Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	86/86S	Var	1	22

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-3	CONSTRUCTION DETAILS
4	CONSTRUCTION AREA SIGNS
5-7	PAVEMENT DELINEATION QUANTITIES
8-13	REVISED AND NEW STANDARD PLANS
STRUCTURE PLANS	
14-22	ROUTE 86 BRIDGES

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

STATE OF CALIFORNIA

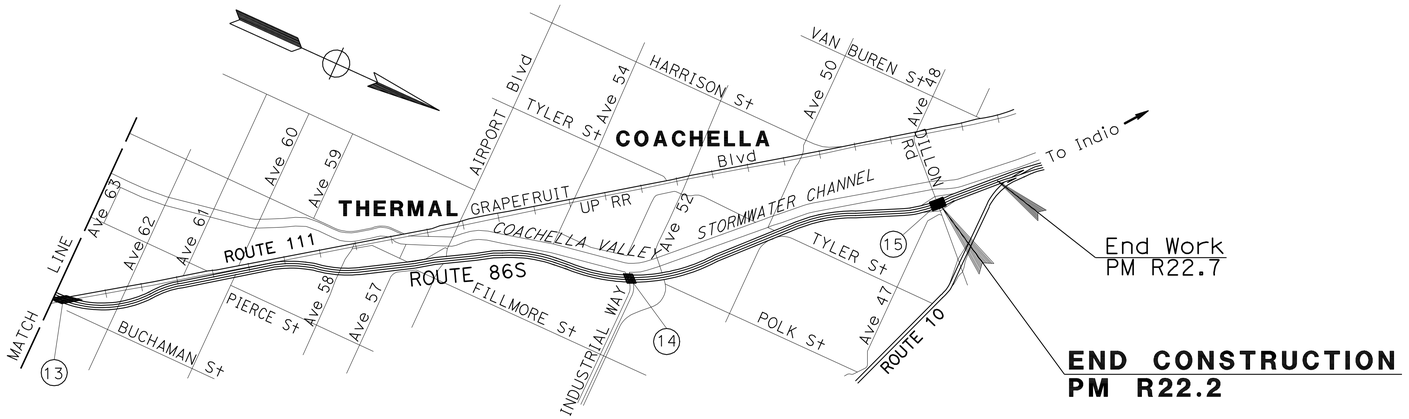
DEPARTMENT OF TRANSPORTATION

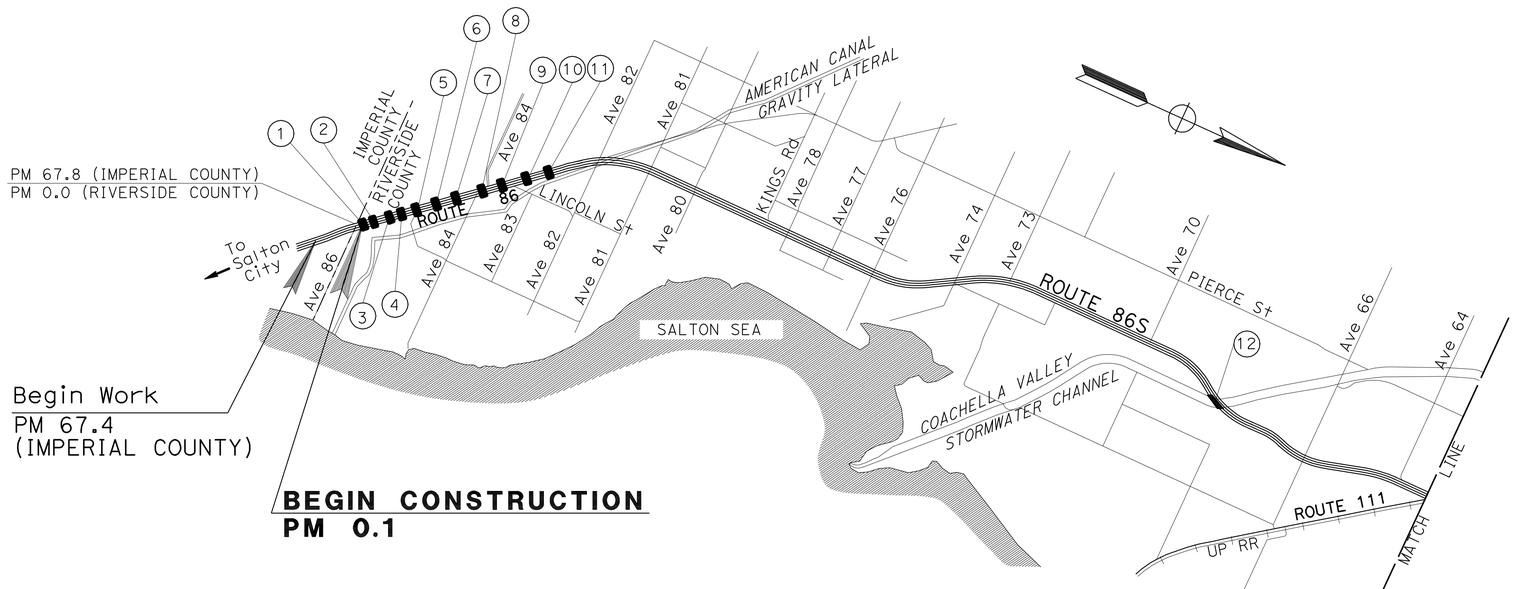
PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN RIVERSIDE COUNTY
IN AND NEAR COACHELLA
FROM IMPERIAL COUNTY LINE
TO DILLON ROAD UNDERCROSSING
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006





Begin Work
PM 67.4
(IMPERIAL COUNTY)

BEGIN CONSTRUCTION
PM 0.1

LOCATION MAP

LOCATIONS OF CONSTRUCTION

Loc	ROUTE	PM	NAME OF BRIDGE	BRIDGE No.
1	86	0.09	TRAVERTINE DITCH	56-0163L/R
2	86	0.19	DINAL DITCH	56-0161L/R
3	86	0.36	PERONE DITCH	56-0159L/R
4	86	0.52	SOSTO DITCH	56-0158L/R
5	86	0.66	SUGINO DITCH	56-0156L/R
6	86	0.84	ANITA DITCH	56-0154L/R
7	86	0.99	OTAN DITCH	56-0153L/R
8	86	1.38	COPHY DITCH	56-0150L
	86	1.39	COPHY DITCH	56-0150R
9	86	1.58	MEMEL DITCH	56-0149L/R
10	86	1.82	TURALA DITCH	56-0148L/R
11	86	2.01	CALOTUS DITCH	56-0147L/R
12	86S	R9.51	COACHELLA VALLEY CHANNEL	56-0777R
13	86S	R12.10	ROUTE 86S/111 SEP & OH	56-0758L/R
14	86S	R18.50	WASTEWAY No. 2	56-0759L/R
15	86S	R22.16	DILLON ROAD UC	56-0760L/R

PROJECT MANAGER: CATALINO PINING

DESIGN ENGINEER: HENRY LEE

Henry Lee 11-16-11
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
HENRY LEE
No. C69931
Exp. 9-30-12
CIVIL
STATE OF CALIFORNIA

December 27, 2011
PLANS APPROVAL DATE

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

CONTRACT No.	08-0P6804
PROJECT ID	0800020016

LAST REVISION 11-21-11
DATE PLOTTED => 27-DEC-2011
TIME PLOTTED => 10:56

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	86/86S	Var	2	22

Henry Lee 11-16-11
REGISTERED CIVIL ENGINEER DATE

12-27-11
PLANS APPROVAL DATE

HENRY LEE No. C69931 Exp. 9-30-12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

LEGEND:

