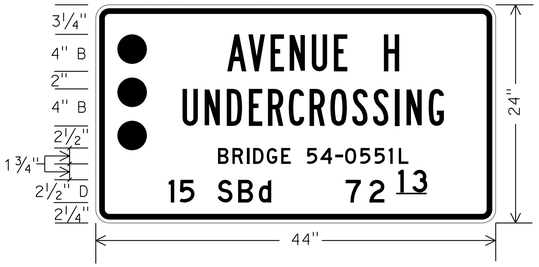
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[AIRPORT ROAD] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0732R] 1¾" D; [40 SBd R12.19] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FWBT



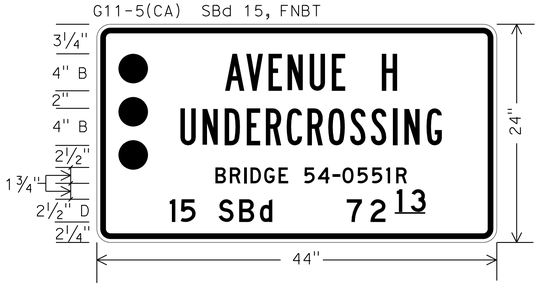
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[ROUTE 40/15] 4"C; [CONNECTOR OC] 4"C;
[BRIDGE 54-1175F] 1¾" D; [40 SBd 0.01] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 15, FSBT



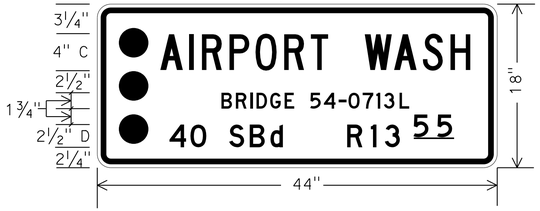
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[AVENUE H] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0551L] 1¾" D; [15 SBd 72.13] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 15, FNBT



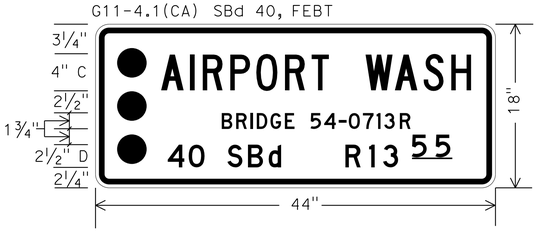
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[AVENUE H] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0551R] 1¾" D; [15 SBd 72.13] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



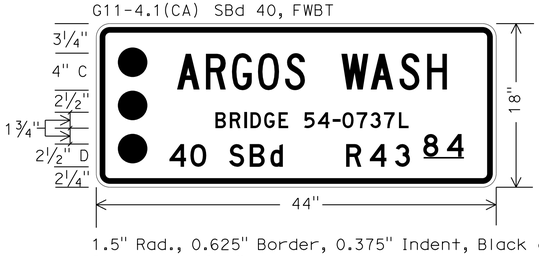
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[AIRPORT WASH] 4"C;
[BRIDGE 54-0713L] 1¾" D; [40 SBd R13.55] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



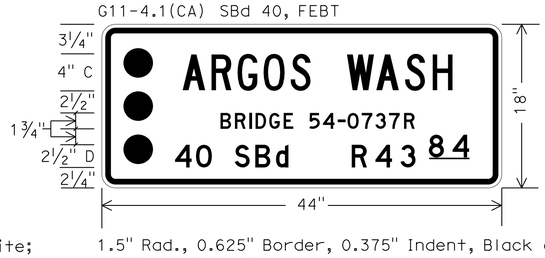
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[AIRPORT WASH] 4"C;
[BRIDGE 54-0713R] 1¾" D; [40 SBd R13.55] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



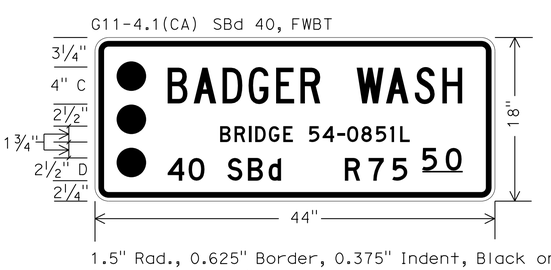
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[ARGOS WASH] 4"C;
[BRIDGE 54-0737L] 1¾" D; [40 SBd R43.84] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



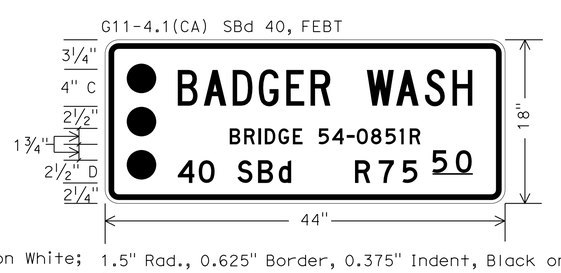
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[ARGOS WASH] 4"C;
[BRIDGE 54-0737R] 1¾" D; [40 SBd R43.84] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



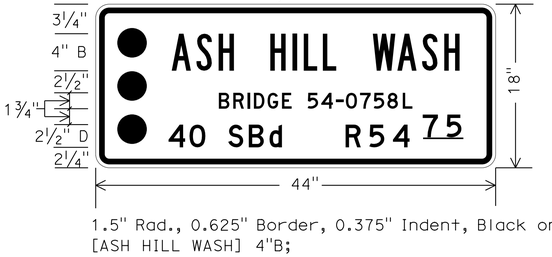
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BADGER WASH] 4"C;
[BRIDGE 54-0851L] 1¾" D; [40 SBd R75.50] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



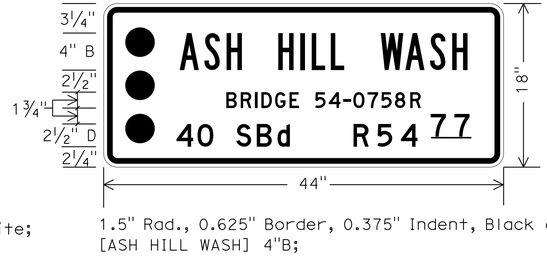
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BADGER WASH] 4"C;
[BRIDGE 54-0851R] 1¾" D; [40 SBd R75.50] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



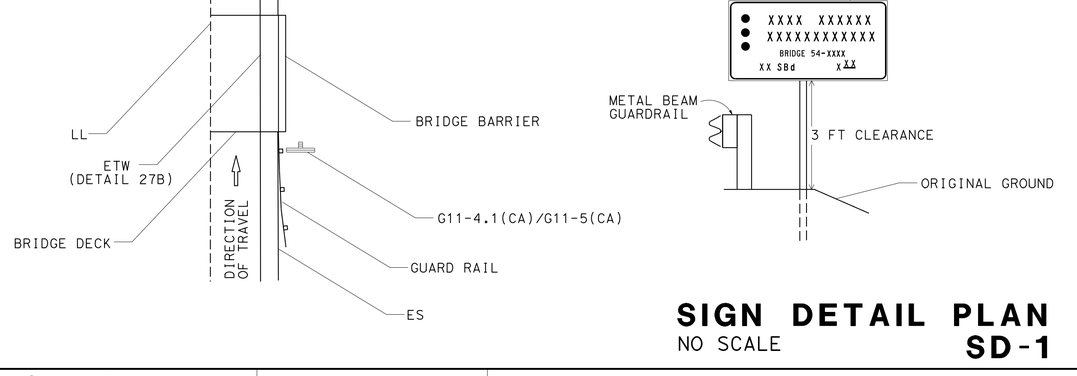
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[ASH HILL WASH] 4"B;
[BRIDGE 54-0758L] 1¾" D; [40 SBd R54.75] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[ASH HILL WASH] 4"B;
[BRIDGE 54-0758R] 1¾" D; [40 SBd R54.77] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

TYPICAL LOCATION AND INSTALLATION OF G11-4.1(CA)/G11-5(CA) SIGN



SIGN DETAIL PLAN

NO SCALE

SD-1

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | DESIGN
Caltrans®

LAST REVISION => DATE PLOTTED => 13-MAR-2014
03-17-14 TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 08120003150b001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	32	86

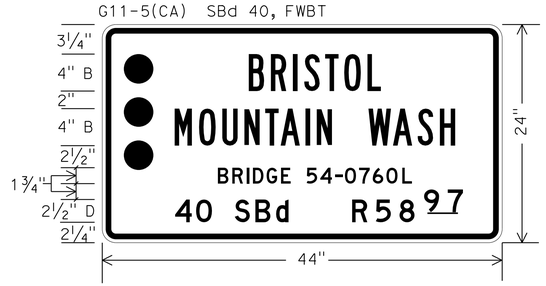
REGISTERED CIVIL ENGINEER — 3-17-14 DATE

PLANS APPROVAL DATE — 3-17-14

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON — No. C66092 — Exp. 06/30/14 — CIVIL — STATE OF CALIFORNIA

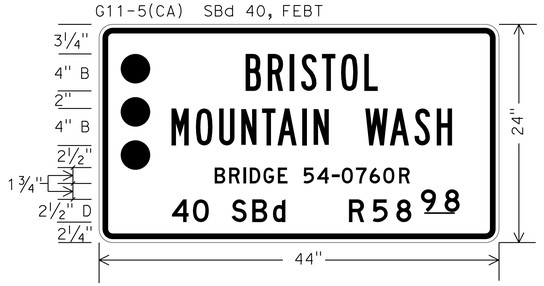
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

G11-5(CA) SBd 40, FWBT



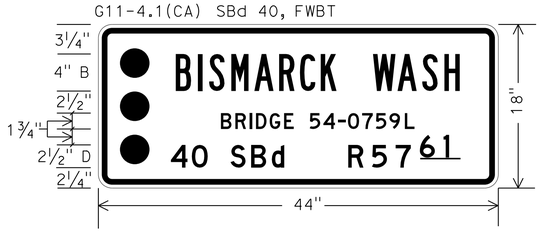
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BRISTOL] 4"B; [MOUNTAIN WASH] 4"B;
[BRIDGE 54-0760L] 1¾" D; [40 SBd R58.97] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



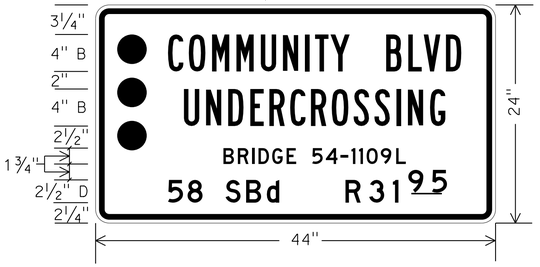
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BRISTOL] 4"B; [MOUNTAIN WASH] 4"B;
[BRIDGE 54-0760R] 1¾" D; [40 SBd R58.98] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



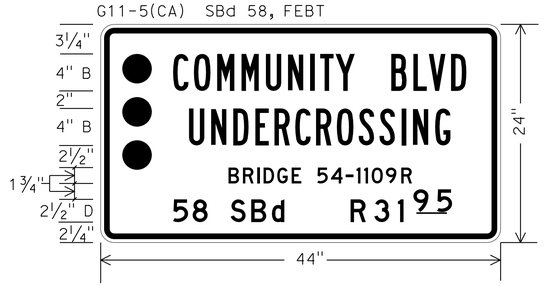
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BISMARCK WASH] 4"B;
[BRIDGE 54-0759L] 1¾" D; [40 SBd R57.61] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 58, FWBT



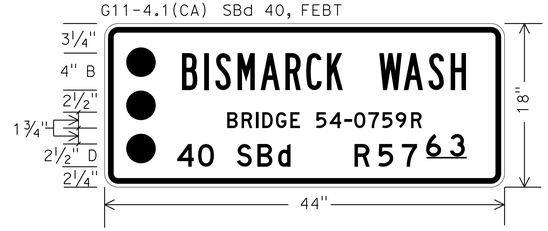
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[COMMUNITY BLVD] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-1109L] 1¾" D; [58 SBd 31.95] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 58, FEBT



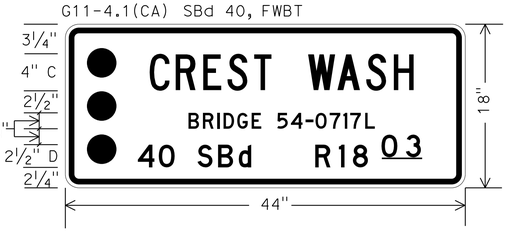
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[COMMUNITY BLVD] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-1109R] 1¾" D; [58 SBd 31.95] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



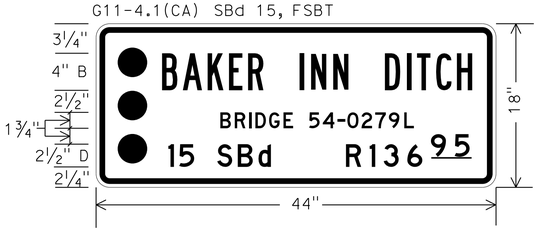
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BISMARCK WASH] 4"B;
[BRIDGE 54-0759R] 1¾" D; [40 SBd R57.63] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



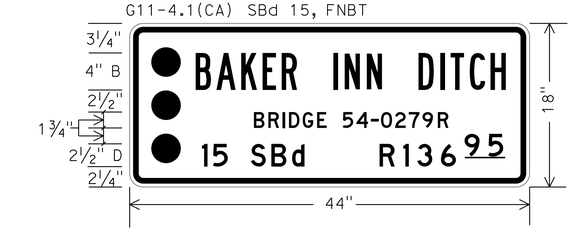
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[CREST WASH] 4"C;
[BRIDGE 54-0717L] 1¾" D; [40 SBd R18.03] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 15, FSBT



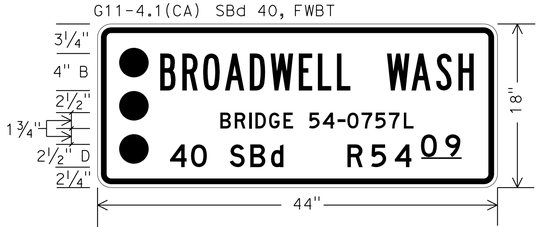
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BAKER INN DITCH] 4"B;
[BRIDGE 54-0279L] 1¾" D; [15 SBd R136.95] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 15, FNBT



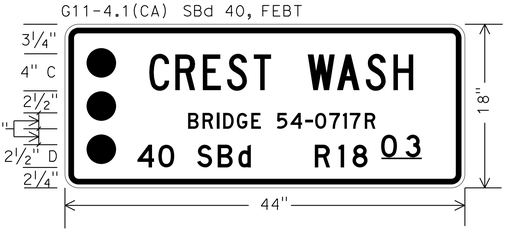
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BAKER INN DITCH] 4"B;
[BRIDGE 54-0279R] 1¾" D; [15 SBd R136.95] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



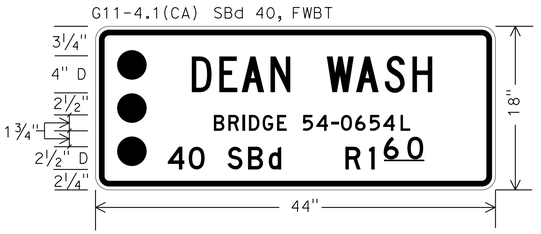
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BROADWELL WASH] 4"B;
[BRIDGE 54-0757L] 1¾" D; [40 SBd R54.09] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



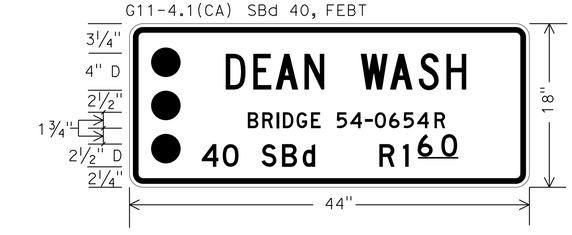
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[CREST WASH] 4"C;
[BRIDGE 54-0717R] 1¾" D; [40 SBd R18.03] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



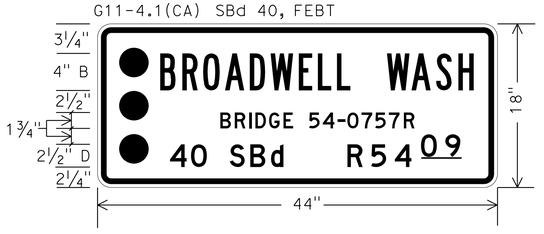
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[DEAN WASH] 4"D;
[BRIDGE 54-0654L] 1¾" D; [40 SBd R1.60] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[DEAN WASH] 4"D;
[BRIDGE 54-0654R] 1¾" D; [40 SBd R1.60] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BROADWELL WASH] 4"B;
[BRIDGE 54-0757R] 1¾" D; [40 SBd R54.09] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

SIGN DETAIL PLAN
NO SCALE

SD-2

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans®

LAST REVISION: DATE PLOTTED => 13-MAR-2014 | 03-17-14 | TIME PLOTTED => 10:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	33	86

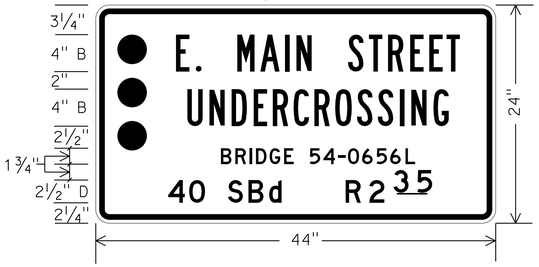
3-17-14
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
CIVIL
STATE OF CALIFORNIA

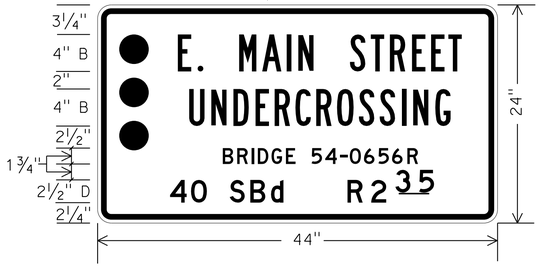
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

G11-5(CA) SBd 40, FWBT



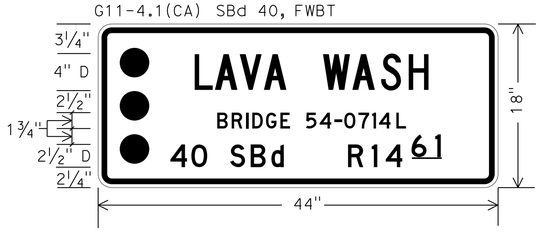
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[E. MAIN STREET] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0656L] 1¾" D; [40 SBd R2.35] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



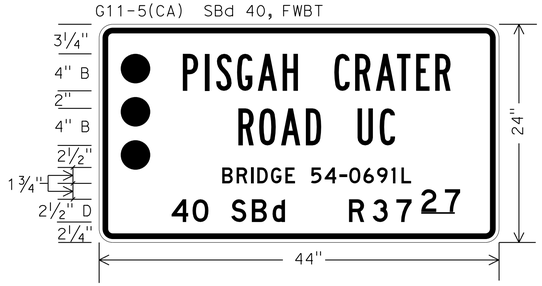
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[E. MAIN STREET] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0656R] 1¾" D; [40 SBd R2.35] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



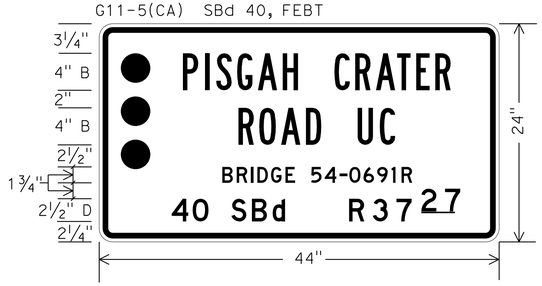
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[LAVA WASH] 4"D;
[BRIDGE 54-0714L] 1¾" D; [40 SBd R14.61] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FWBT



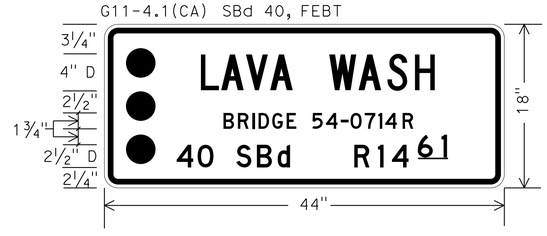
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[PISGAH CRATER] 4"B; [ROAD UC] 4"B;
[BRIDGE 54-0691L] 1¾" D; [40 SBd 37.27] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



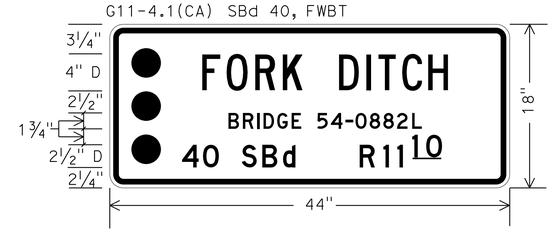
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[PISGAH CRATER] 4"B; [ROAD UC] 4"B;
[BRIDGE 54-0691R] 1¾" D; [40 SBd 37.27] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



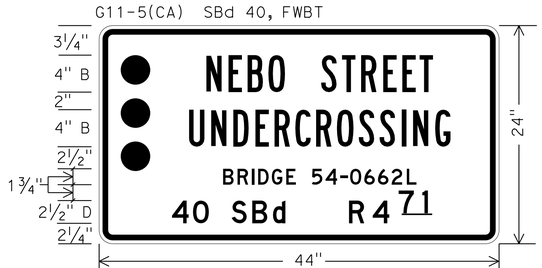
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[LAVA WASH] 4"D;
[BRIDGE 54-0714R] 1¾" D; [40 SBd R14.61] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



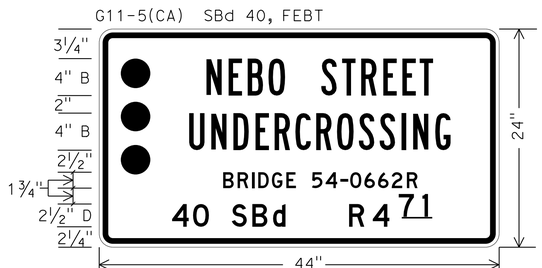
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[FORK DITCH] 4"D;
[BRIDGE 54-0882L] 1¾" D; [40 SBd R11.10] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FWBT



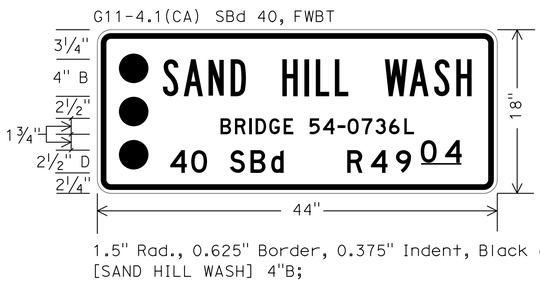
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[NEBO STREET] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0662L] 1¾" D; [40 SBd 4.71] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



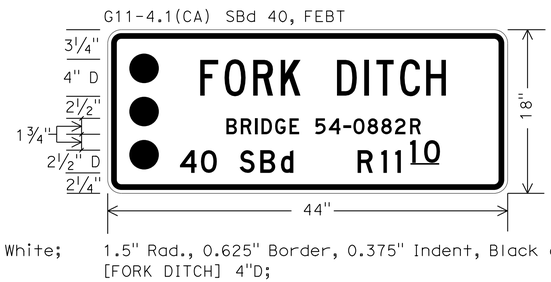
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[NEBO STREET] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0662R] 1¾" D; [40 SBd 4.71] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



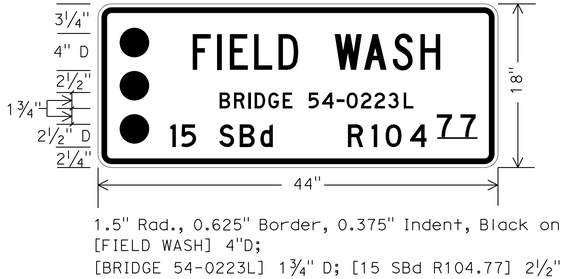
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[SAND HILL WASH] 4"B;
[BRIDGE 54-0736L] 1¾" D; [40 SBd R49.04] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



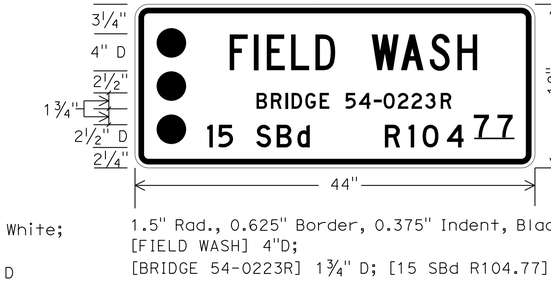
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[FORK DITCH] 4"D;
[BRIDGE 54-0882R] 1¾" D; [40 SBd R11.10] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 15, FSBT



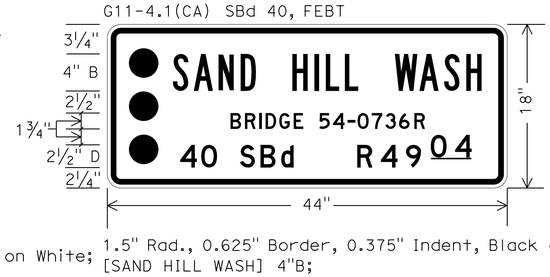
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[FIELD WASH] 4"D;
[BRIDGE 54-0223L] 1¾" D; [15 SBd R104.77] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 15, FNBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[FIELD WASH] 4"D;
[BRIDGE 54-0223R] 1¾" D; [15 SBd R104.77] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[SAND HILL WASH] 4"B;
[BRIDGE 54-0736R] 1¾" D; [40 SBd R49.04] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

SIGN DETAIL PLAN
NO SCALE

SD-3

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans®

LAST REVISION | DATE PLOTTED => 13-MAR-2014
03-17-14 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 08120003315ob003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	34	86

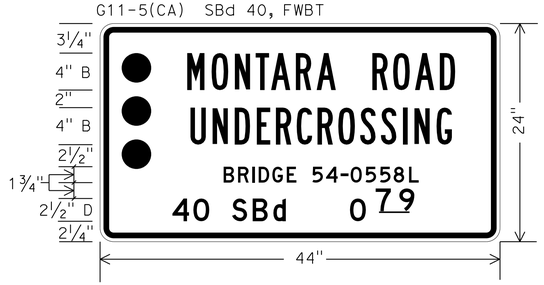
REGISTERED CIVIL ENGINEER — DATE 3-17-14

PLANS APPROVAL DATE 3-17-14

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON — No. C66092 — Exp. 06/30/14 — CIVIL — STATE OF CALIFORNIA

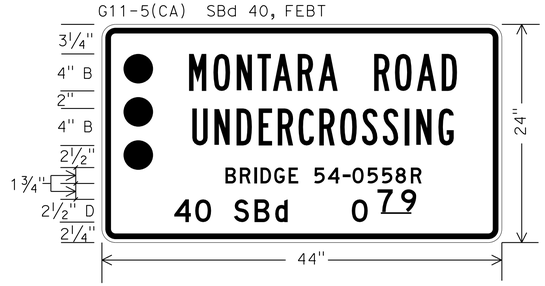
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

G11-5(CA) SBd 40, FWBT



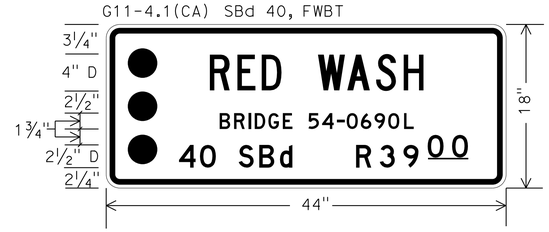
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[MONTARA ROAD] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0558L] 1¾" D; [40 SBd 0.79] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



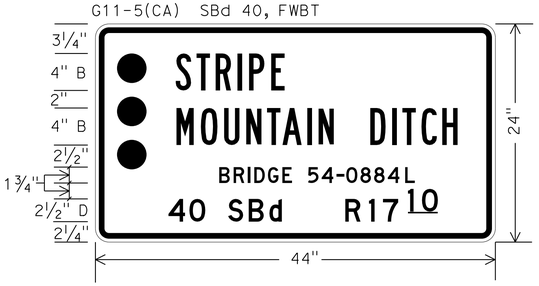
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[MONTARA ROAD] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0558R] 1¾" D; [40 SBd 0.79] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



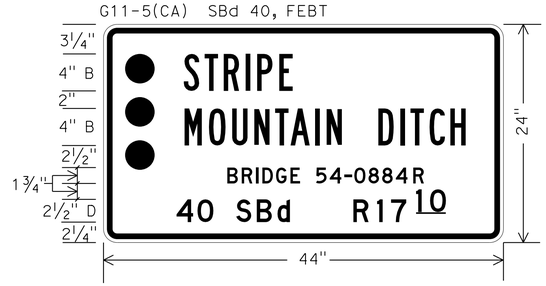
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[RED WASH] 4"D;
[BRIDGE 54-0690L] 1¾" D; [40 SBd R39.00] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FWBT



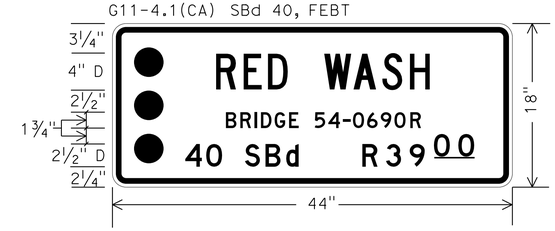
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[STRIPE] 4"B; [MOUNTAIN DITCH] 4"B;
[BRIDGE 54-0884L] 1¾" D; [40 SBd 17.10] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



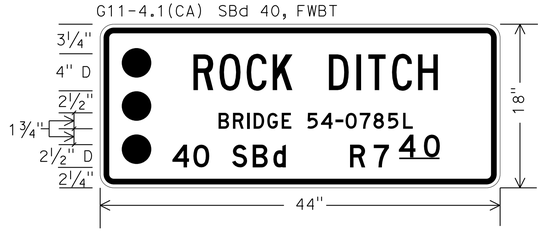
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[STRIPE] 4"B; [MOUNTAIN DITCH] 4"B;
[BRIDGE 54-0884R] 1¾" D; [40 SBd 17.10] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



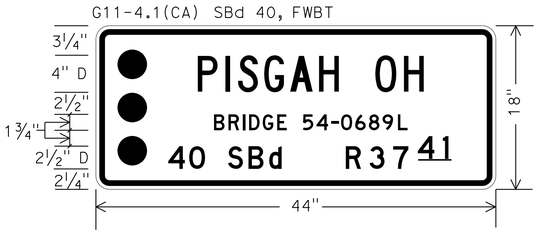
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[RED WASH] 4"D;
[BRIDGE 54-0690R] 1¾" D; [40 SBd R39.00] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



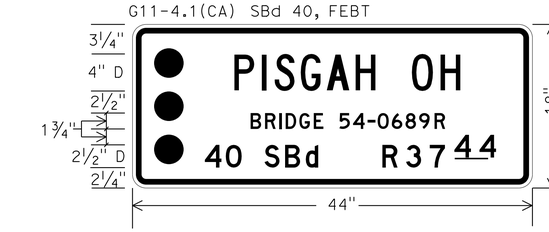
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[ROCK DITCH] 4"D;
[BRIDGE 54-0785L] 1¾" D; [40 SBd R7.40] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



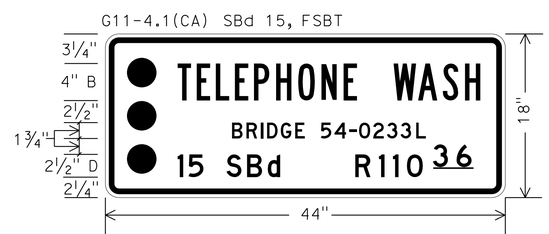
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[PISGAH OH] 4"D;
[BRIDGE 54-0689L] 1¾" D; [40 SBd R37.41] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



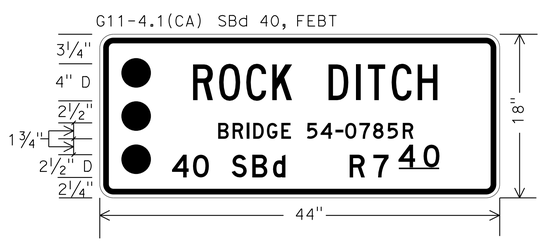
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[PISGAH OH] 4"D;
[BRIDGE 54-0689R] 1¾" D; [40 SBd R37.44] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 15, FSBT



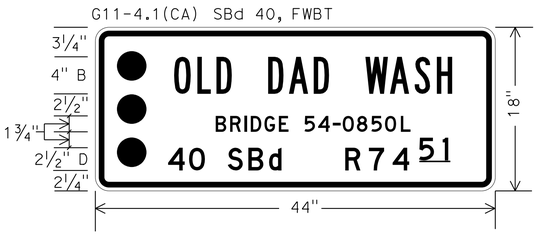
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[TELEPHONE WASH] 4"B;
[BRIDGE 54-0233L] 1¾" D; [15 SBd R110.36] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



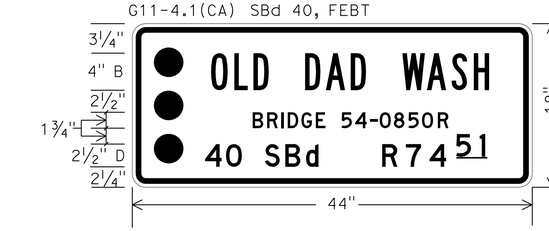
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[ROCK DITCH] 4"D;
[BRIDGE 54-0785R] 1¾" D; [40 SBd R7.40] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



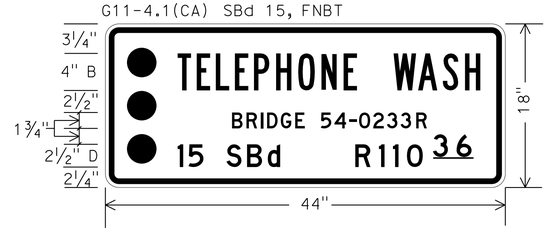
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[OLD DAD WASH] 4"B;
[BRIDGE 54-0850L] 1¾" D; [40 SBd R74.51] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[OLD DAD WASH] 4"B;
[BRIDGE 54-0850R] 1¾" D; [40 SBd R74.51] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 15, FNBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[TELEPHONE WASH] 4"B;
[BRIDGE 54-0233R] 1¾" D; [15 SBd R110.36] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

SIGN DETAIL PLAN
NO SCALE

SD-4

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION: DATE PLOTTED => 13-MAR-2014 | TIME PLOTTED => 10:43 | 03-17-14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	35	86

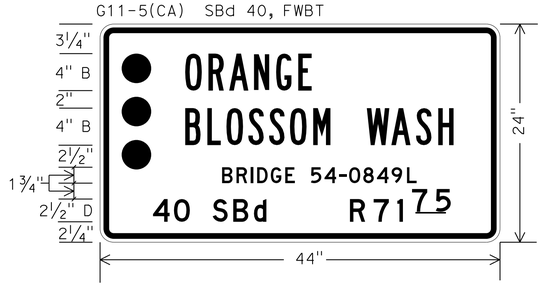
3-17-14
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
CIVIL
STATE OF CALIFORNIA

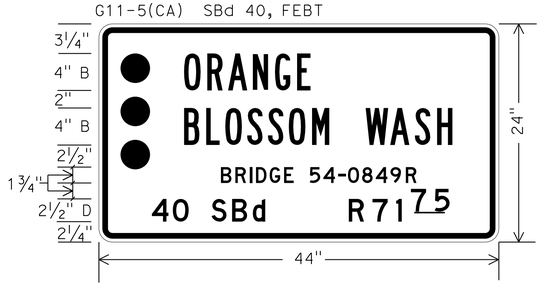
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

G11-5(CA) SBd 40, FWBT



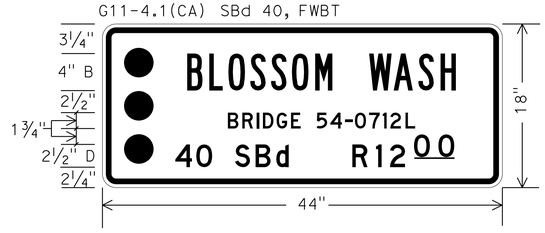
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[ORANGE] 4"B; [BLOSSOM WASH] 4"B;
[BRIDGE 54-0849L] 1¾" D; [40 SBd R71.75] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



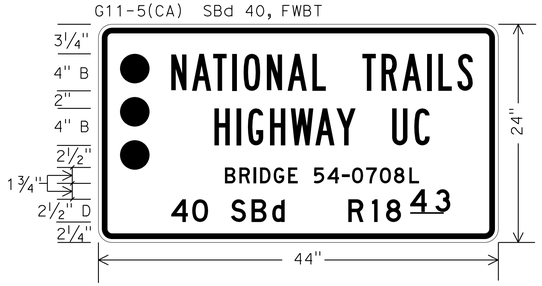
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[ORANGE] 4"B; [BLOSSOM WASH] 4"B;
[BRIDGE 54-0849R] 1¾" D; [40 SBd R71.75] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



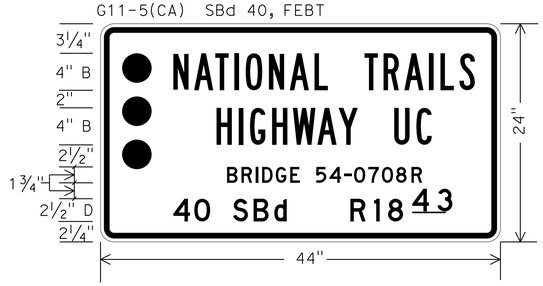
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BLOSSOM WASH] 4"B;
[BRIDGE 54-0712L] 1¾" D; [40 SBd R12.00] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FWBT



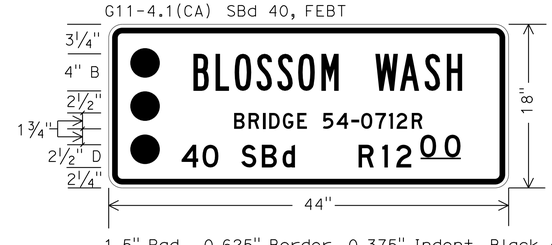
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[NATIONAL TRAILS] 4"B; [HIGHWAY UC] 4"B;
[BRIDGE 54-0708L] 1¾" D; [40 SBd R18.43] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



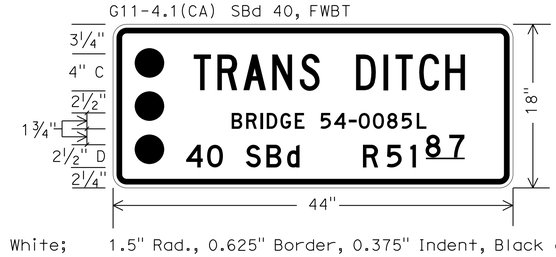
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[NATIONAL TRAILS] 4"B; [HIGHWAY UC] 4"B;
[BRIDGE 54-0708R] 1¾" D; [40 SBd R18.43] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



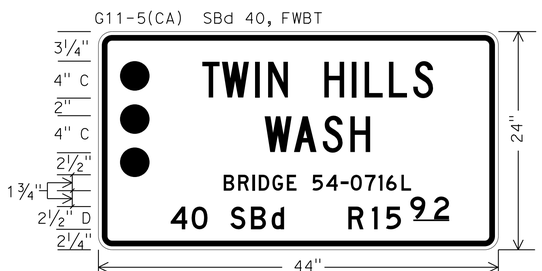
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BLOSSOM WASH] 4"B;
[BRIDGE 54-0712R] 1¾" D; [40 SBd R12.00] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