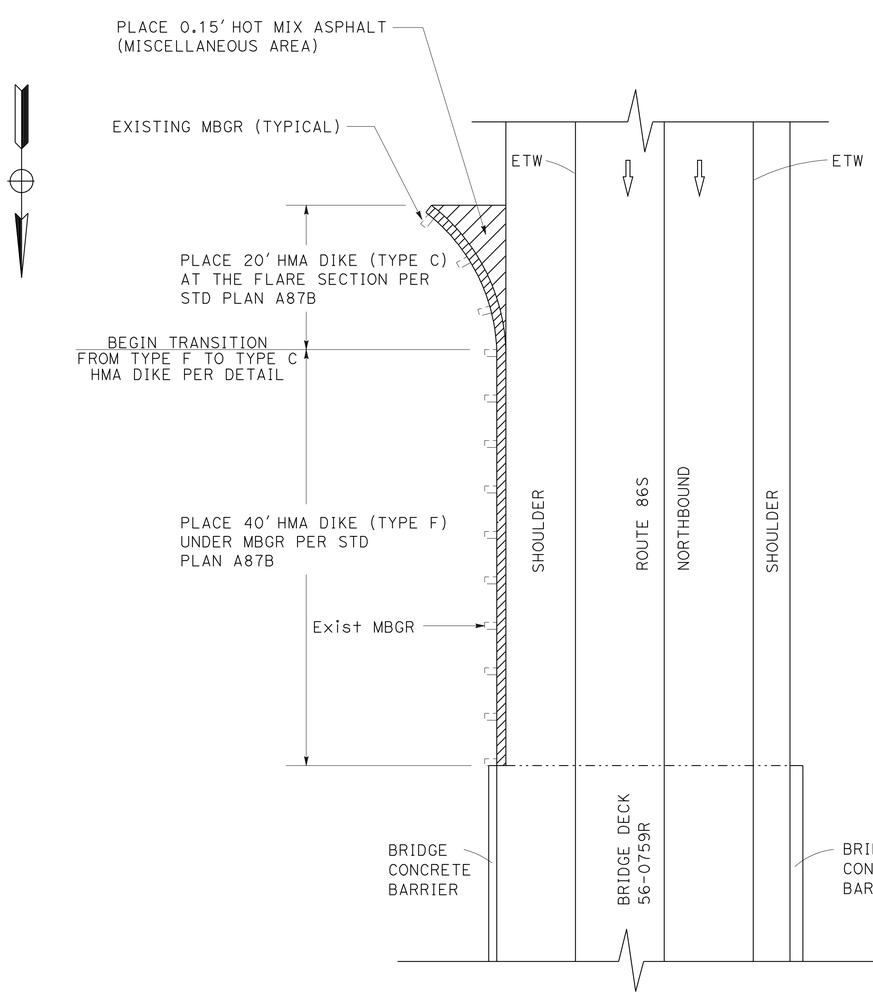
DIRECTION OF TRAFFIC

HMA

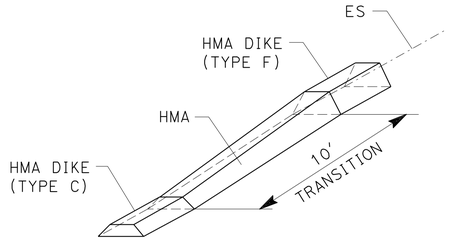
HMA DIKE

HMA DIKES AND PAVEMENT QUANTITIES

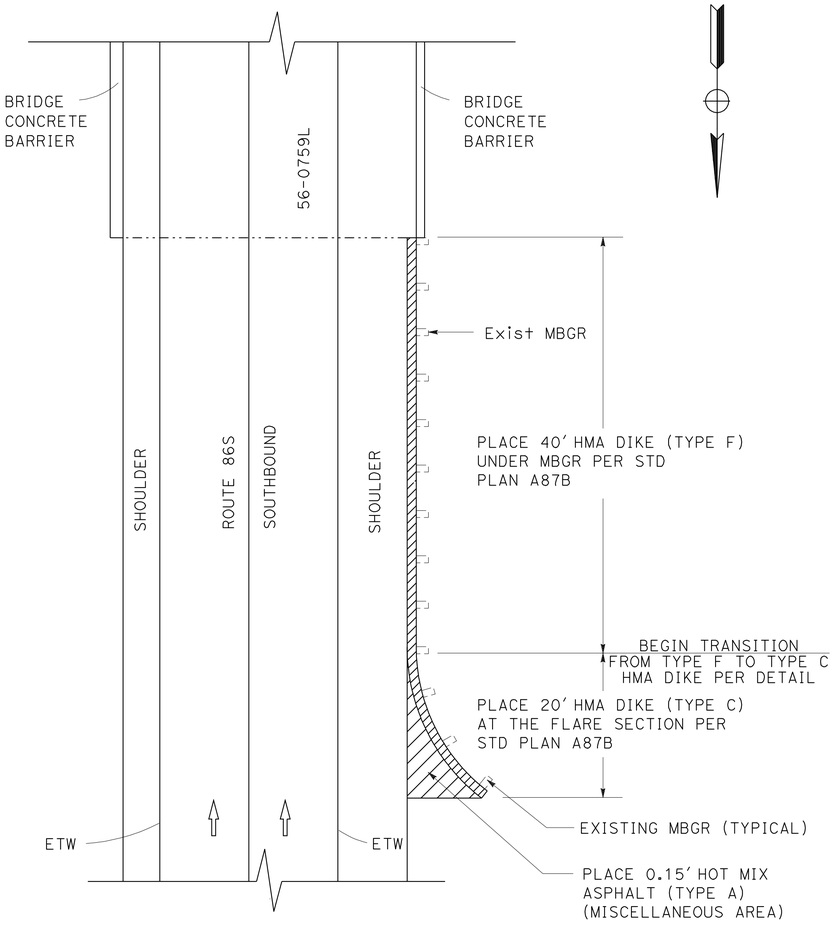
LOCATION	HOT MIX ASPHALT (TYPE A)	PLACE HOT MIX ASPHALT DIKE (TYPE F)	PLACE HOT MIX ASPHALT DIKE (TYPE C)	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)
	(TON)	(LF)	(LF)	(SQYD)
(14)	3	80	40	15



PLACE HMA DIKE (TYPE F AND C) AND HMA PAVEMENT ON WASTEWAY No. 2 BRIDGE 56-0759R



HMA DIKE TRANSITION TYPE F TO TYPE C



PLACE HMA DIKE (TYPE F AND C) AND HMA PAVEMENT ON WASTEWAY No. 2 BRIDGE 56-0759L

CONSTRUCTION DETAILS

NO SCALE

C-1

REVISED BY | DATE REVISED

HENRY LEE | KUANG H. CHEN

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: KUANG H. CHEN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENACE DESIGN

LAST REVISION | DATE PLOTTED => 27-DEC-2011
11-21-11 | TIME PLOTTED => 11:09

BORDER LAST REVISED 7/2/2010 | USERNAME => s114926 | DGN FILE => 80p680ga001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2344 | PROJECT NUMBER & PHASE 08000200161

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	86/86S	Var	3	22

Henry Lee 11-16-11
REGISTERED CIVIL ENGINEER DATE

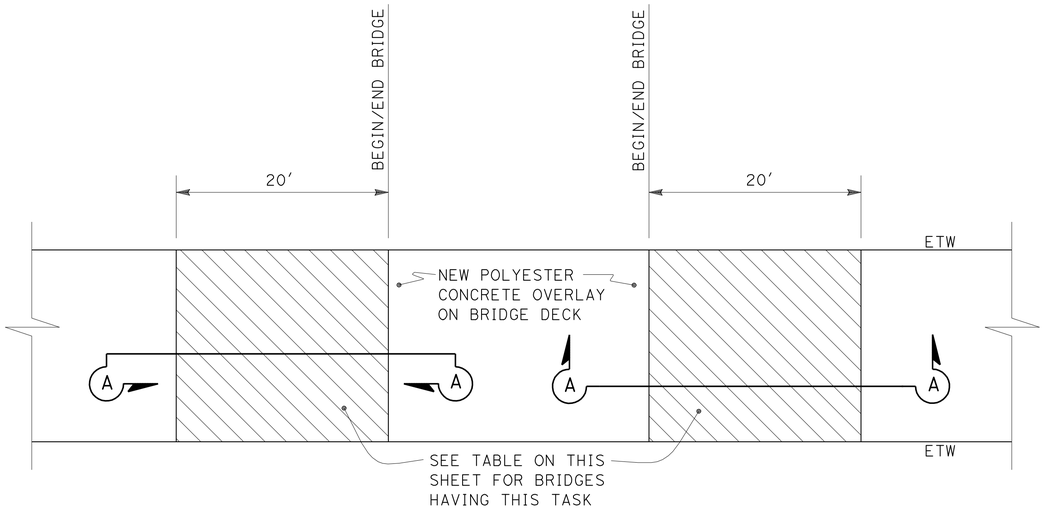
12-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HENRY LEE
No. C69931
Exp. 9-30-12
CIVIL
STATE OF CALIFORNIA

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

LEGEND:

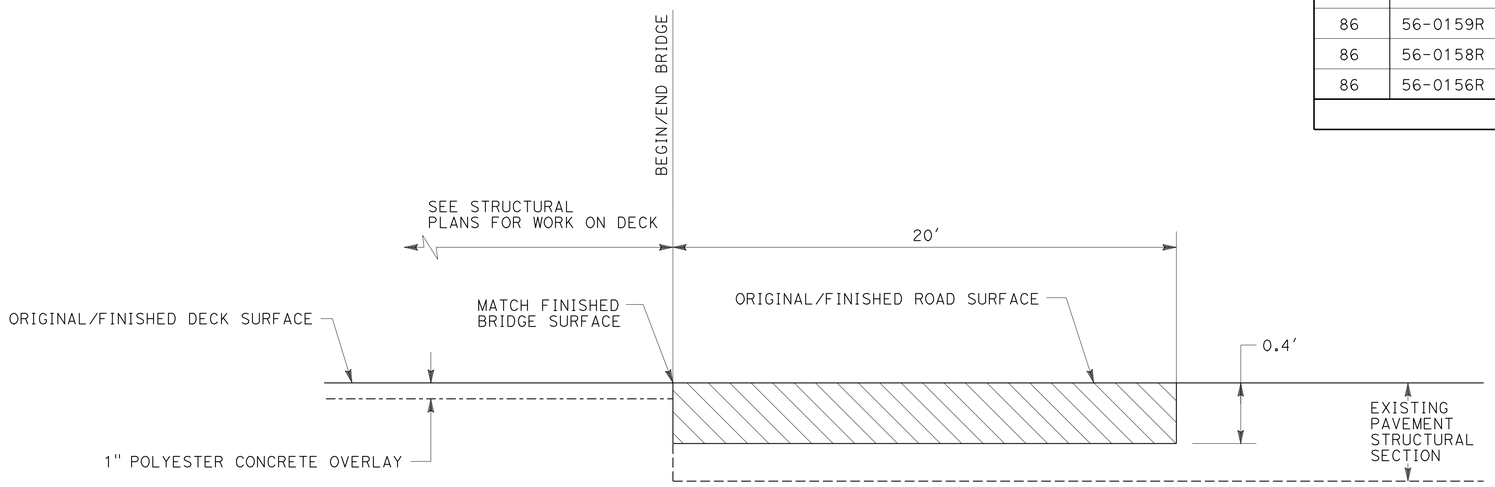
COLD PLANE AND PLACE HMA (TYPE C)



TYPICAL PLAN

COLD PLANE AND HMA QUANTITIES

ROUTE	BRIDGE No.	BRIDGE NAME	PM	HMA (TYPE C) (TON)	COLD PLANE (SQYD)
86	56-0163R	TRAVERTINE DITCH	0.09	48	174
86	56-0161R	DINAL DITCH	0.19	48	174
86	56-0159R	PERONE DITCH	0.36	48	174
86	56-0158R	SOSTO DITCH	0.52	48	174
86	56-0156R	SUGINO DITCH	0.66	48	174
		TOTAL		240	870



SECTION A-A

CONSTRUCTION DETAILS

NO SCALE

C-2

REVISED BY | DATE REVISED
HENRY LEE | KUANG H. CHEN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: KUANG H. CHEN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENACE DESIGN
Caltrans

LAST REVISION | DATE PLOTTED => 27-DEC-2011
11-21-11 | TIME PLOTTED => 11:09

BORDER LAST REVISED 7/2/2010 | USERNAME => s114926 | DGN FILE => 80p680ga002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 2344 | PROJECT NUMBER & PHASE 08000200161

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	86/86S	Var	4	22

Tran Hoang 11-16-11
REGISTERED CIVIL ENGINEER DATE

12-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — TRAN HOANG — No. C54996 — Exp 6-30-12 — CIVIL — STATE OF CALIFORNIA