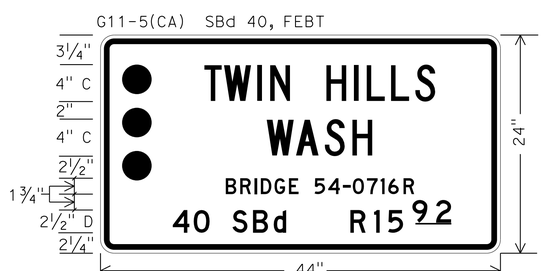
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[TRANS DITCH] 4"C;
[BRIDGE 54-0085L] 1¾" D; [40 SBd R51.87] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FWBT



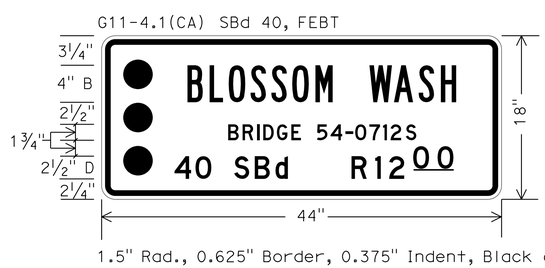
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[TWIN HILLS] 4"C; [WASH] 4"C;
[BRIDGE 54-0716L] 1¾" D; [40 SBd R15.92] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



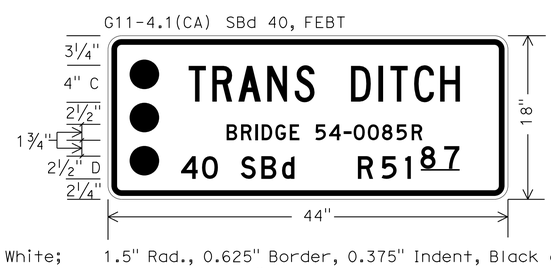
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[TWIN HILLS] 4"C; [WASH] 4"C;
[BRIDGE 54-0716R] 1¾" D; [40 SBd R15.92] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



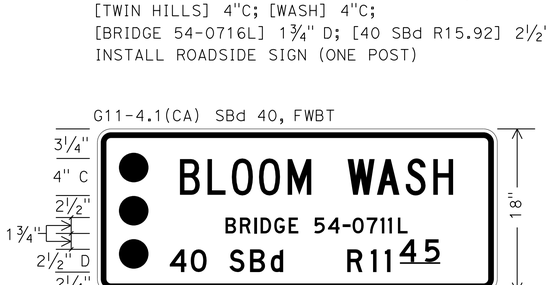
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BLOSSOM WASH] 4"B;
[BRIDGE 54-0712S] 1¾" D; [40 SBd R12.00] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



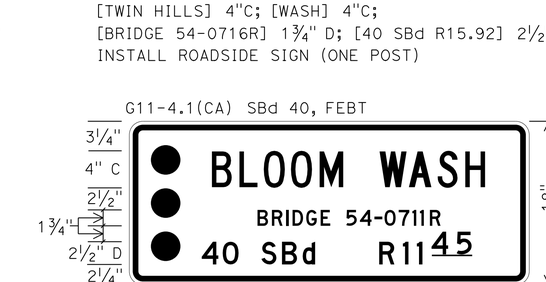
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[TRANS DITCH] 4"C;
[BRIDGE 54-0085R] 1¾" D; [40 SBd R51.87] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



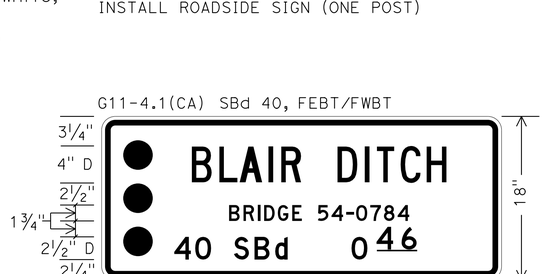
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BLOOM WASH] 4"C;
[BRIDGE 54-0711L] 1¾" D; [40 SBd R11.45] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BLOOM WASH] 4"C;
[BRIDGE 54-0711R] 1¾" D; [40 SBd R11.45] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT/FWBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[BLAIR DITCH] 4"D;
[BRIDGE 54-0784] 1¾" D; [40 SBd 0.46] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

SIGN DETAIL PLAN
NO SCALE

SD-5

CHRIS HARDIMON — REVISED BY
BEN AMIRI — DATE REVISED
CALCULATED-DESIGNED BY
CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans®

LAST REVISION 03-17-14
DATE PLOTTED => 13-MAR-2014
TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010
USERNAME => s110420
DGN FILE => 08120000315ob005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2242
PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	36	86

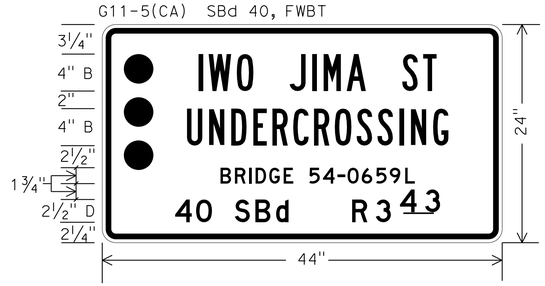
REGISTERED CIVIL ENGINEER — DATE 3-17-14

PLANS APPROVAL DATE 3-17-14

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON — No. C66092 — Exp. 06/30/14 — CIVIL — STATE OF CALIFORNIA

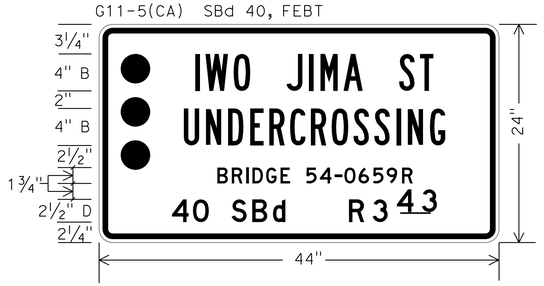
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

G11-5(CA) SBd 40, FWBT



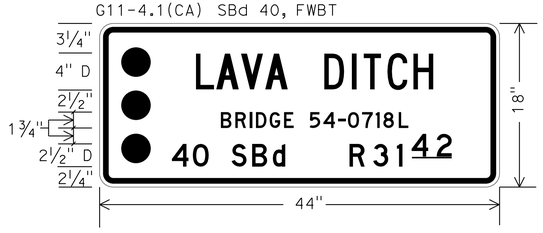
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[IWO JIMA ST] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0659L] 1¾" D; [40 SBd R3.43] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



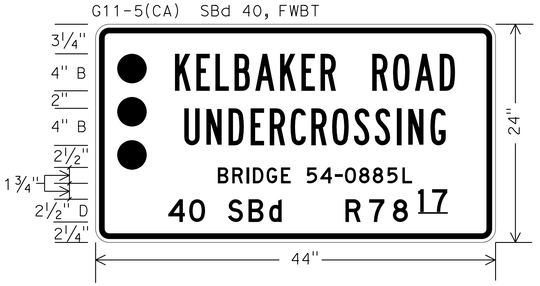
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[IWO JIMA ST] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0659R] 1¾" D; [40 SBd R3.43] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



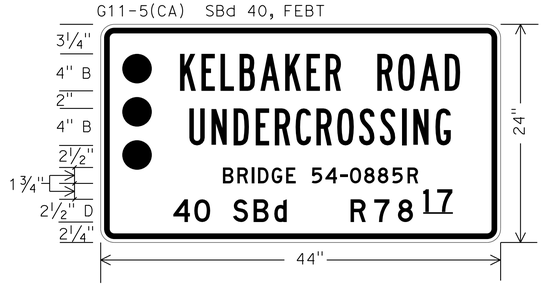
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[LAVA DITCH] 4"D;
[BRIDGE 54-0718L] 1¾" D; [40 SBd R31.42] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FWBT



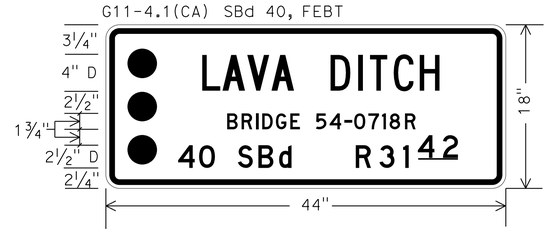
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[KELBAKER ROAD] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0885L] 1¾" D; [40 SBd R78.17] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



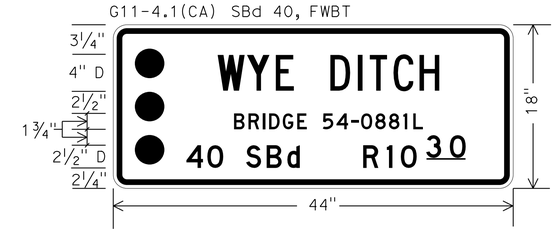
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[KELBAKER ROAD] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0885R] 1¾" D; [40 SBd R78.17] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



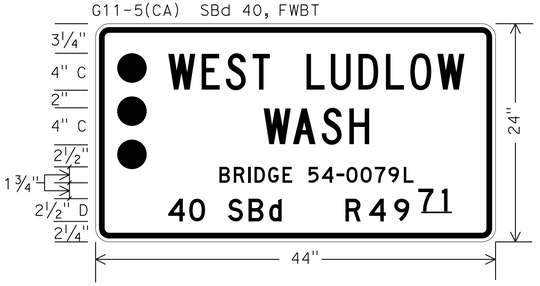
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[LAVA DITCH] 4"D;
[BRIDGE 54-0718R] 1¾" D; [40 SBd R31.42] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



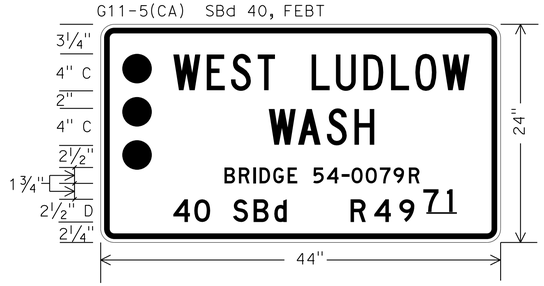
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[WYE DITCH] 4"D;
[BRIDGE 54-0881L] 1¾" D; [40 SBd R10.30] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FWBT



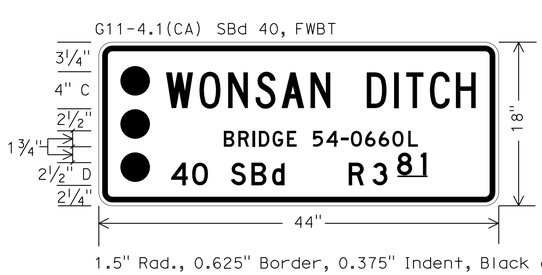
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[WEST LUDLOW] 4"C; [WASH] 4"C;
[BRIDGE 54-0079L] 1¾" D; [40 SBd R49.71] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



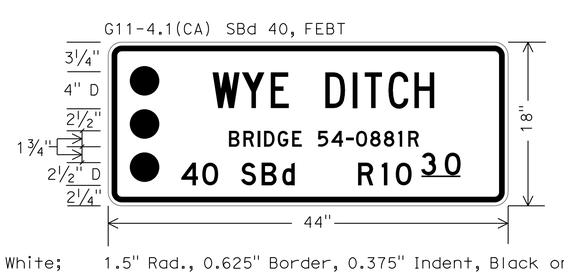
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[WEST LUDLOW] 4"C; [WASH] 4"C;
[BRIDGE 54-0079R] 1¾" D; [40 SBd R49.71] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[WONSAN DITCH] 4"C;
[BRIDGE 54-0660L] 1¾" D; [40 SBd R3.81] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[WYE DITCH] 4"D;
[BRIDGE 54-0881R] 1¾" D; [40 SBd R10.30] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

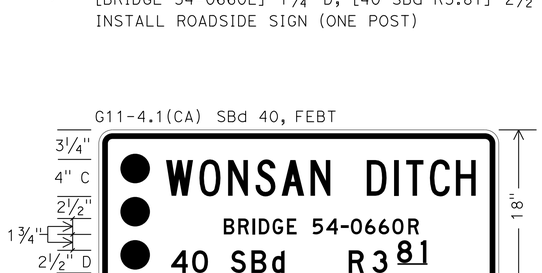
G11-5(CA) SBd 40, FWBT

1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[WILLOW SPRINGS] 4"B; [WASH] 4"B;
[BRIDGE 54-0853L] 1¾" D; [40 SBd R77.39] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT

1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[WILLOW SPRINGS] 4"B; [WASH] 4"B;
[BRIDGE 54-0853R] 1¾" D; [40 SBd R77.37] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[WONSAN DITCH] 4"C;
[BRIDGE 54-0660R] 1¾" D; [40 SBd R3.81] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

SIGN DETAIL PLAN
NO SCALE

SD-6

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: CHRIS HARDIMON
CHECKED BY: BEN AMIRI
FUNCTIONAL SUPERVISOR: BEN AMIRI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 13-MAR-2014
03-17-14 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010

USERNAME => s110420
DGN FILE => 08120000315ob006.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2242

PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	37	86

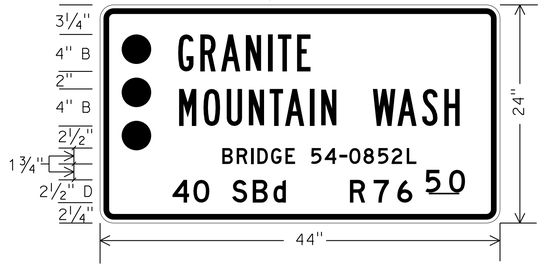
REGISTERED CIVIL ENGINEER — DATE 3-17-14

PLANS APPROVAL DATE 3-17-14

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON — No. C66092 — Exp. 06/30/14 — CIVIL — STATE OF CALIFORNIA

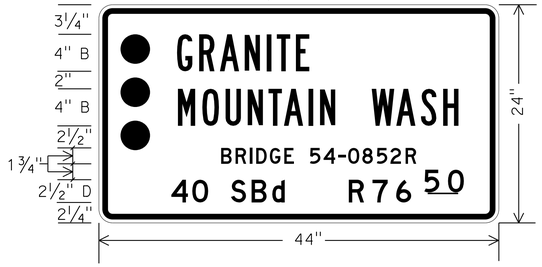
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

G11-5(CA) SBd 40, FWBT



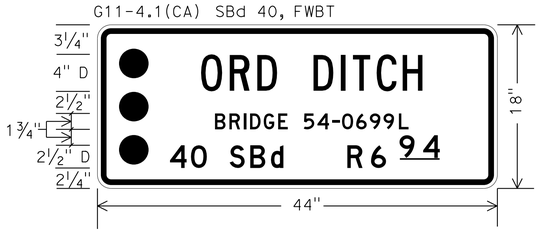
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[GRANITE] 4"B; [MOUNTAIN WASH] 4"B;
[BRIDGE 54-0852L] 1¾" D; [40 SBd R76.50] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



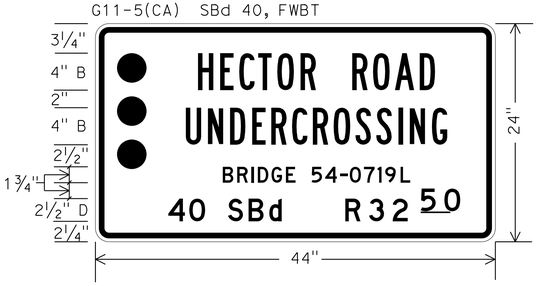
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[GRANITE] 4"B; [MOUNTAIN WASH] 4"B;
[BRIDGE 54-0852R] 1¾" D; [40 SBd R76.50] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



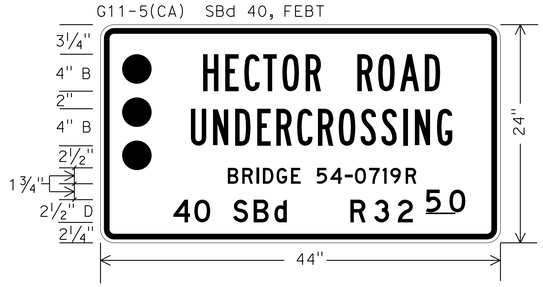
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[ORD DITCH] 4"D;
[BRIDGE 54-0699L] 1¾" D; [40 SBd R6.94] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FWBT



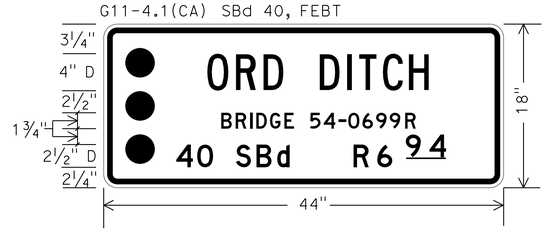
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[HECTOR ROAD] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0719L] 1¾" D; [40 SBd R32.50] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT



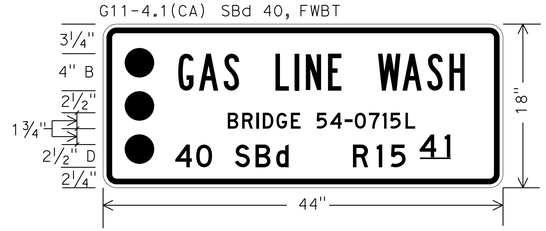
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[HECTOR ROAD] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0719R] 1¾" D; [40 SBd R32.50] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



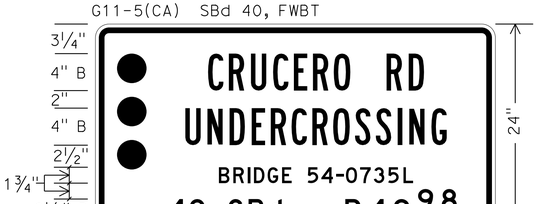
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[ORD DITCH] 4"D;
[BRIDGE 54-0699R] 1¾" D; [40 SBd R6.94] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[GAS LINE WASH] 4"B;
[BRIDGE 54-0715L] 1¾" D; [40 SBd R15.41] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FWBT

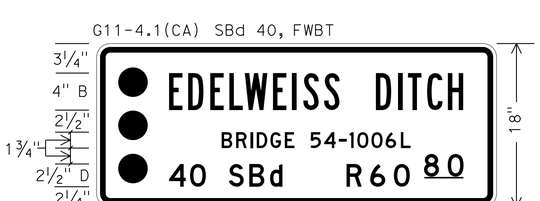


1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[CRUCERO RD] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0735L] 1¾" D; [40 SBd R49.98] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT

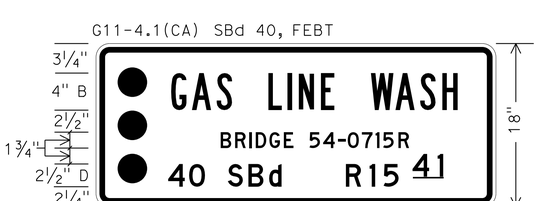
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[CRUCERO RD] 4"B; [UNDERCROSSING] 4"B;
[BRIDGE 54-0735R] 1¾" D; [40 SBd R49.98] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



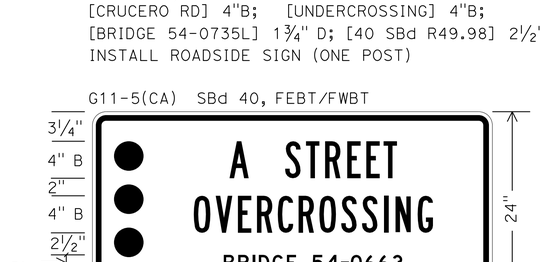
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[EDELWEISS DITCH] 4"B;
[BRIDGE 54-1006L] 1¾" D; [40 SBd R60.80] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



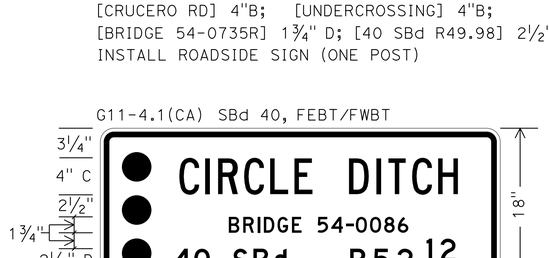
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[GAS LINE WASH] 4"B;
[BRIDGE 54-0715R] 1¾" D; [40 SBd R15.41] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT/FWBT



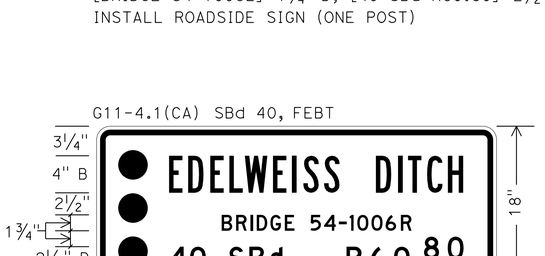
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[A STREET] 4"B; [OVERCROSSING] 4"B;
[BRIDGE 54-0663] 1¾" D; [40 SBd R7.18] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT/FWBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[CIRCLE DITCH] 4"C;
[BRIDGE 54-0086] 1¾" D; [40 SBd R52.12] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[EDELWEISS DITCH] 4"B;
[BRIDGE 54-1006R] 1¾" D; [40 SBd R60.80] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

SIGN DETAIL PLAN

NO SCALE

SD-7

REVISED BY: CHRIS HARDIMON
DATE REVISED: BEN AMIRI
CALCULATED-DESIGNED BY:
CHECKED BY:
FUNCTIONAL SUPERVISOR: BEN AMIRI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION: DATE PLOTTED => 13-MAR-2014
03-17-14 TIME PLOTTED => 10:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	38	86

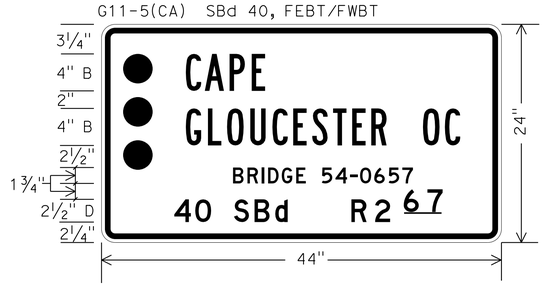
REGISTERED CIVIL ENGINEER — 3-17-14 DATE

PLANS APPROVAL DATE — 3-17-14

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON — No. C66092 — Exp. 06/30/14 — CIVIL — STATE OF CALIFORNIA

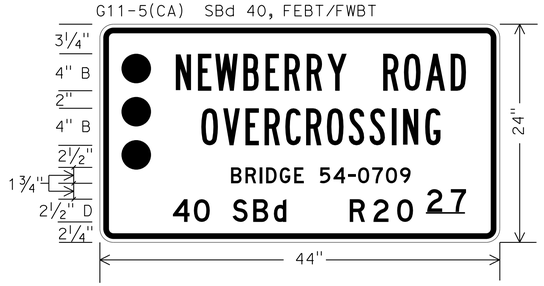
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

G11-5(CA) SBd 40, FEBT/FWBT



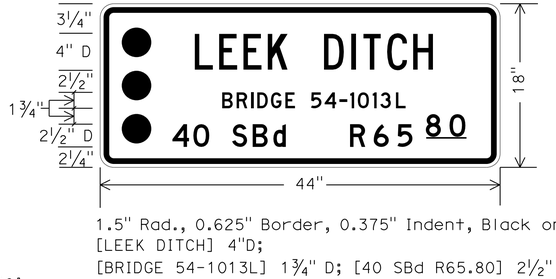
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[CAPE] 4"B; [GLOUCESTER OC] 4"B;
[BRIDGE 54-0657] 1¾" D; [40 SBd R2.67] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT/FWBT



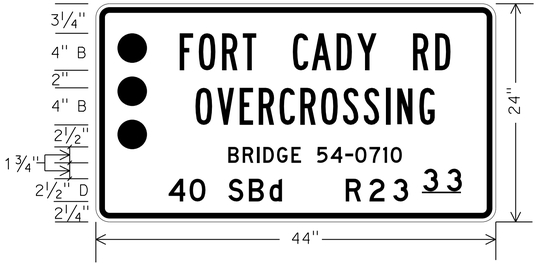
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[NEWBERRY ROAD] 4"B; [OVERCROSSING] 4"B;
[BRIDGE 54-0709] 1¾" D; [40 SBd R20.27] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



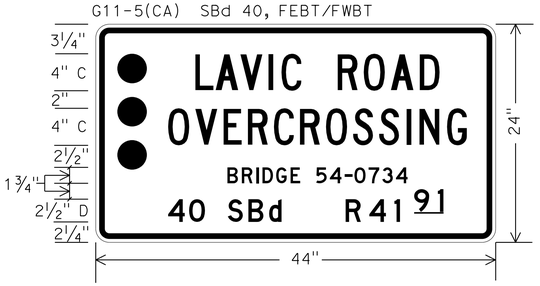
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[LEEK DITCH] 4"D;
[BRIDGE 54-1013L] 1¾" D; [40 SBd R65.80] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT/FWBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[FORT CADY RD] 4"B; [OVERCROSSING] 4"B;
[BRIDGE 54-0710] 1¾" D; [40 SBd R23.33] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-5(CA) SBd 40, FEBT/FWBT

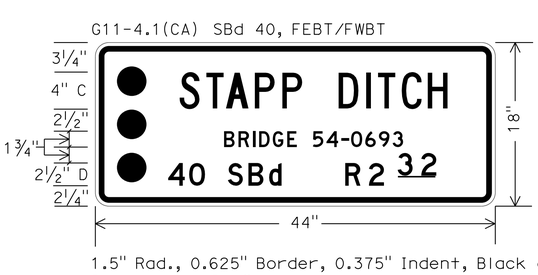


1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[LAVIC ROAD] 4"C; [OVERCROSSING] 4"C;
[BRIDGE 54-0734] 1¾" D; [40 SBd R41.91] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT/FWBT

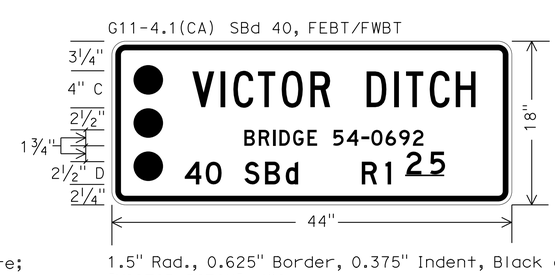
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[SAGE DITCH] 4"D;
[BRIDGE 54-1020] 1¾" D; [40 SBd R73.10] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT/FWBT



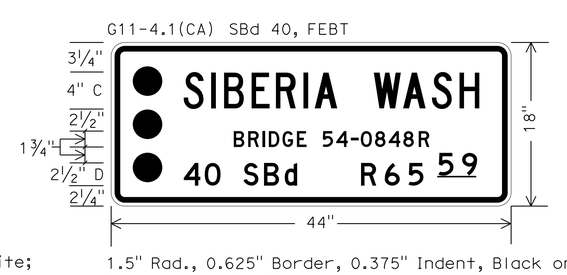
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[STAPP DITCH] 4"C;
[BRIDGE 54-0693] 1¾" D; [40 SBd R2.32] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT/FWBT



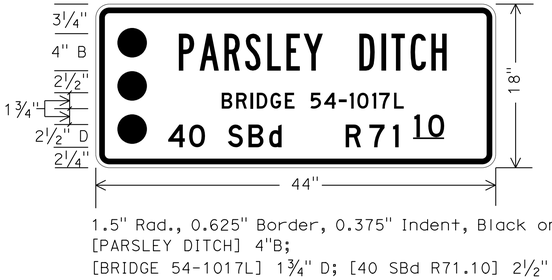
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[VICTOR DITCH] 4"C;
[BRIDGE 54-0692] 1¾" D; [40 SBd R1.25] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT



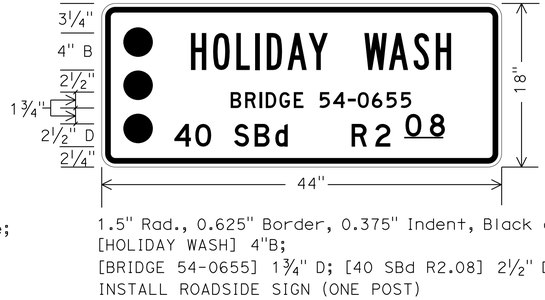
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[SIBERIA WASH] 4"C;
[BRIDGE 54-0848R] 1¾" D; [40 SBd R65.59] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FWBT



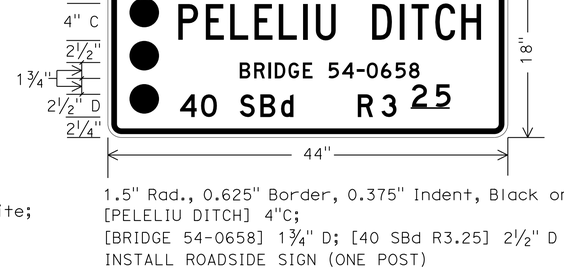
1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[PARSLEY DITCH] 4"B;
[BRIDGE 54-1017L] 1¾" D; [40 SBd R71.10] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT/FWBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[HOLIDAY WASH] 4"B;
[BRIDGE 54-0655] 1¾" D; [40 SBd R2.08] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

G11-4.1(CA) SBd 40, FEBT/FWBT



1.5" Rad., 0.625" Border, 0.375" Indent, Black on White;
[PELELIU DITCH] 4"C;
[BRIDGE 54-0658] 1¾" D; [40 SBd R3.25] 2½" D
INSTALL ROADSIDE SIGN (ONE POST)

SIGN DETAIL PLAN
NO SCALE

SD-8

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 13-MAR-2014
03-17-14 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 0812000315ob008.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

NOTE:
CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS BEFORE SIGN FABRICATION.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	39	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
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.

ROADSIDE SIGN QUANTITIES

LOCATION	DIRECTION	SIGN CODE		SIGN PANEL SIZE L X D	POST SIZE AND LENGTH		ROADSIDE SIGN	INSTALL SIGN OVERLAY	REMARKS
					4" x 4"	4" x 6"	ONE POST		
		FEDERAL	CALIFORNIA	INCHES	LF	LF	EACH	SQFT	
SBd 40, Br. No 54-1175F	FWBT		G11-5<CA>	44 X 24	7.5		1		W40/S15 CONNECTOR OVERCROSSING
SBd 40, Br. No 54-0784	FEBT/FWBT		G11-4.1<CA>	44 X 18	7.5		2		BLAIR DITCH
SBd 40, Br. No 54-0558L	FWBT		G11-5<CA>	44 X 24	7.5		1		MONTARA ROAD UNDERCROSSING
SBd 40, Br. No 54-0558R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-0692	FEBT/FWBT		G11-4.1<CA>	44 X 18	7.5		2		VICTOR DITCH
SBd 40, Br. No 54-0654L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		DEAN WASH
SBd 40, Br. No 54-0654R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0655	FEBT/FWBT		G11-4.1<CA>	44 X 18	7.5		2		HOLIDAY WASH
SBd 40, Br. No 54-0693	FEBT/FWBT		G11-4.1<CA>	44 X 18	7.5		2		STAPP DITCH
SBd 40, Br. No 54-0656L	FWBT		G11-5<CA>	44 X 24	7.5		1		EAST MAIN STREET UNDERCROSSING
SBd 40, Br. No 54-0656R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-0657	FEBT/FWBT		G11-5<CA>	44 X 24	7.5		2		CAPE GLOUCESTER OVERCROSSING
SBd 40, Br. No 54-0658	FEBT/FWBT		G11-4.1<CA>	44 X 18	7.5		2		PELELIU DITCH
SBd 40, Br. No 54-0659L	FWBT		G11-5<CA>	44 X 24	7.5		1		IWO JIMA STREET UNDERCROSSING
SBd 40, Br. No 54-0659R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-0660L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		WONSAN DITCH
SBd 40, Br. No 54-0660R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0662L	FWBT		G11-5<CA>	44 X 24	7.5		1		NEBO STREET UNDERCROSSING
SBd 40, Br. No 54-0662R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-0699L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		ORD DITCH
SBd 40, Br. No 54-0699R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0663	FEBT/FWBT		G11-5<CA>	44 X 24	7.5		2		A STREET OVERCROSSING
SBd 40, Br. No 54-0785L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		ROCK DITCH
SBd 40, Br. No 54-0785R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0881L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		WYE DITCH
SBd 40, Br. No 54-0881R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0882L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		FORK DITCH
SBd 40, Br. No 54-0882R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0711L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		BLOOM WASH
SBd 40, Br. No 54-0711R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0712L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		BLOSSOM WASH
SBd 40, Br. No 54-0712S	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0712R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0710	FEBT/FWBT		G11-5<CA>	44 X 24	7.5		2		FORT CADY ROAD OVERCROSSING
SBd 40, Br. No 54-0732L	FWBT		G11-5<CA>	44 X 24	7.5		1		AIRPORT ROAD UNDERCROSSING
SBd 40, Br. No 54-0732R	FEBT		G11-5<CA>	44 X 24	7.5		1		
				SHEET TOTAL			44		

* - INSTALL SIGN FOR THE TRUCKS USING THE AC PAVED SERVICE ROAD NEAR THE CUCAMONGA CREEK STRUCTURE.

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

SIGN QUANTITIES
SQ-1

LAST REVISION 03-17-14 | DATE PLOTTED => 13-MAR-2014 | TIME PLOTTED => 10:43

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 0812000315od001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

NOTE:

CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS BEFORE SIGN FABRICATION.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	40	86

REGISTERED CIVIL ENGINEER — 3-17-14 DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
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.

ROADSIDE SIGN QUANTITIES

LOCATION	DIRECTION	SIGN CODE		SIGN PANEL SIZE L X D	POST SIZE AND LENGTH		ROADSIDE SIGN	INSTALL SIGN OVERLAY	REMARKS
		FEDERAL	CALIFORNIA	INCHES	4" x 4" LF	4" x 6" LF	ONE POST EACH	SQFT	
SBd 40, Br. No 54-0713L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		AIRPORT WASH
SBd 40, Br. No 54-0713R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0714L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		LAVA WASH
SBd 40, Br. No 54-0714R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0715L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		GAS LINE WASH
SBd 40, Br. No 54-0715R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0716L	FWBT		G11-5<CA>	44 X 24	7.5		1		TWIN HILLS WASH
SBd 40, Br. No 54-0716R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-0884L	FWBT		G11-5<CA>	44 X 24	7.5		1		STRIPE MOUNTAIN DITCH
SBd 40, Br. No 54-0884R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-0717L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		CREST WASH
SBd 40, Br. No 54-0717R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0708L	FWBT		G11-5<CA>	44 X 24	7.5		1		NATIONAL TRAILS HIGHWAY UNDERCROSSING
SBd 40, Br. No 54-0708R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-0709	FEBT/FWBT		G11-5<CA>	44 X 24	7.5		2		NEWBERRY ROAD OVERCROSSING
SBd 40, Br. No 54-0718L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		LAVA DITCH
SBd 40, Br. No 54-0718R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0719L	FWBT		G11-5<CA>	44 X 24	7.5		1		HECTOR ROAD UNDERCROSSING
SBd 40, Br. No 54-0719R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-0691L	FWBT		G11-5<CA>	44 X 24	7.5		1		PISGAH CRATER ROAD UNDERCROSSING
SBd 40, Br. No 54-0691R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-0689L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		PISGAH OVERHEAD
SBd 40, Br. No 54-0689R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0690L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		RED WASH
SBd 40, Br. No 54-0690R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0734	FEBT/FWBT		G11-5<CA>	44 X 24	7.5		2		LAVIC ROAD OVERCROSSING
SBd 40, Br. No 54-0737L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		ARGOS WASH
SBd 40, Br. No 54-0737R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0736L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		SAND HILL WASH
SBd 40, Br. No 54-0736R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0079L	FWBT		G11-5<CA>	44 X 24	7.5		1		WEST LUDLOW WASH
SBd 40, Br. No 54-0079R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-0735L	FWBT		G11-5<CA>	44 X 24	7.5		1		CRUCERO ROAD UNDERCROSSING
SBd 40, Br. No 54-0735R	FEBT		G11-5<CA>	44 X 24	7.5		1		
						SHEET TOTAL	36		

REVISED BY | DATE REVISED

CHRIS HARDIMON | BEN AMIRI

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: BEN AMIRI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® DESIGN

LAST REVISION | DATE PLOTTED => 13-MAR-2014 | TIME PLOTTED => 10:44

03-17-14

SIGN QUANTITIES
SQ-2

BORDER LAST REVISED 7/2/2010

USERNAME => s110420
DGN FILE => 08120003315od002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2242 | PROJECT NUMBER & PHASE | 08120003151

NOTE:

CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS BEFORE SIGN FABRICATION.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	41	86

REGISTERED CIVIL ENGINEER — 3-17-14 DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON — No. C66092 — Exp. 06/30/14 — 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.

ROADSIDE SIGN QUANTITIES

LOCATION	DIRECTION	SIGN CODE		SIGN PANEL SIZE L X D	POST SIZE AND LENGTH		ROADSIDE SIGN	INSTALL SIGN OVERLAY	REMARKS
		FEDERAL	CALIFORNIA	INCHES	4" x 4" LF	4" x 6" LF	ONE POST EACH	SQFT	
SBd 40, Br. No 54-0085L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		TRANS DITCH
SBd 40, Br. No 54-0085R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0086	FEBT/FWBT		G11-4.1<CA>	44 X 18	7.5		2		CIRCLE DITCH
SBd 40, Br. No 54-0757L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		BROADWELL WASH
SBd 40, Br. No 54-0757R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0758L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		ASH HILL WASH
SBd 40, Br. No 54-0758R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0759L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		BISMARCK WASH
SBd 40, Br. No 54-0759R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0760L	FWBT		G11-5<CA>	44 X 24	7.5		1		BRISTOL MOUNTAIN WASH
SBd 40, Br. No 54-0760R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-1006L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		EDELWEISS DITCH
SBd 40, Br. No 54-1006R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0848R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		SIBERIA WASH
SBd 40, Br. No 54-1013L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		LEEK DITCH
SBd 40, Br. No 54-1017L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		PARSLEY DITCH
SBd 40, Br. No 54-0849L	FWBT		G11-5<CA>	44 X 24	7.5		1		ORANGE BLOSSOM WASH
SBd 40, Br. No 54-0849R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-1020	FEBT/FWBT		G11-4.1<CA>	44 X 18	7.5		2		SAGE DITCH
SBd 40, Br. No 54-0850L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		OLD DAD WASH
SBd 40, Br. No 54-0850R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0851L	FWBT		G11-4.1<CA>	44 X 18	7.5		1		BADGER WASH
SBd 40, Br. No 54-0851R	FEBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0852L	FWBT		G11-5<CA>	44 X 24	7.5		1		GRANITE MOUNTAIN WASH
SBd 40, Br. No 54-0852R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 40, Br. No 54-0853L	FWBT		G11-5<CA>	44 X 24	7.5		1		WILLOW SPRINGS WASH
SBd 40, Br. No 54-0853R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 15, Br. No 54-0551L	FSBT		G11-5<CA>	44 X 24	7.5		1		AVENUE H UNDERCROSSING
SBd 15, Br. No 54-0551R	FNBT		G11-5<CA>	44 X 24	7.5		1		
SBd 15, Br. No 54-0223L	FSBT		G11-4.1<CA>	44 X 18	7.5		1		FIELD WASH
SBd 15, Br. No 54-0223R	FNBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 15, Br. No 54-0233L	FSBT		G11-4.1<CA>	44 X 18	7.5		1		TELEPHONE WASH
SBd 15, Br. No 54-0233R	FNBT		G11-4.1<CA>	44 X 18	7.5		1		
SBd 40, Br. No 54-0885L	FWBT		G11-5<CA>	44 X 24	7.5		1		KELBAKER ROAD UNDERCROSSING
SBd 40, Br. No 54-0885R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 58, Br. No 54-1109L	FWBT		G11-5<CA>	44 X 24	7.5		1		COMMUNITY BLVD UNDERCROSSING
SBd 58, Br. No 54-1109R	FEBT		G11-5<CA>	44 X 24	7.5		1		
SBd 15, Br. No 54-0279L	FSBT		G11-4.1<CA>	44 X 18	7.5		1		BAKER INN DITCH
SBd 15, Br. No 54-0279R	FNBT		G11-4.1<CA>	44 X 18	7.5		1		
						SHEET TOTAL	41		
						GRAND TOTAL	121		

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: CHRIS HARDIMON
CHECKED BY: BEN AMIRI
FUNCTIONAL SUPERVISOR: BEN AMIRI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION: DATE PLOTTED => 13-MAR-2014, TIME PLOTTED => 10:44

SIGN QUANTITIES
SQ-3

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	42	86

REGISTERED CIVIL ENGINEER — DATE 3-17-14

PLANS APPROVAL DATE 3-17-14

REGISTERED PROFESSIONAL ENGINEER — CHRIS HARDIMON — No. C66092 — Exp. 06/30/14 — 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.