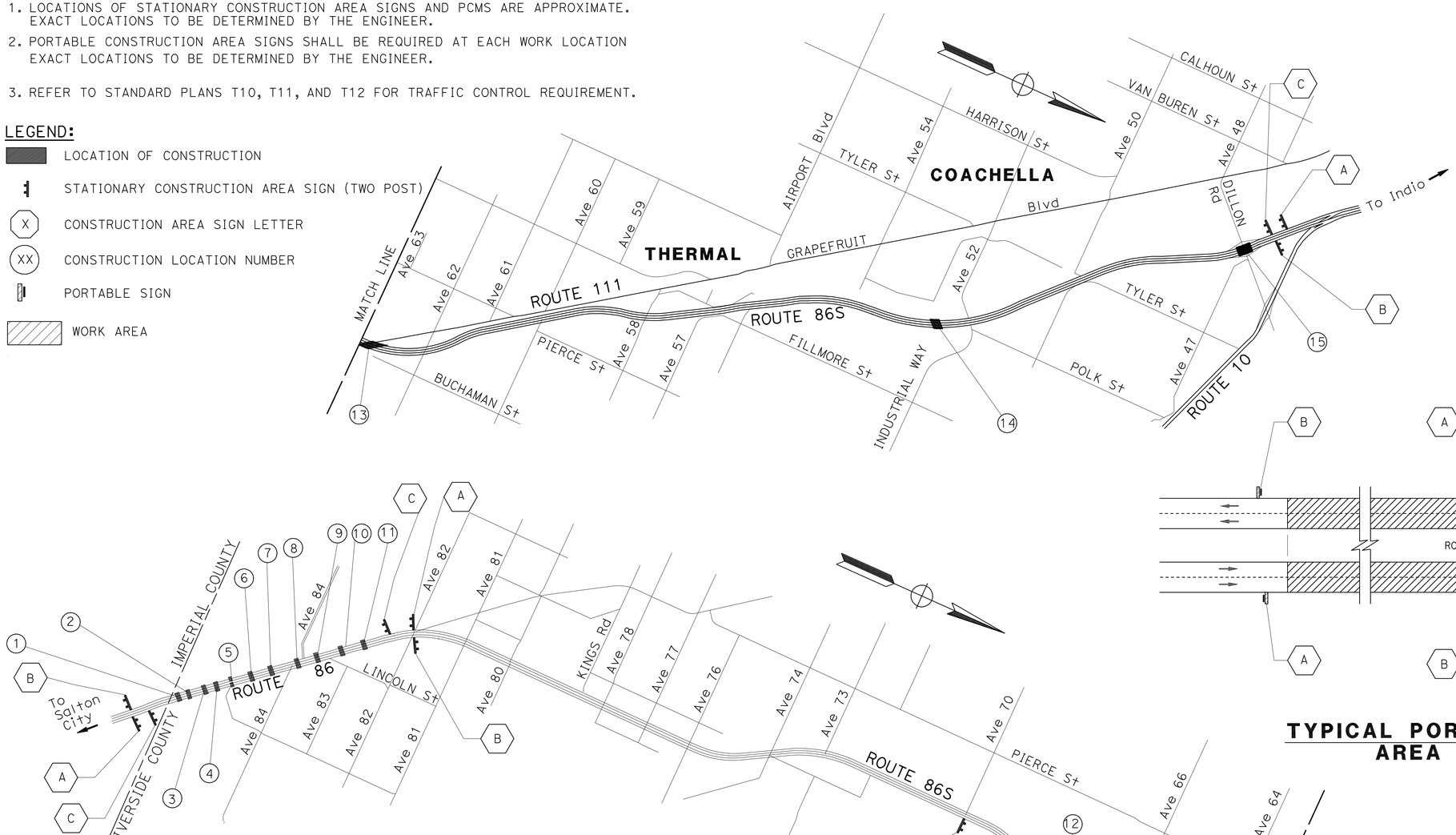
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

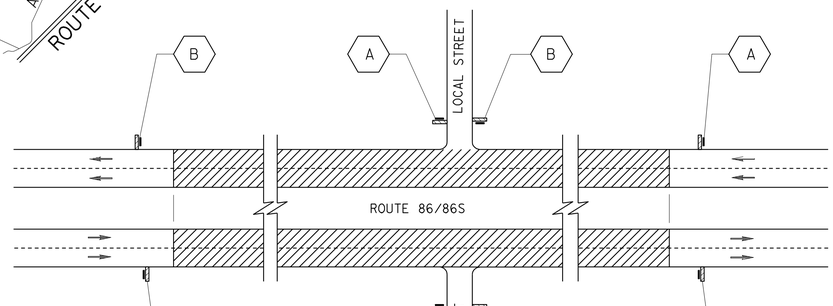
NOTES:

1. LOCATIONS OF STATIONARY CONSTRUCTION AREA SIGNS AND PCMS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. PORTABLE CONSTRUCTION AREA SIGNS SHALL BE REQUIRED AT EACH WORK LOCATION EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
3. REFER TO STANDARD PLANS T10, T11, AND T12 FOR TRAFFIC CONTROL REQUIREMENT.

LEGEND:

- LOCATION OF CONSTRUCTION
- STATIONARY CONSTRUCTION AREA SIGN (TWO POST)
- (X) CONSTRUCTION AREA SIGN LETTER
- (XX) CONSTRUCTION LOCATION NUMBER
- PORTABLE SIGN
- WORK AREA





TYPICAL PORTABLE CONSTRUCTION AREA SIGN PLACEMENT

STATIONARY CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	PANEL SIZE	No. OF POSTS -POST SIZE	SIGN MESSAGE	No. OF SIGNS TWO POST
(A)	C11(CA)	90" X 48"	2 - 6" X 6"	ROAD WORK AHEAD	4
(B)	C14(CA)	48" X 24"	2 - 4" X 4"	END ROAD WORK	4
(C)	C40(CA)	72" X 36"	2 - 4" X 6"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONE	4

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: WILLIAM E. WASSER
CALCULATED-DESIGNED BY: DARYUSH NAMI
CHECKED BY: TRAN HOANG
REVISED BY
DATE REVISED

LAST REVISION — DATE PLOTTED => 27-DEC-2011 — TIME PLOTTED => 11:09
11-21-11

BORDER LAST REVISED 7/2/2010
USERNAME => s114926
DGN FILE => 80p680la001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2284
PROJECT NUMBER & PHASE 08000200161

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	86/86S	Var	5	22

REGISTERED CIVIL ENGINEER — 11-16-11 DATE

12-27-11
PLANS APPROVAL DATE

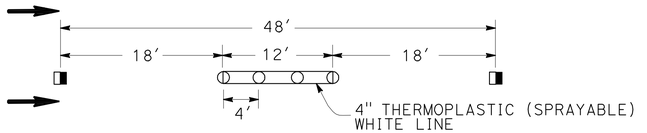
REGISTERED PROFESSIONAL ENGINEER — TRAN HOANG No. C54996 Exp. 6-30-12 CIVIL — STATE OF CALIFORNIA

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

NOTE:
ADDITIONAL STRIPE IS PROVIDED BEYOND BRIDGE DECK ON BOTH SIDES.

LEGEND:

- ○ TYPE A WHITE NON-REFLECTIVE MARKER
- ◨ TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKER
- → DIRECTION OF TRAVEL



DETAIL 13M

PAVEMENT DELINEATION QUANTITIES

LOCATION No.	ROUTE	PM	DIRECTION	NUMBER & NAME OF BRIDGE	DETAIL No. OR PAVEMENT MARKING	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE PAVEMENT MARKER	8" THERMO-PLASTIC TRAFFIC STRIPE	THERMO-PLASTIC PAVEMENT MARKING	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)		PAVEMENT MARKER		
														NON-REFLECTIVE	RETRO-REFLECTIVE TYPES	
												4" YELLOW	4" WHITE	TYPE A	TYPE G	TYPE H
						LF	LF	SQFT	EA	LF	SQFT	LF	LF	EA	EA	EA
1	Riv 86	0.09	SB	56 0163L TRAVERTINE DITCH	TYPE V ARROW			228	0		66					
	Riv 86	0.09	SB	56 0163L TRAVERTINE DITCH	TYPE III(L) ARROW			144	0		42					
	Riv 86	0.09	SB	56 0163L TRAVERTINE DITCH	25	361			9			361				9
	Riv 86	0.09	SB	56 0163L TRAVERTINE DITCH	13M		90		41				361	32	9	
	Riv 86	0.09	SB	56 0163L TRAVERTINE DITCH	27B		361						361			
	Riv 86	0.09	NB	56 0163R TRAVERTINE DITCH	25	360			9			360				9
	Riv 86	0.09	NB	56 0163R TRAVERTINE DITCH	13M		90		41				360	32	9	
	Riv 86	0.09	NB	56 0163R TRAVERTINE DITCH	27B		360						360			
2	Riv 86	0.19	SB	56 0161L DINAL DITCH	25	364			9			364				9
	Riv 86	0.19	SB	56 0161L DINAL DITCH	13M		90		41				364	32	9	
	Riv 86	0.19	SB	56 0161L DINAL DITCH	27B		364						364			
	Riv 86	0.19	NB	56 0161R DINAL DITCH	25	364			9			356				9
	Riv 86	0.19	NB	56 0161R DINAL DITCH	13M		90		41				356	32	9	
	Riv 86	0.19	NB	56 0161R DINAL DITCH	27B		364						356			
3	Riv 86	0.36	SB	56 0159L PERONE DITCH	TYPE V ARROW			228	0		66					
	Riv 86	0.36	SB	56 0159L PERONE DITCH	TYPE III(L) ARROW			144	0		42					
	Riv 86	0.36	SB	56 0159L PERONE DITCH	25	348			9			348				9
	Riv 86	0.36	SB	56 0159L PERONE DITCH	13M		90		41				348	32	9	
	Riv 86	0.36	SB	56 0159L PERONE DITCH	27B		348						348			
	Riv 86	0.36	SB	56 0159L PERONE DITCH	38		348			348						
	Riv 86	0.36	NB	56 0159R PERONE DITCH	TYPE V ARROW			228	0		66					
	Riv 86	0.36	NB	56 0159R PERONE DITCH	25	350			9			350				9
	Riv 86	0.36	NB	56 0159R PERONE DITCH	13M		90		41				350	32	9	
	Riv 86	0.36	NB	56 0159R PERONE DITCH	27B		350						350			
4	Riv 86	0.52	SB	56 0158L SOSTO DITCH	25	360			9			360				9
	Riv 86	0.52	SB	56 0158L SOSTO DITCH	13M		90		41				360	32	9	
	Riv 86	0.52	SB	56 0158L SOSTO DITCH	27B		360						360			
	Riv 86	0.52	NB	56 0158R SOSTO DITCH	25	360			9			360				9
	Riv 86	0.52	NB	56 0158R SOSTO DITCH	13M		90		41				360	32	9	
	Riv 86	0.52	NB	56 0158R SOSTO DITCH	27B		360						360			
5	Riv 86	0.66	NB	56 0156R SUGINO DITCH	TYPE V ARROW			456	0		132					
	Riv 86	0.66	NB	56 0156R SUGINO DITCH	25	403			10			403				10
	Riv 86	0.66	NB	56 0156R SUGINO DITCH	13M		100		50				403	40	10	
	Riv 86	0.66	NB	56 0156R SUGINO DITCH	27B		403						403			
	Riv 86	0.66	SB	56 0156L SUGINO DITCH	TYPE V ARROW			228	0		66					
	Riv 86	0.66	SB	56 0156L SUGINO DITCH	TYPE III(L) ARROW			144	0		42					
	Riv 86	0.66	SB	56 0156L SUGINO DITCH	25	416			9			416				9
	Riv 86	0.66	SB	56 0156L SUGINO DITCH	13M		104		41				416	32	9	
	Riv 86	0.66	SB	56 0156L SUGINO DITCH	27B		416						416			
6	Riv 86	0.84	SB	56 0154L ANITA DITCH	25	341			9			341				9
	Riv 86	0.84	SB	56 0154L ANITA DITCH	13M		86		41				341	32	9	
	Riv 86	0.84	SB	56 0154L ANITA DITCH	27B		341						341			
	Riv 86	0.84	NB	56 0154R ANITA DITCH	25	343			9			343				9
	Riv 86	0.84	NB	56 0154R ANITA DITCH	13M		86		41				343	32	9	
	Riv 86	0.84	NB	56 0154R ANITA DITCH	27B		343						343			
SUB-TOTAL						4370	5814	1800	610	348	522	4362	8724	392	109	109

PAVEMENT DELINEATION QUANTITIES
PDQ-1

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: DARYUSH NAMI
CHECKED BY: TRAN HOANG
FUNCTIONAL SUPERVISOR: WILLIAM E. WASSER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION: DATE PLOTTED => 27-DEC-2011; TIME PLOTTED => 11:09
11-21-11

BORDER LAST REVISED 7/2/2010

USERNAME => s114926
DGN FILE => 80p680nc001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 2284 | PROJECT NUMBER & PHASE | 08000200161

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	86/86S	Var	6	22

Tran Hoang 11-16-11
REGISTERED CIVIL ENGINEER DATE

12-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. C54996
Exp 6-30-12
CIVIL
STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION No.	ROUTE	PM	DIRECTION	NUMBER & NAME OF BRIDGE	DETAIL No. OR PAVEMENT MARKING	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE PAVEMENT MARKER	8" THERMO-PLASTIC TRAFFIC STRIPE	THERMO-PLASTIC PAVEMENT MARKING	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)		PAVEMENT MARKER		
														NON-REFLECTIVE	RETRO-REFLECTIVE TYPES	
												4" YELLOW	4" WHITE	TYPE A	TYPE G	TYPE H
						LF	LF	SQFT	EA	LF	SQFT	LF	LF	EA	EA	EA
7	Riv 86	0.99	SB	56 0153L OTAN DITCH	25	430			10			430				10
	Riv 86	0.99	SB	56 0153L OTAN DITCH	13M		108		50				430	40	10	
	Riv 86	0.99	SB	56 0153L OTAN DITCH	27B		430						430			
	Riv 86	0.99	NB	56 0153R OTAN DITCH	25	427			10			427				10
	Riv 86	0.99	NB	56 0153R OTAN DITCH	13M		107		50				427	40	10	
	Riv 86	0.99	NB	56 0153R OTAN DITCH	27B		427						427			
8	Riv 86	1.38	SB	56 0150L COPHY DITCH	TYPE V ARROW			228	0		66					
	Riv 86	1.38	SB	56 0150L COPHY DITCH	TYPE III(L) ARROW			144	0		42					
	Riv 86	1.38	SB	56 0150L COPHY DITCH	25	396			10			396				10
	Riv 86	1.38	SB	56 0150L COPHY DITCH	13M		100		50				396	40	10	
	Riv 86	1.38	SB	56 0150L COPHY DITCH	27B		396						396			
	Riv 86	1.38	SB	56 0150L COPHY DITCH	38		200			200					10	
	Riv 86	1.39	NB	56 0150R COPHY DITCH	TYPE V ARROW			456	0		132					
	Riv 86	1.39	NB	56 0150R COPHY DITCH	TYPE III(L) ARROW			144	0		42					
	Riv 86	1.39	NB	56 0150R COPHY DITCH	25	403			10			403				10
	Riv 86	1.39	NB	56 0150R COPHY DITCH	13M		101		50				403	40	10	
	Riv 86	1.39	NB	56 0150R COPHY DITCH	27B		403						403			
	Riv 86	1.39	NB	56 0150R COPHY DITCH	38		200			200					10	
9	Riv 86	1.58	SB	56 0149L MEMEL DITCH	25	356			10			356				10
	Riv 86	1.58	SB	56 0149L MEMEL DITCH	13M		107		50				356	40	10	
	Riv 86	1.58	SB	56 0149L MEMEL DITCH	27B		356						356			
	Riv 86	1.58	NB	56 0149R MEMEL DITCH	25	354			10			354				10
	Riv 86	1.58	NB	56 0149R MEMEL DITCH	13M		90		50				354	40	10	
	Riv 86	1.58	NB	56 0149R MEMEL DITCH	27B		354						354			
10	Riv 86	1.82	SB	56 0148L TURALA DITCH	25	384			9			384				9
	Riv 86	1.82	SB	56 0148L TURALA DITCH	13M		96		45				384	36	9	
	Riv 86	1.82	SB	56 0148L TURALA DITCH	27B		384						384			
	Riv 86	1.82	NB	56 0148R TURALA DITCH	25	384			9			384				9
	Riv 86	1.82	NB	56 0148R TURALA DITCH	13M		96		45				384	36	9	
	Riv 86	1.82	NB	56 0148R TURALA DITCH	27B		384						384			
11	Riv 86	2.01	SB	56 0147L CALOTUS DITCH	TYPE V ARROW			228	0		66					
	Riv 86	2.01	SB	56 0147L CALOTUS DITCH	TYPE III(L) ARROW			144	0		42					
	Riv 86	2.01	SB	56 0147L CALOTUS DITCH	25	390			10			390				10
	Riv 86	2.01	SB	56 0147L CALOTUS DITCH	13M		98		50				390	40	10	
	Riv 86	2.01	SB	56 0147L CALOTUS DITCH	27B		390						390			
	Riv 86	2.01	NB	56 0147R CALOTUS DITCH	TYPE V ARROW			456	0		132					
	Riv 86	2.01	NB	56 0147R CALOTUS DITCH	25	390			10			390				10
	Riv 86	2.01	NB	56 0147R CALOTUS DITCH	13M		98		50				390	40	10	
	Riv 86	2.01	NB	56 0147R CALOTUS DITCH	27B		390						390			
12	Riv 86S	R9.51	NB	56 0777R COACHELLA VALLEY CHANNEL	25	1130			25			1130				25
	Riv 86S	R9.51	NB	56 0777R COACHELLA VALLEY CHANNEL	13M		283		125				1130	100	25	
	Riv 86S	R9.51	NB	56 0777R COACHELLA VALLEY CHANNEL	27B		1130						1130			
13	Riv 86S	R12.1	SB	56 0758L ROUTE 86S/111 Sep & OH	25	1200			26			1200				26
	Riv 86S	R12.1	SB	56 0758L ROUTE 86S/111 Sep & OH	13M		300		130				1200	104	26	
	Riv 86S	R12.1	SB	56 0758L ROUTE 86S/111 Sep & OH	27B		1200						1200			
SUB-TOTAL						6244	8228	1800	894	400	522	6244	12488	596	169	149

REVISED BY | DATE REVISED

DARYUSH NAMI | TRAN HOANG

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: WILLIAM E. WASSER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

PAVEMENT DELINEATION QUANTITIES
PDQ-2

LAST REVISION | DATE PLOTTED => 27-DEC-2011
11-21-11 | TIME PLOTTED => 11:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	86/86S	Var	7	22

tran hoang 11-16-11
REGISTERED CIVIL ENGINEER DATE

12-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TRAN HOANG
No. C54996
Exp. 6-30-12
CIVIL
STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION No.	ROUTE	PM	DIRECTION	NUMBER & NAME OF BRIDGE	DETAIL No. OR PAVEMENT MARKING	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE PAVEMENT MARKER	8" THERMO-PLASTIC TRAFFIC STRIPE	THERMO-PLASTIC PAVEMENT MARKING	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)		PAVEMENT MARKER		
														NON-REFLECTIVE	RETRO-REFLECTIVE TYPES	
												4" YELLOW	4" WHITE	TYPE A	TYPE G	TYPE H
						LF	LF	SQFT	EA	LF	SQFT	LF	LF	EA	EA	EA
13	Riv 86S	R12.1	NB	56 0758R ROUTE 86S/111 Sep & OH	25	1200			26			1200				26
	Riv 86S	R12.1	NB	56 0758R ROUTE 86S/111 Sep & OH	13M		300		130				1200	104	26	
	Riv 86S	R12.1	NB	56 0758R ROUTE 86S/111 Sep & OH	27B		1200						1200			
14	Riv 86S	R18.5	SB	56 0759L WASTEWAY No. 2	25	470			11			470				11
	Riv 86S	R18.5	SB	56 0759L WASTEWAY No. 2	13M		117		55				470	44	11	
	Riv 86S	R18.5	SB	56 0759L WASTEWAY No. 2	27B		470						470			
	Riv 86S	R18.5	NB	56 0759R WASTEWAY No. 2	25	467			11			467				11
	Riv 86S	R18.5	NB	56 0759R WASTEWAY No. 2	13M		117		55				467	44	11	
	Riv 86S	R18.5	NB	56 0759R WASTEWAY No. 2	27B		467						467			
15	Riv 86S	R22.16	SB	56 0760L DILLON ROAD UC	25	484			12			484				12
	Riv 86S	R22.16	SB	56 0760L DILLON ROAD UC	13M		121		60				484	48	12	
	Riv 86S	R22.16	SB	56 0760L DILLON ROAD UC	27B		484						484			
	Riv 86S	R22.16	NB	56 0760R DILLON ROAD UC	25	484			12			484				12
	Riv 86S	R22.16	NB	56 0760R DILLON ROAD UC	13M		121		60				484	48	12	
	Riv 86S	R22.16	NB	56 0760R DILLON ROAD UC	27B		484						484			
SUB-TOTAL SHEET PDQ-3						3105	3881	0	432	0	0	3105	6210	288	72	72
SUB-TOTAL FROM SHEET PDQ-2						6244	8228	1800	894	400	522	6244	12488	596	169	149
SUB-TOTAL FROM SHEET PDQ-1						4370	5814	1800	610	348	522	4362	8724	392	109	109
SUB-TOTAL												13711	27422		350	330
TOTAL						13719	17923	3600	1936	748	1044	41133		1276	680	

CALCULATED-DESIGNED BY
CHECKED BY
DARYUSH NAMI
TRAN HOANG
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
WILLIAM E. WASSER
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

PAVEMENT DELINEATION QUANTITIES
PDQ-3

LAST REVISION: DATE PLOTTED => 27-DEC-2011
TIME PLOTTED => 11:16

BORDER LAST REVISED 7/2/2010
USERNAME => s114926
DGN FILE => 80p680nc003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 2284
PROJECT NUMBER & PHASE 08000200161