NOTE:

CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS BEFORE SIGN FABRICATION AND SIGN INSTALLATION.

SIGN PANEL MATERIAL SUMMARY

LOCATION	DIRECTION	SIGN CODE		PANEL SIZE L x D	SINGLE FACED	SIGN FACING MATERIAL					FURNISH SINGLE SHEET ALUMINUM SIGN		REMARKS
						BACKGROUND		LEGEND		PRO-TECTIVE FILM			
		FEDERAL	CALIFORNIA	INCHES		SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	PREMIUM	UNFRAMED 0.063" SQFT	UNFRAMED 0.080" SQFT	
SBd 40, Br. No 54-1175F	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		W40/S15 CONNECTOR OVERCROSSING
SBd 40, Br. No 54-0784	FEBT/FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	11.0		BLAIR DITCH
SBd 40, Br. No 54-0558L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		MONTARA ROAD UNDERCROSSING
SBd 40, Br. No 54-0558R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-0692	FEBT/FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	11.0		VICTOR DITCH
SBd 40, Br. No 54-0654L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		DEAN WASH
SBd 40, Br. No 54-0654R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0655	FEBT/FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	11.0		HOLIDAY WASH
SBd 40, Br. No 54-0693	FEBT/FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	11.0		STAPP DITCH
SBd 40, Br. No 54-0656L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		EAST MAIN STREET UNDERCROSSING
SBd 40, Br. No 54-0656R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-0657	FEBT/FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	14.6		CAPE GLOUCESTER OVERCROSSING
SBd 40, Br. No 54-0658	FEBT/FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	11.0		PELELIU DITCH
SBd 40, Br. No 54-0659L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		IWO JIMA STREET UNDERCROSSING
SBd 40, Br. No 54-0659R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-0660L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		WONSAN DITCH
SBd 40, Br. No 54-0660R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0662L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		NEBO STREET UNDERCROSSING
SBd 40, Br. No 54-0662R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-0699L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		ORD DITCH
SBd 40, Br. No 54-0699R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0663	FEBT/FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	14.6		A STREET OVERCROSSING
SBd 40, Br. No 54-0785L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		ROCK DITCH
SBd 40, Br. No 54-0785R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0881L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		WYE DITCH
SBd 40, Br. No 54-0881R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0882L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		FORK DITCH
SBd 40, Br. No 54-0882R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0711L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		BLOOM WASH
SBd 40, Br. No 54-0711R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0712L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		BLOSSOM WASH
SBd 40, Br. No 54-0712S	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0712R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0710	FEBT/FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	14.6		FORT CADY ROAD OVERCROSSING
SBd 40, Br. No 54-0732L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		AIRPORT ROAD UNDERCROSSING
SBd 40, Br. No 54-0732R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
										SHEET TOTAL	272.6		

SIGN QUANTITIES SQ-4

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: CHRIS HARDIMON

CHECKED BY: BEN AMIRI

FUNCTIONAL SUPERVISOR: BEN AMIRI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN

Caltrans

LAST REVISION | DATE PLOTTED => 13-MAR-2014 | TIME PLOTTED => 10:44 | 03-17-14

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 0812000315od004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

NOTE:
CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS BEFORE SIGN FABRICATION AND SIGN INSTALLATION.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	43	86

REGISTERED CIVIL ENGINEER — 3-17-14 DATE

CHRIS HARDIMON No. C66092 Exp. 06/30/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-17-14
PLANS APPROVAL DATE

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

SIGN PANEL MATERIAL SUMMARY

LOCATION	DIRECTION	SIGN CODE		PANEL SIZE L x D	SINGLE FACED	SIGN FACING MATERIAL					FURNISH SINGLE SHEET ALUMINUM SIGN		REMARKS
						BACKGROUND		LEGEND		PRO-TECTIVE FILM			
		FEDERAL	CALIFORNIA	INCHES		SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	PREMIUM	UNFRAMED 0.063" SQFT	UNFRAMED 0.080" SQFT	
SBd 40, Br. No 54-0713L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		AIRPORT WASH
SBd 40, Br. No 54-0713R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0714L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		LAVA WASH
SBd 40, Br. No 54-0714R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0715L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		GAS LINE WASH
SBd 40, Br. No 54-0715R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0716L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		TWIN HILLS WASH
SBd 40, Br. No 54-0716R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-0884L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		STRIPE MOUNTAIN DITCH
SBd 40, Br. No 54-0884R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-0717L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		CREST WASH
SBd 40, Br. No 54-0717R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0708L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		NATIONAL TRAILS HIGHWAY UNDERCROSSING
SBd 40, Br. No 54-0708R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-0709	FEBT/FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	14.6		NEWBERRY ROAD OVERCROSSING
SBd 40, Br. No 54-0718L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		LAVA DITCH
SBd 40, Br. No 54-0718R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0719L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		HECTOR ROAD UNDERCROSSING
SBd 40, Br. No 54-0719R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-0691L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		PISGAH CRATER ROAD UNDERCROSSING
SBd 40, Br. No 54-0691R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-0689L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		PISGAH OVERHEAD
SBd 40, Br. No 54-0689R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0690L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		RED WASH
SBd 40, Br. No 54-0690R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0734	FEBT/FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	14.6		LAVIC ROAD OVERCROSSING
SBd 40, Br. No 54-0737L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		ARGOS WASH
SBd 40, Br. No 54-0737R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0736L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		SAND HILL WASH
SBd 40, Br. No 54-0736R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0079L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		WEST LUDLOW WASH
SBd 40, Br. No 54-0079R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-0735L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		CRUCERO ROAD UNDERCROSSING
SBd 40, Br. No 54-0735R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
										SHEET TOTAL	230.4		

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

LAST REVISION DATE PLOTTED => 13-MAR-2014
03-17-14 TIME PLOTTED => 10:44

SIGN QUANTITIES
SQ-5

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 08120003315od005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2242 | PROJECT NUMBER & PHASE 08120003151

NOTE:
CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS BEFORE SIGN FABRICATION AND SIGN INSTALLATION.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	44	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHRIS HARDIMON
No. C66092
Exp. 06/30/14
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 PANEL MATERIAL SUMMARY

LOCATION	DIRECTION	SIGN CODE		PANEL SIZE L x D	SINGLE FACED	SIGN FACING MATERIAL					FURNISH SINGLE SHEET ALUMINUM SIGN		REMARKS
						BACKGROUND		LEGEND		PRO-TECTIVE FILM			
		FEDERAL	CALIFORNIA	INCHES		SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	PREMIUM	UNFRAMED 0.063" SQFT	UNFRAMED 0.080" SQFT	
SBd 40, Br. No 54-0085L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		TRANS DITCH
SBd 40, Br. No 54-0085R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0086	FEBT/FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	11.0		CIRCLE DITCH
SBd 40, Br. No 54-0757L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		BROADWELL WASH
SBd 40, Br. No 54-0757R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0758L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		ASH HILL WASH
SBd 40, Br. No 54-0758R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0759L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		BISMARCK WASH
SBd 40, Br. No 54-0759R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0760L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		BRISTOL MOUNTAIN WASH
SBd 40, Br. No 54-0760R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-1006L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		EDELWEISS DITCH
SBd 40, Br. No 54-1006R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0848R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		SIBERIA WASH
SBd 40, Br. No 54-1013L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		LEEK DITCH
SBd 40, Br. No 54-1017L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		PARSLEY DITCH
SBd 40, Br. No 54-0849L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		ORANGE BLOSSOM WASH
SBd 40, Br. No 54-0849R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-1020	FEBT/FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	11.0		SAGE DITCH
SBd 40, Br. No 54-0850L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		OLD DAD WASH
SBd 40, Br. No 54-0850R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0851L	FWBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		BADGER WASH
SBd 40, Br. No 54-0851R	FEBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0852L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		GRANITE MOUNTAIN WASH
SBd 40, Br. No 54-0852R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 40, Br. No 54-0853L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		WILLOW SPRINGS WASH
SBd 40, Br. No 54-0853R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 15, Br. No 54-0551L	FSBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		AVENUE H UNDERCROSSING
SBd 15, Br. No 54-0551R	FNBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 15, Br. No 54-0223L	FSBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		FIELD WASH
SBd 15, Br. No 54-0223R	FNBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 15, Br. No 54-0233L	FSBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		TELEPHONE WASH
SBd 15, Br. No 54-0233R	FNBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
SBd 40, Br. No 54-0885L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		KELBAKER ROAD UNDERCROSSING
SBd 40, Br. No 54-0885R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 58, Br. No 54-1109L	FWBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		COMMUNITY BLVD UNDERCROSSING
SBd 58, Br. No 54-1109R	FEBT		G11-5<CA>	44 X 24	X	WHITE	IV	BLACK		X	7.3		
SBd 15, Br. No 54-0279L	FSBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		BAKER INN DITCH
SBd 15, Br. No 54-0279R	FNBT		G11-4.1<CA>	44 X 18	X	WHITE	IV	BLACK		X	5.5		
										SHEET TOTAL	250.7		
										GRAND TOTAL	753.7		

SIGN QUANTITIES
SQ-6

REVISED BY | DATE REVISED
CHRIS HARDIMON | BEN AMIRI
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BEN AMIRI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 13-MAR-2014
03-17-14 TIME PLOTTED => 10:44

BORDER LAST REVISED 7/2/2010
USERNAME => s110420
DGN FILE => 08120003150d006.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2242
PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	45	86

REGISTERED CIVIL ENGINEER — 3-17-14 DATE

PLANS APPROVAL DATE — 3-17-14

REGISTERED PROFESSIONAL ENGINEER
PHILLIP T. PHAN
No. C76425
Exp. 12/31/14
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. PAINT BRIDGE ID ON THE CONCRETE BRIDGE RAIL.
2. PAINT BRIDGE ID ON THE COLUMN.
3. CORRECT BRIDGE ID ON THE WESTBOUND POST SIGN.

PAINT BRIDGE ID QUANTITIES TABLE

Rte	POST MILE	Br. No.	STRUCTURE NAME	WORK DESCRIPTION	UNIT	QUANTITY
40 W	0.01	54 1175L	W40 / I-15 SEPARATION	1	EA	1
40 E	R1.600	54 0654R	DEAN WASH	1	EA	1
40 W	R1.600	54 0654L	DEAN WASH	1	EA	1
40 E	R2.350	54 0656R	EAST MAIN STREET UC	1	EA	1
40 W	R2.350	54 0656L	EAST MAIN STREET UC	1	EA	1
40 E	R3.430	54 0659R	IWO JIMA STREET UC	1	EA	1
40 W	R3.430	54 0659L	IWO JIMA STREET UC	1	EA	1
40 W	R4.710	54 0662L	NEBO STREET UC	1	EA	1
40 E	R12.000	54 0712S	BLOSSOM WASH	1	EA	1
40 E	R12.000	54 0712R	BLOSSOM WASH	1	EA	1
40 W	R12.000	54 0712L	BLOSSOM WASH	1	EA	1
40 E	R13.550	54 0713R	AIRPORT WASH	1	EA	1
40 W	R13.550	54 0713L	AIRPORT WASH	1	EA	1
40 E	R14.610	54 0714R	LAVA WASH	1	EA	1
40 W	R14.610	54 0714L	LAVA WASH	1	EA	1
40 E	R15.410	54 0715R	GAS LINE WASH	1	EA	1
40 W	R15.410	54 0715L	GAS LINE WASH	1	EA	1
40 E	R15.920	54 0716R	TWIN HILLS WASH	1	EA	1
40 W	R15.920	54 0716L	TWIN HILLS WASH	1	EA	1
40 E	R18.030	54 0717R	CREST WASH	1	EA	1
40 W	R18.030	54 0717L	CREST WASH	1	EA	1
40 W	R18.430	54 0708L	NATIONAL TRAILS HIGHWAY UC	1	EA	1
40 E	R18.430	54 0708R	NATIONAL TRAILS HIGHWAY UC	1	EA	1
40	R20.270	54 0709	NEWBERRY ROAD OC	1 & 2	EA	4
40	R23.330	54 0710	FORT CADY ROAD OC	1	EA	2
40 E	R31.420	54 0718R	LAVA DITCH	1	EA	1
40 W	R31.420	54 0718L	LAVA DITCH	1	EA	1
40 W	R32.500	54 0719L	HECTOR ROAD UC	1	EA	1
40 E	R32.500	54 0719R	HECTOR ROAD UC	1	EA	1
40 W	R37.270	54 0691R	PISGAH CRATER ROAD UC	1	EA	1
40 E	R37.270	54 0691L	PISGAH CRATER ROAD UC	1	EA	1
40 W	R37.410	54 0689L	PISGAH OVERHEAD	1	EA	1
40 E	R37.440	54 0689R	PISGAH OVERHEAD	1	EA	1
40 E	R39.000	54 0690R	RED WASH	1	EA	1
40 W	R39.000	54 0690L	RED WASH	1	EA	1
40 E	R43.840	54 0737R	ARGOS WASH	1	EA	1
40 W	R43.840	54 0737L	ARGOS WASH	1	EA	1
40 E	R49.040	54 0736R	SAND HILL WASH	1	EA	1
40 W	R49.040	54 0736L	SAND HILL WASH	1	EA	1
40 E	R78.170	54 0885R	KELBAKER ROAD UC	1	EA	1
40 W	R85.190	54 0903L	VAN WINKLE WASH	1	EA	1
40 E	R85.210	54 0903R	VAN WINKLE WASH	1	EA	1
40 E	R93.600	54 0889R	HOFF WASH	1	EA	1
40 W	R93.650	54 0889L	HOFF WASH	1	EA	1
40 W	R95.140	54 0891L	HALLER WASH	1	EA	1
40 E	R98.270	54 0894R	ROJO WASH	1	EA	1
40 W	R98.300	54 0894L	ROJO WASH	1	EA	1
40 W	R99.090	54 0895L	CLIPPER VALLEY WASH	1	EA	1
40 E	R99.140	54 0895R	CLIPPER VALLEY WASH	1	EA	1

PAINT BRIDGE ID QUANTITIES TABLE

Rte	POST MILE	Br. No.	STRUCTURE NAME	WORK DESCRIPTION	UNIT	QUANTITY
40 W	R100.450	54 0798L	BLIND HILLS WASH	1	EA	1
40 E	R100.480	54 0798R	BLIND HILLS WASH	1	EA	1
40 W	R102.180	54 0801L	BLACK CANYON WASH	1	EA	1
40 E	R102.180	54 0801R	BLACK CANYON WASH	1	EA	1
40 E	R107.170	54 0807R	GOFFS ROAD UC	1	EA	1
40 E	R107.170	54 0807L	GOFFS ROAD UC	1	EA	1
40	R119.980	54 0856	WATER ROAD OC	1 & 2	EA	4
40 W	R139.230	54 0703L	COYOTE WASH	1	EA	1
40 W	R143.110	54 1033	NEEDLES FLOOD CONTROL CHANNEL	3	EA	1
15 N	70.1	54 1114R	I-15 / SR-58 SEPARATION	1	EA	1
15	74.15	54 1174	MURIEL DRIVE OC	1	EA	2
15 N	R81.830	54 0627R	GHOST TOWN ROAD UC	1	EA	1
15 S	R81.830	54 0627L	GHOST TOWN ROAD UC	1	EA	1
15 S	R123.090	54 0247L	TONO DITCH	1	EA	1
15 N	R123.110	54 0247R	TONO DITCH	1	EA	1
15 S	R126.860	54 0251L	OPAH DITCH	1	EA	1
15 N	R126.860	54 0251R	OPAH DITCH	1	EA	1
15 S	R130.580	54 0270L	OAT DITCH	1	EA	1
15 N	R130.590	54 0270R	OAT DITCH	1	EA	1
15 N	R135.810	54 0609S	WEST BAKER OFF-RAMP OC	1	EA	1
15 N	142.26	54 1268R	HACK WASH	1	EA	1
58 E	R33.100	54 1111R	AGATE ROAD UC	1	EA	1
58 W	R33.100	54 1111L	AGATE ROAD UC	1	EA	1
					TOTAL	80

SUMMARY OF QUANTITIES
Q-1

REVISED BY | DATE REVISED
PHILLIP T. PHAN | MICHAEL RISTIC
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: KEVIN CHEN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

LAST REVISION: DATE PLOTTED => 13-MAR-2014 TIME PLOTTED => 10:44
03-17-14

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 0812000315pa001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2343 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	46	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

PHILLIP T. PHAN No. C76425 Exp.12/31/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-17-14
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.

INSTALL G-11 QUANTITIES TABLE

Rte	POST MILE	Br. No.	STRUCTURE NAME	UNIT	QUANTITY
40 W	_000.01	54 1175L	W40 / I-15 SEPARATION	EA	1
40	_000.46	54 0784	BLAIR DITCH	EA	2
40 W	_000.79	54 0558L	MONTARA ROAD UC	EA	1
40 E	_000.79	54 0558R	MONTARA ROAD UC	EA	1
40	R001.25	54 0692	VICTOR DITCH	EA	2
40 E	R001.60	54 0654L	DEAN WASH	EA	1
40 W	R001.60	54 0654R	DEAN WASH	EA	1
40	R002.08	54 0655	HOLIDAY WASH	EA	2
40	R002.32	54 0693	STAPP DITCH	EA	2
40 E	R002.35	54 0656L	EAST MAIN STREET UC	EA	1
40 W	R002.35	54 0656R	EAST MAIN STREET UC	EA	1
40	R002.67	54 0657	CAPE GLOUCESTER OC	EA	1
40	R003.25	54 0658	PELELIU DITCH	EA	2
40 W	R003.43	54 0659L	IWO JIMA STREET UC	EA	1
40 E	R003.43	54 0659R	IWO JIMA STREET UC	EA	1
40 W	R003.81	54 0660L	WONSAN DITCH	EA	1
40 E	R003.81	54 0660R	WONSAN DITCH	EA	1
40 W	R004.71	54 0662L	NEBO STREET UC	EA	1
40 E	R004.71	54 0662R	NEBO STREET UC	EA	1
40 W	R006.94	54 0699L	ORD DITCH	EA	1
40 E	R006.94	54 0699R	ORD DITCH	EA	1
40	R007.18	54 0663	A STREET OC	EA	2
40 W	R007.40	54 0785L	ROCK DITCH	EA	1
40 E	R007.40	54 0785R	ROCK DITCH	EA	1
40 W	R010.30	54 0881L	WYE DITCH	EA	1
40 E	R010.30	54 0881R	WYE DITCH	EA	1
40 W	R011.10	54 0882L	FORK DITCH	EA	1
40 E	R011.10	54 0882R	FORK DITCH	EA	1
40 W	R011.45	54 0711L	BLOOM WASH	EA	1
40 E	R011.45	54 0711R	BLOOM WASH	EA	1
40 W	R012.00	54 0712L	BLOSSOM WASH	EA	1
40 E	R012.00	54 0712R	BLOSSOM WASH	EA	1
40 E	R012.00	54 0712S	BLOSSOM WASH	EA	1
40 W	R012.19	54 0732L	AIRPORT ROAD UC	EA	1
40 E	R012.19	54 0732R	AIRPORT ROAD UC	EA	1
40 W	R013.55	54 0713L	AIRPORT WASH	EA	1
40 E	R013.55	54 0713R	AIRPORT WASH	EA	1
40 W	R014.61	54 0714L	LAVA WASH	EA	1
40 E	R014.61	54 0714R	LAVA WASH	EA	1
40 W	R015.41	54 0715L	GAS LINE WASH	EA	1
40 E	R015.41	54 0715R	GAS LINE WASH	EA	1
40 W	R015.92	54 0716L	TWIN HILLS WASH	EA	1
40 E	R015.92	54 0716R	TWIN HILLS WASH	EA	1
40 W	R017.10	54 0884L	STRIPE MOUNTAIN DITCH	EA	1
40 E	R017.10	54 0884R	STRIPE MOUNTAIN DITCH	EA	1
40 W	R018.03	54 0717L	CREST WASH	EA	1
40 E	R018.03	54 0717R	CREST WASH	EA	1
40 W	R018.43	54 0708L	NATIONAL TRAILS HIGHWAY UC	EA	1
40 E	R018.43	54 0708R	NATIONAL TRAILS HIGHWAY UC	EA	1
40	R020.27	54 0709	NEWBERRY ROAD OC	EA	2
40	R023.33	54 0710	FORT CADY ROAD OC	EA	2
40 W	R031.42	54 0718L	LAVA DITCH	EA	1
40 E	R031.42	54 0718R	LAVA DITCH	EA	1
40 W	R032.50	54 0719L	HECTOR ROAD UC	EA	1
40 E	R032.50	54 0719R	HECTOR ROAD UC	EA	1
40 W	R037.27	54 0691L	PISGAH CRATER ROAD UC	EA	1
40 E	R037.27	54 0691R	PISGAH CRATER ROAD UC	EA	1

INSTALL G-11 QUANTITIES TABLE

Rte	POST MILE	Br. No.	STRUCTURE NAME	UNIT	QUANTITY
40 W	R037.41	54 0689L	PISGAH OVERHEAD	EA	1
40 E	R037.44	54 0689R	PISGAH OVERHEAD	EA	1
40 W	R039.00	54 0690L	RED WASH	EA	1
40 E	R039.00	54 0690R	RED WASH	EA	1
40	R041.91	54 0734	LAVIC ROAD OC	EA	2
40 W	R043.84	54 0737L	ARGOS WASH	EA	1
40 E	R043.84	54 0737R	ARGOS WASH	EA	1
40 W	R049.04	54 0736L	SAND HILL WASH	EA	1
40 E	R049.04	54 0736R	SAND HILL WASH	EA	1
40 W	R049.71	54 0079L	WEST LUDLOW WASH	EA	1
40 E	R049.71	54 0079R	WEST LUDLOW WASH	EA	1
40 W	R049.98	54 0735L	CRUCERO ROAD UC	EA	1
40 E	R049.98	54 0735R	CRUCERO ROAD UC	EA	1
40 W	R051.87	54 0085L	TRANS DITCH	EA	1
40 E	R051.87	54 0085R	TRANS DITCH	EA	1
40	R052.12	54 0086	CIRCLE DITCH	EA	1
40 W	R054.09	54 0757L	BROADWELL WASH	EA	1
40 E	R054.09	54 0757R	BROADWELL WASH	EA	1
40 W	R054.75	54 0758L	ASH HILL WASH	EA	1
40 E	R054.77	54 0758R	ASH HILL WASH	EA	1
40 W	R057.61	54 0759L	BISMARCK WASH	EA	1
40 E	R057.63	54 0759R	BISMARCK WASH	EA	1
40 W	R058.97	54 0760L	BRISTOL MOUNTAIN WASH	EA	1
40 E	R058.98	54 0760R	BRISTOL MOUNTAIN WASH	EA	1
40 W	R060.80	54 1006L	EDELWEISS DITCH	EA	1
40 E	R060.80	54 1006R	EDELWEISS DITCH	EA	1
40 E	R065.59	54 0848R	SIBERIA WASH	EA	1
40 W	R065.80	54 1013L	LEEK DITCH	EA	1
40 W	R071.10	54 1017L	PARSLEY DITCH	EA	1
40 W	R071.75	54 0849L	ORANGE BLOSSOM WASH	EA	1
40 E	R071.75	54 0849R	ORANGE BLOSSOM WASH	EA	1
40	R073.10	54 1020	SAGE DITCH	EA	2
40 W	R074.51	54 0850L	OLD DAD WASH	EA	1
40 E	R074.51	54 0850R	OLD DAD WASH	EA	1
40 W	R075.50	54 0851L	BADGER WASH	EA	1
40 E	R075.50	54 0851R	BADGER WASH	EA	1
40 W	R076.50	54 0852L	GRANITE MOUNTAIN WASH	EA	1
40 E	R076.50	54 0852R	GRANITE MOUNTAIN WASH	EA	1
40 E	R077.37	54 0853R	WILLOW SPRINGS WASH	EA	1
40 W	R077.39	54 0853L	WILLOW SPRINGS WASH	EA	1
40 W	R078.17	54 0885L	KELBAKER ROAD UC	EA	1
40 E	R078.17	54 0885R	KELBAKER ROAD UC	EA	1
15 S	72.13	54 0551L	AVENUE H UC	EA	1
15 S	R104.770	54 0223L	FIELD WASH	EA	1
15 S	R110.360	54 0233L	TELEPHONE WASH	EA	1
15 N	R110.360	54 0233R	TELEPHONE WASH	EA	1
15 N	R136.950	54 0279R	BAKER INN DITCH	EA	1
58 E	R31.950	54 1109R	COMMUNITY BLVD UC	EA	1
				TOTAL	115

SUMMARY OF QUANTITIES

Q-2

REVISED BY | DATE REVISED
PHILLIP T. PHAN | MICHAEL RISTIC
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | KEVIN CHEN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

LAST REVISION | DATE PLOTTED => 13-MAR-2014
03-17-14 | TIME PLOTTED => 10:44

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 0812000315pa002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2343 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	47	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

PHILLIP T. PHAN No. C76425 Exp.12/31/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-17-14
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.

SLURRY SEAL QUANTITIES

LOCATION/RAMP	PM	DIRECTION	ON/OFF	AREA (SQ YDS)	SLURRY SEAL (TONS)
E MAIN St	75.059	15 SB	OFF	5050	63
Minneola Rd	R88.293	15 SB	ON	3920	49
Minneola Rd	R88.700	15 SB	OFF	3550	44
HAVARD Rd	R96.115	15 NB	OFF	4180	52
HAVARD Rd	R96.229	15 SB	ON	4800	60
HAVARD Rd	R96.702	15 SB	OFF	4400	55
HAVARD Rd	R96.558	15 NB	ON	4800	60
FIELD Rd	R103.462	15 NB	OFF	3700	46
FIELD Rd	R103.472	15 SB	ON	3200	40
FIELD Rd	R103.803	15 SB	OFF	3700	46
FIELD Rd	R103.794	15 NB	ON	2940	37
AFTON Rd	R111.411	15 NB	OFF	3300	41
AFTON Rd	R111.404	15 SB	ON	3300	41
AFTON Rd	R111.776	15 SB	OFF	3300	41
AFTON Rd	R111.779	15 NB	ON	3300	41
BASIN Rd	R120.260	15 NB	OFF	3450	43
BASIN Rd	R120.194	15 SB	ON	3450	43
BASIN Rd	R120.620	15 SB	OFF	3450	43
BASIN Rd	R120.599	15 NB	ON	3450	43
MONTARA Rd	0.643	40 EB	OFF	3450	43
MONTARA Rd	0.769	40 EB	ON	2400	30
MONTARA Rd	0.930	40 WB	OFF	4400	55
MONTARA Rd	0.642	40 WB	ON	2700	34
E.MAIN St/National Trails	R2.115	40 EB	OFF	4400	55
E.MAIN St/National Trails	R2.531	40 EB	ON	3450	43
E.MAIN St/National Trails	R2.561	40 WB	OFF	2700	34
E.MAIN St/National Trails	R2.103	40 WB	ON	5900	74
TOTAL				100640	1256

GATE QUANTITIES

Rte	POST MILE	Br. No.	STRUCTURE NAME	4' CHAIN LINK GATE (TYPE CL-4)	
				LOCATION	EA
040	R142.970	54 0815	D STREET OC	East direction, adjacent to the foot of the slope.	1
040	R143.110	54 1033	NEEDLES FLOOD CONTROL CHANNEL	East & West direction, adjacent to the headwall of the culvert.	2
TOTAL					3

FOG SEAL QUANTITIES

ROUTE	POST MILE		SEGMENT LENGTH (MI)	SOUTHBOUND WIDTHS (FT)		NORTHBOUND WIDTHS (FT)		AREA TO FOG SEAL (SQYD)	ASPHALT EMULSION (FOG SEAL COAT) (TONS)
	FROM	TO		OUTSIDE SHOULDER	INSIDE SHOULDER	INSIDE SHOULDER	OUTSIDE SHOULDER		
15	70.14	74.50	4.36	10	10	10	10	102315	34
15	74.50	76.50	2.00	10	5	5	10	35200	12
15	76.50	80.80	4.30	10	10	5	10	88293	29
15	80.80	115.50	34.70	10	5	5	10	610720	204
15	115.50	119.00	3.50	10	10	5	10	71867	24
15	119.00	124.20	5.20	10	5	5	10	91520	31
58	12.90	22.40	9.50	10	5	5	10	167200	56
58	31.20	34.70	3.50	10	5	5	10	61600	21
								TOTAL	411

SUMMARY OF QUANTITIES
Q-3

REVISED BY | DATE REVISED
PHILLIP T. PHAN | MICHAEL RISTIC
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: KEVIN CHEN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

LAST REVISION | DATE PLOTTED => 13-MAR-2014
03-17-14 | TIME PLOTTED => 10:44

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 08120003151pa003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2343 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	48	86

3-17-14
REGISTERED CIVIL ENGINEER DATE

PHILLIP T. PHAN No. C76425 Exp. 12/31/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-17-14
PLANS APPROVAL DATE

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MIDWEST GUARDRAIL SYSTEM QUANTITIES

ROUTE	PM	BRIDGE NAME AND NUMBER	DIRECTION	MGS LAYOUT TYPE	LOCATION	REMOVE GUARDRAIL (FT)	MGS (WOOD POST) (FT)	ALTERNATIVE IN-LINE TERMINAL SYSTEM (EA)	TRANSITION RAILING (TYPE WB-31) (EA)	END CAP (TYPE TC)	MINOR CONCRETE (MINOR STRUCTURE) (CY)	BRIDGE RAIL TYPE (N)	REMOVE AC DIKE) (LF)	PLACE HMA DIKE (TYPE F) (LF)
127	L0.0	ROUTE 127/15 SEPARATION 54-0610	NB	12A	APPROACH	100	25	1	1	1	11	Type 2	100	100
				12A	DEPARTURE	50	25	1	1	1	11	Type 2	100	100
			SB	12A	APPROACH	100	25	1	1	1	11	Type 2	100	100
				12A	DEPARTURE	75	25	1	1	1	11	Type 2	100	100
					TOTAL	325	100	4	4	4	44		400	400

PAVEMENT QUANTITIES

LOCATION	COLD PLANE ASPHALT CONCRETE PAVEMENT (SQYD)	HMA TYPE A (TON)	TACK COAT (TON)
ROUTE 127	4600	1120	2
YERMO INSPECTION STATION	9200	1910	3
AC DIKES		8	
TOTAL	13800	3108	5

SUMMARY OF QUANTITIES
Q-4

REVISED BY | DATE REVISED
PHILLIP T. PHAN | MICHAEL RISTIC
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: KEVIN CHEN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

LAST REVISION 03-17-14 | DATE PLOTTED => 13-MAR-2014 | TIME PLOTTED => 10:44

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 0812000315pa004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2343 | PROJECT NUMBER & PHASE 08120003151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	49	86

Ferdinand de la Cruz 3-17-14
REGISTERED ELECTRICAL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
FERDINAND DE LA CRUZ
No. 17215
Exp. 6-30-14
ELECTRICAL
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: SHEETS E-1 AND E-2

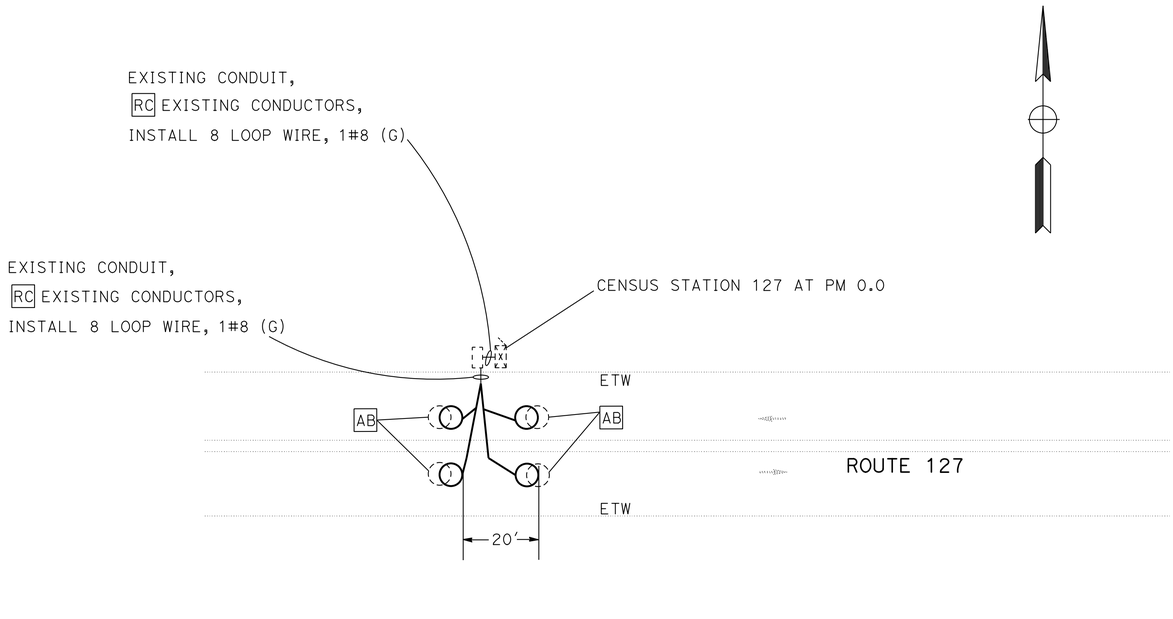
1. THE CONTRACTOR MUST CONTACT THE ENGINEER THREE WORKING DAYS PRIOR TO INSTALLING DETECTOR LOOPS.

2. COIL 10′ OF EACH LOOP WIRE IN THE CABINET.

3. LABEL CONDUCTOR ENDS AS PER ES-13B.

4. CONTRACTOR MUST COORDINATE WITH TRAFFIC OPERATIONS AT (909) 383-5947 TO VERIFY LOOP DETECTOR'S OPERATION.

5. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



APPROVED FOR ELECTRICAL WORK ONLY

INDUCTIVE LOOP DETECTOR

NO SCALE

E-1

REVISED BY | DATE REVISED
LUIS PENALOZA, JR. | FERDINAND DE LA CRUZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: FERDINAND DE LA CRUZ

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN B

LAST REVISION | DATE PLOTTED => 13-MAR-2014 | TIME PLOTTED => 10:44
03-17-14

BORDER LAST REVISED 7/2/2010 | USERNAME => s110420 | DGN FILE => 0812000315ua001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2292 | PROJECT NUMBER & PHASE 08120003151

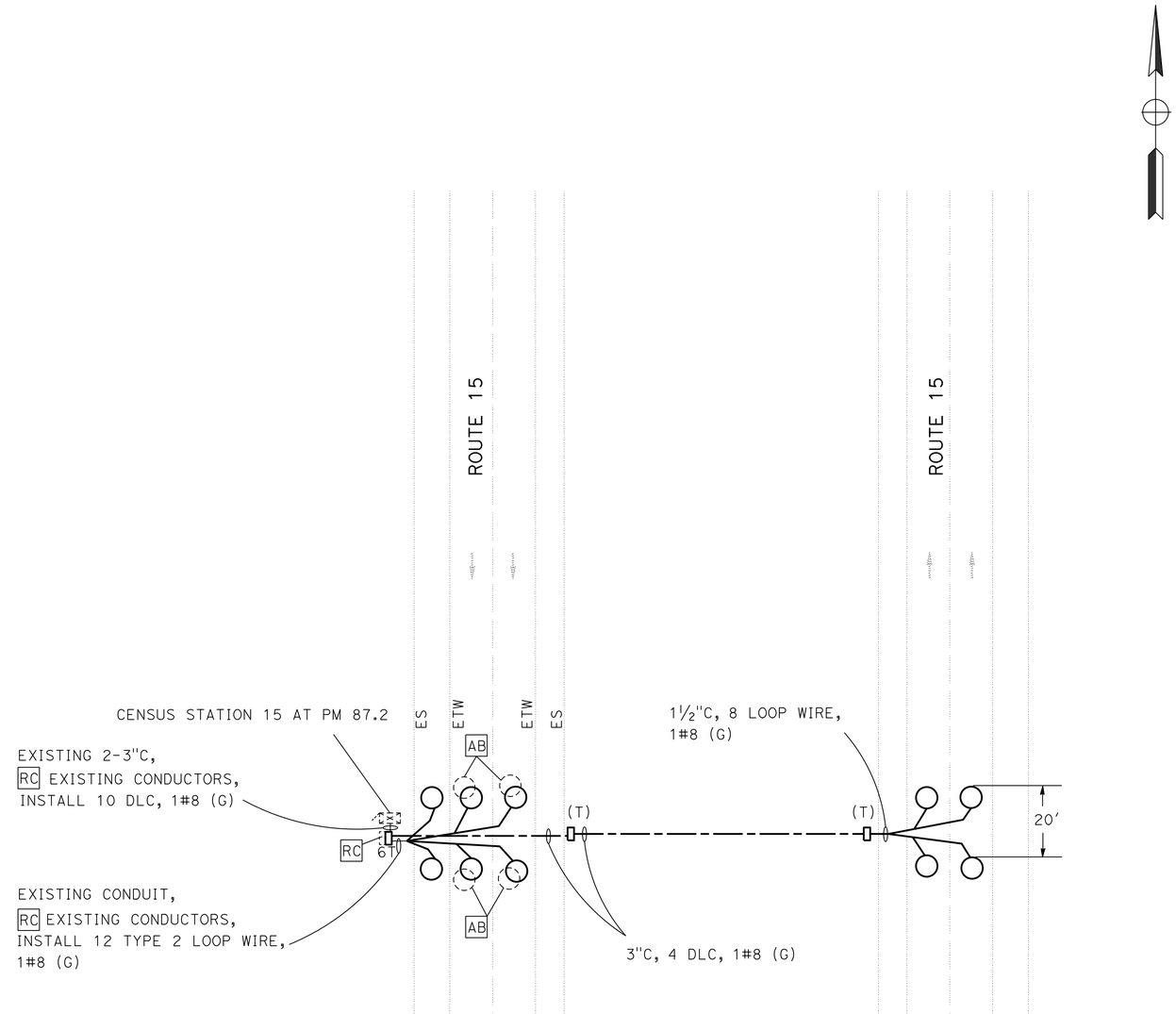
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	50	86

REGISTERED ELECTRICAL ENGINEER 3-17-14 DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER FERDINAND DE LA CRUZ No. 17215 Exp. 6-30-14 ELECTRICAL 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.



APPROVED FOR ELECTRICAL WORK ONLY

MODIFY TRAFFIC MONITORING STATION

NO SCALE

E-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN B

FUNCTIONAL SUPERVISOR: FERDINAND DE LA CRUZ
CALCULATED-DESIGNED BY: LUIS PENALOZA, JR.
CHECKED BY: FERDINAND DE LA CRUZ
REVISED BY
DATE REVISED

LAST REVISION 03-17-14
DATE PLOTTED => 13-MAR-2014
TIME PLOTTED => 10:44

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	51	86

3-17-14
REGISTERED ELECTRICAL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
FERDINAND DE LA CRUZ
No. 17215
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

3-17-14
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.

MODIFY TRAFFIC MONITORING STATION (COUNT)

SHEET No.	INDUCTIVE LOOPS TYPE E (N)
	EA
E-1	4

(N) = NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

INDUCTIVE LOOP DETECTOR

SHEET No.	INDUCTIVE LOOPS TYPE E (N)	3" CONDUIT PVC, TYPE 3 SCHEDULE 80 (N)	DLC CABLE (N)	PULLBOX NO.6(T) (N)	PULLBOX NO.5(T) (N)
	EA	LF	LF	EA	EA
E-2	10	200	860	1	2

(N) = NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

APPROVED FOR ELECTRICAL WORK ONLY

ELECTRICAL QUANTITIES
E-3

CALCULATED-DESIGNED BY	LUIS PENALOZA, JR.	REVISED BY	
CHECKED BY	FERDINAND DE LA CRUZ	DATE REVISED	
FUNCTIONAL SUPERVISOR	FERDINAND DE LA CRUZ		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN B

LAST REVISION 03-17-14
DATE PLOTTED => 13-MAR-2014
TIME PLOTTED => 10:44

BORDER LAST REVISED 7/2/2010
USERNAME => s110420
DGN FILE => 08120003151ua003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2292
PROJECT NUMBER & PHASE 08120003151

M

Maint	MAINTENANCE
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
Min	MINIMUM
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
Mod	MODIFIED, MODIFY
Mon	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MR	MOVEMENT RATING
MSE	MECHANICALLY STABILIZED EMBANKMENT
Mt	MOUNTAIN, MOUNT
Mtl	MATERIAL
MVP	MAINTENANCE VEHICLE PULLOUT

N

N	NORTH
NB	NORTHBOUND
No.	NUMBER (MUST HAVE PERIOD)
Nos.	NUMBERS (MUST HAVE PERIOD)
NPS	NOMINAL PIPE SIZE
NS	NEAR SIDE
NSP	NEW STANDARD PLAN
NTS	NOT TO SCALE

O

Oblr	OBLITERATE
OC	OVERCROSSING
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OGFC	OPEN GRADED FRICTION COURSE
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
O-O	OUT TO OUT
Opp	OPPOSITE
OSD	OVERSIDE DRAIN

P

P	PAGE
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX
PC	POINT OF CURVATURE, PRECAST
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PEC	PERMIT TO ENTER AND CONSTRUCT
Ped	PEDESTRIAN
Ped OC	PEDESTRIAN OVERCROSSING
Ped UC	PEDESTRIAN UNDERCROSSING
Perm Mtl	PERMEABLE MATERIAL

P continued

PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkwy	PARKWAY
℄,PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POC	POINT OF HORIZONTAL CURVE
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT

Q

Qty	QUANTITY

R

R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
Rd	ROAD
Reinf	REINFORCED, REINFORCEMENT, REINFORCING
Rel	RELOCATE
Repl	REPLACEMENT
Ret	RETAINING
Rev	REVISED, REVISION
Rdwy	ROADWAY
RHMA	RUBBERIZED HOT MIX ASPHALT
Riv	RIVER
RM	ROAD-MIXED
RP	RADIUS POINT, REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN
Rt	RIGHT
Rte	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT OF WAY
Rwy	RAILWAY

S

S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
Salv	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SAND CUSHION
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
Sec	SECOND, SECTION
Sep	SEPARATION
SG	SUBGRADE
Shld	SHOULDER
Sht	SHEET
Sim	SIMILAR
℄	STATION LINE
SM	SELECTED MATERIAL
Spec	SPECIAL, SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SS	SLOPE STAKE
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
St	STREET
Sta	STATION
STBB	SINGLE THRIE BEAM BARRIER
Std	STANDARD
Str	STRUCTURE
Surf	SURFACING
SW	SIDEWALK, SOUND WALL
Swr	SEWER
Sym	SYMMETRICAL
S4S	SURFACE 4 SIDES

T

T	SEMI-TANGENT
Tan	TANGENT
TBB	THRIE BEAM BARRIER
Tbr	TIMBER
TC	TOP OF CURB
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
Tel	TELEPHONE
Temp	TEMPORARY
TG	TOP OF GRADE
Tot	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
Trans	TRANSITION

T continued

TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL
Typ	TYPICAL

U

UC	UNDERCROSSING
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS

V

V	VALVE, DESIGN SPEED
Var	VARIABLE, VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Vert	VERTICAL
Via	VIADUCT
Vol	VOLUME

W

W	WEST, WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
Wt	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE

X

X Sec	CROSS SECTION
Xing	CROSSING

Y

Yr	YEAR
Yrs	YEARS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	52	86

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Grace M. Tsushima — No. C49814 — Exp. 9-30-14 — 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.

TO ACCOMPANY PLANS DATED 3-17-14

UNIT OF MEASUREMENT SYMBOLS:

Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft^3, pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
ø	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kip	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ABBREVIATIONS (SHEET 2 OF 2)

NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A10B

2010 REVISED STANDARD PLAN RSP A10B

6-7-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	53	86

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

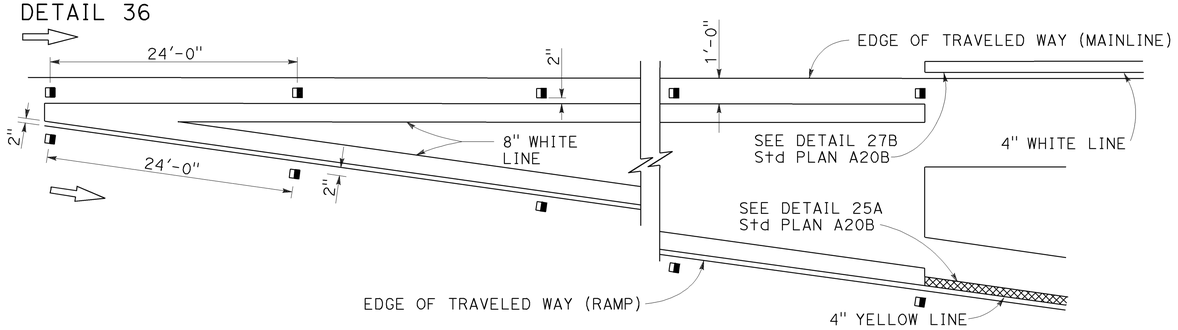
REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-15
CIVIL
STATE OF CALIFORNIA

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.

TO ACCOMPANY PLANS DATED 3-17-14

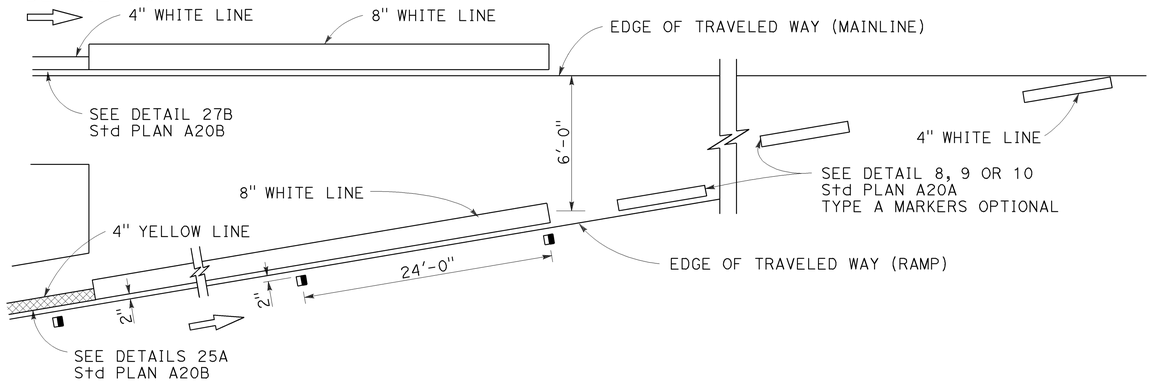
EXIT RAMP NEUTRAL AREA (GORE) TREATMENT

DETAIL 36



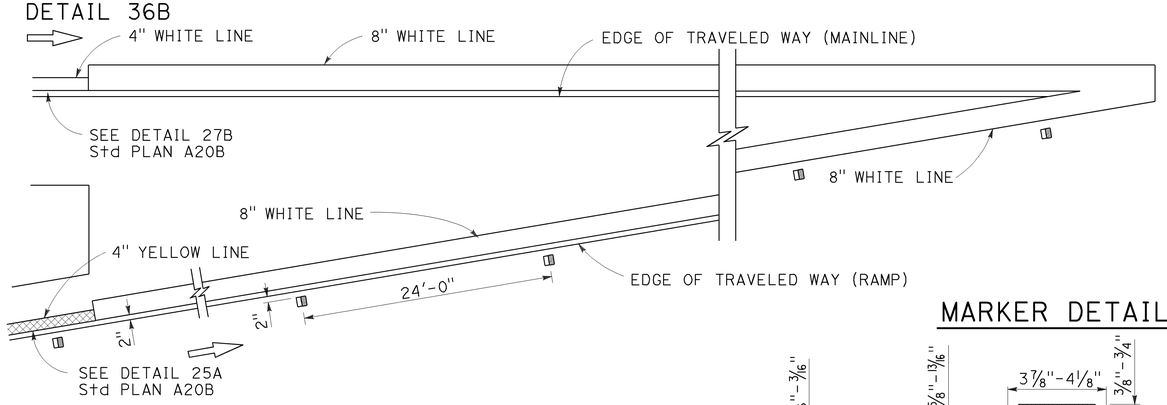
ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT

DETAIL 36A



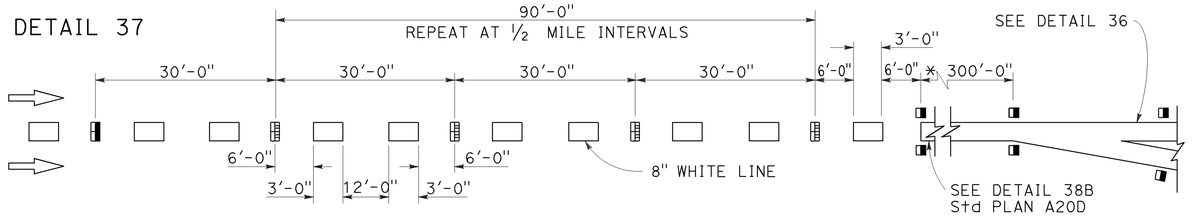
ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT

DETAIL 36B

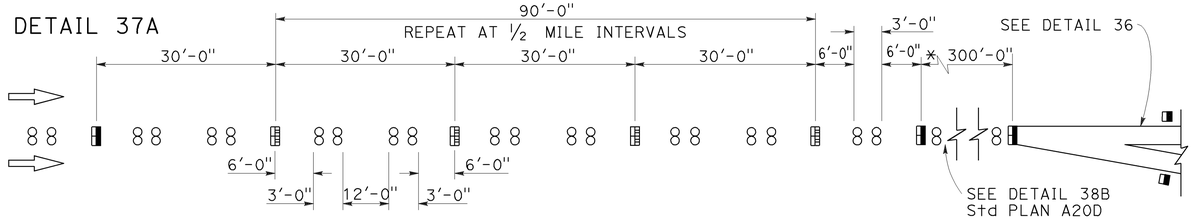


LANE DROP AT EXIT RAMPS

DETAIL 37



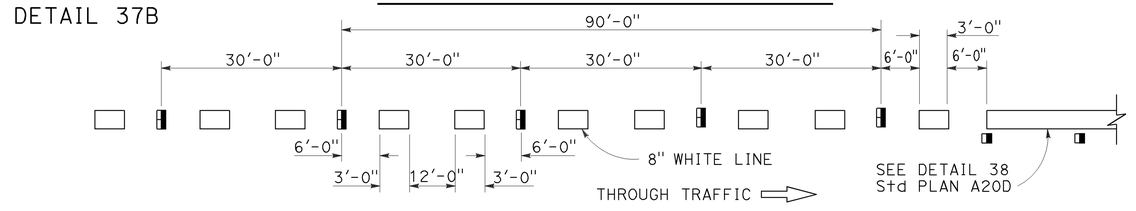
DETAIL 37A



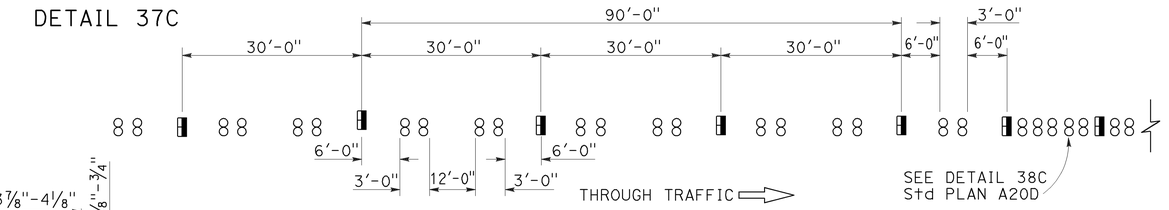
* The solid channelizing line shown may be omitted on short auxiliary lanes where weaving length is critical.

LANE DROP AT INTERSECTIONS

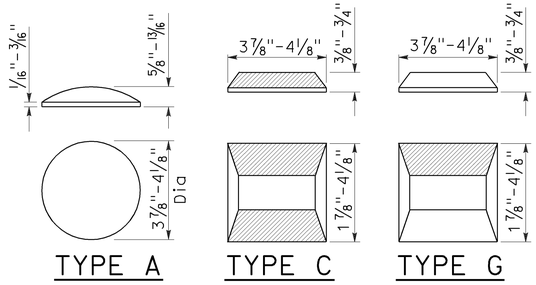
DETAIL 37B



DETAIL 37C



MARKER DETAILS



LEGEND:

MARKERS

- ○ TYPE A WHITE NON-REFLECTIVE
- ▣ TYPE C RED-CLEAR RETROREFLECTIVE
- ◨ TYPE G ONE-WAY CLEAR RETROREFLECTIVE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINE TYPICAL DETAILS

NO SCALE

RSP A20C DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A20C
DATED MAY 20, 2011 - PAGE 11 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A20C

2010 REVISED STANDARD PLAN RSP A20C

4-29-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	54	86

REGISTERED CIVIL ENGINEER

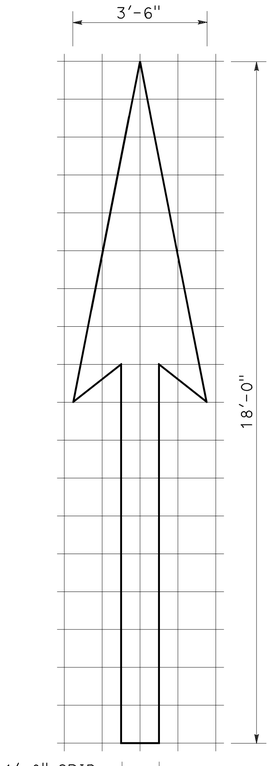
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

April 20, 2012
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.

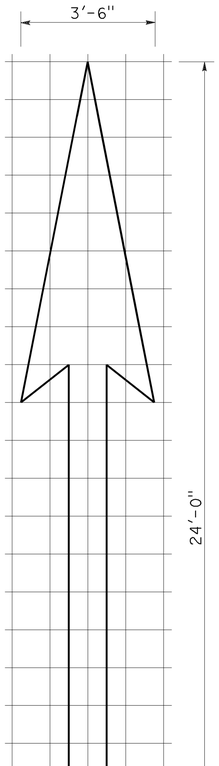
TO ACCOMPANY PLANS DATED 3-17-14

2010 REVISED STANDARD PLAN RSP A24A



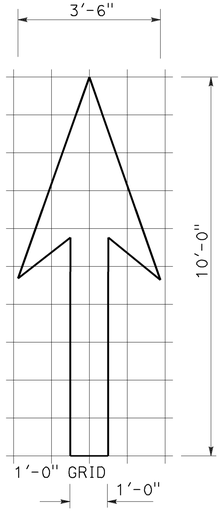
A=25 ft²

TYPE I 18'-0" ARROW



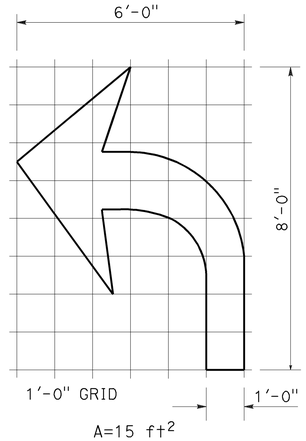
A=31 ft²

TYPE I 24'-0" ARROW



A=14 ft²

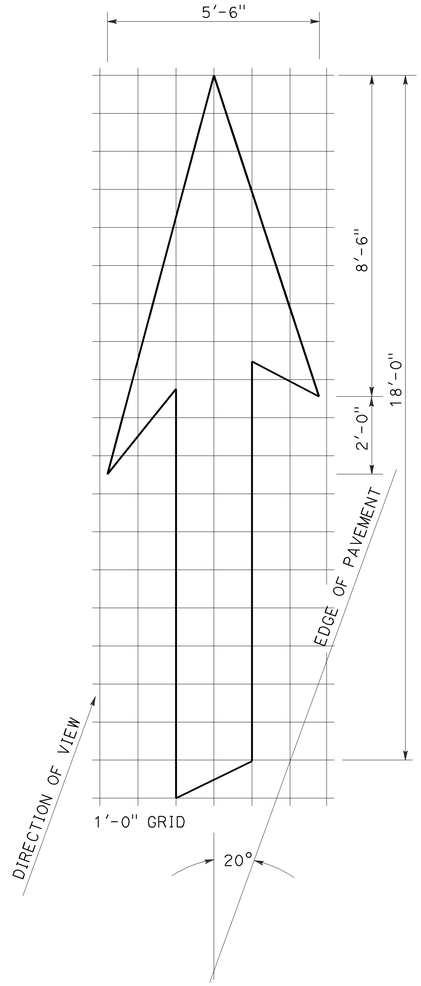
TYPE I 10'-0" ARROW



A=15 ft²

TYPE IV (L) ARROW

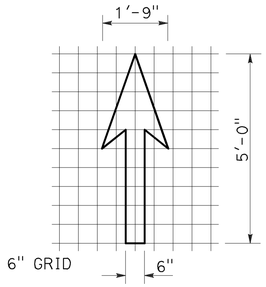
(For Type IV (R) arrow, use mirror image)



A=42 ft²

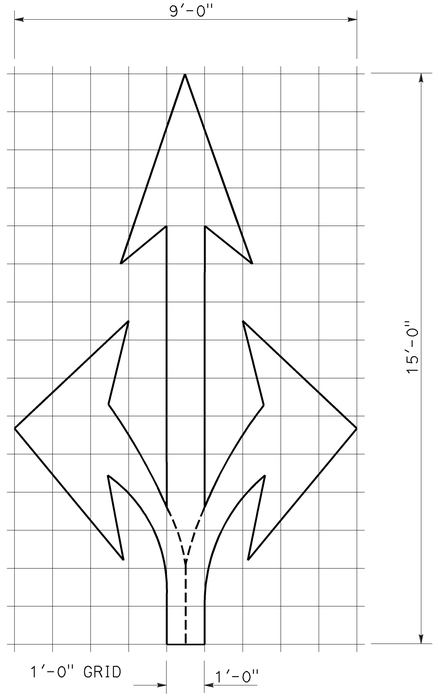
TYPE VI ARROW

Right lane drop arrow (For left lane, use mirror image)



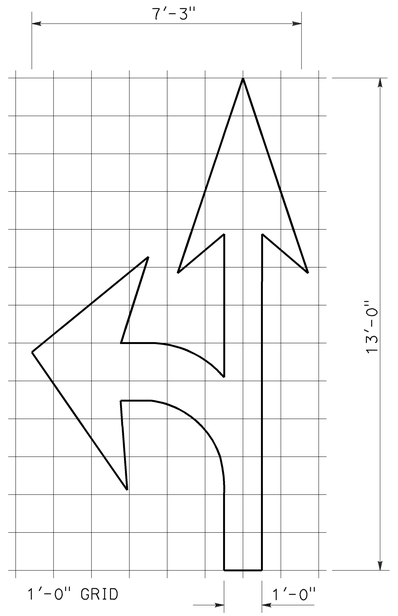
A=3.5 ft²

BIKE LANE ARROW



A=36 ft²

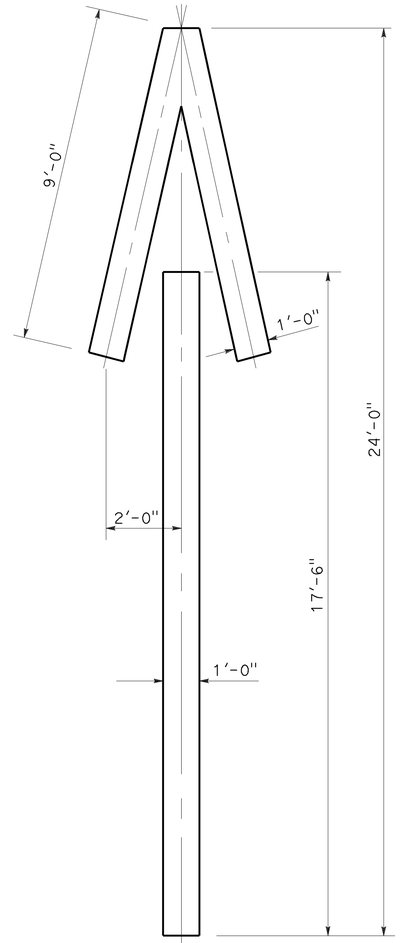
TYPE VIII ARROW



A=27 ft²

TYPE VII (L) ARROW

(For Type VII (R) arrow, use mirror image)



A=33 ft²

TYPE V ARROW

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

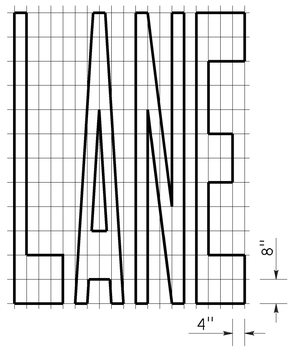
PAVEMENT MARKINGS ARROWS

NO SCALE

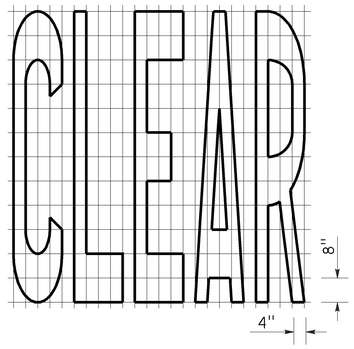
RSP A24A DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN A24A DATED MAY 20, 2011 - PAGE 13 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24A

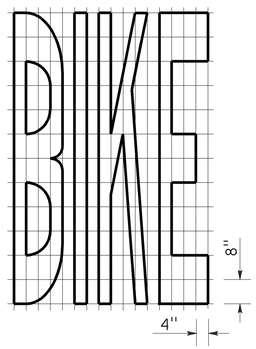
3-14-12



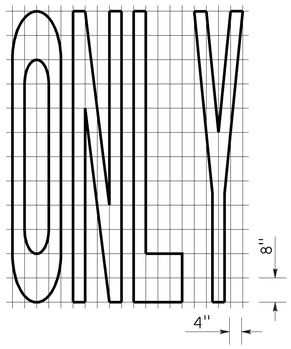
A=24 ft²



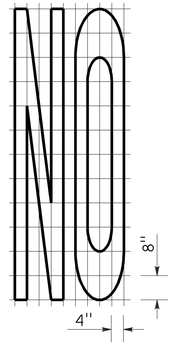
A=27 ft²



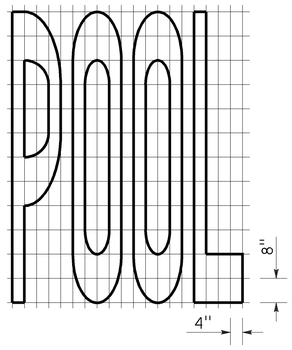
A=21 ft²



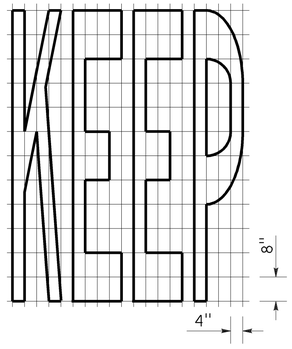
A=22 ft²



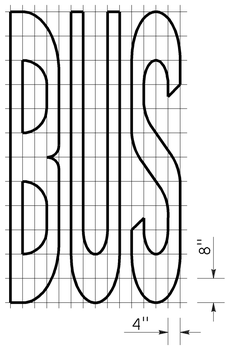
A=14 ft²



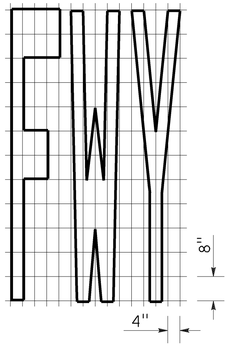
A=23 ft²



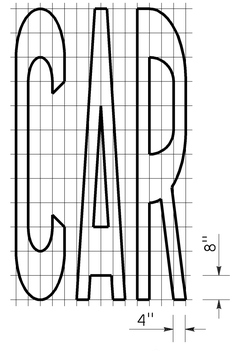
A=24 ft²



A=20 ft²



A=16 ft²



A=17 ft²

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	55	86

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

July 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
CIVIL
STATE OF CALIFORNIA

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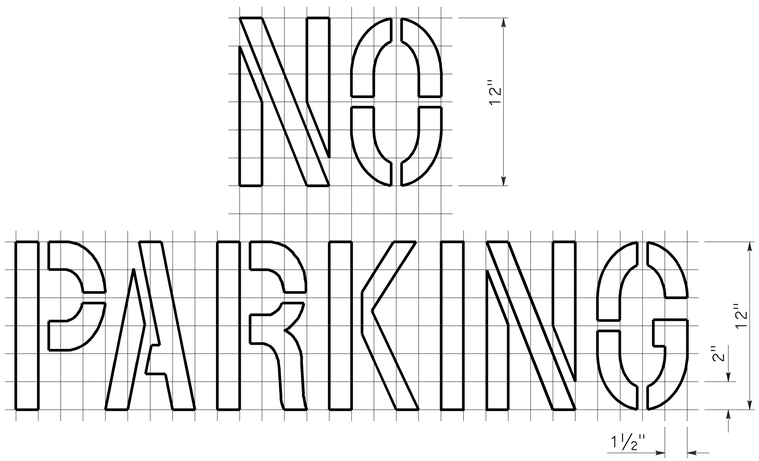
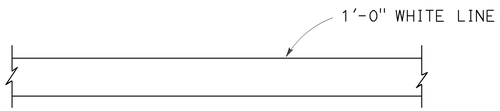
TO ACCOMPANY PLANS DATED 3-17-14

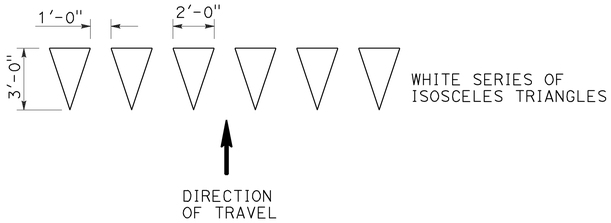
WORD MARKINGS			
ITEM	ft²	ITEM	ft²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



A=2 ft²
See Notes 6 and 7



LIMIT LINE (STOP LINE)



YIELD LINE

NOTES:

1. If a message consists of more than one word, it should read "UP", i.e., the first word should be nearest the driver.
2. The space between words should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
5. The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
6. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS WORDS, LIMIT AND YIELD LINES

NO SCALE

RSP A24E DATED JULY 20, 2012 SUPERSEDES STANDARD PLAN A24E
DATED MAY 20, 2011 - PAGE 17 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24E

2010 REVISED STANDARD PLAN RSP A24E

6-12-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	56	86

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

July 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
CIVIL
STATE OF CALIFORNIA

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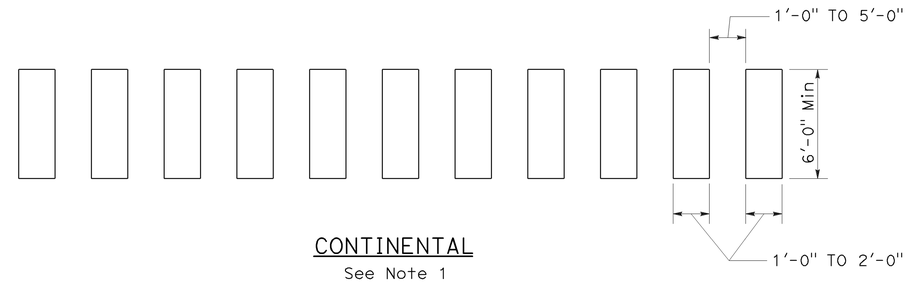
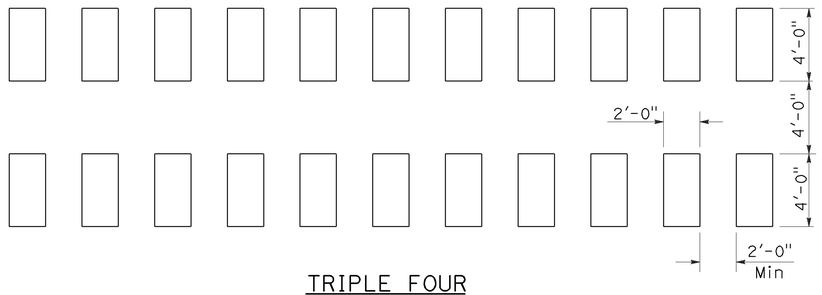
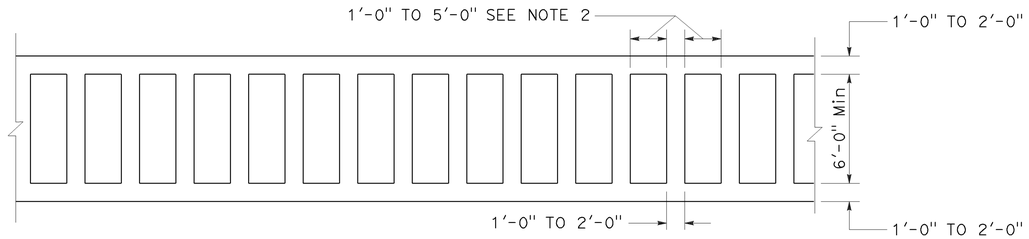
TO ACCOMPANY PLANS DATED 3-17-14



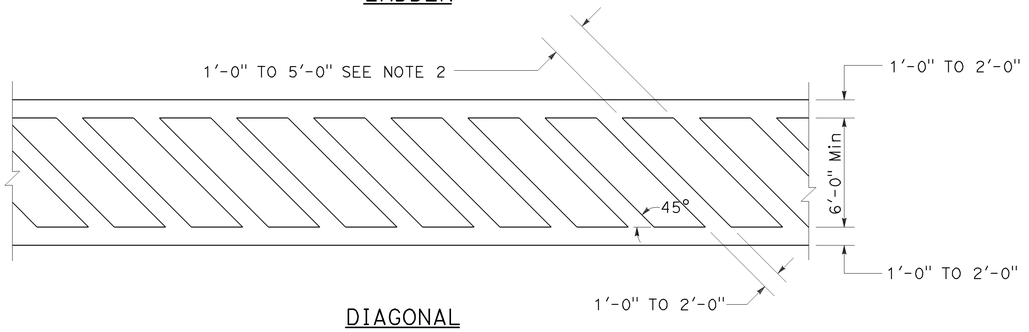
CONTINENTAL
See Note 1



TRIPLE FOUR
See Note 1



LADDER

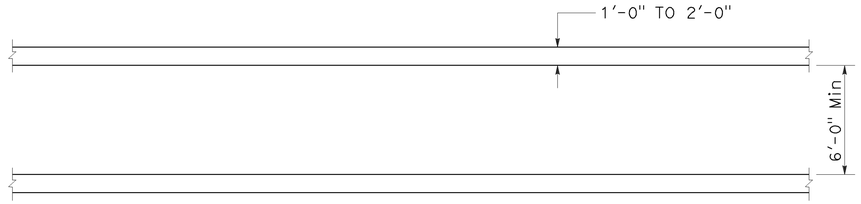


DIAGONAL

HIGHER VISIBILITY CROSSWALKS

NOTES:

1. Spaces between markings should be placed in wheel tracks of each lane.
2. Spacings not to exceed 2.5 times width of longitudinal line.
3. All crosswalk markings must be white except for those near schools must be yellow.



BASIC

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS CROSSWALKS

NO SCALE

RSP A24F DATED JULY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24F

2010 REVISED STANDARD PLAN RSP A24F

6-28-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	57	86

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-15
CIVIL
STATE OF CALIFORNIA

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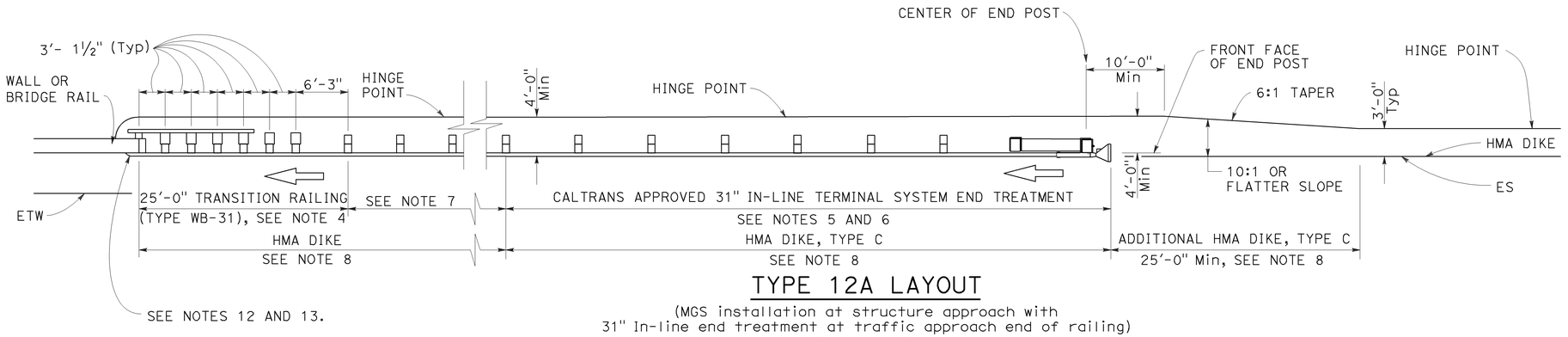
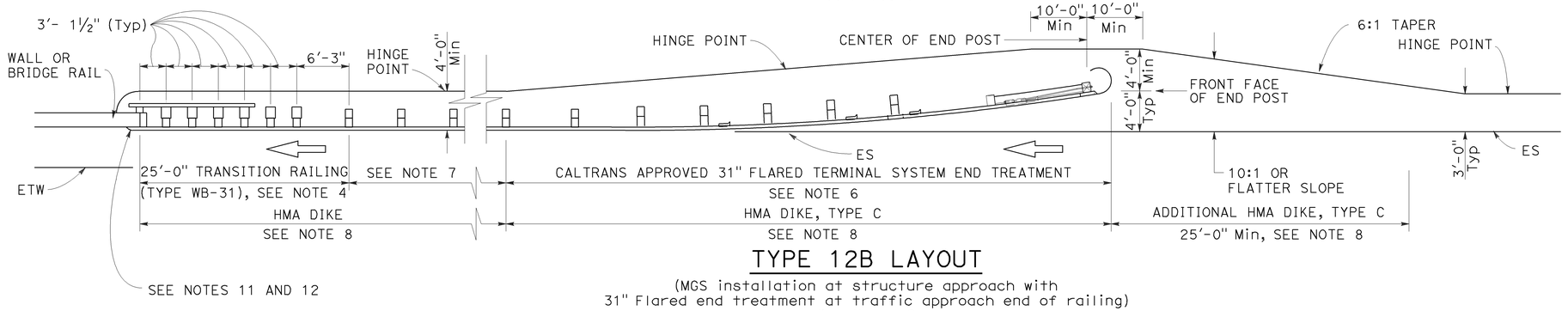
TO ACCOMPANY PLANS DATED 3-17-14



TYPE 12A LAYOUT

(MGS installation at structure approach with
31" In-line end treatment at traffic approach end of railing)
See Notes 9



TYPE 12B LAYOUT

(MGS installation at structure approach with
31" Flared end treatment at traffic approach end of railing)
See Notes 9

NOTES:

1. Line post, blocks and hardware to be used are shown on Revised Standard Plans RSP A77L1, RSP A77L2, RSP A77M1, RSP A77N1 and RSP A77N2.
2. MGS post spacing to be 6'-3" center to center, except as otherwise noted.
3. Except as noted, line posts are 6" x 8" x 6'-0" wood with 6" x 12" x 1'-2" wood blocks. W6 x 8.5 or W6 x 9 steel posts, 6'-0" in length, with 6" x 12" x 1'-2" notched wood blocks or plastic blocks may be used for 6" x 8" x 6'-0" wood posts with 6" x 12" x 1'-2" wood blocks where applicable and when specified.
4. For Transition Railing (Type WB-31) details for Types 12A and 12B Layouts, see Revised Standard Plan RSP A77U4.
5. 31" in-line terminal system end treatments are used where site conditions will not accommodate a 31" flared end treatment.
6. The type 31" of terminal system end treatment to be used will be shown on the Project Plans.
7. Dependent on site conditions (embankment height, side slopes, or other fixed objects), it may be advisable to construct additional guard railing (a length equal to multiples of 12'-6" with 6'-3" post spacing) between the transition railing and end treatment. A 12.5 degree angle of departure can be drawn on the Project Plans from the edge of traveled way through the outer most point of the fixed object to determine the additional length of railing needed.
8. Where placement of dike is required with guard railing installations, see Revised Standard Plan RSP A77N4 for dike positioning details.
9. Type 12A or Type 12B Layouts are typically used:
   a. To the right of approaching traffic, at the end of a structure, on two-lane conventional highway where the roadbed width across the structure is less than 40 feet.
   b. To the left of approaching traffic, at the end of a structure, on two-lane conventional highway where the roadbed width across the structure is less than 40 feet.
   c. To the right of approaching traffic at the end of each structure on multilane freeways or expressways with separate adjacent or parallel bridges.
   d. To the right of approaching traffic at the end of the structure on multilane freeways or expressways with decked median on the bridge.
10. See Revised Standard Plan RSP A77Q3 for typical layout used left of approaching traffic at the ends of each structure on multilane freeways or expressways with separate adjacent or parallel bridges.
11. For additional details of typical connections to bridge rail, see Connection Detail AA on Revised Standard Plans RSP A77U1 and RSP A77U2 and Connection Detail FF on Revised Standard Plans RSP A77V1 and RSP A77V2.
12. For additional details of a typical connection to walls or abutments, see Revised Standard Plan RSP A77U3.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR STRUCTURE APPROACH

NO SCALE

RSP A77Q1 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77Q1

2010 REVISED STANDARD PLAN RSP A77Q1

6-19-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	58	86

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Randell D. Hiatt — No. C50200 — Exp. 6-30-15 — CIVIL — STATE OF CALIFORNIA

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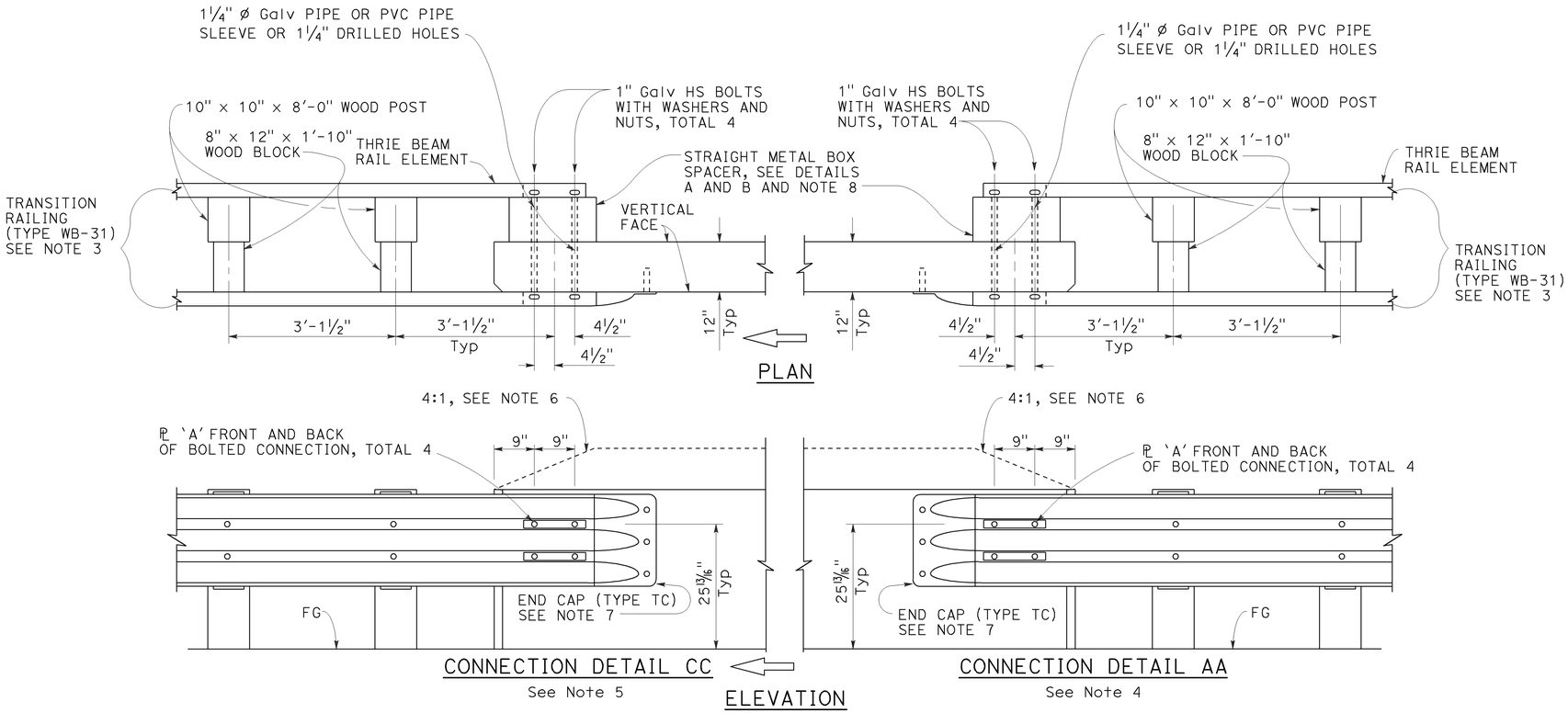
TO ACCOMPANY PLANS DATED 3-17-14



MIDWEST GUARDRAIL SYSTEM CONNECTION TO BRIDGE RAILING WITHOUT SIDEWALK

NOTES:

1. See Revised Standard Plan RSP A77U1 for additional connection details to bridges without sidewalks.
2. Additional details of posts, blocks and hardware are shown on Revised Standard Plans RSP A77M1, RSP A77N1 and RSP A77N2.
3. For additional details of Transition Railing (Type WB-31), see Revised Standard Plan RSP A77U4. Transition Railing (Type WB-31) transitions the 12 gauge MGS railing section to a heavier gage nested thrie beam railing section which is connected to the concrete bridge railing.
4. For typical use of Connection Detail AA, see Layout Types 12A and 12B on Revised Standard Plan RSP A77Q1, Layout Types 12C and 12D on Revised Standard Plan RSP A77Q2, and Layout Type 12E on Revised Standard Plan RSP A77Q3.
5. For typical use of Connection Detail CC, see Layout Types 12AA and 12BB on Revised Standard Plan RSP A77Q4 and Layout Type 12CC on Revised Standard Plan RSP A77Q5.
6. Where the height of the bridge railing exceeds the height of the thrie beam railing by more than 1" at Connection Detail AA and connection Detail CC, taper the top of the end of the bridge railing at 4:1 to match the top elevation of the thrie beam railing.
7. For details of End Cap (Type TC), see Revised Standard Plan RSP A77U4.
8. See Revised Standard Plan RSP A77U4 for additional details regarding depth dimension for straight metal box spacer.