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	8	22

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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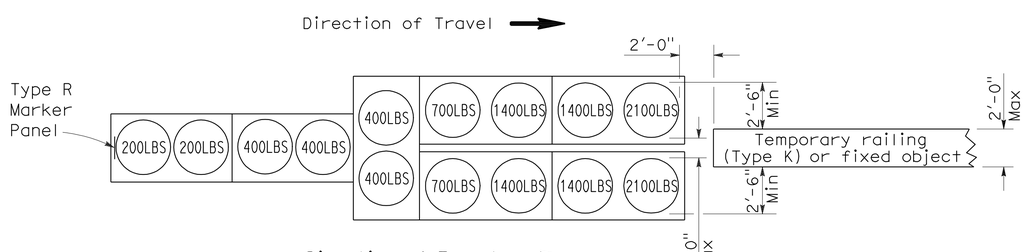
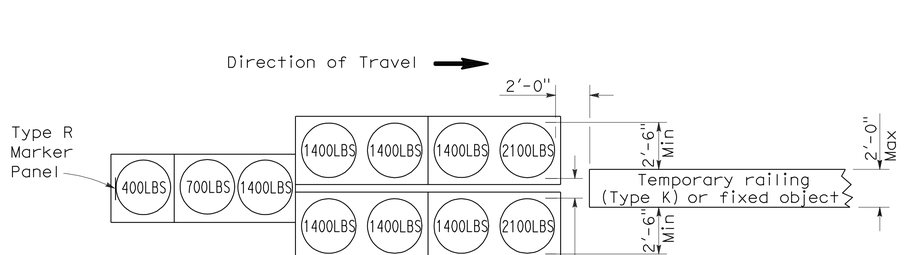
To accompany plans dated 12-27-11



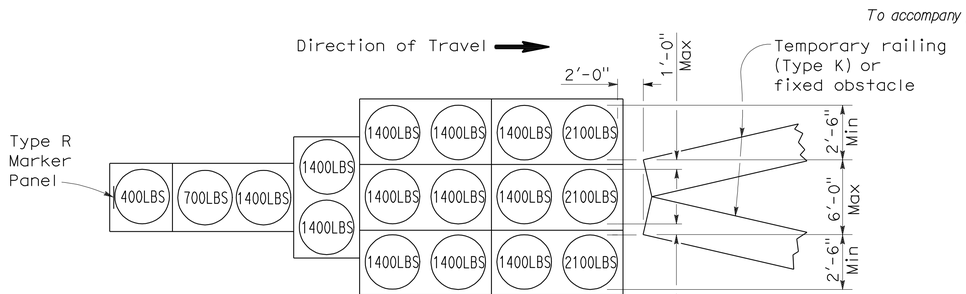
ARRAY 'TU14'

Approach speed 45 mph or more



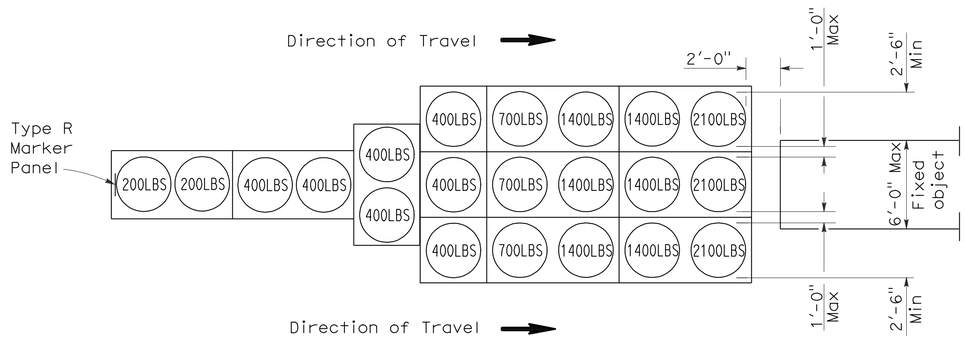
ARRAY 'TU11'

Approach speed less than 45 mph



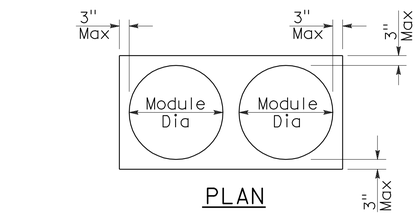
ARRAY 'TU17'

Approach speed less than 45 mph

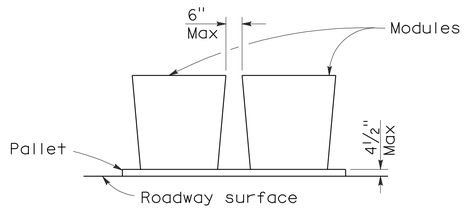


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (UNIDIRECTIONAL)

NO SCALE

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

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	9	22

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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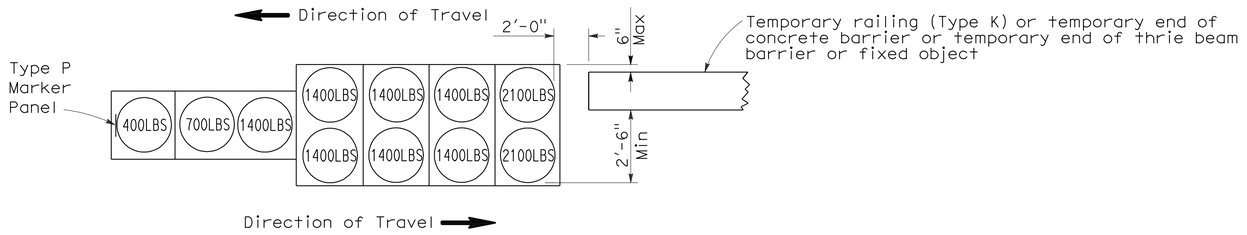
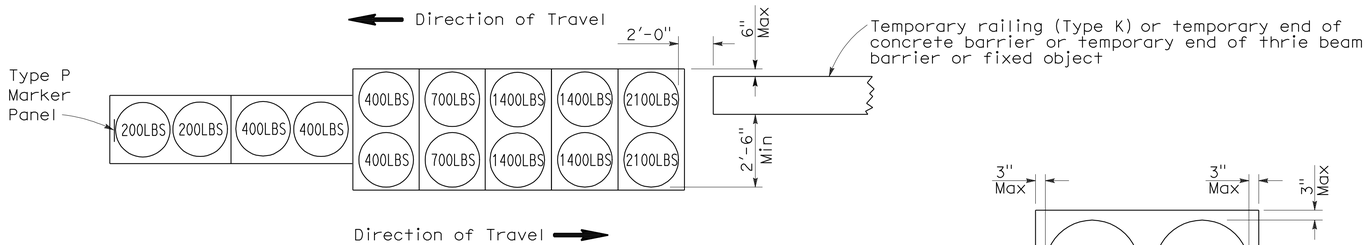
To accompany plans dated 12-27-11



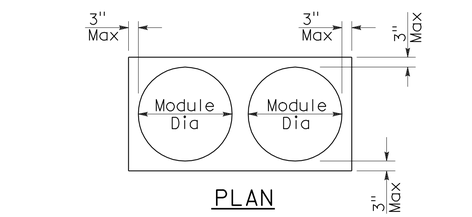
ARRAY 'TB11'

Approach speed less than 45 mph

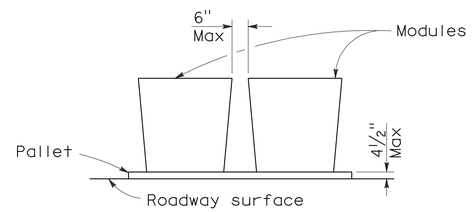


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	10	22

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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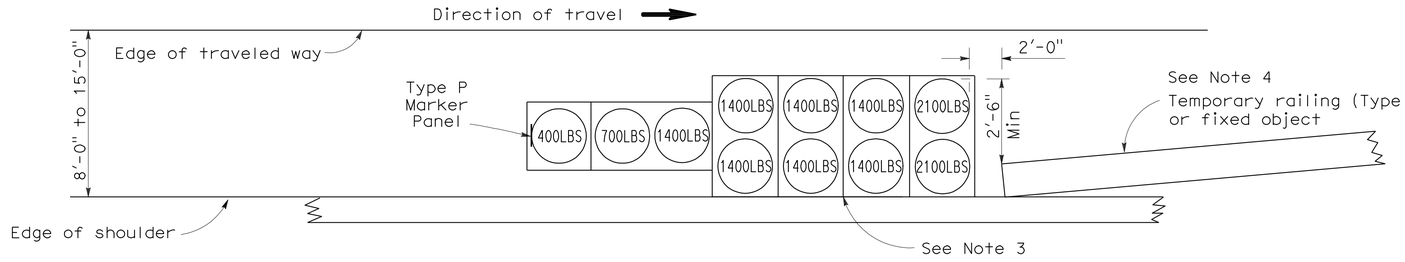
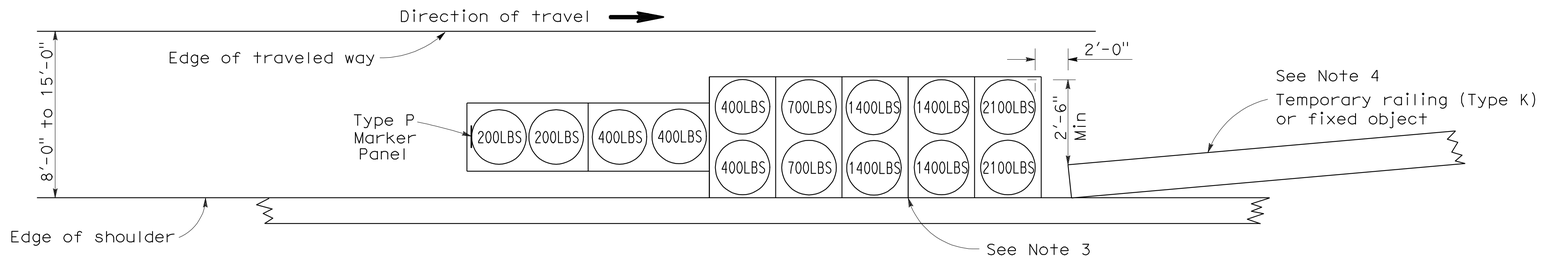
To accompany plans dated 12-27-11



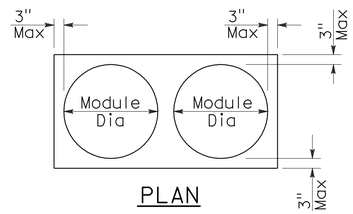
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

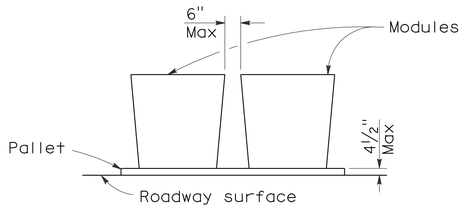


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

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

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

5-15-08

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	86/86S	Var	11	22

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Randell D. Hiatt — No. C50200 — Exp. 6-30-11 — CIVIL — STATE OF CALIFORNIA