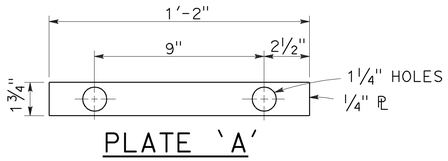


PLATE 'A'

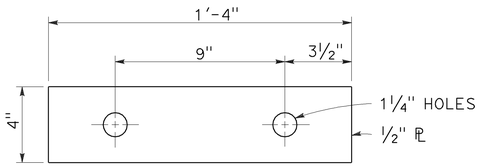
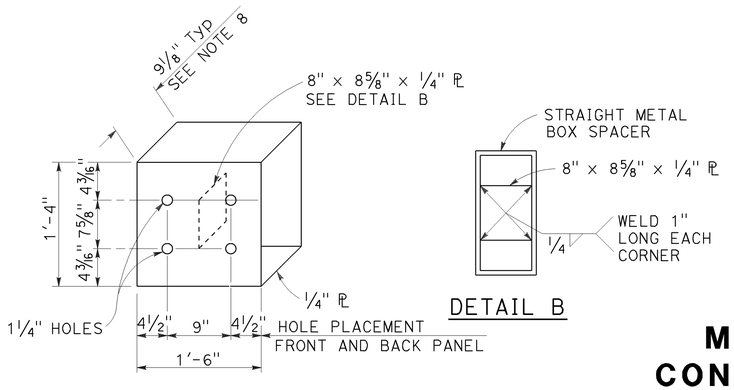


PLATE 'B'
(For backside of connection BB)



DETAIL A
STRAIGHT METAL BOX SPACER

DETAIL B

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM CONNECTIONS TO BRIDGE RAILINGS WITHOUT SIDEWALKS DETAILS No. 2

NO SCALE

RSP A77U2 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77U2

2010 REVISED STANDARD PLAN RSP A77U2

6-20-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	59	86

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

November 15, 2013
PLANS APPROVAL DATE

Randell D. Hiatt No. C50200 Exp. 6-30-15 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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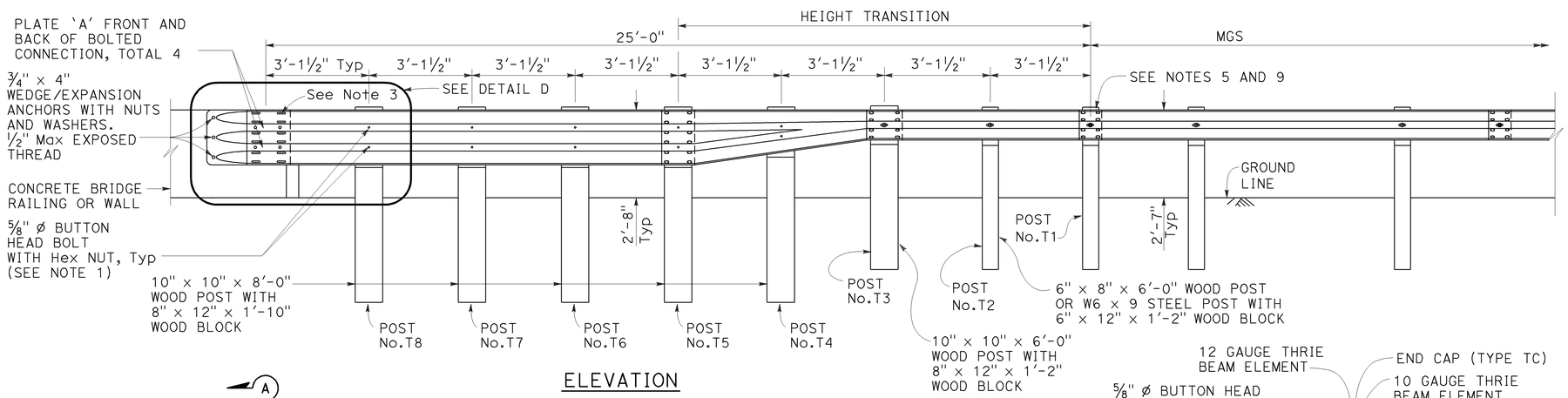
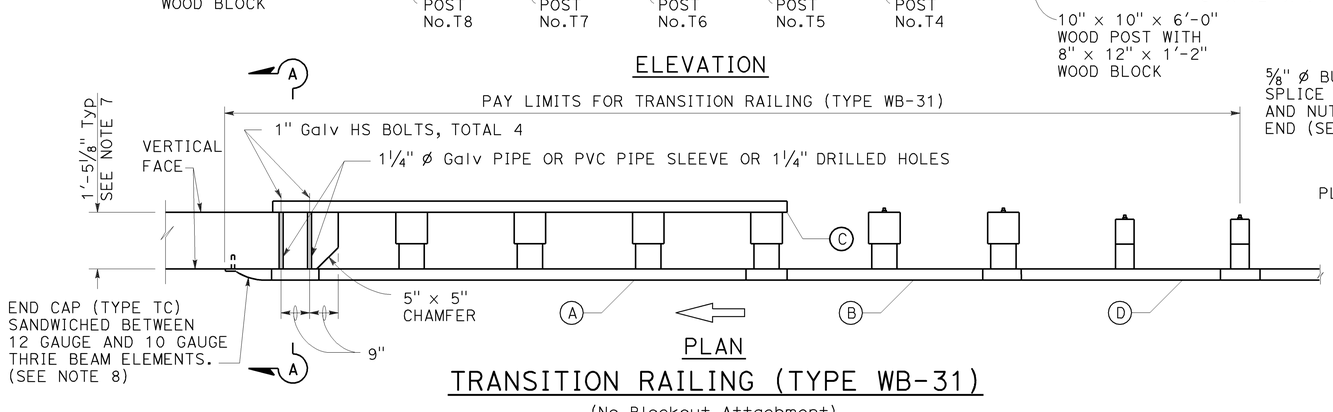


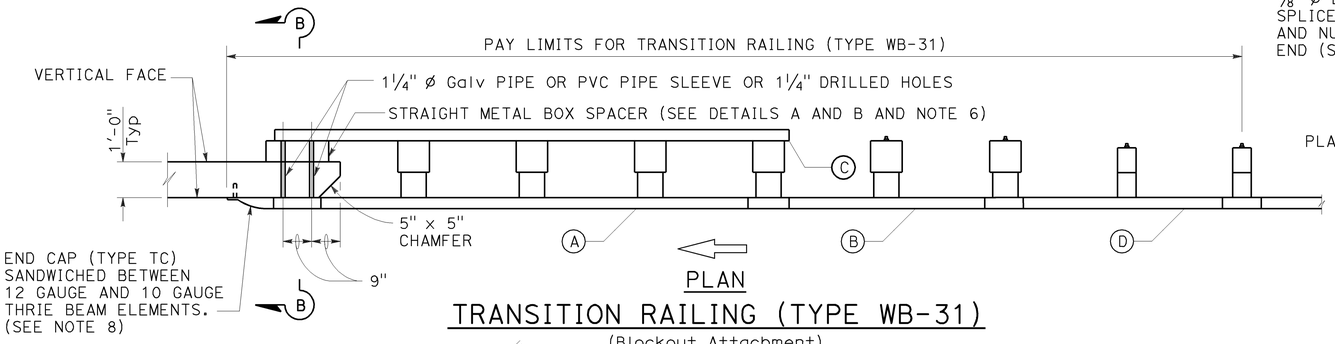
ELEVATION



PLAN

TRANSITION RAILING (TYPE WB-31)

(No Blockout Attachment)



PLAN

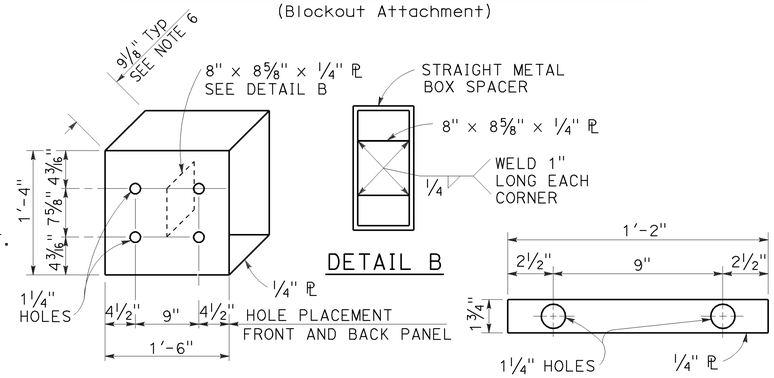
TRANSITION RAILING (TYPE WB-31)

(Blockout Attachment)

LEGEND:

- (A) NESTED THRIE BEAM ELEMENTS (ONE 12 GAUGE ELEMENT NESTED OVER ONE 10 GAUGE ELEMENT).
- (B) ONE ASYMMETRICAL 10 GAUGE "W" BEAM TO THRIE BEAM ELEMENT.
- (C) ONE 12 GAUGE THRIE BEAM ELEMENT.
- (D) ONE 10 GAUGE "W" BEAM RAIL ELEMENT (7'-3½"LENGTH)

10 GAUGE = 0.138" THICK
12 GAUGE = 0.108" THICK

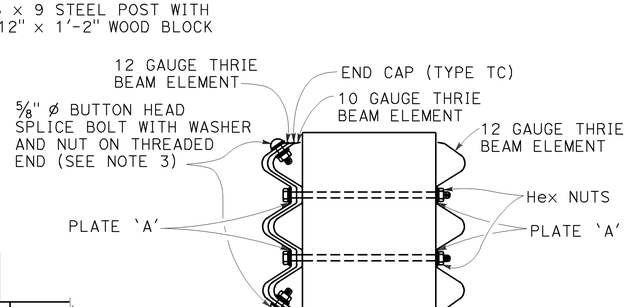


DETAIL A

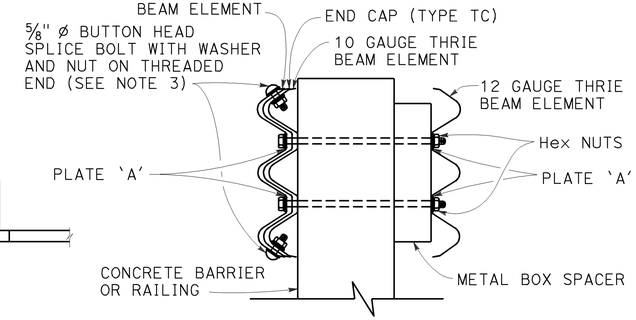
DETAIL B

DETAIL C

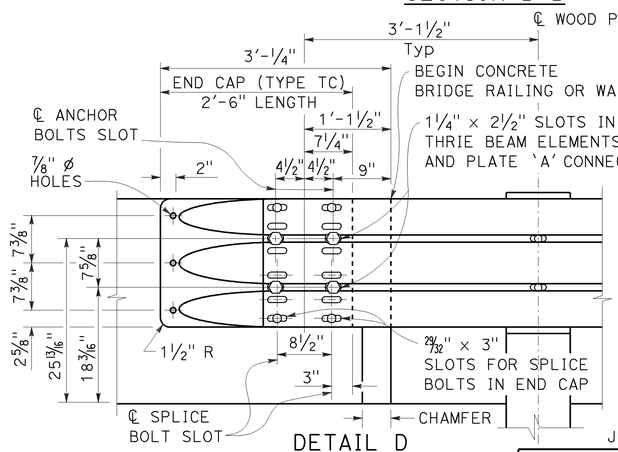
STRAIGHT METAL BOX SPACER — PLATE 'A'



SECTION A-A



SECTION B-B



DETAIL D

NOTES:

TO ACCOMPANY PLANS DATED 3-17-14

1. Use ⅝" ø Button head bolts and hex nuts for connections to posts. No washer on rail face for bolted connections to post.
2. The nested rail elements, end cap, and 'W' beam to thrie beam element may be spliced together prior to bolting the elements to the wood post and concrete barrier or railing.
3. Exterior splice bolt holes for rail element splices at Post No. T5 and the connection to the concrete barrier or railing shall be the standard 29/32" x 1⅛" slot size. Interior splice bolt holes at these locations may be increased up to 1¼" ø. Only the top 4 and the bottom 4 splice bolts with washers and nuts are required for rail splices at Post No. T5 and the connection to the concrete barrier or railing.
4. The top elevation of Posts No. T2 through No. T7 shall not project more than 1" above the top elevation of the rail element.
5. Typically, the railing connected to Transition Railing (Type WB-31) will be either standard railing section of MGS with height transition ratio of 150:1 or a Caltrans approved 31" end treatment attached to Post No. T1.
6. The depth of the metal box spacer varies from the 9⅛" to 1½" and is dependent on the width of the concrete railing or wall. The combined dimension for the depth of the metal box spacer plus the width of railing or wall is typically 21⅛". Where the space between the backside of the concrete railing or wall and the rear thrie beam element is less than 1½", metal plates similar to Plate 'A' are to be used as spacers.
7. Where the width of the concrete railing or wall is greater than 17⅛", wood blocks are to be used to fill the space created between the backside of Posts No. T5 through No. T8 and the rear thrie beam element. These wood blocks shall be 8" in width and 1'-2" in length. The dimension between the front thrie beam element and the rear thrie beam element is to match the width of the concrete railing or wall.
8. End cap may be installed over 12 gauge and 10 gauge thrie beam elements where transition railing is installed on the departure end of bridge railing.
9. Conform standard railing section height to 31" at Post No. T1 using height transition ratio of 150:1.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM TRANSITION RAILING (TYPE WB-31)

NO SCALE

RSP A77U4 DATED NOVEMBER 15, 2013 SUPERSEDES RSP A77U4 DATED JULY 19, 2013 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77U4

2010 REVISED STANDARD PLAN RSP A77U4

10-4-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	60	86

REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Michael Janzen
No. 44788
Exp. 03-31-14
CIVIL
STATE OF CALIFORNIA

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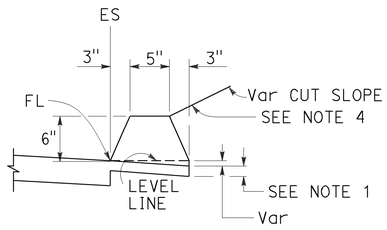
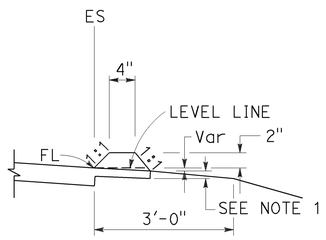
TO ACCOMPANY PLANS DATED 3-17-14

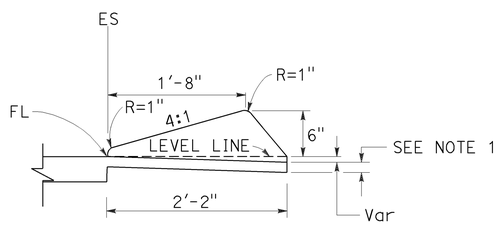
2010 REVISED STANDARD PLAN RSP A87B



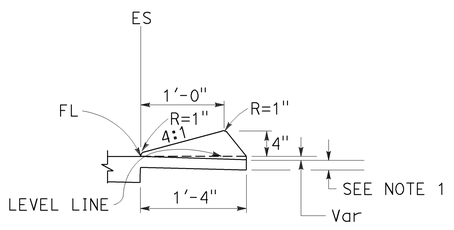
TYPE A
See Note 3



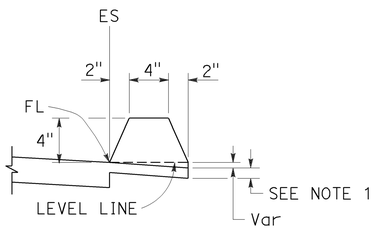
TYPE C



TYPE D

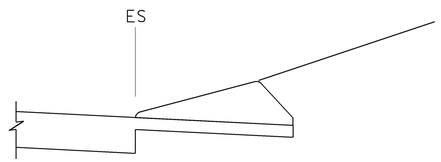


TYPE E

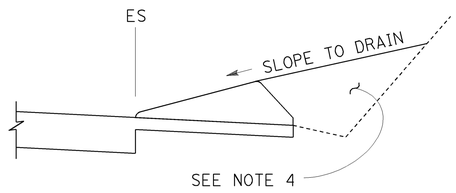


TYPE F
See Note 5

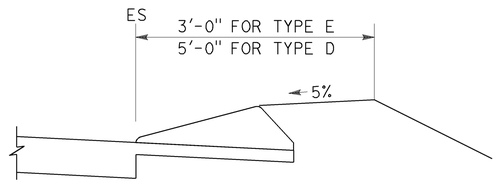
DIKES



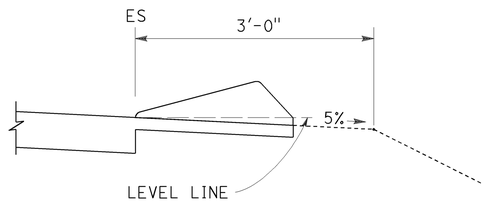
CASE C-1
Cut Slope



CASE C-2
Cut Slope



CASE F



CASE R
See Note 2

TYPE D AND E BACKFILL DETAILS

NOTES:

1. For HMA shoulders only, extend top layer of HMA placed on the shoulder under dike with no joint at the ES. For projects with OGFC shoulders, do not extend OGFC under dike. See project plans for modified dike detail.
2. Case R applies to retrofit only projects where restrictive conditions do not provide enough width for Case F backfill.
3. Type A dike only to be used where restrictive slope conditions do not provide enough width to use Type D or Type E dike.
4. Fill and compact with excavated material to top of dike.
5. Use Type F dike, where dike is required with guard railing installations. See Revised Standard Plan RSP A77N4 for dike positioning details.

DIKE QUANTITIES

TYPE	CUBIC YARDS PER LINEAR FOOT
A	0.0135
C	0.0038
D	0.0293
E	0.0130
F	0.0066

Quantities based on 5% cross slope.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT DIKES

NO SCALE

RSP A87B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A87B
DATED MAY 20, 2011 - PAGE 120 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A87B

6-27-13

LEGEND:

AB	ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
BC	INSTALL PULL BOX IN EXISTING CONDUIT RUN
BP	PEDESTRIAN BARRICADE, TYPE AS INDICATED ON PLAN
CB	INSTALL CONDUIT INTO EXISTING PULL BOX
CC	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED
CF	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS. INSTALL PULL TAPE
DH	DETECTOR HANDHOLE
FA	FOUNDATION TO BE ABANDONED
IS	INSTALL SIGN ON SIGNAL MAST ARM
NS	NO SLIP BASE ON STANDARD
PEC	PHOTOELECTRIC CONTROL
PEU	PHOTOELECTRIC UNIT
RC	EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
RE	REMOVE ELECTROLIER, FUSES AND BALLAST. TAPE ENDS OF CONDUCTORS
RL	RELOCATE EQUIPMENT
RR	REMOVE AND REUSE EQUIPMENT
RS	REMOVE AND SALVAGE EQUIPMENT
SC	SPLICE NEW TO EXISTING CONDUCTORS
SD	SERVICE DISCONNECT
TSP	TELEPHONE SERVICE POINT

ABBREVIATIONS

APS	ACCESSIBLE PEDESTRIAN SIGNAL
BBS	BATTERY BACKUP SYSTEM
BC	BOLT CIRCLE
BPB	BICYCLE PUSH BUTTON
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
Ckt	CIRCUIT
CMS	CHANGEABLE MESSAGE SIGN
Ctid	CALTRANS IDENTIFICATION
Comm	COMMUNICATION
DLC	LOOP DETECTOR LEAD-IN CABLE
EMS	EXTINGUISHABLE MESSAGE SIGN
EVUC	EMERGENCY VEHICLE UNIT CABLE
EVUD	EMERGENCY VEHICLE UNIT DETECTOR
FB	FLASHING BEACON
FBCA	FLASHING BEACON CONTROL ASSEMBLY
FBS	FLASHING BEACON WITH SLIP BASE
FO	FIBER OPTIC
G	EQUIPMENT GROUNDING CONDUCTOR
GB	GROUND BUS
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HAR	HIGHWAY ADVISORY RADIO
Hex	HEXAGONAL
HPS	HIGH PRESSURE SODIUM
IISNS	INTERNALLY ILLUMINATED STREET NAME SIGN
ISL	INDUCTION SIGN LIGHTING
LED	LIGHT EMITTING DIODE
LMA	LUMINAIRE MAST ARM
LPS	LOW PRESSURE SODIUM
Ltg	LIGHTING
Lum	LUMINAIRE
M	METERED
MAT	MAST ARM MOUNTING TOP ATTACHMENT
MAS	MAST ARM MOUNTING SIDE ATTACHMENT
M/M	MULTIPLE TO MULTIPLE TRANSFORMER
Mtg	MOUNTING
MV	MERCURY VAPOR LIGHTING FIXTURE
MVDS	MICROWAVE VEHICLE DETECTION SYSTEM
N	NEUTRAL (GROUNDED CONDUCTOR)
NB	NEUTRAL BUS
NC	NORMALLY CLOSE
NO	NORMALLY OPEN
P	CIRCUIT BREAKER'S POLE
PB	PULL BOX
PBA	PUSH BUTTON ASSEMBLY
PEC	PHOTOELECTRIC CONTROL
Ped	PEDESTRIAN
PEU	PHOTOELECTRIC UNIT
PT	CONDUIT WITH PULL TAPE
RE	RELOCATED EQUIPMENT
RM	RAMP METERING
RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
SB	SLIP BASE
SIC	SIGNAL INTERCONNECT CABLE
Sig	SIGNAL
SMA	SIGNAL MAST ARM
SNS	STREET NAME SIGN
SP	SERVICE POINT
TDC	TELEPHONE DEMARCATION CABINET
TMS	TRAFFIC MONITORING STATION
TOS	TRAFFIC OPERATIONS SYSTEM
Veh	VEHICLE
VIVDS	VIDEO IMAGE VEHICLE DETECTION SYSTEM
WIM	WEIGH-IN-MOTION
Xfmr	TRANSFORMER

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	61	86

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

Theresa Aziz Gabriel No. E15129 Exp. 6-30-14 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

July 19, 2013
PLANS APPROVAL DATE

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TO ACCOMPANY PLANS DATED 3-17-14

SOFFIT AND WALL MOUNTED LUMINAIRES

- PENDANT, 70 W HPS UNLESS OTHERWISE SPECIFIED
- FLUSH, 70 W HPS UNLESS OTHERWISE SPECIFIED
- WALL SURFACE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- EXISTING SOFFIT OR WALL LUMINAIRE TO REMAIN UNMODIFIED
- (M) EXISTING SOFFIT OR WALL LUMINAIRE TO BE MODIFIED AS SPECIFIED

NOTE:
Arrow indicates "street side" of luminaire.

COMMONLY USED SYMBOLS FOR UNITED STATES CUSTOMARY UNITS OF MEASUREMENT:

SYMBOL USED	DEFINITIONS
Ω	OHMS
min	MINUTE
s	SECOND
bps	BITS PER SECOND
Bps	BYTES PER SECOND
A	AMPERE
V	VOLT
V(dc)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
FC	FOOT - CANDLE
W	WATTS
VA	VOLT-AMPERE
M	MEGA
k	KILO
m	MILLI
μ	MICRO
P	PICO
Hz	HERTZ

MISCELLANEOUS ELECTROLIERS

NEW	EXISTING	
		LUMINAIRE ON WOOD POLE
		NON-STANDARD ELECTROLIER (SEE PROJECT NOTES OR PROJECT PLANS)
		CITY ELECTROLIER
		ELECTROLIER FOUNDATION (FUTURE INSTALLATION)

NOTES:

1. HPS luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. HPS luminaires shall be 200 W when installed on other type standards or poles, unless otherwise specified.
2. LED luminaires shall be 235 W when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. LED luminaires shall be 165 W when installed on other type standards or poles, unless otherwise specified.
3. Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.

STANDARD ELECTROLIER

NEW	EXISTING	STANDARD TYPE
		15
		15D
		15 STRUCTURE
		15D STRUCTURE
		21
		21D
		21 STRUCTURE
		21D STRUCTURE
		30
		31
		32

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 20, 2011 - PAGE 425 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1A

2010 REVISED STANDARD PLAN RSP ES-1A

7-15-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	62	86

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

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TO ACCOMPANY PLANS DATED 3-17-14

CONDUIT

NEW	EXISTING	
		LIGHTING CONDUIT, UNLESS OTHERWISE INDICATED OR NOTED
		TRAFFIC SIGNAL CONDUIT
C	c	COMMUNICATION CONDUIT
T	t	TELEPHONE CONDUIT
F	f	FIRE ALARM CONDUIT
FO	fo	FIBER OPTIC CONDUIT
		CONDUIT TERMINATION
R	r	CONDUIT RISER ATTACHED TO THE STRUCTURE OR SERVICE POLE

SERVICE EQUIPMENT

NEW	EXISTING	
OH	oh	OVERHEAD LINES
U	U	WOOD POLE, "U" INDICATES UTILITY OWNED
		POLE GUY WITH ANCHOR
		UTILITY TRANSFORMER - GROUND MOUNTED
III	III	SERVICE EQUIPMENT ENCLOSURE TYPE. DOOR INDICATES FRONT OF ENCLOSURE
T	t	TELEPHONE DEMARCATION CABINET

POLE-MOUNTED SERVICE DESIGNATION

TYPE H SERVICE, 28'-10" — TYPE OF INSTALLATION AND POLE HEIGHT ABOVE GRADE

FLASHING BEACON

NEW	EXISTING	
R	R	FLASHING BEACON (ONE VEHICLE SIGNAL HEAD WITH BACKPLATE AND VISOR) "R" INDICATES RED INDICATION, "Y" INDICATES YELLOW INDICATION
Y Y	Y Y	FLASHING BEACON WITH TYPE 15-FBS STANDARD AND A SIGN.
R R	R R	FLASHING BEACON WITH TYPES 9, 9A OR 9B SIGN UNLESS OTHERWISE SPECIFIED OR INDICATED

SIGNAL EQUIPMENT

NEW	EXISTING	
C	C	PEDESTRIAN SIGNAL HEAD "C" INDICATES COUNTDOWN PEDESTRIAN HEAD
		PUSH BUTTON ASSEMBLY POST
		PEDESTRIAN BARRICADE
		VEHICLE SIGNAL HEAD (WITH BACKPLATE AND 3-SECTIONS: RED, YELLOW AND GREEN)
		VEHICLE SIGNAL HEAD WITH ANGLE VISOR
PV	PV	MODIFICATIONS OF BASIC SYMBOL: "L" INDICATES ALL NON-ARROW SECTIONS LOUVERED "LG" INDICATES LOUVERED GREEN SECTION ONLY "PV" INDICATES ALL 12" SECTIONS PROGRAMMED VISIBILITY "8" INDICATES ALL 8" SECTIONS (ONLY WHEN SPECIFIED)
		VEHICLE SIGNAL HEAD CONSISTING OF RED, YELLOW AND GREEN LEFT ARROW SECTIONS
		VEHICLE SIGNAL HEAD CONSISTING OF RED AND YELLOW SECTIONS WITH AN UP GREEN ARROW SECTION
		VEHICLE SIGNAL HEAD (5 SECTION) CONSISTING OF RED, YELLOW AND GREEN SECTIONS WITH YELLOW AND GREEN RIGHT ARROW SECTIONS
		TYPE 15TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		TYPE 21TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		STANDARD WITH LUMINAIRE AND SIGNAL MAST ARMS AND ATTACHED VEHICLE SIGNAL HEADS
		TYPE 1 STANDARD WITH ATTACHED VEHICLE SIGNAL HEADS
		STANDARD WITH A SIGNAL MAST ARM, ATTACHED VEHICLE SIGNAL HEADS AND INTERNALLY ILLUMINATED STREET NAME SIGN
		CONTROLLER ASSEMBLY. DOOR INDICATES FRONT OF CABINET

SIGNAL EQUIPMENT Cont

NEW	EXISTING	
		GUARD POST
		TYPE 1 STANDARD WITH RAMP METERING SIGN
		OPTICAL DETECTOR FOR THE EMERGENCY VEHICLE DETECTION SYSTEM

NOTES:

1. All signal sections shall be 12" unless shown otherwise.
2. Signal heads shall be provided with backplates unless shown otherwise.

ILLUMINATED OVERHEAD SIGN

NEW	EXISTING	
		SINGLE POST, SINGLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, DOUBLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, SINGLE ILLUMINATED SIGN, FULL CANTILEVER
		DOUBLE POST, SINGLE ILLUMINATED SIGN
		SINGLE ILLUMINATED SIGN MOUNTED ON STRUCTURE
		DOUBLE POST, SINGLE ILLUMINATED SIGN WITH ELECTROLIER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1B DATED MAY 20, 2011 - PAGE 426 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1B

2010 REVISED STANDARD PLAN RSP ES-1B

7-15-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	63	86

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

Theresa Aziz Gabriel No. E15129 Exp. 6-30-14 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

July 19, 2013
PLANS APPROVAL DATE

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TO ACCOMPANY PLANS DATED 3-17-14

EQUIPMENT IDENTIFICATION

ILLUMINATED SIGN IDENTIFICATION NUMBER:

SIGN No. 12345

10 ISL SCI 1.0

- SIGN NUMBER - PLACE ON POST OR STRUCTURE
- TRANSFORMER RATING (kVA)
- LIGHTING CONTROL TYPE
- NUMBER AND TYPE OF FIXTURES

DO NOT PLACE ON STANDARD OR STRUCTURE

ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:

12345 - 15'-0"

- MAST ARM LENGTH, IF SHOWN. DO NOT PLACE ON STANDARD OR STRUCTURE
- EQUIPMENT NUMBER - PLACE ON STANDARD OR STRUCTURE. EXISTING EQUIPMENT NUMBERS ARE SHOWN IN PARENTHESIS

CONDUIT AND CONDUCTOR IDENTIFICATION:

1½"C, 2#10, 15#14, 2 DLC, 12P#18 (PAIR)

- NUMBER AND SIZE OF CONDUCTORS AND CABLES
- SIZE OF CONDUIT IN INCHES
- ø1, ø2, ø2P, etc. — TRAFFIC PHASE IDENTIFICATION FOR SIGNAL FACES, DETECTORS AND PHASE DIAGRAMS
- 1 2 3 — LEGEND NUMBERS
- (A) (B) (C) — EQUIPMENT, SIGNAL POLES, INSTALLATION OR ITEMS
- 1 2 3 — CONDUIT RUN NUMBERS

SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):

19A - 3 - 100

- WIND VELOCITY = 100 mph
- CASE 3 ARM LOADING
- STANDARD TYPE
- STANDARD PLAN SHEET NUMBER
- DETAIL, NUMBER, SECTION, TYPE OR ELEVATION

MISCELLANEOUS EQUIPMENT

NEW	EXISTING	
CMS	cms	CHANGEABLE MESSAGE SIGN
		CLOSED CIRCUIT TELEVISION CAMERA
		HIGHWAY ADVISORY RADIO POLE AND ANTENNA
EMS	ems	EXTINGUISHABLE MESSAGE SIGN
M V	m v	DETECTION DEVICE M = MICROWAVE SENSOR V = VIDEO IMAGE SENSOR

WIRING DIAGRAM LEGEND

- EXTERNAL CONDUCTOR
- CONDUCTOR OR BUS
- TIE POINT
- CONTACTOR COIL
- CONTACTOR, NO CONTACT
- TERMINAL BLOCKS
- CONTACTOR, NC CONTACT
- ENCLOSURE BOND
- GROUNDING ELECTRODE
- CIRCUIT BREAKER
- RECEPTACLE

PULL BOXES

NEW	EXISTING	
		PULL BOX, No. 5 UNLESS OTHERWISE INDICATED OR NOTED
3	9A(21)	PULL BOX, ADDITIONAL DESIGNATIONS OR DESCRIPTIONS

3 No. 3½ PULL BOX
5 No. 5 PULL BOX
6 No. 6 PULL BOX
7 No. 7 (CEILING PULL BOX)
8 No. 8 (PENDANT SOFFIT PULL BOX)
9 No. 9 PULL BOX
9A No. 9A PULL BOX

(C) COMMUNICATIONS PULL BOX
(E) PULL BOX WITH EXTENSION
(S) SPRINKLER CONTROL PULL BOX
(21) ANCHOR BOLTS AND CONDUIT FOR FUTURE INSTALLATION OF TYPE 21 STANDARD
(T) TRAFFIC PULL BOX

VEHICLE DETECTORS

5 J 9 U

- VEHICLE DETECTOR DESIGNATION
- U = UPPER, L = LOWER
- SLOT NUMBER IN INPUT FILE
- INPUT FILE (I OR J)
- PHASE

NEW	EXISTING	
		TYPE A DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE B DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE C DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE D DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE E DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		TYPE Q DETECTOR LOOP. OUTLINE OF SAWCUT SHOWN
		MAGNETIC DETECTOR
DH	dh	DETECTOR HANDHOLE
		MICROWAVE OR VIDEO DETECTION ZONE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1C DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1C DATED MAY 20, 2011 - PAGE 427 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1C

2010 REVISED STANDARD PLAN RSP ES-1C

7-11-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	64	86

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Theresa Aziz Gabriel No. E15129 Exp. 6-30-14 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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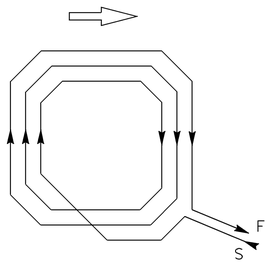
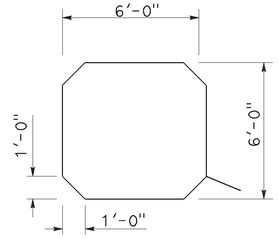
TO ACCOMPANY PLANS DATED 3-17-14

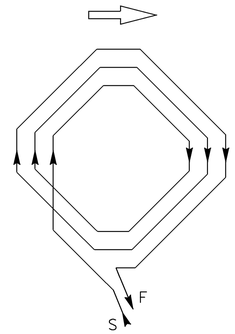


WINDING DETAIL

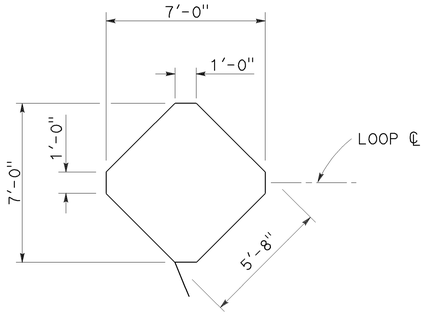


SAWCUT DETAIL

TYPE A LOOP DETECTOR CONFIGURATION

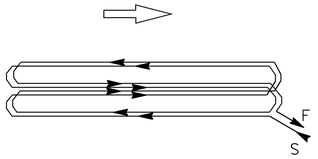


WINDING DETAIL

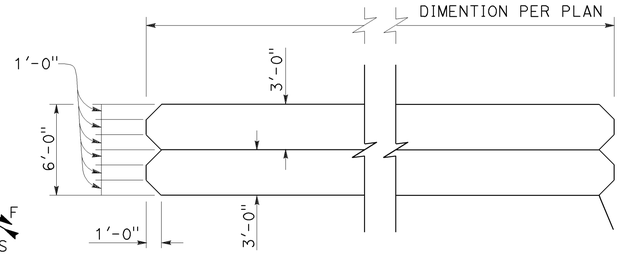


SAWCUT DETAIL

TYPE B LOOP DETECTOR CONFIGURATION

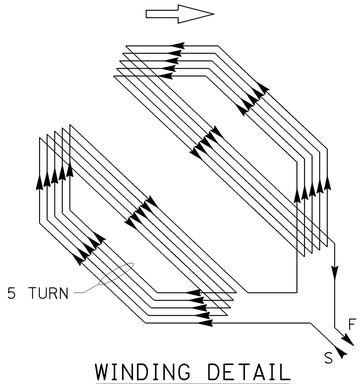


WINDING DETAIL



SAWCUT DETAIL

TYPE C LOOP DETECTOR CONFIGURATION



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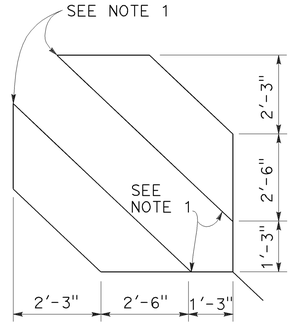
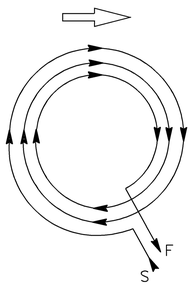
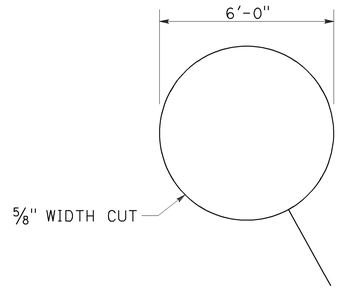


SAWCUT DETAIL

TYPE D LOOP DETECTOR CONFIGURATION

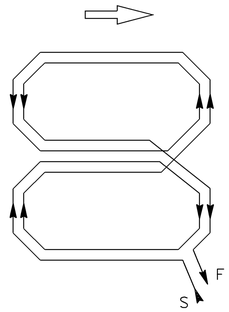


WINDING DETAIL

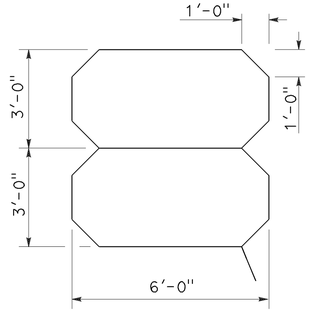


SAWCUT DETAIL

TYPE E LOOP DETECTOR CONFIGURATION

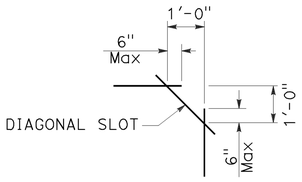


WINDING DETAIL



SAWCUT DETAIL

TYPE Q LOOP DETECTOR CONFIGURATION



PLAN VIEW OF DIAGONAL SLOT AT CORNERS

NOTES:

1. Round corners of acute angle sawcuts to prevent damage to conductors.
2. Typical distance separating loops from edge to edge is 10' for Type A, B, D and E installation in single lane.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (DETECTORS)

NO SCALE

RSP ES-5B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-5B DATED MAY 20, 2011 - PAGE 449 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-5B

2010 REVISED STANDARD PLAN RSP ES-5B

7-9-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	65	86

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Theresa Aziz Gabriel — No. E15129 — Exp. 6-30-14 — ELECTRICAL — STATE OF CALIFORNIA

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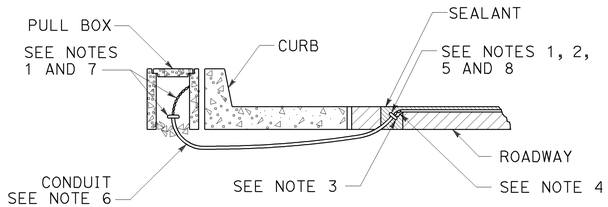
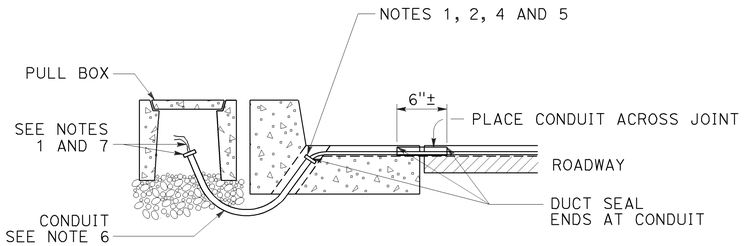
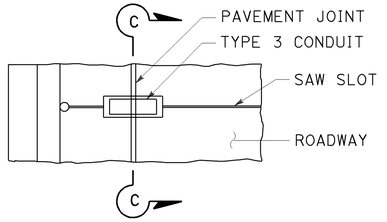
TO ACCOMPANY PLANS DATED 3-17-14



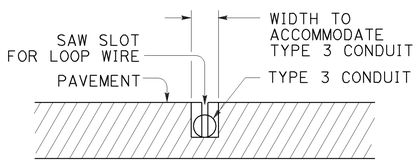
TYPE A
CURB TERMINATION DETAIL



CROSS SECTION

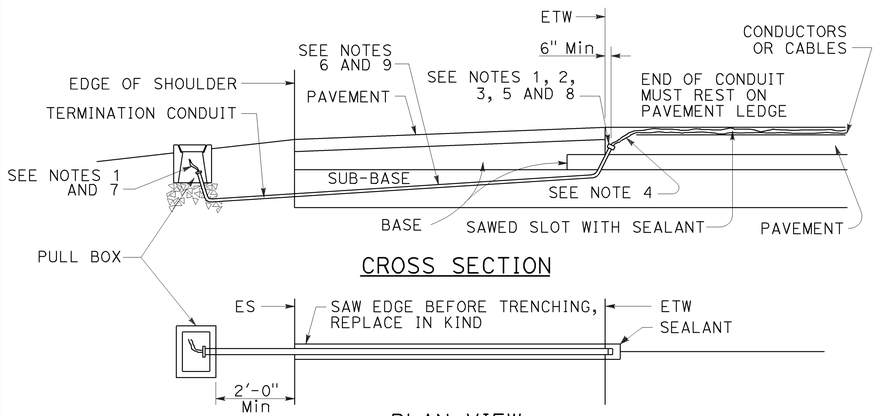


PLAN VIEW



SECTION C-C

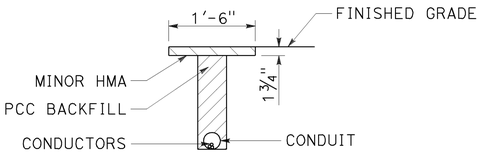
TYPE B
CURB TERMINATION DETAIL



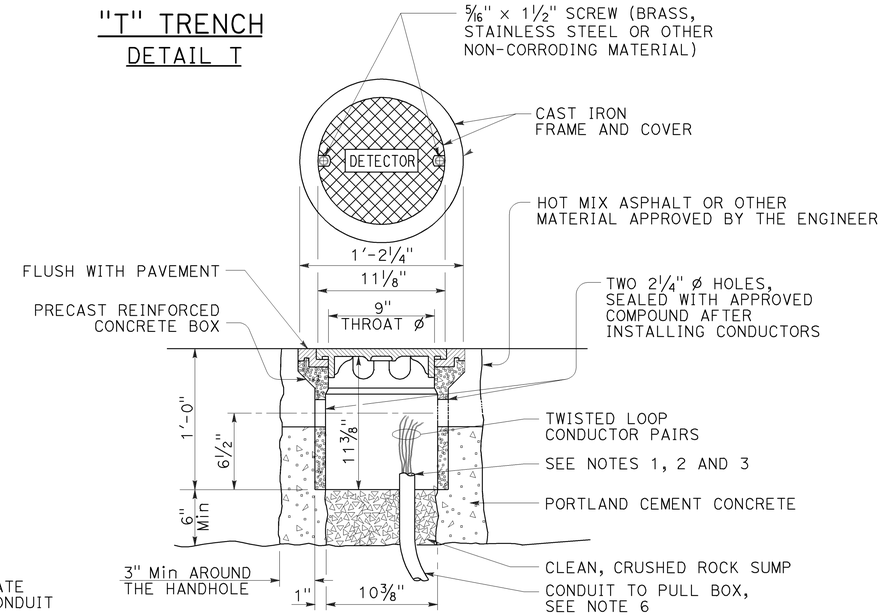
CROSS SECTION

PLAN VIEW

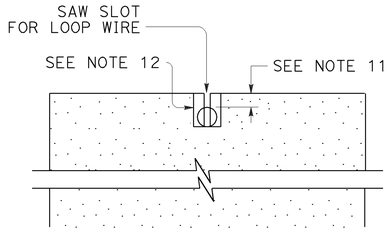
SHOULDER TERMINATION DETAILS



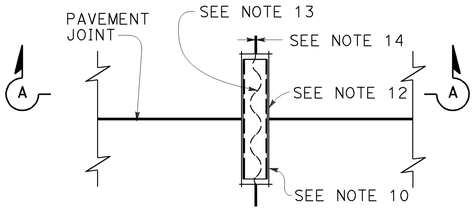
"T" TRENCH
DETAIL T



DETECTOR HANDHOLE DETAIL

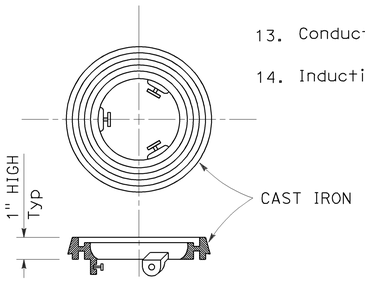


SECTION A-A



PLAN VIEW

TYPICAL LOOP LEAD-IN DETAIL AT PAVEMENT JOINT



LOCKING GRADE RING

NOTES:

1. Bushing shall be used at end of conduit.
2. Tape detector conductors or cables 3" each side of bushings.
3. Install duct seal compound to each end of termination conduit before installing sealant.
4. Round all sharp edges where detector conductors or cables have to pass.
5. End of conduit shall be 3⅛" below roadway surface.
6.

Conduit size	Loop conductors
1"C minimum	1 to 2 pairs
1½"C minimum	3 to 4 pairs
2"C minimum	5 or more pairs

7. Splice detector conductors or cables to detector lead-in-cable.
8. Location of detector handhole when shown on plans.
9. When the shoulder and traveled way are paved with the same material and there is no joint between them, the conduit shall extend only 2'-0" into the shoulder pavement.
10. ¾"C, Type 3 conduit 6" long minimum, plug both ends with duct compound to keep out sealant.
11. ½" Minimum between top of conduit and pavement surface.
12. Sawcut shall not exceed 1" in width and ⅛" longer than conduit to be installed.
13. Conductors with ½" minimum slack inside conduit.
14. Inductive loop detector saw slot.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (CURB TERMINATION AND HANDHOLE)

NO SCALE

RSP ES-5D DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-5D
DATED MAY 20, 2011 - PAGE 451 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-5D

2010 REVISED STANDARD PLAN RSP ES-5D

7-9-13

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	66	86

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

Theresa Aziz Gabriel No. E15129 Exp. 6-30-14 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

July 19, 2013
PLANS APPROVAL DATE

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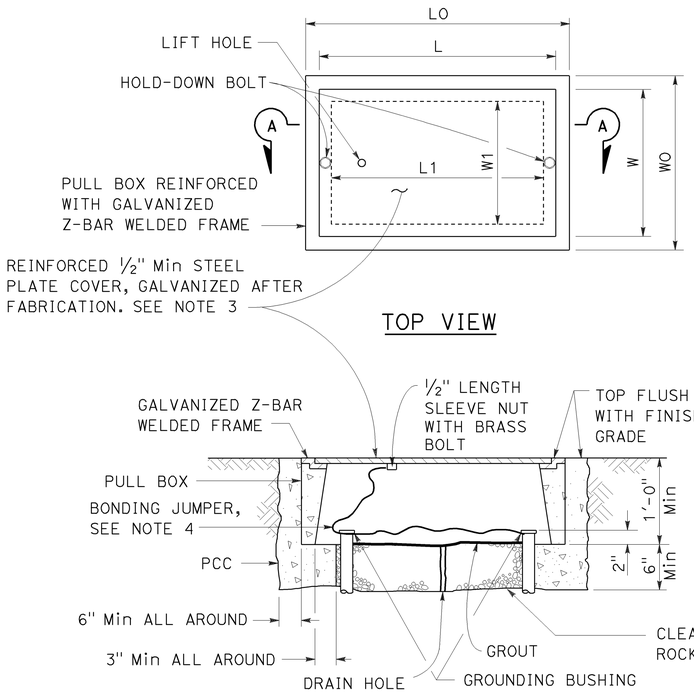
TO ACCOMPANY PLANS DATED 3-17-14



SECTION A-A

No. 3½(T), No. 5(T) AND No. 6(T) TRAFFIC PULL BOX

NOTES:

1. Traffic pull box shall be provided with steel cover and special concrete footing. Steel cover shall have embossed non-skid pattern.
2. Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.
3. Pull box covers shall be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" Sprinkler control circuits, 50 V or less; "CALTRANS" On all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service.
   A) No. 3½(T) pull box.
      1) "SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
      2) "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
   B) No. 5(T) or 6(T) pull box.
      1) "TRAFFIC SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
      2) "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
      3) "LIGHTING-HIGH VOLTAGE" - Lighting or sign lighting circuits where voltage is above 600 V.
      4) "IRRIGATION" - Circuits to irrigation controller 120 V or more.
      5) "RAMP METER" - Ramp meter circuits.
      6) "COUNT STATION" - Count or speed monitor circuits.
      7) "COMMUNICATION" - Communication circuits.
      8) "TOS COMMUNICATIONS" - TOS communications line.
      9) "TOS POWER" - TOS power.
      10) "TDC POWER" - Telephone demarcation cabinet power.
      11) "CCTV" - Closed circuit television circuits.
      12) "TMS" - Traffic monitoring station circuits.
      13) "CMS" - Changeable message sign circuits.
      14) "HAR" - Highway advisory radio circuits.
      15) "BOOSTER PUMP" - Booster pump circuit.
4. Bonding jumper for metal covers shall be 3' long, minimum.
5. The nominal dimensions of the opening in which the cover sets shall be the same as the cover dimensions except the length and width dimensions shall be ⅛" greater.
6. Covers and boxes shall be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces shall be flush within ⅛".

DIMENSION TABLE

PULL BOX	PULL BOX						COVER				
	MINIMUM * THICKNESS	MINIMUM DEPTH BOX AND EXTENSION	WO	LO	L1	W1	L **	W **	R	EDGE THICKNESS	EDGE TAPER
No. 3½(T)	1½"	1'-0"	1'-5"± 1"	1'-8⅞"±	1'-2½"±	10⅝"± 1"	1'-8"±	1'-1¾"±	0"	½"	NONE
No. 5(T)	1¾"	1'-0"	1'-11½"± 1"	2'-5½"±	1'-7"±	1'-1"± 1"	2'-3"±	1'-4"±	0"	½"	NONE
No. 6(T)	2"	1'-0"	2'-6"± 1"	2'-11½"±	1'-11½"±	1'-5"± 1"	2'-9"±	1'-8"±	0"	½"	NONE

* EXCLUDING CONDUIT WEB ** TOP DIMENSION

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (TRAFFIC PULL BOX)

NO SCALE

RSP ES-8B DATED JULY 19, 2013 SUPERSEDES RSP ES-8B DATED JANUARY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-8B

2010 REVISED STANDARD PLAN RSP ES-8B

7-15-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	67	86

REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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

TO ACCOMPANY PLANS DATED 3-17-14

2010 REVISED STANDARD PLAN RSP T9

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
					X	Y	Z **
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	55	110	27
60	1440	720	360	240	60	120	30
65	1560	780	390	260	65	130	32
70	1680	840	420	280	70	140	35

* - For other offsets, use the following merging taper length formula for L:
For speed of 40 mph or less, $L = WS^2/60$
For speed of 45 mph or more, $L = WS$

Where: L = Taper length in feet
W = Width of offset in feet
S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Longitudinal buffer space or flagger station spacing

*** - Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommmended distances.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TABLES FOR LANE AND RAMP CLOSURES

NO SCALE

RSP T9 DATED JULY 19, 2013 SUPERSEDES RSP T9 DATED APRIL 19, 2013 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T9

4-30-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	68	86

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 3-17-14

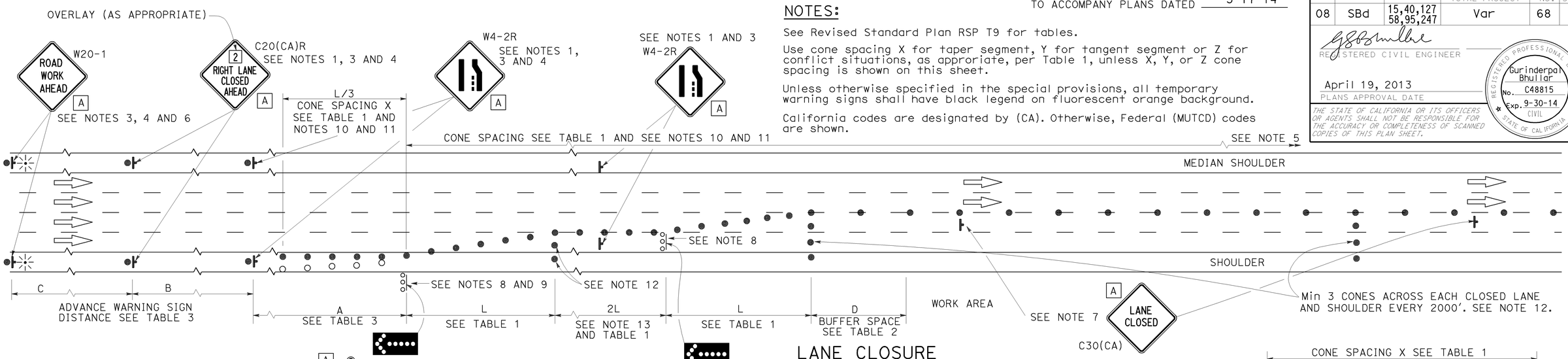
NOTES:

See Revised Standard Plan RSP T9 for tables.

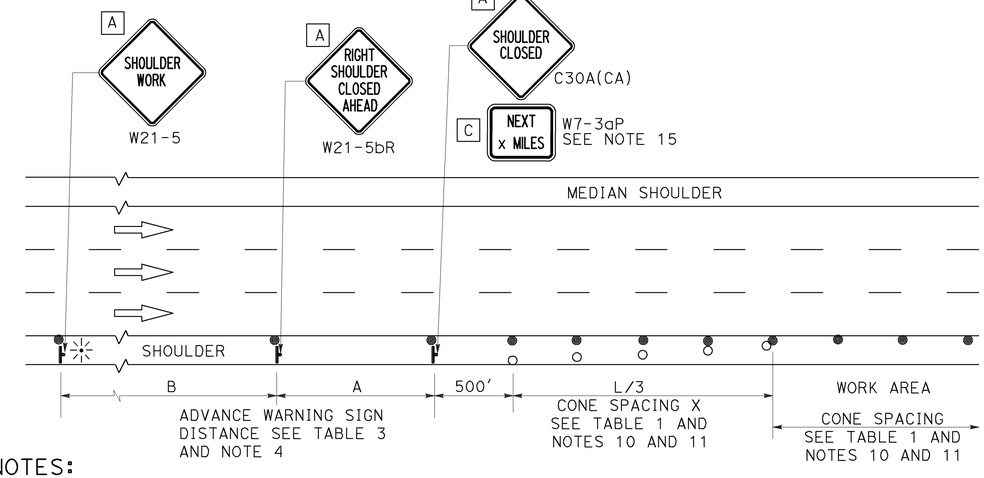
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

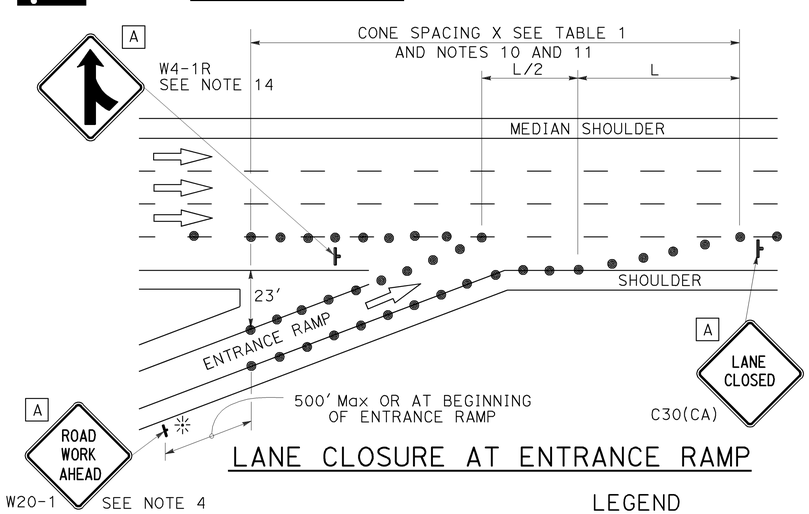
Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

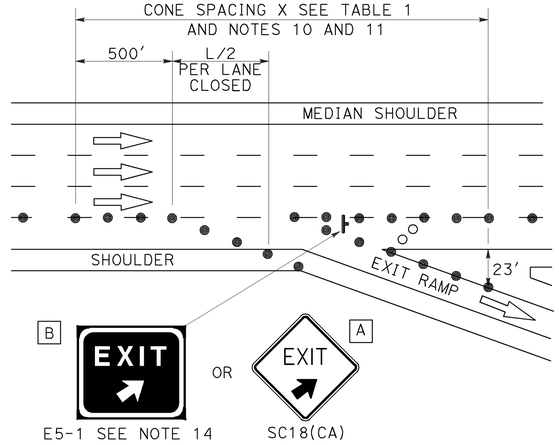


LANE CLOSURE





LANE CLOSURE AT ENTRANCE RAMP



LANE CLOSURE AT EXIT RAMP

NOTES:

1. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Duplicate sign installations are not required:
   a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
   b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
5. A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.

SHOULDER CLOSURE

6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
7. Place a C30(CA) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
10. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
15. A W7-3aP "NEXT___MILES" plaque must be used if theshoulder closure extends beyond the distance that can be perceived by road users.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

A	48" x 48"
B	72" x 60"
C	36" x 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10

2010 REVISED STANDARD PLAN RSP T10

12-18-13

TO ACCOMPANY PLANS DATED 3-17-14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	69	86

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Gurinderpal Bhullar — No. C48815 — Exp. 9-30-14 CIVIL — STATE OF CALIFORNIA

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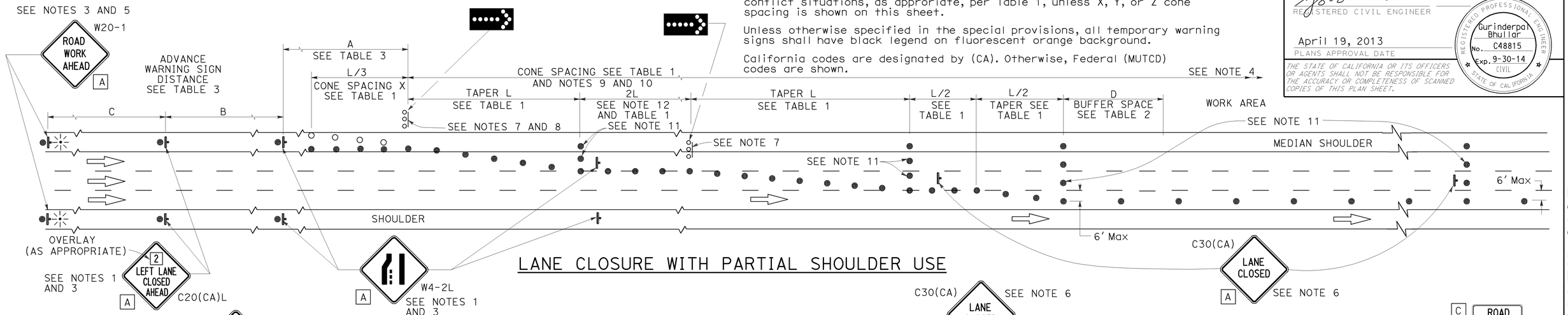
NOTES: See Revised Standard Plan RSP T9 for tables.

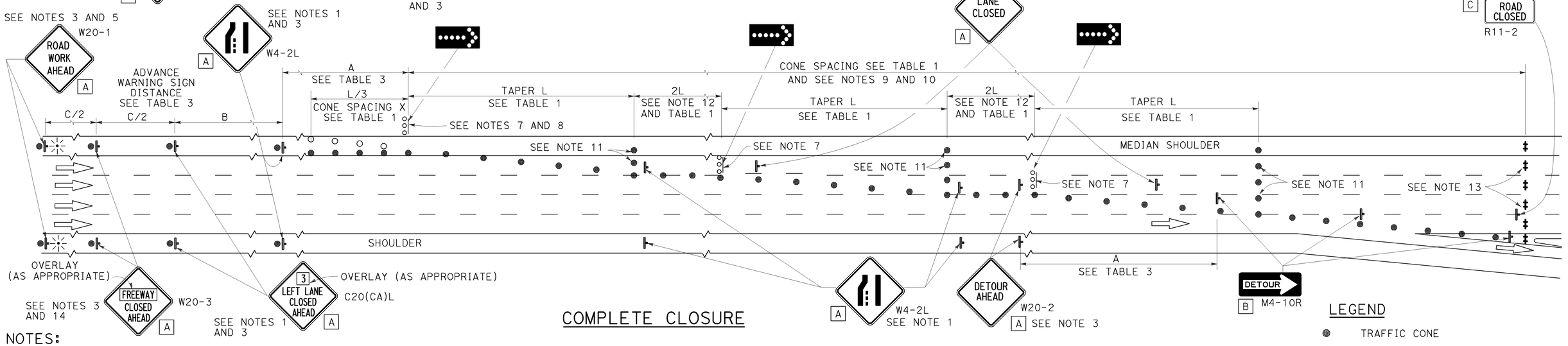
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



LANE CLOSURE WITH PARTIAL SHOULDER USE



COMPLETE CLOSURE

NOTES:

1. Lane closures on the right side using partial median shoulder as a traffic lane shall conform to the details as shown except that C20(CA)R and W4-2R signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" X 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
4. A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.
5. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT ___ MILES", use a C20(CA) sign for the first advance warning sign.
6. Place a C30(CA) sign every 2000' throughout length of lane closure.
7. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
8. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
9. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
10. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
11. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure With Partial Shoulder Use" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
12. Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
13. A minimum of Two Type II or III barricades shall be placed across each closed lane and shoulder at the location shown and every 2000' within the complete closure area. Within the complete closure area, the transverse alignment of the barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
14. When specified in the special provisions, a W20-2 "DETOUR AHEAD" sign is to be used in place of the W20-3 "FREEWAY CLOSED AHEAD" sign.

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 18"
- C 48" x 30"

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURES ON FREEWAYS AND EXPRESSWAYS

NO SCALE

RSP T10A DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10A DATED MAY 20, 2011 - PAGE 238 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10A

2010 REVISED STANDARD PLAN RSP T10A

12-18-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	70	86

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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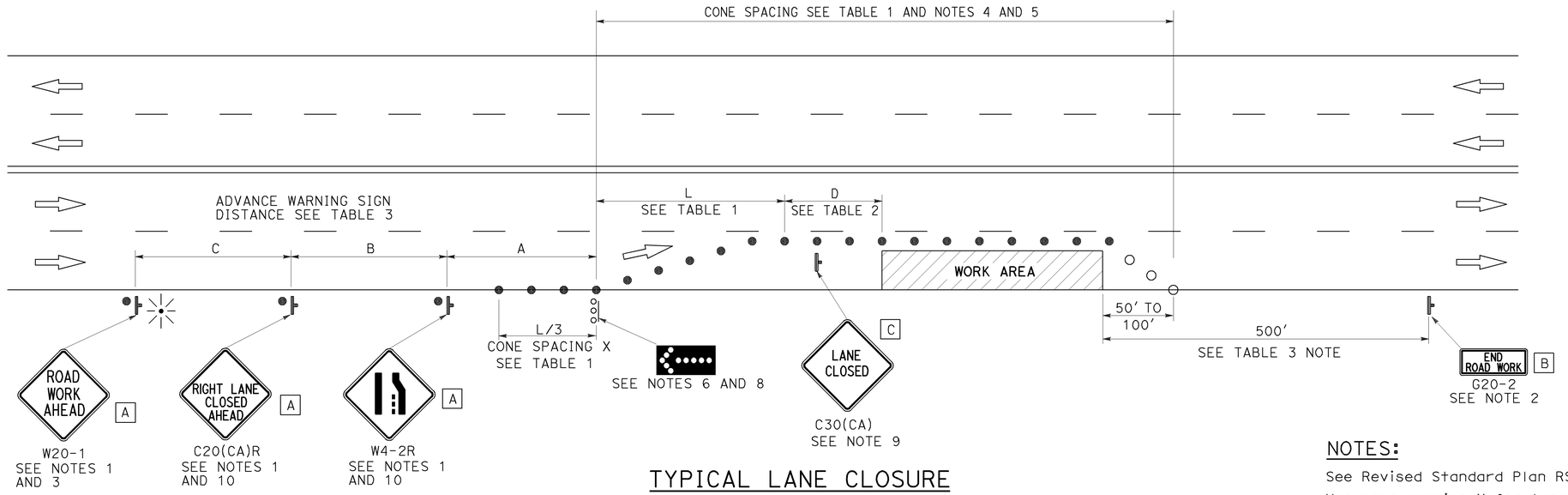
TO ACCOMPANY PLANS DATED 3-17-14



TYPICAL LANE CLOSURE

NOTES:

See Revised Standard Plan RSP T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

NOTES:

1. Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
2. A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
3. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
4. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
5. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
6. Flashing arrow sign shall be either Type I or Type II.
7. For approach speeds over 50 mph, use the "Traffic Control System for Lane Closure On Freeways And Expressways" plan for lane closure details and requirements.
8. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
9. Place a C30(CA) sign every 2000' throughout length of lane closure.
10. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
11. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 36" x 18"
- C 30" x 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

RSP T11 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T11 DATED MAY 20, 2011 - PAGE 239 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T11

2010 REVISED STANDARD PLAN RSP T11

4-2-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	71	86

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Gurinderpal Bhullar — No. C48815 — Exp. 9-30-14 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.

TO ACCOMPANY PLANS DATED 3-17-14

LEGEND

- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 24" x 24"
- C 36" x 18"

NOTES:

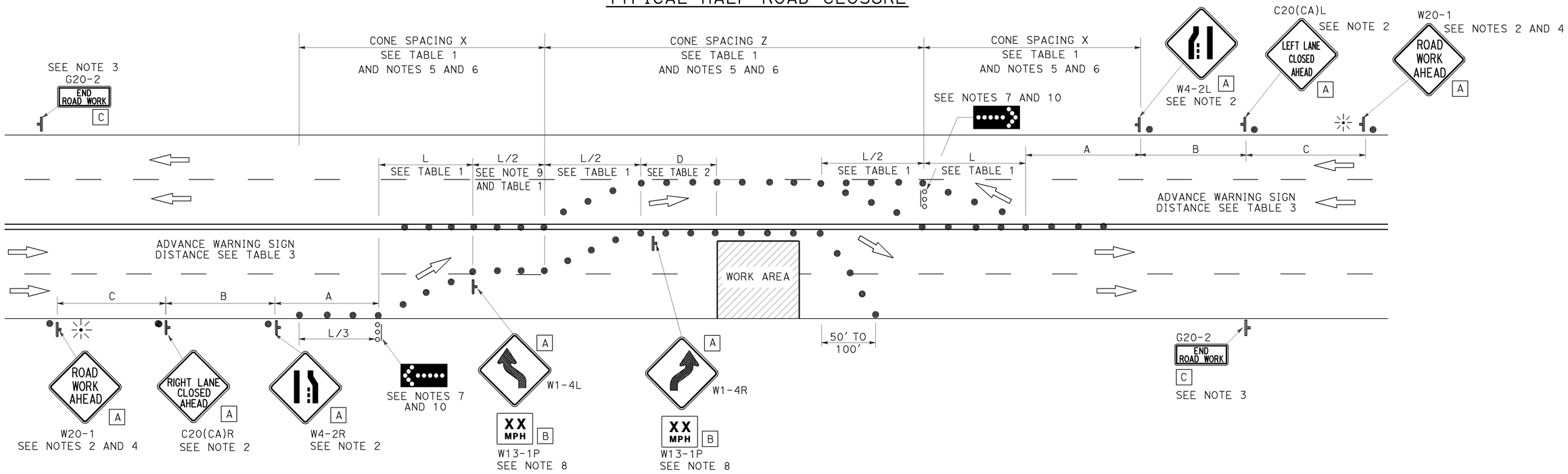
See Revised Standard Plan RSP T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

TYPICAL HALF ROAD CLOSURE



NOTES:

1. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.
2. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
4. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Flashing arrow signs shall be either Type I or Type II.
8. Advisory speed will be determined by the Engineer. The W13-1P Plaque will not be required when advisory speed is more than the posted or maximum speed limit.
9. Unless otherwise specified in the special provisions, the tangent (L/2) shall be used.
10. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR HALF ROAD CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS AND EXPRESSWAYS

NO SCALE

RSP T12 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T12
DATED MAY 20, 2011 - PAGE 240 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T12

2010 REVISED STANDARD PLAN RSP T12

4-2-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	72	86

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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

TO ACCOMPANY PLANS DATED 3-17-14

NOTES:

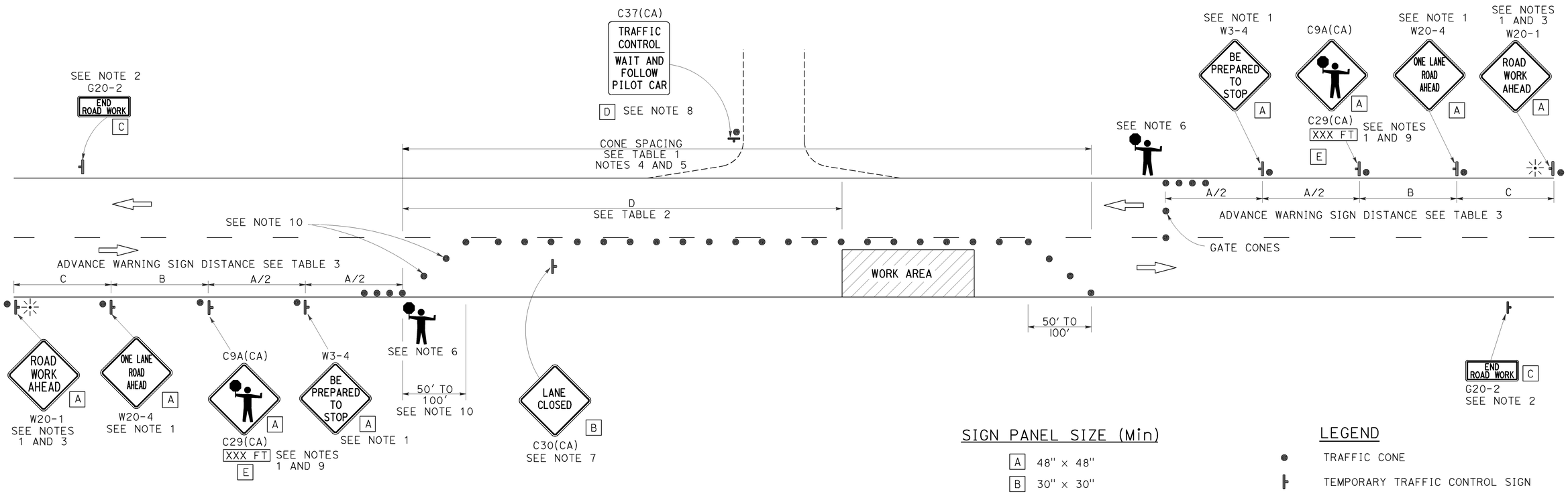
See Revised Standard Plan RSP T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



NOTES:

1. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
2. A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
3. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a W20-4 sign for the first advance warning sign.
4. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
5. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
6. Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
7. Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
8. When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within traffic control area. Signs shall be clean and visible at all times. Where traffic can not be effectively self-regulated, at least one flagger shall be used at each intersection within traffic control area.
9. An optional C29(CA) sign may be placed below the C9A(CA) sign.
10. Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.