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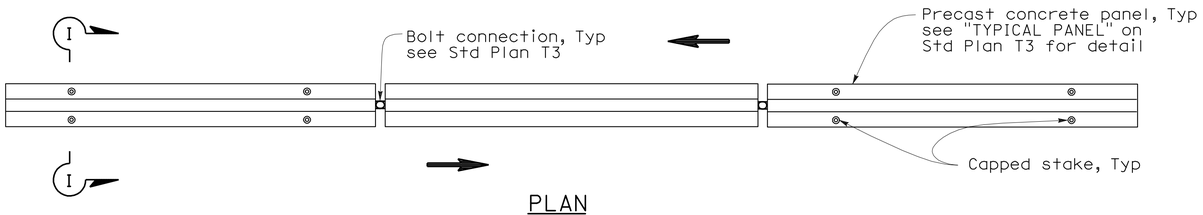
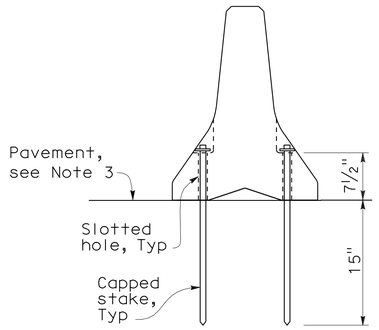
To accompany plans dated 12-27-11



PLAN

RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

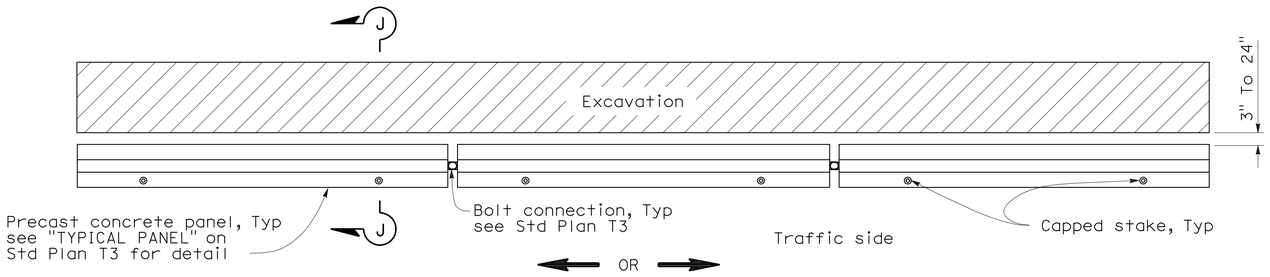
See Note 1



SECTION I-I

NOTES:

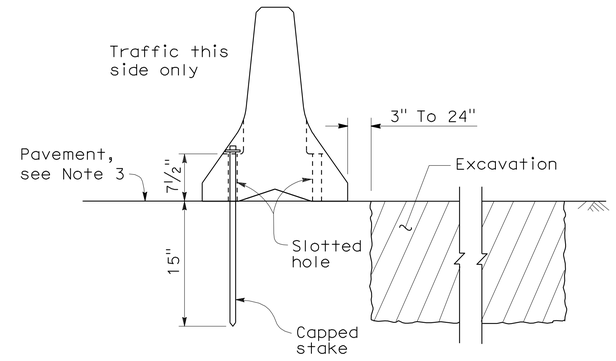
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by ⟹.



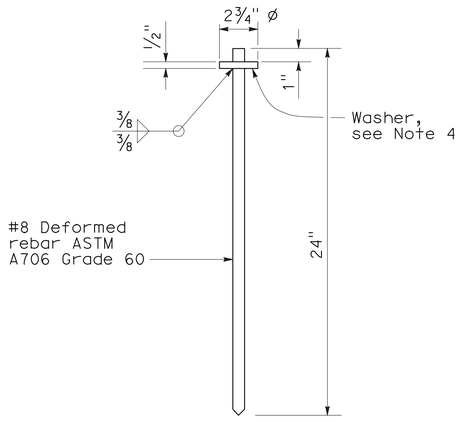
PLAN

RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

See Note 2



SECTION J-J



CAPPED STAKE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY RAILING (TYPE K)

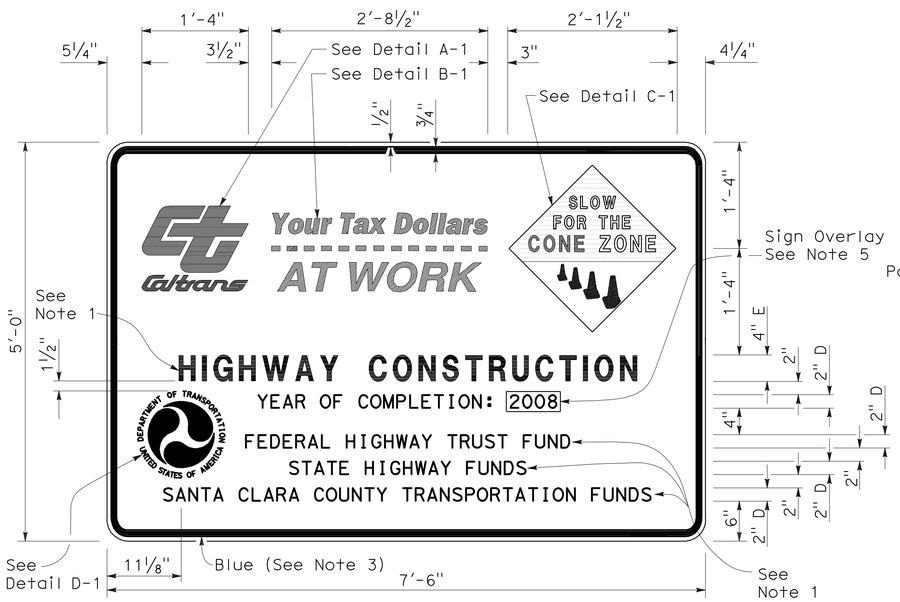
NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

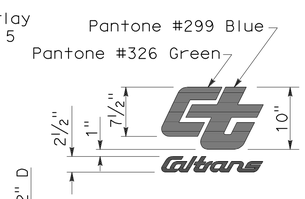
NEW STANDARD PLAN NSP T3A

2006 NEW STANDARD PLAN NSP T3A

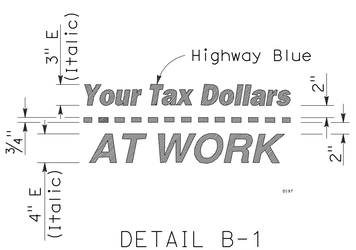
8-31-10



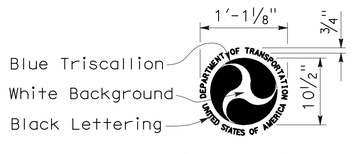
TYPE 1



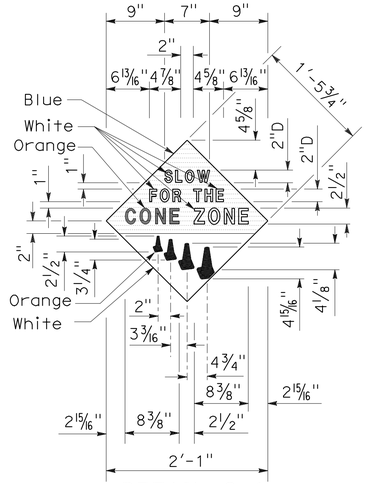
DETAIL A-1



DETAIL B-1
(See Note 3)



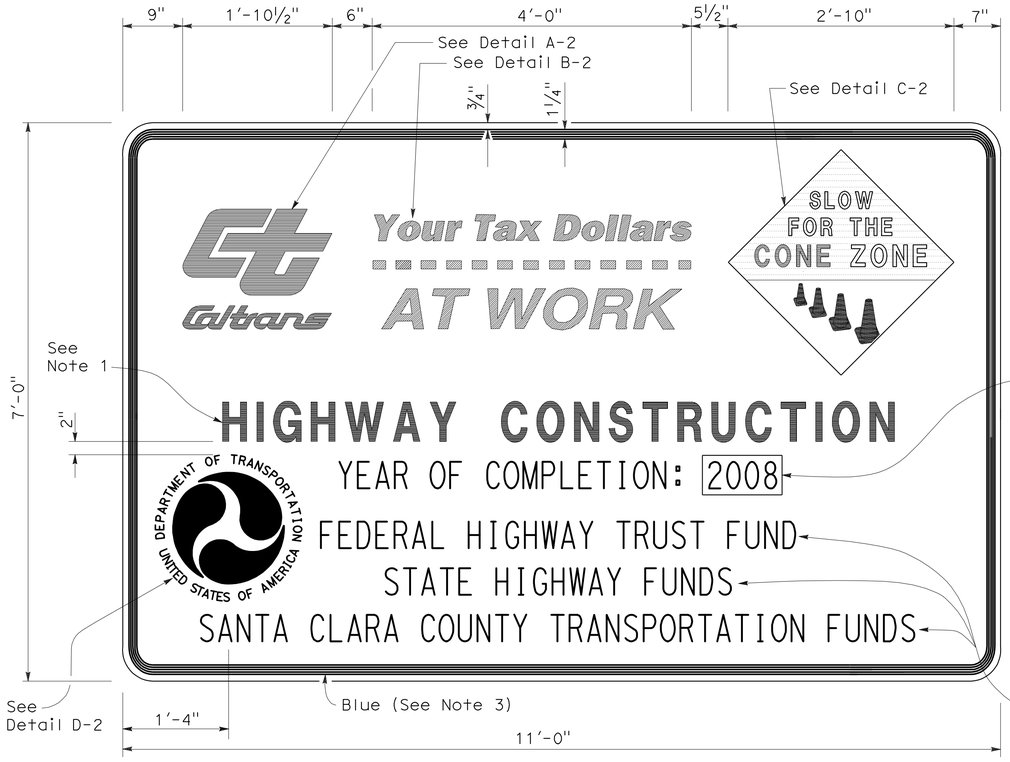
DETAIL D-1
(See Note 6)



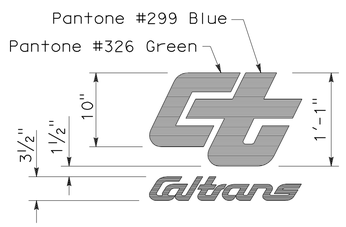
DETAIL C-1
(See Note 4)

NOTES:

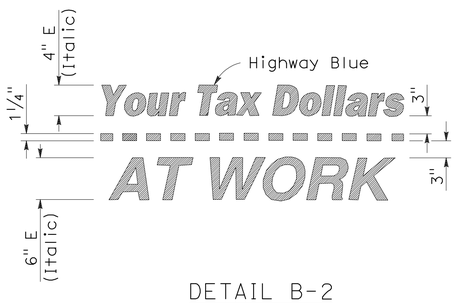
1. The sign messages shown for type of project and fund types are examples only. See the Special Provisions for the applicable type of project and fund type messages to be used.
2. Except as otherwise shown, the legend of sign shall be black on a white background (non-reflective).
3. The border of the signs and details "B-1" and "B-2" shall be blue (non-reflective).
4. The diamond in details "C-1" and "C-2" shall be blue for the background of message, " SLOW FOR THE CONE ZONE", and white background for the orange cones. The color and type of font for the "SLOW FOR THE CONE ZONE" message shall be: "SLOW" white D; "FOR THE" white D; "CONE" orange Arial font; "ZONE" white Arial font.
5. Year of completion of project construction shown on the overlay is an example only. See the Special Provisions.
6. Use when the Project involves Federal Highway Trust Fund.