SIGN PANEL SIZE (Min)

A	48" x 48"
B	30" x 30"
C	36" x 18"
D	36" x 42"
E	20" x 7"

LEGEND

- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- PORTABLE FLASHING BEACON
- FLAGGER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

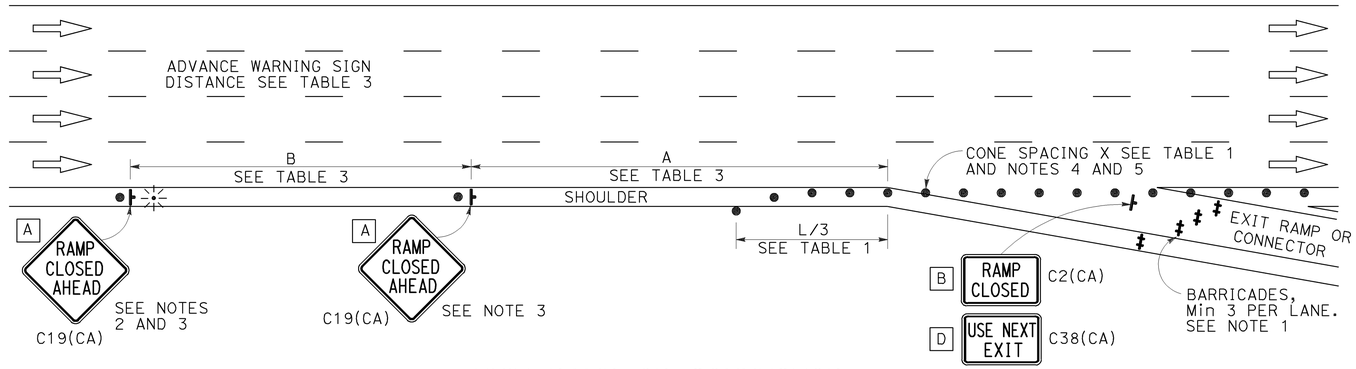
RSP T13 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T13 DATED MAY 20, 2011 - PAGE 241 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T13

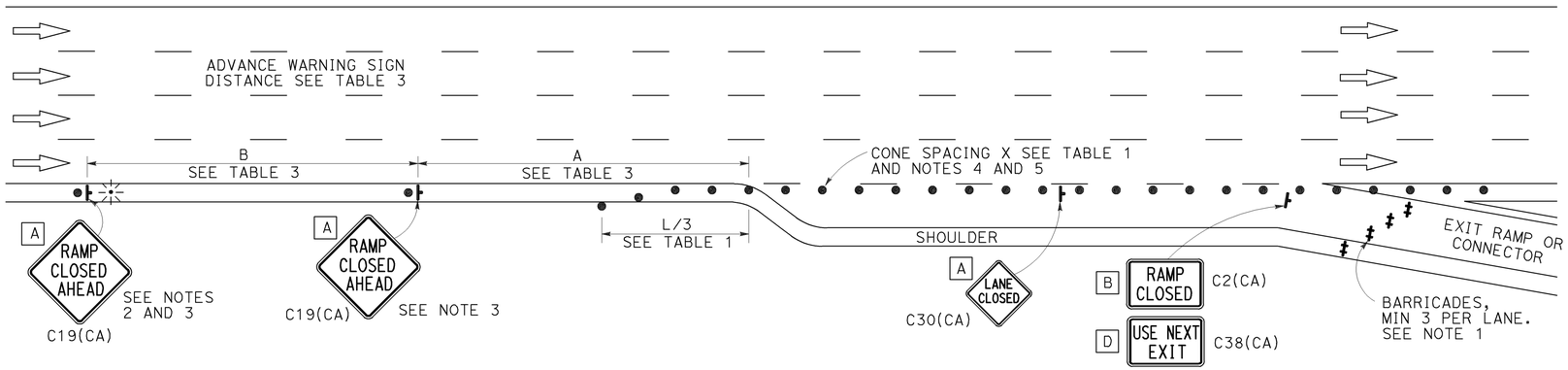
2010 REVISED STANDARD PLAN RSP T13

4-2-13

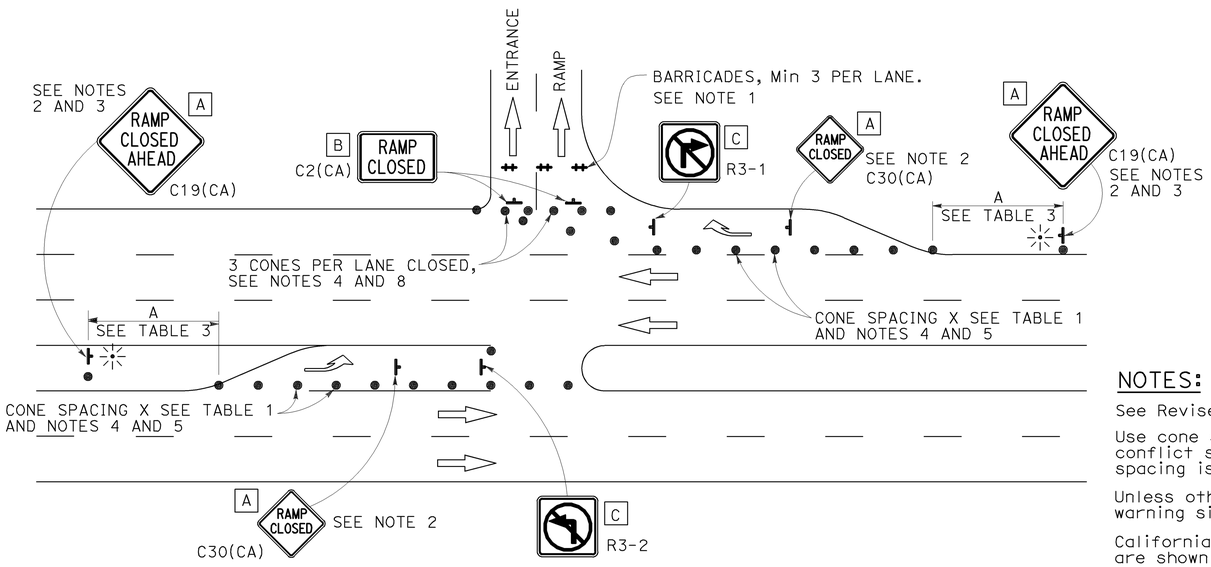
TYPICAL RAMP CLOSURES



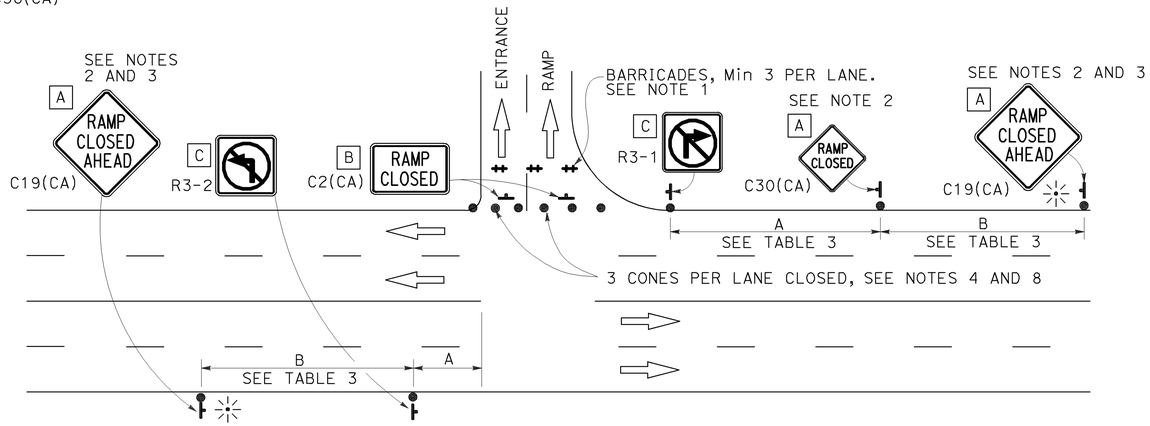
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

SIGN PANEL SIZE (Min)

- A 48" × 48"
- B 48" × 30"
- C 36" × 36"
- D 48" × 36"

LEGEND

- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- BARRICADES
- PORTABLE FLASHING BEACON

NOTES:

1. Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
2. In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
3. Each advance C19(CA) "RAMP CLOSED AHEAD" sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" × 16" in size and shall be orange or fluorescent red-orange in color. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
4. All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
5. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
6. At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
7. The existing "EXIT" signs shall be covered during ramp closures.
8. A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.

NOTES:

See Revised Standard Plan RSP T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	73	86

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
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.

TO ACCOMPANY PLANS DATED 3-17-14

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURE

NO SCALE

RSP T14 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T14
DATED MAY 20, 2011 - PAGE 242 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T14

2010 REVISED STANDARD PLAN RSP T14

12-18-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd	15,40,127 58,95,247	Var	74	86

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

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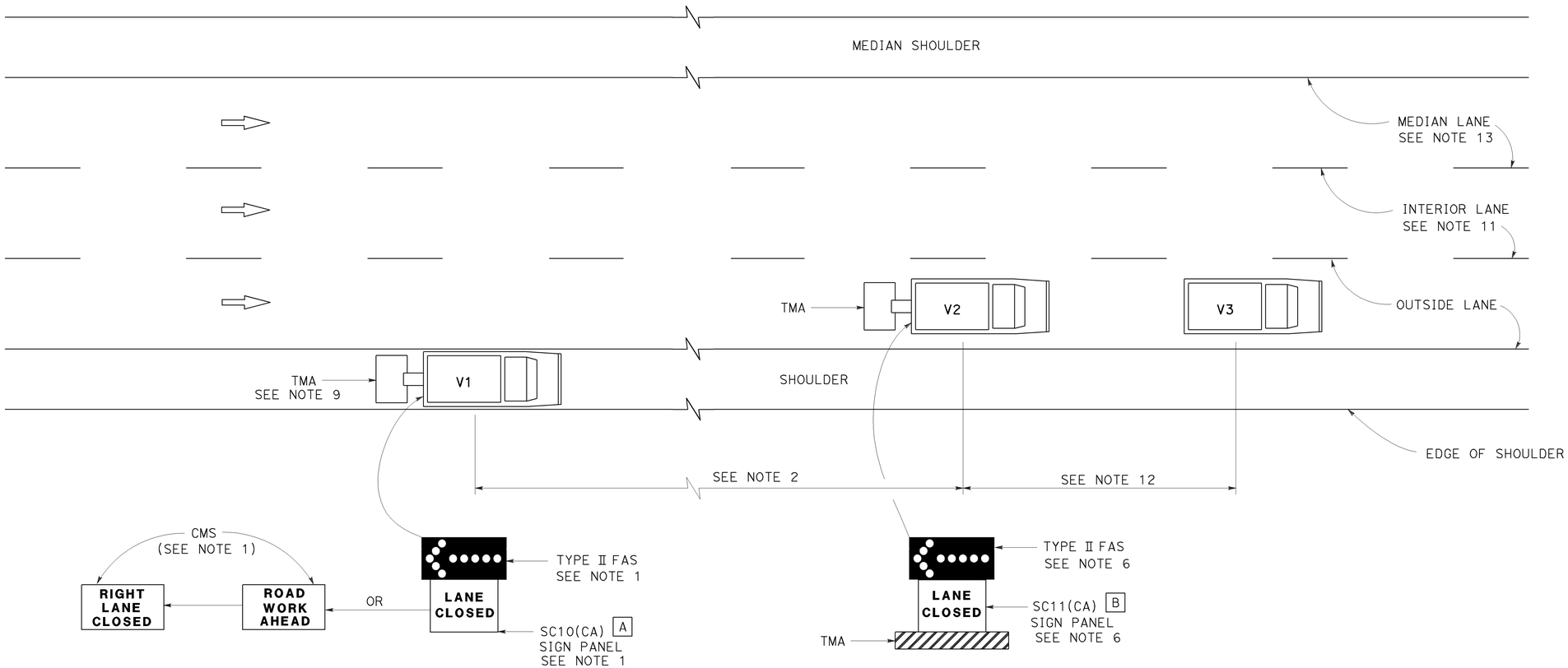
TO ACCOMPANY PLANS DATED 3-17-14



SIGN PANEL SIZE (Min)

A 66" x 36"

B 54" x 42"

LEGEND

V1	SIGN VEHICLE
V2	SHADOW VEHICLE
V3	WORK/APPLICATION VEHICLE
	FLASHING ARROW SIGN (FAS)
CMS	CHANGEABLE MESSAGE SIGN
TMA	TRUCK-MOUNTED ATTENUATOR

MOVING LANE CLOSURE ON MEDIAN LANE OR OUTSIDE LANE OF MULTILANE HIGHWAYS

NOTES:

1. Either a changeable message sign or a SC10(CA) sign panel and a Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1. The changeable message sign shall be sequenced to show the "ROAD WORK AHEAD" message first, followed by the "RIGHT LANE CLOSED" message. For median lane closure, the flashing arrow symbol shall be reversed with the arrowhead on the right and the changeable message sign shall show "LEFT LANE CLOSED".
2. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.
3. A minimum sight distance of 1500′ should be provided in advance of sign vehicle V1.
4. Sign vehicle V1 should remain at the beginning of horizontal or vertical curves until the other vehicles (V2 and V3) are far enough beyond the curve to resume the minimum sight distance of 1500′.
5. Vehicle-mounted sign panels shall have Type III or above retroreflective sheeting, black on white, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.
6. Shadow vehicle V2 shall be equipped with a truck-mounted attenuator. The sign panel shown and a Type II flashing arrow sign shall be mounted on the rear of shadow vehicle V2. For median lane closure the flashing arrow sign symbol shall be displayed with the arrowhead on the right.
7. All vehicles used for lane closures shall be equipped with two-way radios, and the vehicle operators shall maintain communication during the work or application operation.
8. All vehicles shall be equipped with flashing or rotating amber lights.
9. If sign vehicle V1 encroaches into the traffic lane due to insufficient shoulder width, sign vehicle V1 shall be equipped with a truck-mounted attenuator. Sign vehicle V1 shall stay as close to the edge of shoulder as practicable.
10. Where workers would be on foot in the work area, a stationary type lane closure (Revised Standard Plan T10, T11, etc., as applicable) shall be used instead of this plan.
11. For moving lane closure on interior lane of multilane highways, use Revised Standard Plan T16.
12. The spacing between work vehicle(s) and the shadow vehicles, and between each shadow vehicle should be minimized to deter road users from driving in between.
13. When the work/application vehicle V3 occupies the median lane, sign vehicle V1 should drive in the median shoulder and indicate left lane closed ahead.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR MOVING LANE CLOSURE ON MULTILANE HIGHWAYS

NO SCALE

RSP T15 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T15
DATED MAY 20, 2011 - PAGE 243 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T15

2010 REVISED STANDARD PLAN RSP T15

12-18-12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD	15,40,58, 95,127,247	Var	75	86

REGISTERED CIVIL ENGINEER — 11-26-13 DATE

3-17-14
PLANS APPROVAL DATE

EDWARD J. NAHM No. C66900 Exp. 09/30/14 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare bridge approach slab surface and treat existing approach slab with high molecular weight methacrylate.

Indicates location of clean expansion joint and placement of new joint seal.

STANDARD PLANS DATED 2010

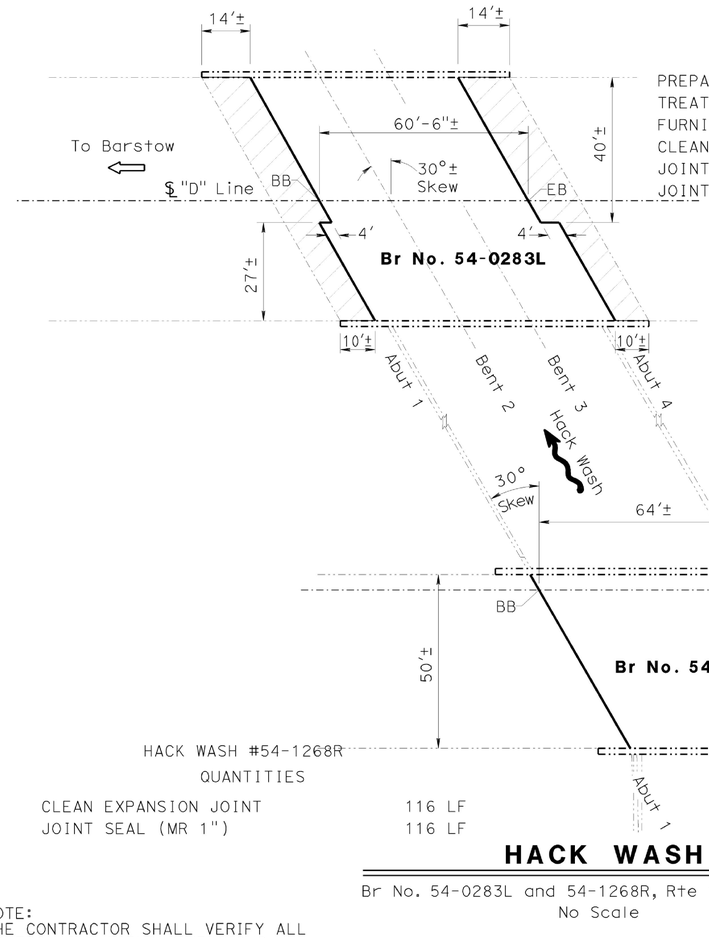
SHEET NO.	TITLE
A10A	ABBREVIATIONS (SHEET 1 OF 2)
RSP A10B	ABBREVIATIONS (SHEET 2 OF 2)
A10C	LINES AND SYMBOLS (SHEET 1 OF 3)
A10D	LINES AND SYMBOLS (SHEET 2 OF 3)
A10E	LINES AND SYMBOLS (SHEET 3 OF 3)
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

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	JOINT SEAL TABLE
11	MISCELLANEOUS DETAILS NO. 1
12	MISCELLANEOUS DETAILS NO. 2



HACK WASH #54-0283L
QUANTITIES

PREPARE CONCRETE BRIDGE DECK	1,660 SQFT
TREAT BRIDGE DECK	1,660 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	21 GAL
CLEAN EXPANSION JOINT	164 LF
JOINT SEAL (MR 1 ½")	156 LF
JOINT SEAL (TYPE AL)	8 LF

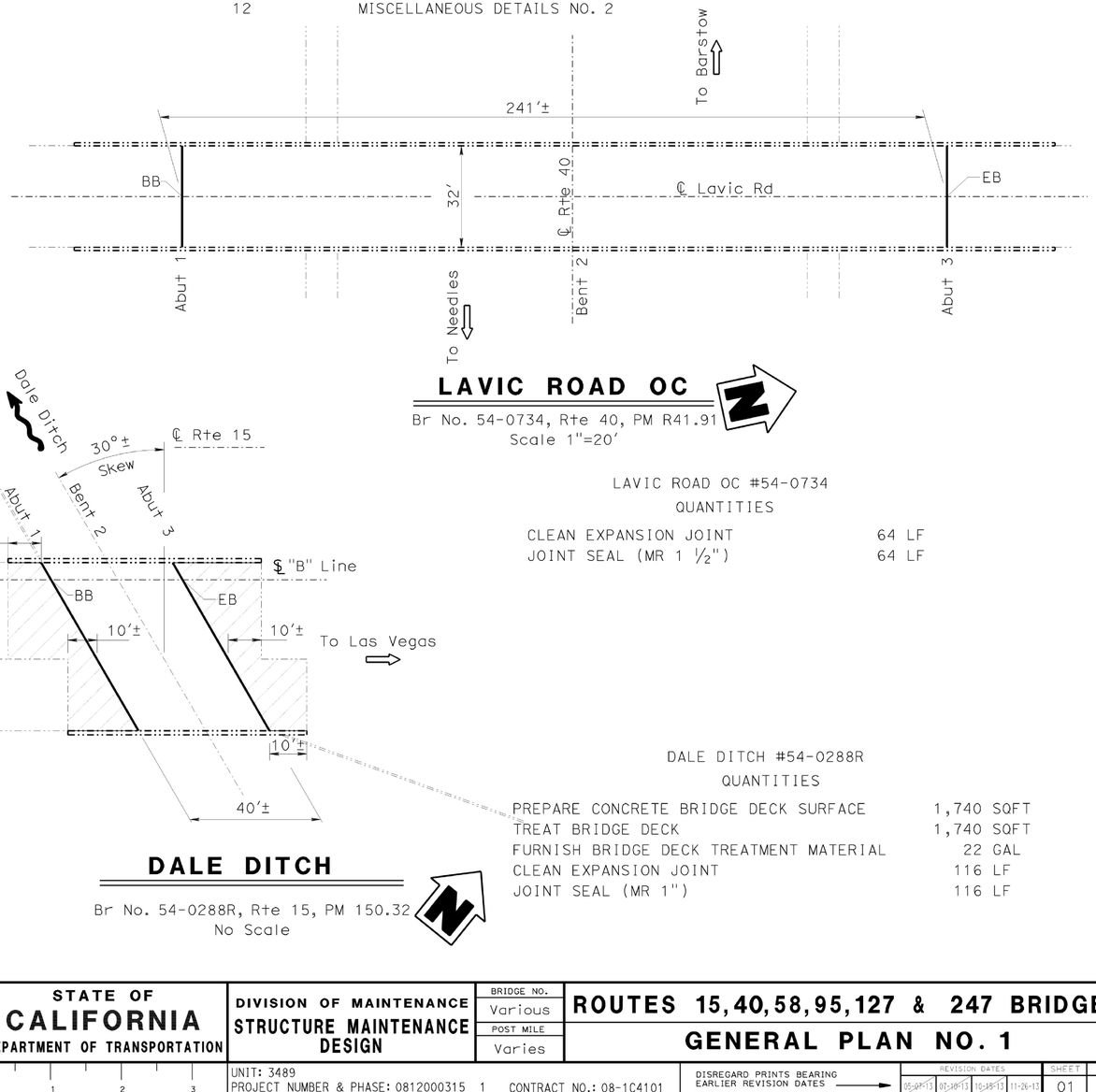
HACK WASH #54-1268R
QUANTITIES

CLEAN EXPANSION JOINT	116 LF
JOINT SEAL (MR 1")	116 LF

HACK WASH

Br No. 54-0283L and 54-1268R, Rte 15, PM 142.26
No Scale

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

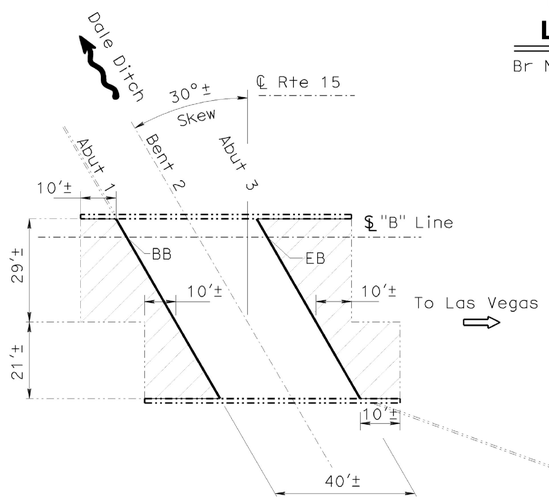


LAVIC ROAD OC

Br No. 54-0734, Rte 40, PM R41.91
Scale 1"=20'

LAVIC ROAD OC #54-0734
QUANTITIES

CLEAN EXPANSION JOINT	64 LF
JOINT SEAL (MR 1 ½")	64 LF



DALE DITCH

Br No. 54-0288R, Rte 15, PM 150.32
No Scale

DALE DITCH #54-0288R
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	1,740 SQFT
TREAT BRIDGE DECK	1,740 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	22 GAL
CLEAN EXPANSION JOINT	116 LF
JOINT SEAL (MR 1")	116 LF

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	Edward Nahm	Tony Brake			
DETAILS	Clayton Tom	Edward Nahm	LAYOUT	Clayton Tom	Edward Nahm
QUANTITIES	Edward Nahm	Tony Brake	SPECIFICATIONS	Xiaodong Chen	PLANS AND SPECS COMPARED Xiaodong Chen

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTES 15,40,58,95,127 & 247 BRIDGES
GENERAL PLAN NO. 1

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0812000315 1 CONTRACT NO.: 08-1C4101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
05-07-13	07-10-13	10-18-13	11-26-13	01	12

FILE => 08-1c4101-a-gp01.dgn

USERNAME => S117283 DATE PLOTTED => 02 DEC 2013 TIME PLOTTED => 08:56

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD	15,40,58, 95,127,247	Var	76	86

REGISTERED CIVIL ENGINEER — 11-26-13 DATE

EDWARD J. NAHM — REGISTERED PROFESSIONAL ENGINEER — No. C66900 Exp. 09/30/14 CIVIL — STATE OF CALIFORNIA

3-17-14
PLANS APPROVAL DATE

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

LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates location of clean expansion and placement of new joint seal.

Indicates limits of prepare concrete bridge deck surface, furnish and place new ¾" thick min and varies polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete. Polyester concrete shall be placed in one lift. Survey grades of the existing bridge deck surface shall be provided prior to placing the polyester concrete overlay.

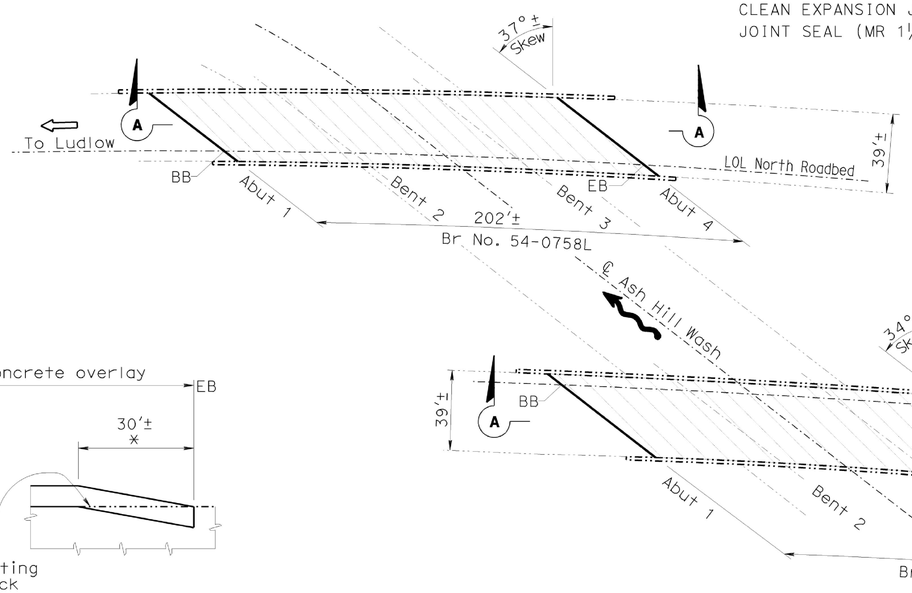
NOTE:

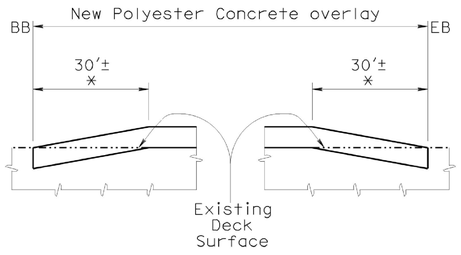
1. For deck repair detail-overlay, see "MISCELLANEOUS DETAILS NO. 2 " sheet.

ASH HILL WASH #54-0758L

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	20 CF
REMOVE CONCRETE DECK SURFACE	2,340 SQFT
REMOVE UNSOUND CONCRETE	20 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	7,878 SQFT
FURNISH POLYESTER CONCRETE OVERLAY	591 CF
PLACE POLYESTER CONCRETE OVERLAY	7,878 SQFT
CLEAN EXPANSION JOINT	98 LF
JOINT SEAL (MR 1½")	98 LF





SECTION A-A

No Scale

* Limits of remove concrete deck surfacing 0 inch min to ¾ inch maximum full width. Grind flush to conform with existing profile.

ASH HILL WASH

Br No. 54-0758L/R, Rte 40, PM R54.75
No Scale

ASH HILL WASH #54-0758R

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	19 CF
REMOVE CONCRETE DECK SURFACE	2,340 SQFT
REMOVE UNSOUND CONCRETE	19 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	7,488 SQFT
FURNISH POLYESTER CONCRETE OVERLAY	562 CF
PLACE POLYESTER CONCRETE OVERLAY	7,488 SQFT
CLEAN EXPANSION JOINT	98 LF
JOINT SEAL (MR 1½")	98 LF

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

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Edward Nahm	CHECKED Tony Brake	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
DETAILS	BY Clayton Tom	CHECKED Edward Nahm	LAYOUT	BY Clayton Tom	CHECKED Edward Nahm	
QUANTITIES	BY Edward Nahm	CHECKED Tony Brake	SPECIFICATIONS	BY Xiaodong Chen	PLANS AND SPECS COMPARED Xiaodong Chen	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTES 15,40,58,95,127 & 247 BRIDGES
GENERAL PLAN NO. 2

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0812000315 1 CONTRACT NO.: 08-1C4101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
05-09-13	07-30-13	10-25-13	11-26-13	02	12

FILE => 08-1c4101-a-gp02.dgn

USERNAME => s117283 DATE PLOTTED => 02-DEC-2013 TIME PLOTTED => 06:57

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD	15,40,58, 95,127,247	Var	77	86

REGISTERED CIVIL ENGINEER — 11-26-13 DATE

EDWARD J. NAHM — REGISTERED PROFESSIONAL ENGINEER — No. C66900 — Exp. 09/30/14 — CIVIL — STATE OF CALIFORNIA

3-17-14
PLANS APPROVAL DATE

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

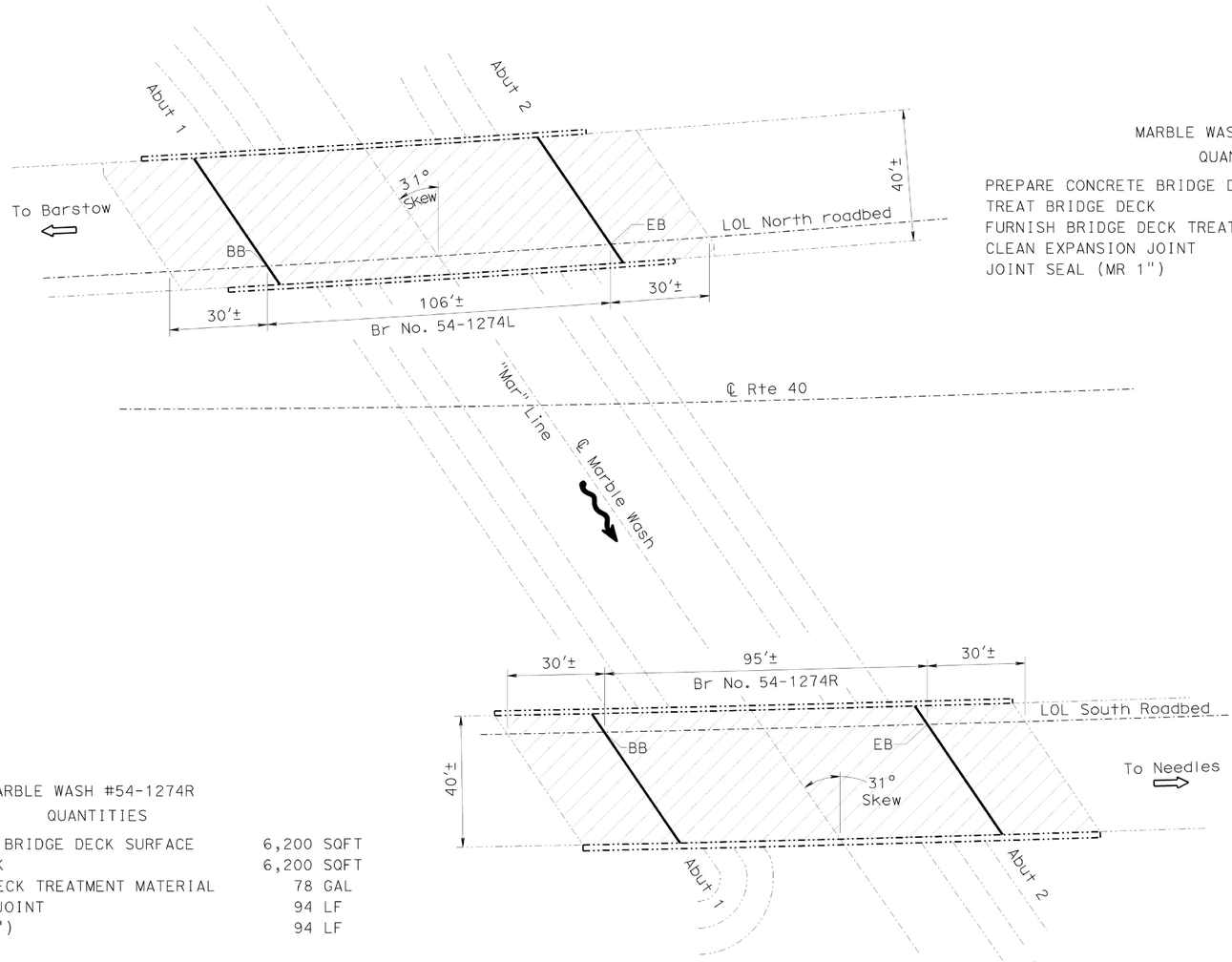
LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.

Indicates location of clean expansion and placement of new joint seal.



MARBLE WASH

Br No. 54-1274L/R, Rte 40, PM R80.44
No Scale

MARBLE WASH #54-1274L
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	6,640 SQFT
TREAT BRIDGE DECK	6,640 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	83 GAL
CLEAN EXPANSION JOINT	94 LF
JOINT SEAL (MR 1")	94 LF

MARBLE WASH #54-1274R
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	6,200 SQFT
TREAT BRIDGE DECK	6,200 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	78 GAL
CLEAN EXPANSION JOINT	94 LF
JOINT SEAL (MR 1")	94 LF

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

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	Edward Nahm	Tony Brake			
DETAILS	Clayton Tom	Edward Nahm	LAYOUT	Clayton Tom	Edward Nahm
QUANTITIES	Edward Nahm	Tony Brake	SPECIFICATIONS	Xiaodong Chen	Xiaodong Chen (PLANS AND SPECS COMPARED)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTES 15,40,58,95,127 & 247 BRIDGES
GENERAL PLAN NO. 3

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0812000315 1 CONTRACT NO.: 08-1C4101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES			SHEET	OF
05-09-13	07-30-13	10-18-13	11-26-13	03	12

FILE => 08-1c4101-a-gp03.dgn

USERNAME => s117283 DATE PLOTTED => 02-DEC-2013 TIME PLOTTED => 08:57

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD	15,40,58, 95,127,247	Var	78	86

REGISTERED CIVIL ENGINEER — 11-26-13 DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/14 — CIVIL — STATE OF CALIFORNIA

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

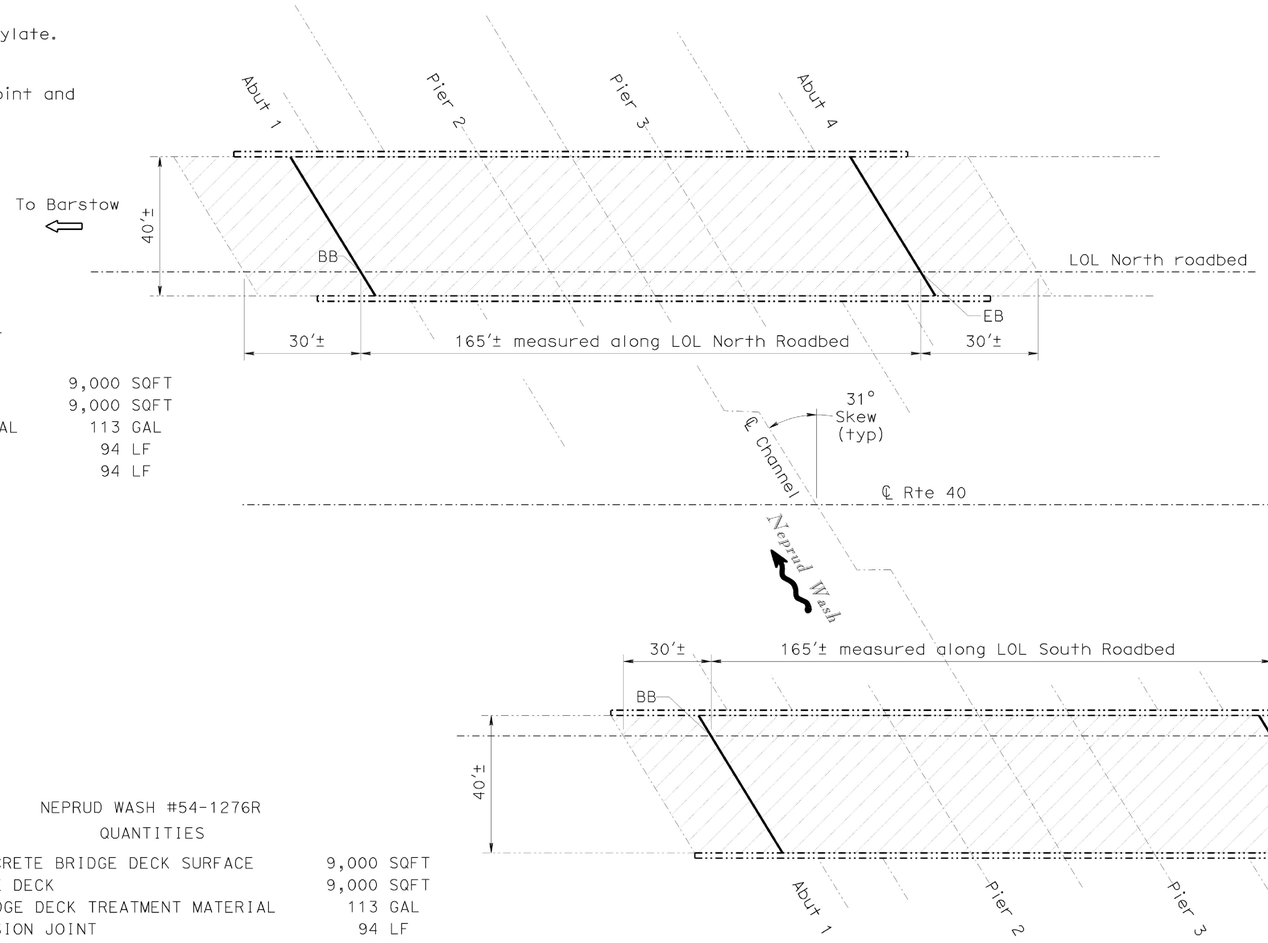
LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.

Indicates location of clean expansion joint and placement of new joint seal.



NEPRUD WASH #54-1276L
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	9,000 SQFT
TREAT BRIDGE DECK	9,000 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	113 GAL
CLEAN EXPANSION JOINT	94 LF
JOINT SEAL (MR 1")	94 LF

NEPRUD WASH #54-1276R
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	9,000 SQFT
TREAT BRIDGE DECK	9,000 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	113 GAL
CLEAN EXPANSION JOINT	94 LF
JOINT SEAL (MR 1")	94 LF

NEPRUD WASH

Br No. 54-1276L/R, Rte 40, PM R91.64
No Scale

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

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	Edward Nahm	Tony Brake			
DETAILS	Clayton Tom	Edward Nahm	LAYOUT	Clayton Tom	Edward Nahm
QUANTITIES	Edward Nahm	Tony Brake	SPECIFICATIONS	Xiaodong Chen	PLANS AND SPECS COMPARED Xiaodong Chen

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTES 15,40,58,95,127 & 247 BRIDGES
GENERAL PLAN NO. 4

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0812000315 1 CONTRACT NO.: 08-1C4101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
05-09-13	07-18-13	09-09-13	11-26-13	04	12

FILE => 08-1c4101-a-gp04.dgn

USERNAME => s117283 DATE PLOTTED => 02 DEC 2013 TIME PLOTTED => 08:58

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD	15,40,58, 95,127,247	Var	79	86

11-26-13
REGISTERED CIVIL ENGINEER — DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/14 — CIVIL — STATE OF CALIFORNIA

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LEGEND:

Indicates existing.

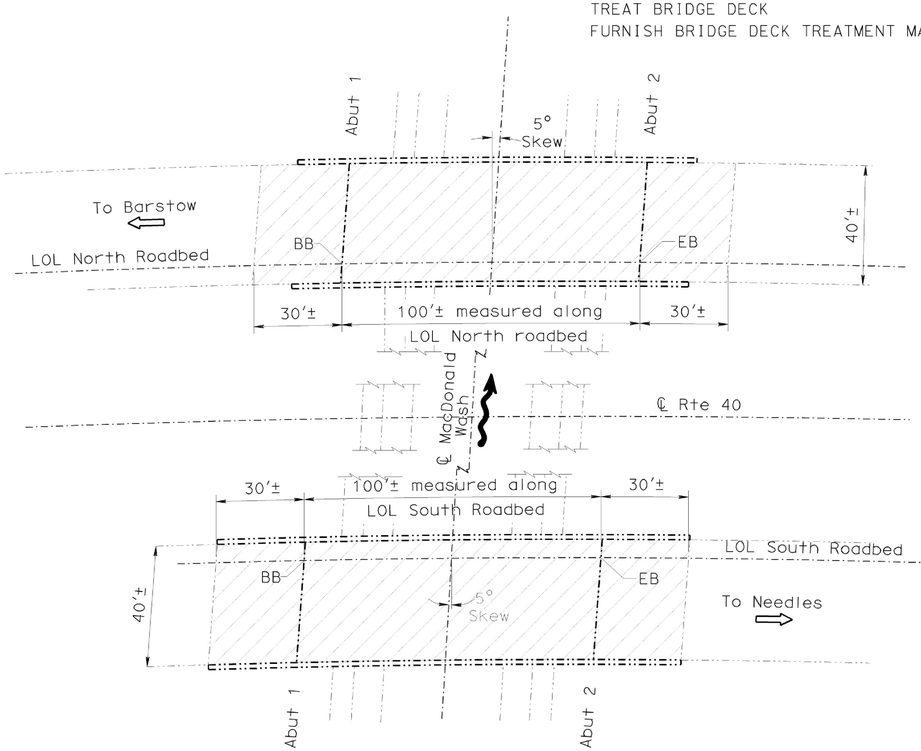
Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.

Indicates location of clean expansion joint and placement of new joint seal.

MACDONALD WASH #54-1277L
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	6,400 SQFT
TREAT BRIDGE DECK	6,400 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	80 GAL



MACDONALD WASH

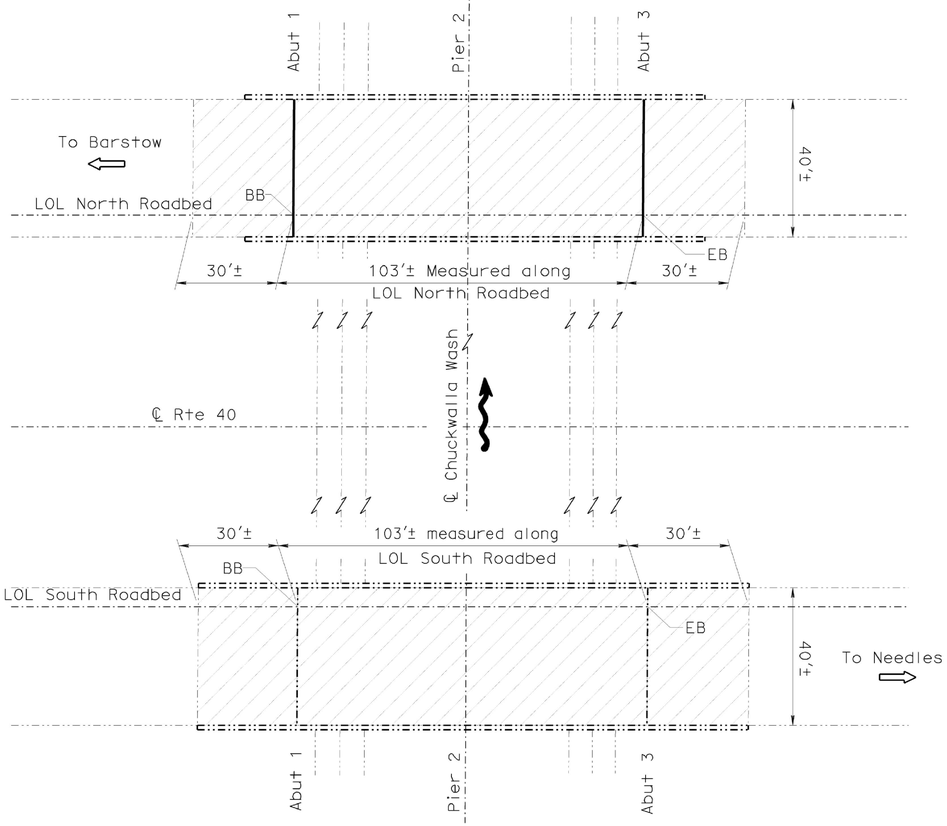
Br No. 54-1277L/R, Rte 40, PM R94.37
No Scale

MACDONALD WASH #54-1277R
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	6,400 SQFT
TREAT BRIDGE DECK	6,400 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	80 GAL

CHUCKWALLA WASH #54-1278L
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	6,520 SQFT
TREAT BRIDGE DECK	6,520 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	82 GAL
CLEAN EXPANSION JOINT	80 LF
JOINT SEAL (MR 1")	80 LF



CHUCKWALLA WASH

Br No. 54-1278L/R, Rte 40, PM R97.14
No Scale

CHUCKWALLA WASH #54-1278R
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	6,520 SQFT
TREAT BRIDGE DECK	6,520 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	82 GAL

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

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Edward Nahm	Tony Brake
DETAILS	Clayton Tom	Edward Nahm
QUANTITIES	Edward Nahm	Tony Brake

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

	BY	CHECKED
LAYOUT	Clayton Tom	Edward Nahm
SPECIFICATIONS	Xiaodong Chen	PLANS AND SPECS COMPARED: Xiaodong Chen

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTES 15,40,58,95,127 & 247 BRIDGES
GENERAL PLAN NO. 5

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0812000315 1 CONTRACT NO.: 08-1C4101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
05-09-13	07-30-13	09-09-13	11-26-13	05	12

FILE => 08-1c4101-a-gp05.dgn

USERNAME => s117283 DATE PLOTTED => 02-DEC-2013 TIME PLOTTED => 06:58

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD	15,40,58, 95,127,247	Var	80	86

REGISTERED CIVIL ENGINEER — 11-26-13 DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/14 — CIVIL — STATE OF CALIFORNIA

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LEGEND:

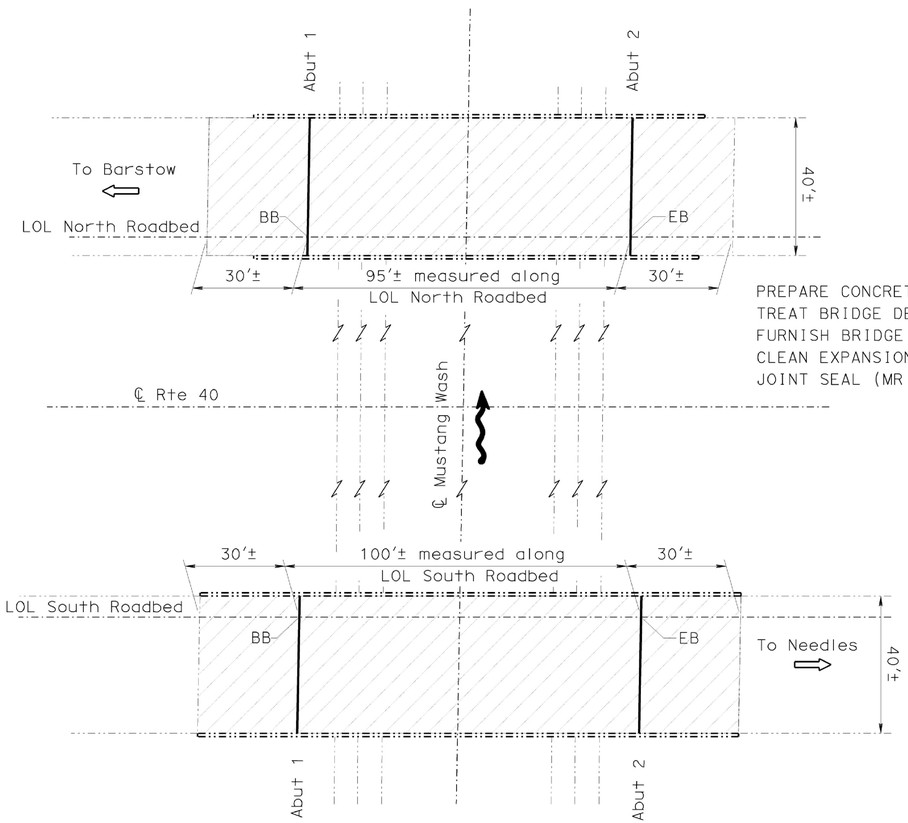
Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.

Indicates limits of removal of existing 1/8"± thick chip seal, full width of bridge deck.

Indicates location of clean expansion joint and placement of new joint seal.



MUSTANG WASH #54-1279L

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	6,200 SQFT
TREAT BRIDGE DECK	6,200 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	78 GAL
CLEAN EXPANSION JOINT	80 LF
JOINT SEAL (MR 1½")	80 LF

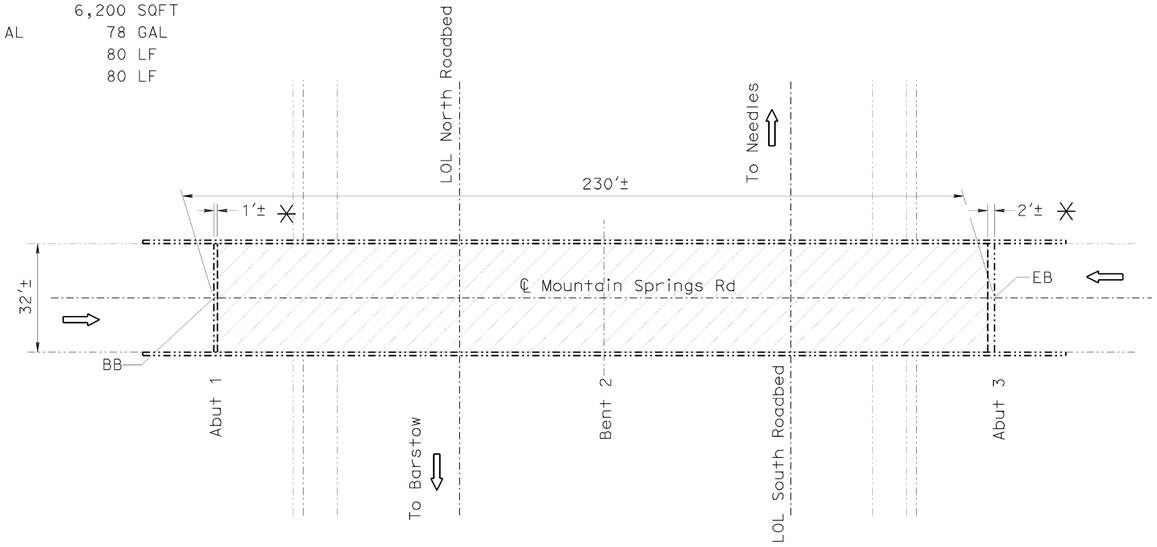
MUSTANG WASH

Br No. 54-1279L/R, Rte 40, PM R97.62
No Scale

MUSTANG WASH #54-1279R

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	6,400 SQFT
TREAT BRIDGE DECK	6,400 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	80 GAL
CLEAN EXPANSION JOINT	80 LF
JOINT SEAL (MR 1½")	80 LF



MOUNTAIN SPRINGS ROAD OC

Br No. 54-0855, Rte 40, PM R115.20
No Scale

MOUNTAIN SPRINGS ROAD OC #54-0855

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	7,360 SQFT
TREAT BRIDGE DECK	7,360 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	92 GAL
REMOVE CHIP SEAL	96 SQFT

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

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Edward Nahm	Tony Brake
DETAILS	Clayton Tom	Edward Nahm
QUANTITIES	Edward Nahm	Tony Brake

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

	BY	CHECKED
LAYOUT	Clayton Tom	Edward Nahm
SPECIFICATIONS	Xiaodong Chen	PLANS AND SPECS COMPARED: Xiaodong Chen

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTES 15,40,58,95,127 & 247 BRIDGES
GENERAL PLAN NO. 6

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0812000315 1 CONTRACT NO.: 08-1C4101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
05-01-13	07-30-13	10-25-13	11-26-13	06	12

FILE => 08-1c4101-a-gp06.dgn

USERNAME => s117283 DATE PLOTTED => 02-DEC-2013 TIME PLOTTED => 06:58

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD	15,40,58, 95,127,247	Var	81	86

REGISTERED CIVIL ENGINEER — 11-26-13 DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/14 — CIVIL — STATE OF CALIFORNIA

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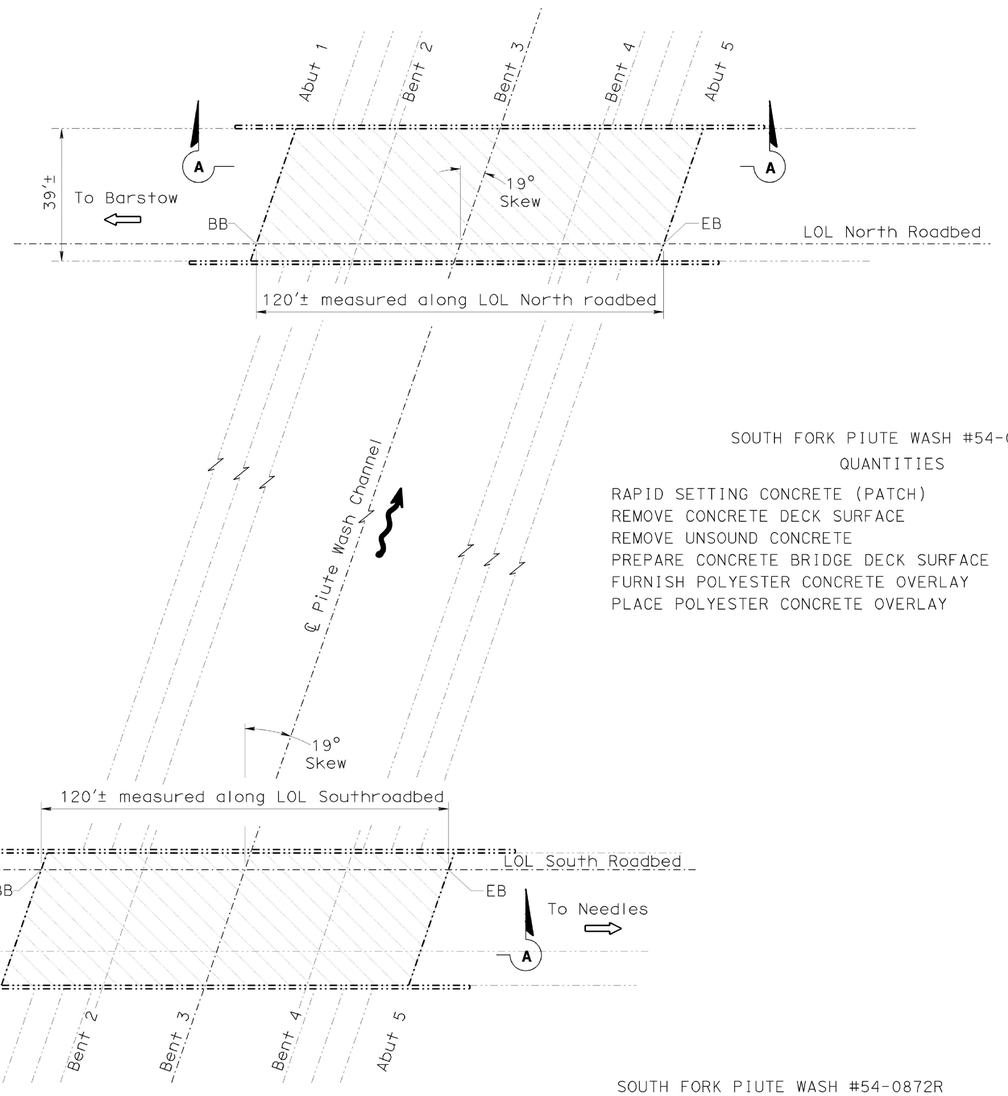


LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface, furnish and place new ¾" thick min and varies polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete. Polyester concrete shall be placed in one lift. Survey grades of the existing bridge deck surface shall be provided prior to placing the polyester concrete overlay.

NOTE:

1. For deck repair detail-overlay, see "MISCELLANEOUS DETAILS NO. 2 " sheet.

SOUTH FORK PIUTE WASH #54-0872L

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	12 CF
REMOVE CONCRETE DECK SURFACE	2,340 SQFT
REMOVE UNSOUND CONCRETE	12 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	4,680 SQFT
FURNISH POLYESTER CONCRETE OVERLAY	351 CF
PLACE POLYESTER CONCRETE OVERLAY	4,680 SQFT

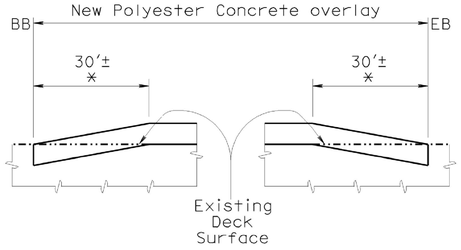
SOUTH FORK PIUTE WASH

Br No. 54-0872L/R, Rte 40, PM R134
No Scale

SOUTH FORK PIUTE WASH #54-0872R

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	12 CF
REMOVE CONCRETE DECK SURFACE	2,340 SQFT
REMOVE UNSOUND CONCRETE	12 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	4,680 SQFT
FURNISH POLYESTER CONCRETE OVERLAY	351 CF
PLACE POLYESTER CONCRETE OVERLAY	4,680 SQFT



SECTION A-A

No Scale

* Limits of remove concrete deck surfacing 0 inch min to ¾ inch maximum full width. Grind flush to conform with existing profile.

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

TONY D. BRAKE
DESIGN ENGINEER

DESIGN	BY Edward Nahm	CHECKED Tony Brake	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	BY Clayton Tom	CHECKED Edward Nahm	LAYOUT	BY Clayton Tom	CHECKED Edward Nahm
QUANTITIES	BY Edward Nahm	CHECKED Tony Brake	SPECIFICATIONS	BY Xiaodong Chen	PLANS AND SPECS COMPARED Xiaodong Chen

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTES 15,40,58,95,127 & 247 BRIDGES
GENERAL PLAN NO. 7

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0812000315 1 CONTRACT NO.: 08-1C4101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
05-09-13	07-10-13	10-18-13	11-26-13	07	12

FILE => 08-1c4101-a-gp07.dgn

USERNAME => s1172783 DATE PLOTTED => 02 DEC 2013 TIME PLOTTED => 06:58

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD	15,40,58, 95,127,247	Var	82	86

REGISTERED CIVIL ENGINEER — 11-26-13 DATE

EDWARD J. NAHM — REGISTERED PROFESSIONAL ENGINEER — No. C66900 — Exp. 09/30/14 — CIVIL — STATE OF CALIFORNIA

3-17-14
PLANS APPROVAL DATE

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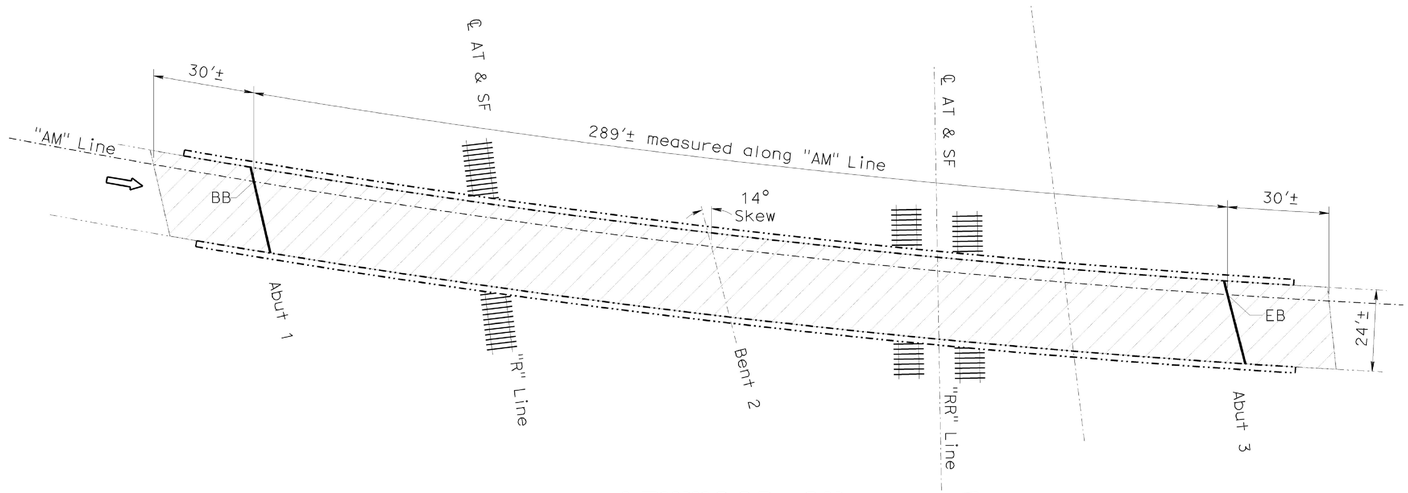
LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.

Indicates location of clean expansion joint and placement of new joint seal.



LENWOOD OH

Br No. 54-1112S, Rte 58 PM R33.54
No Scale

LENWOOD OH #54-1112S

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	8,376 SQFT
TREAT BRIDGE DECK	8,376 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	105 GAL
CLEAN EXPANSION JOINT	50 LF
JOINT SEAL (MR 2")	50 LF

NOTE:
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TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Edward Nahm	Tony Brake
DETAILS	Clayton Tom	Edward Nahm
QUANTITIES	Edward Nahm	Tony Brake

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

	BY	CHECKED
LAYOUT	Clayton Tom	Edward Nahm
SPECIFICATIONS	Xiaodong Chen	Xiaodong Chen

PLANS AND SPECS COMPARED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTES 15,40,58,95,127 & 247 BRIDGES
GENERAL PLAN NO. 8

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0812000315 1 CONTRACT NO.: 08-1C4101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
05-09-13	07-18-13	10-18-13	11-26-13	08	12

FILE => 08-1c4101-a-gp08.dgn

USERNAME => s117283 DATE PLOTTED => 02-DEC-2013 TIME PLOTTED => 06:58

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD	15,40,58, 95,127,247	Var	83	86

REGISTERED CIVIL ENGINEER — 11-26-13 DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/14 — CIVIL — STATE OF CALIFORNIA

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LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates loction of clean expansion joint and placement of new joint seal.

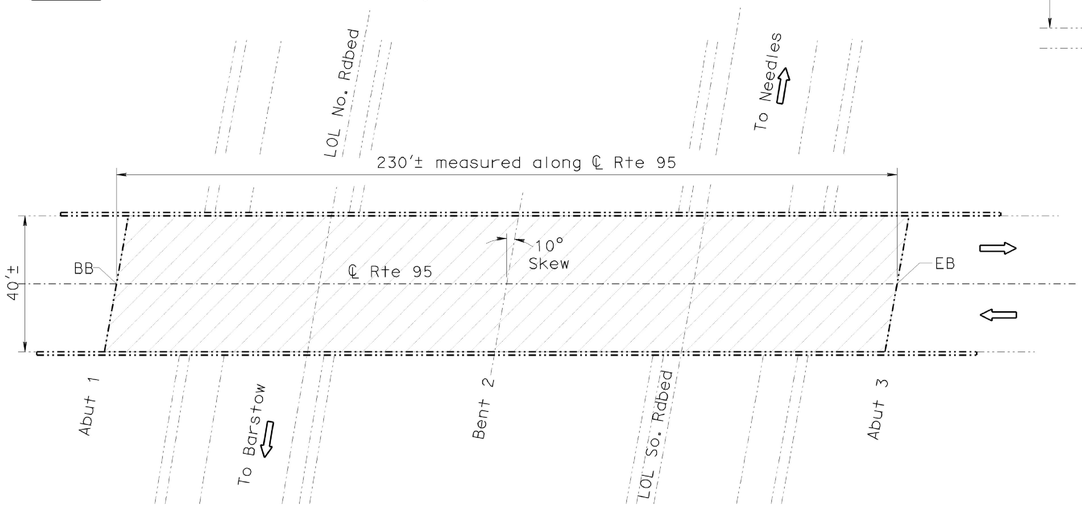
Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.

Indicates limits of prepare concrete bridge deck surface, furnish and place new 2½" thick and varies polyester concrete overlay. Prior to placing new polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete. Polyester concrete shall be placed in one lift. Survey grades of the existing bridge deck surface shall be provided prior to placing the polyester concrete overlay.

Indicates limits of removal of existing 2 1/2 "± thick asphalt concrete surfacing.

NOTE:

1. For deck repair detail-overlay, see "MISCELLANEOUS DETAILS NO. 2 " sheet.

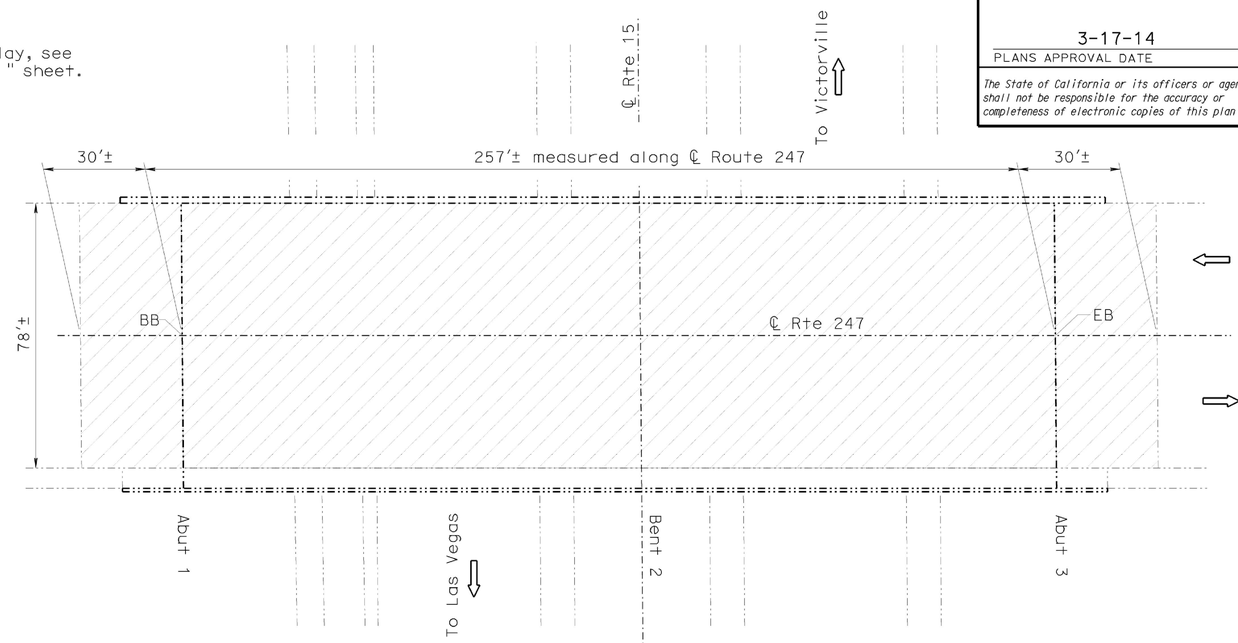


ROUTE 95/40 SEPARATION

Br No. 54-0870, Rte 95, PM R57.22
No Scale

ROUTE 95/40 SEPARATION #54-0870
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	9,200 SQFT
TREAT BRIDGE DECK	9,200 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	115 GAL



ROUTE 247/15 SEPARATION

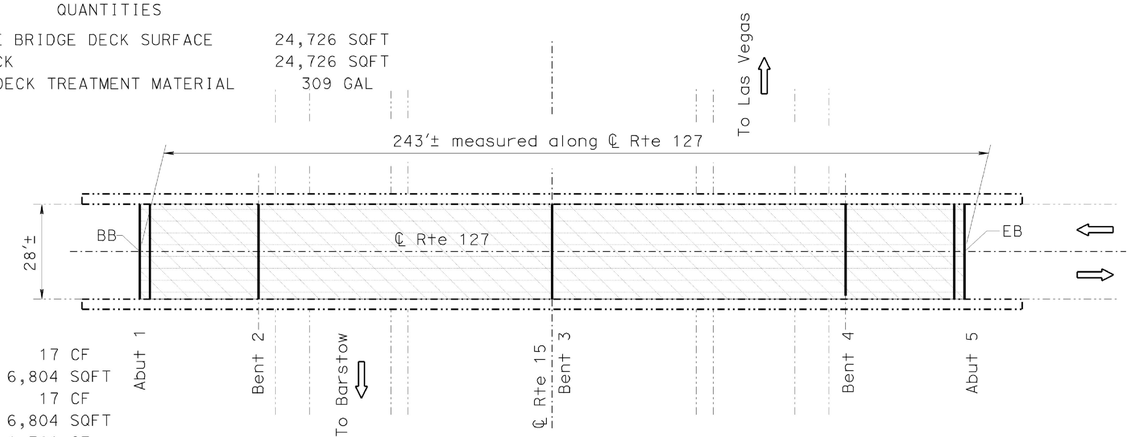
Br No. 54-1173, Rte 247, PM 78.07
No Scale

ROUTE 247/15 SEPARATION #54-1173
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	24,726 SQFT
TREAT BRIDGE DECK	24,726 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	309 GAL

ROUTE 127/15 SEPARATION #54-0610
QUANTITIES

RAPID SETTING CONCRETE (PATCH)	17 CF
REMOVE ASPHALT CONCRETE SURFACING	6,804 SQFT
REMOVE UNSOUND CONCRETE	17 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	6,804 SQFT
FURNISH POLYESTER CONCRETE OVERLAY	1,701 CF
PLACE POLYESTER CONCRETE OVERLAY	6,804 SQFT
CLEAN EXPANSION JOINT	196 LF
JOINT SEAL (MR 1")	196 LF



ROUTE 127/15 SEPARATION

Br No. 54-0610, Rte 127, PM L0.01
Scale 1'=20'

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

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	Edward Nahm	Tony Brake			
DETAILS	Clayton Tom	Edward Nahm	LAYOUT	Clayton Tom	Edward Nahm
QUANTITIES	Edward Nahm	Tony Brake	SPECIFICATIONS	Xiaodong Chen	PLANS AND SPECS COMPARED Xiaodong Chen

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTES 15,40,58,95,127 & 247 BRIDGES
GENERAL PLAN NO. 9

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0812000315 1 CONTRACT NO.: 08-1C4101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
05-01-13	07-10-13	09-06-13	11-26-13	09	12

FILE => 08-1c4101-a-gp09.dgn

USERNAME => s1172783 DATE PLOTTED => 02 DEC 2013 TIME PLOTTED => 08:53

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD	15,40,58, 95,127,247	Var	84	86

11-26-13
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
EDWARD J. NAHM
No. C66900
Exp. 09/30/14
CIVIL
STATE OF CALIFORNIA

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JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	JOINT SEAL LOCATION		MINIMUM "MR" (INCHES)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)	APPROX JOINT LENGTH (ft)
Hack Wash	54-0283L	Abut 1	BW	1.5	No	12	78
		Abut 4	BW	1.5	No	12	78
		Abut 1	Longitudinal	-	No	6	4
		Abut 4	Longitudinal	-	No	6	4
	54-1268R	Abut 1	BW	1.0	No	12	58
		Abut 2	BW	1.0	No	12	58
Dale Ditch	54-0288R	Abut 1	BW	1.0	No	12	58
		Abut 3	BW	1.0	No	12	58
Lavic Road OC	54-0734	Abut 1	PN	1.5	No	12	32
		Abut 3	PN	1.5	No	12	32
Ash Hill Wash	54-0758L	Abut 1	PN	1.5	No	12	49
		Abut 4	PN	1.5	No	12	49
	54-0758R	Abut 1	PN	1.5	No	12	48
		Abut 4	PN	1.5	No	12	48
Marble Wash	54-1274L	Abut 1	PN/BW	1.0	No	12	47
		Abut 2	PN/BW	1.0	No	12	47
	54-1274R	Abut 1	PN/BW	1.0	No	12	47
		Abut 2	PN/BW	1.0	No	12	47
Neprud Wash	54-1276L	Abut 1	BW	1.0	No	12	47
		Abut 4	BW	1.0	No	12	47
	54-1276R	Abut 1	BW	1.0	No	12	47
		Abut 4	BW	1.0	No	12	47
Chuckwalla Wash	54-1278L	Abut 1	BW	1.0	No	12	40
		Abut 3	BW	1.0	No	12	40
Mustang Wash	54-1279L	Abut 1	BW	1.5	No	12	40
		Abut 2	BW	1.5	No	12	40
	54-1279R	Abut 1	BW	1.5	No	12	40
		Abut 2	BW	1.5	No	12	40
Lenwood OH	54-1112S	Abut 1	BW	2.0	No	12	25
		Abut 3	BW	2.0	No	12	25
Route 127/15 Sep	54-0610	Abut 1	BW	1.0	Yes	6	28
			PN	1.0	No	12	28
		Bent 2	DJ	1.0	No	9	28
		Bent 3	DJ	1.0	No	9	28
		Bent 4	DJ	1.0	No	9	28
		Abut 5	BW	1.0	Yes	6	28
			PN	1.0	No	12	28

DJ = Deck Joint
PN = Paving Notch
BW = Backwall

DESIGN	BY Edward Nahm	CHECKED Tony Brake	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
DETAILS	BY Clayton Tom	CHECKED Edward Nahm		
QUANTITIES	BY Edward Nahm	CHECKED Tony Brake		

BRIDGE NO. Various
POST MILE Varies

ROUTES 15,40,58,95,127 & 247 BRIDGES
JOINT SEAL TABLE

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0812000315 1 CONTRACT NO.: 08-1C4101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
05-09-13	07-18-13	10-18-13	11-26-13	10	12

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD	15,40,58, 95,127,247	Var	85	86

11-26-13
REGISTERED CIVIL ENGINEER DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
EDWARD J. NAHM
No. C66900
Exp. 09/30/14
CIVIL
STATE OF CALIFORNIA

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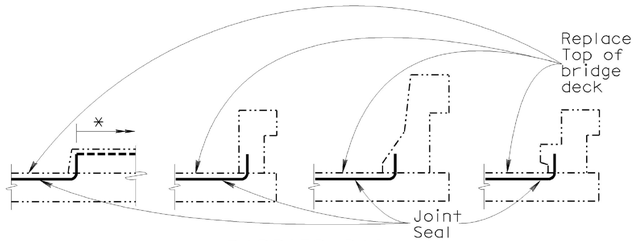


BARRIER RAIL

JOINT SEAL AT LOW SIDE OF DECK

Details shown for illustration purposes only.
For use only where deck joint matches the sidewalk, curb or barrier rail joint.
* Extension of joint will be determined by the Engineer if necessary.

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 Standard Plan B6-21.

The following notes apply to JOINT SEAL TYPE B:

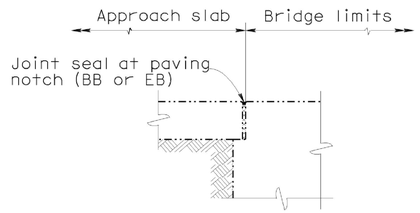
1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.

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.

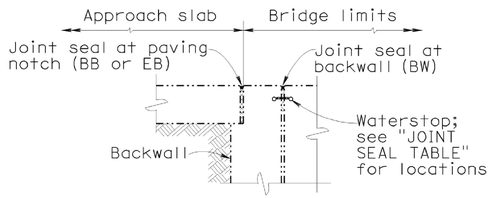
3) W1 shall be the smaller of the values determined as follows:
   A) 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
   B) The width of the seal on the third successive test cycle of the pressure deflection test, when compressed to an average pressure of 3.0 PSI.

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.

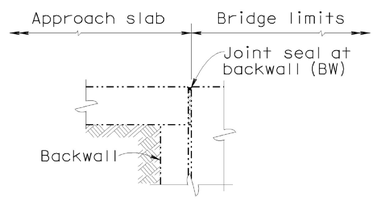
For details not shown see Standard Plan B6-21.



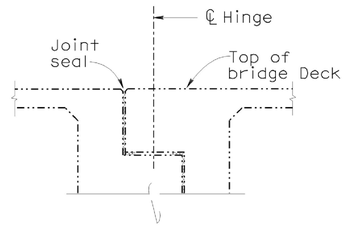
DIAPHRAGM ABUTMENT



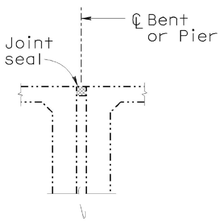
ABUTMENT WITH BACKWALL AND PAVING NOTCH



ABUTMENT WITH BACKWALL



HINGE



BENT OR PIER

JOINT SEAL LOCATION

Abutment joint is not required with AC roadway pavement transverse contact joint.

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

	BY	CHECKED
DESIGN	Edward Nahm	Tony Brake
DETAILS	Clayton Tom	Edward Nahm
QUANTITIES	Edward Nahm	Tony Brake

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	ROUTES 15,40,58,95,127 & 247 BRIDGES
Various	
POST MILE	MISCELLANEOUS DETAILS NO. 1
Varies	

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0812000315 1 CONTRACT NO.: 08-1C4101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
05-09-13	07-10-13	10-28-13	11-26-13	11	12

FILE => 08-1c4101-u-miscdt01.dgn

USERNAME => s117283 DATE PLOTTED => 02-DEC-2013 TIME PLOTTED => 06:59

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD	15,40,58, 95,127,247	Var	86	86

REGISTERED CIVIL ENGINEER — 11-26-13 DATE

3-17-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD J. NAHM — No. C66900 — Exp. 09/30/14 — CIVIL — STATE OF CALIFORNIA

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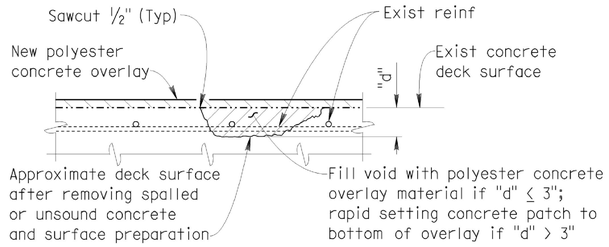
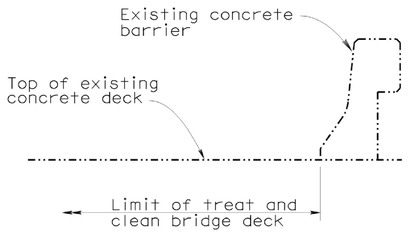
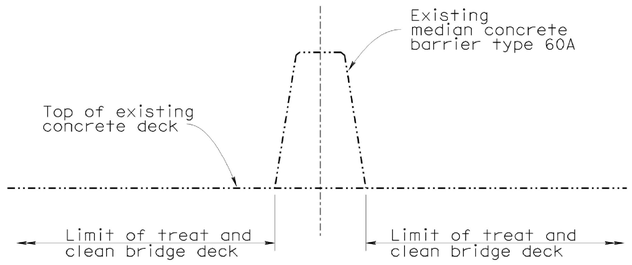


DECK REPAIR DETAIL - OVERLAY

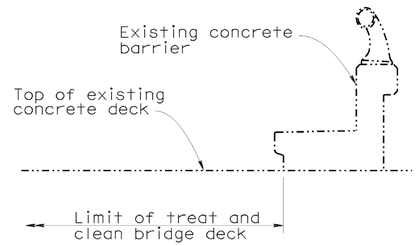
(Br No. 54-0758L/R, 54-0872L/R, 54-0610)
Reinforcement may be encountered during deck concrete removal.



EOD BARRIER



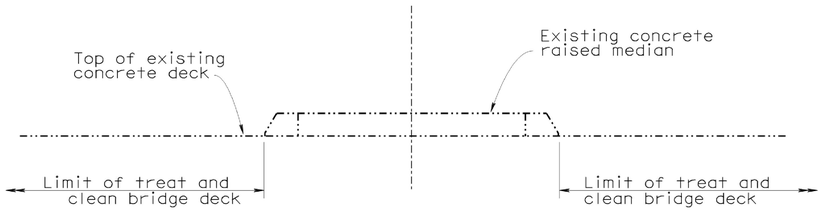
MEDIAN BARRIER



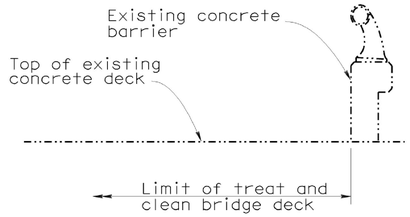
SIDEWALK BARRIER TYPE 2

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

BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (%)	APPROXIMATE DEPTH (INCH)
Ash Hill Wash	54-0758L	1%	3
Ash Hill Wash	54-0758R	1%	3
South Fork Piute Wash	54-0872L	1%	3
South Fork Piute Wash	54-0872R	1%	3
Route 127/15 Sep	54-0610	1%	3



RAISED MEDIAN



SIDEWALK BARRIER TYPE 1

TYPICAL LIMITS OF DECK WORK

NO SCALE

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

	BY	CHECKED
DESIGN	Edward Nahm	Tony Brake
DETAILS	Clayton Tom	Edward Nahm
QUANTITIES	Edward Nahm	Tony Brake

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTES 15,40,58,95,127 & 247 BRIDGES
MISCELLANEOUS DETAILS NO. 2

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0812000315 1 CONTRACT NO.: 08-1C4101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
05-09-13	07-10-13	10-28-13	11-26-13	12	12

FILE => 08-1c4101-u-miscdt02.dgn

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