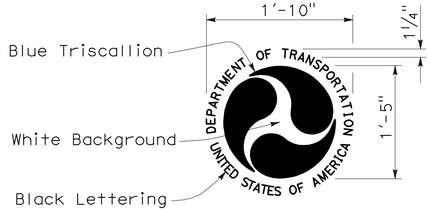
TYPE 2



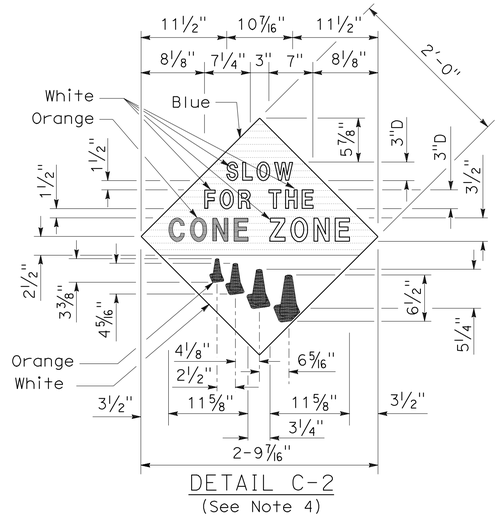
DETAIL A-2



DETAIL B-2
(See Note 3)



DETAIL D-2
(See Note 6)



DETAIL C-2
(See Note 4)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS

NO SCALE

RSP T7 DATED NOVEMBER 17, 2006 SUPERSEDES STANDARD PLAN T7
DATED MAY 1, 2006 - PAGE 217 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T7

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	12	22

Greg W. Edwards
REGISTERED CIVIL ENGINEER

November 17, 2006
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Greg W. Edwards
No. C36386
Exp. 6-30-08
CIVIL
STATE OF CALIFORNIA

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To accompany plans dated 12-27-11

2006 REVISED STANDARD PLAN RSP T7

9-7-06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	13	22

REGISTERED CIVIL ENGINEER

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

October 5, 2007
PLANS APPROVAL DATE

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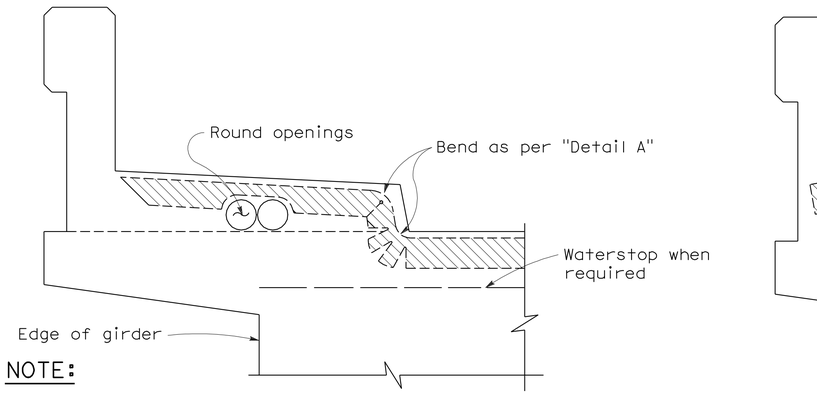
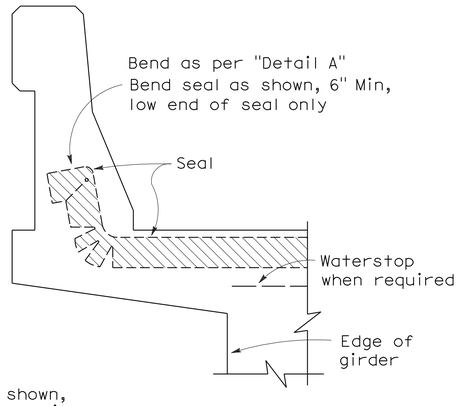
To accompany plans dated 12-27-11



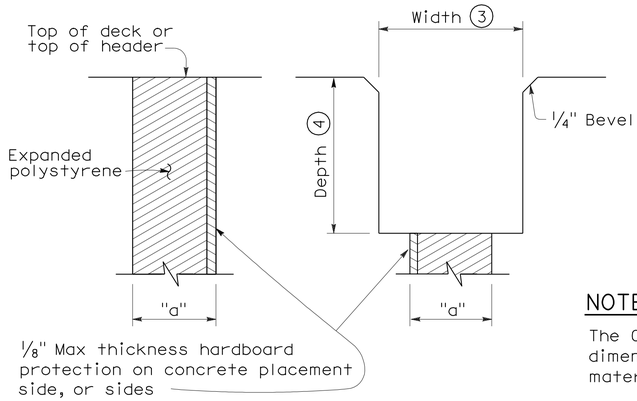
NOTE:

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

CONCRETE BARRIER AND SIDEWALK



CONCRETE BARRIER



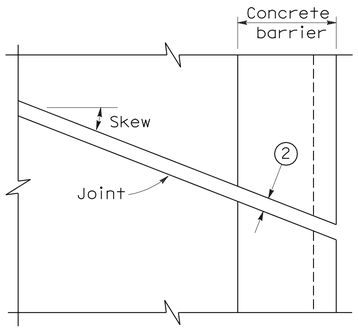
FORMING DETAIL

SAWCUT DETAIL

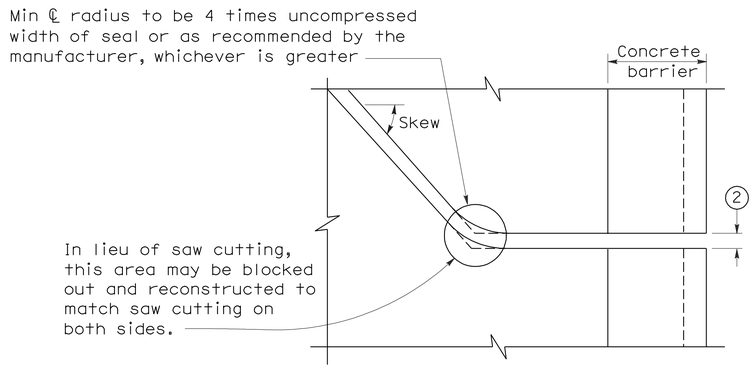
NOTE:

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

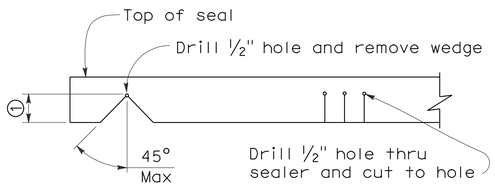
JOINT SEALS DETAILS

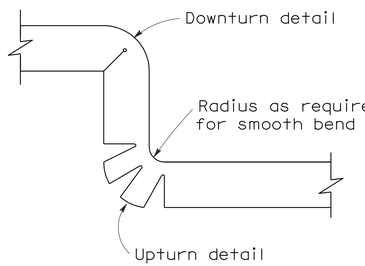


PLAN OF JOINT (SKEW ≤ 20°)



PLAN OF JOINT (SKEW > 20°)





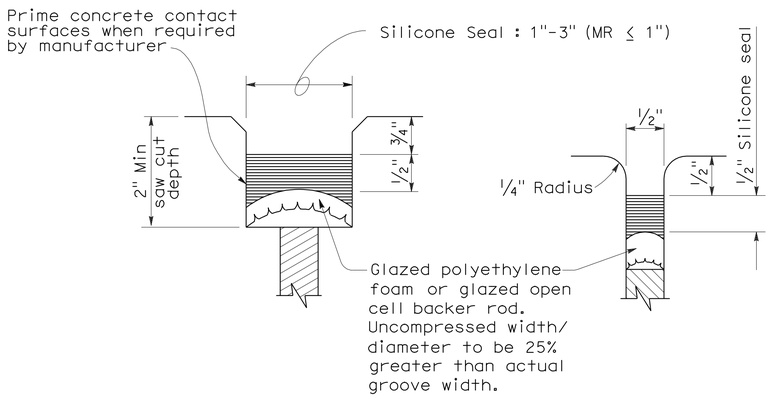
DETAIL A

NOTES:

1. Make smooth cuts from the bottom of seal to 1½" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
2. Opening in barrier to match width of sawn deck joint.
3. Sawcut groove widths shall be as ordered by the Engineer.
4. Depth of sawcut: Type A - Depth to be 2" minimum.
   Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (W_2) plus dimensions shown.
5. MR (movement rating) as shown on other plan sheets.
6. Other depths must be approved by the Engineer.

DIMENSIONS "a" OF JOINT REQUIRED

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

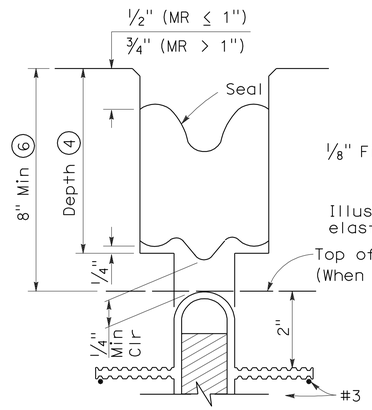


TYPE A SEAL

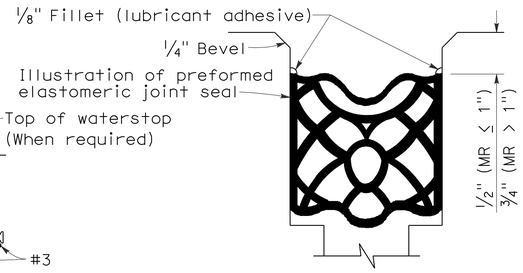
Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W_2)



TYPE B SEAL

Movement Rating ≤ 2"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

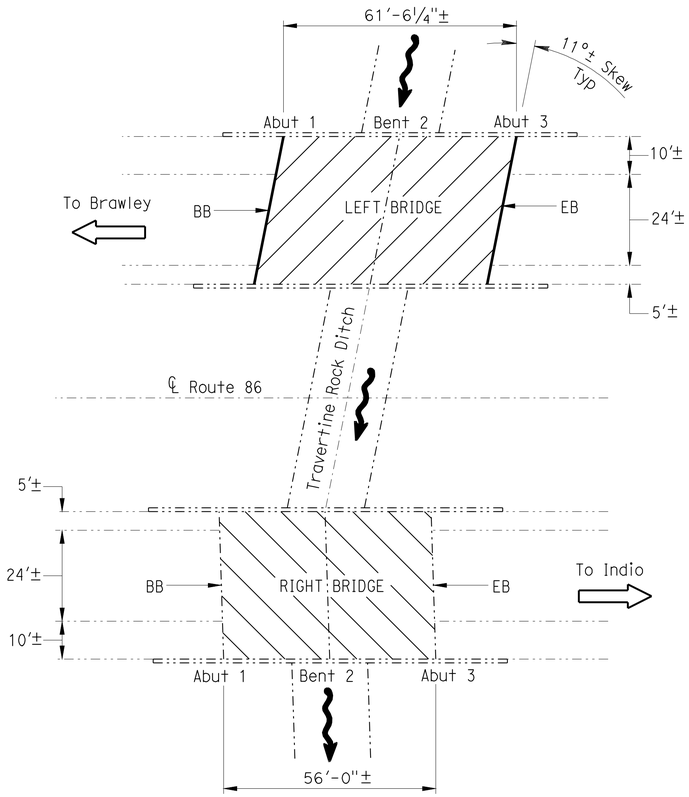
NO SCALE

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

REVISED STANDARD PLAN RSP B6-21

2006 REVISED STANDARD PLAN RSP B6-21

5-8-07



TRAVERTINE DITCH

Br No. 56-0163L/R, Riv, ROUTE 86, PM 0.09
1" = 20′

01 - TRAVERTINE DITCH — Br No. 56-0163L/R

QUANTITIES

REMOVE CONCRETE DECK SURFACE	2,184	SQFT
REMOVE UNSOUND CONCRETE	5.5	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	4,583	SQFT
CLEAN EXPANSION JOINT	82	LF
RAPID SETTING CONCRETE (PATCH)	5.5	CF
FURNISH POLYESTER CONCRETE OVERLAY	218	CF
PLACE POLYESTER CONCRETE OVERLAY	2,184	SQFT
JOINT SEAL (MR 1/2")	82	LF
TREAT BRIDGE DECK	2,399	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	27	GAL

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

NOTES:

- Indicates existing.
- Indicates location of existing joint seal removal and placement of new joint seal.
- Indicates limits of prepare and treat bridge deck with high molecular weight methacrylate.
- Indicates limits of removal of existing 1"± concrete deck surface, prepare bridge deck surface, furnish and place new 1" min depth polyester concrete overlay.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	14	22

REGISTERED CIVIL ENGINEER — 9-6-11 DATE

12-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA No. 52003 Exp. 12-31-12 CIVIL — STATE OF CALIFORNIA

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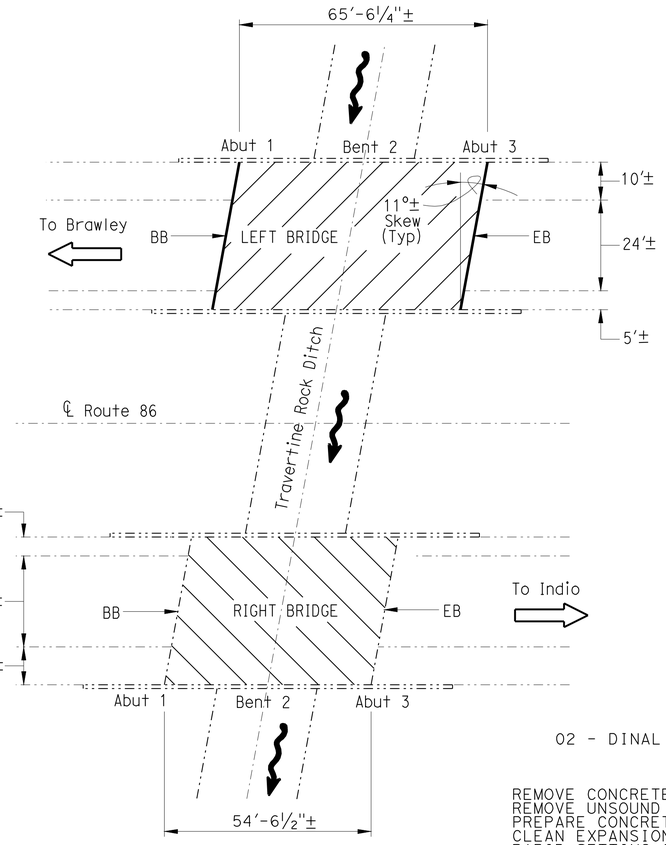
INDEX TO PLANS

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	JOINT SEAL DETAILS NO. 1
9	JOINT SEAL DETAILS NO. 2

STANDARD PLANS DATED MAY 2006

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



DINAL DITCH

Br No. 56-0161L/R, Riv, ROUTE 86, PM 0.19
1" = 20′

02 - DINAL DITCH — Br No. 56-0161L/R

QUANTITIES

REMOVE CONCRETE DECK SURFACE	2,127	SQFT
REMOVE UNSOUND CONCRETE	5.3	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	4,682	SQFT
CLEAN EXPANSION JOINT	80.5	LF
RAPID SETTING CONCRETE (PATCH)	5.3	CF
FURNISH POLYESTER CONCRETE OVERLAY	213	CF
PLACE POLYESTER CONCRETE OVERLAY	2,127	SQFT
JOINT SEAL (MR 1/2")	80.5	LF
TREAT BRIDGE DECK	2,555	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	28	GAL

PROJECT NUMBER & PHASE 0800020016

DESIGN ENGINEER — 9-6-11	DESIGN	BY M. Hashimoto	CHECKED D. Acoba	LAYOUT	BY N. Kelley	CHECKED M. Hashimoto	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
	DETAILS	BY N. Kelley	CHECKED D. Acoba	SPECIFICATIONS	BY J. Choi	PLANS AND SPECIFICATIONS COMPARED J. Choi		
	QUANTITIES	BY M. Hashimoto	CHECKED D. Acoba					

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 08608
EA 0P6801

BRIDGE NO. Varies
POST MILE Various

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 4-27-11 | 5-13-11 | 8-3-11 | 9-6-11 | 9-14-11

SHEET 1 OF 9

ROUTE 86 BRIDGES
GENERAL PLAN NO. 1

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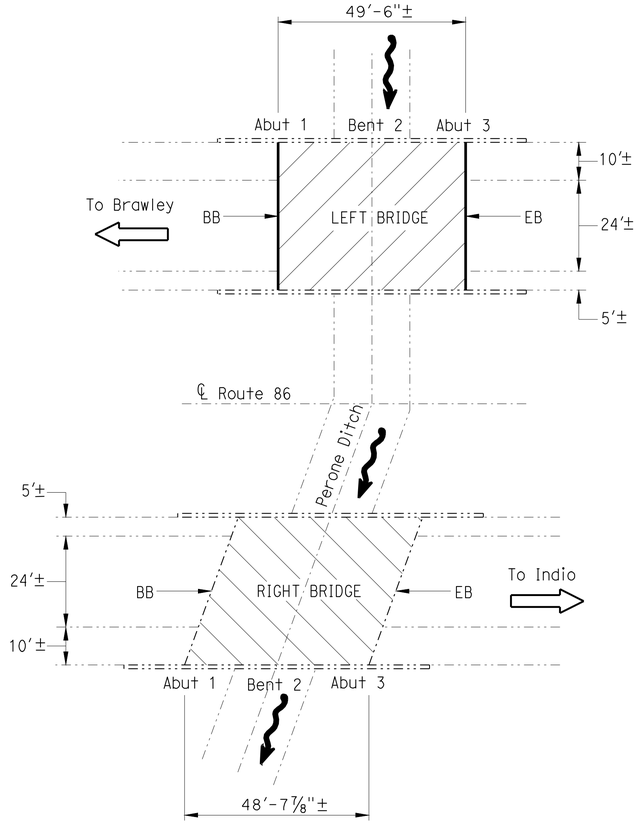
USERNAME => s128843 DATE PLOTTED => 27-DEC-2011 TIME PLOTTED => 11:13



PERONE DITCH

Br No. 56-0159L/R, Riv, ROUTE 86, PM 0.36
1" = 20′

03 - PERONE DITCH — Br No. 56-0159L/R

QUANTITIES

REMOVE CONCRETE DECK SURFACE	1,898	SQFT
REMOVE UNSOUND CONCRETE	4.7	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	3,829	SQFT
CLEAN EXPANSION JOINT	79	LF
RAPID SETTING CONCRETE (PATCH)	4.7	CF
FURNISH POLYESTER CONCRETE OVERLAY	190	CF
PLACE POLYESTER CONCRETE OVERLAY	1,898	SQFT
JOINT SEAL (MR 1/2")	79	LF
TREAT BRIDGE DECK	1,931	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	21.5	GAL

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

NOTES:

Indicates existing.

Indicates location of existing joint seal removal and placement of new joint seal.

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

Indicates limits of removal of existing 1"± concrete deck surface, prepare bridge deck surface, furnish and place new 1" min depth polyester concrete overlay.

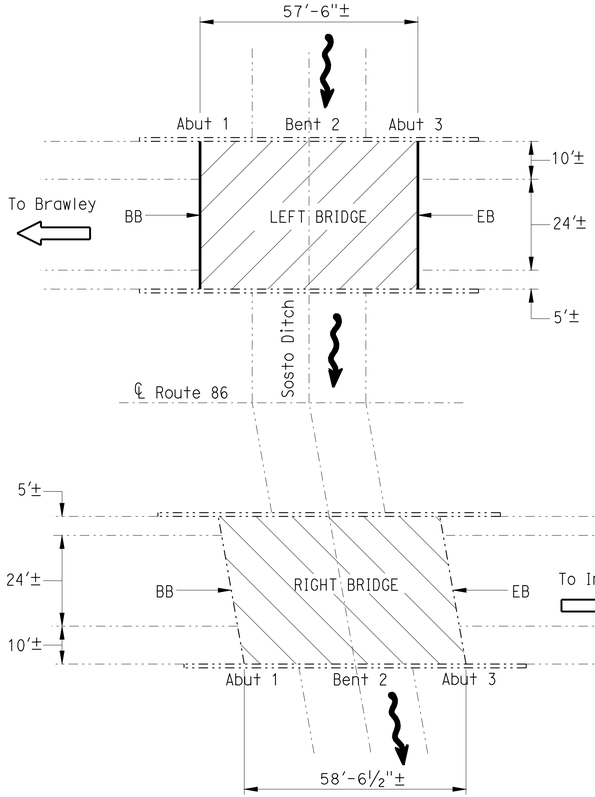
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	15	22

REGISTERED CIVIL ENGINEER — 9-6-11 DATE

12-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA No. 52003 Exp. 12-31-12 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.



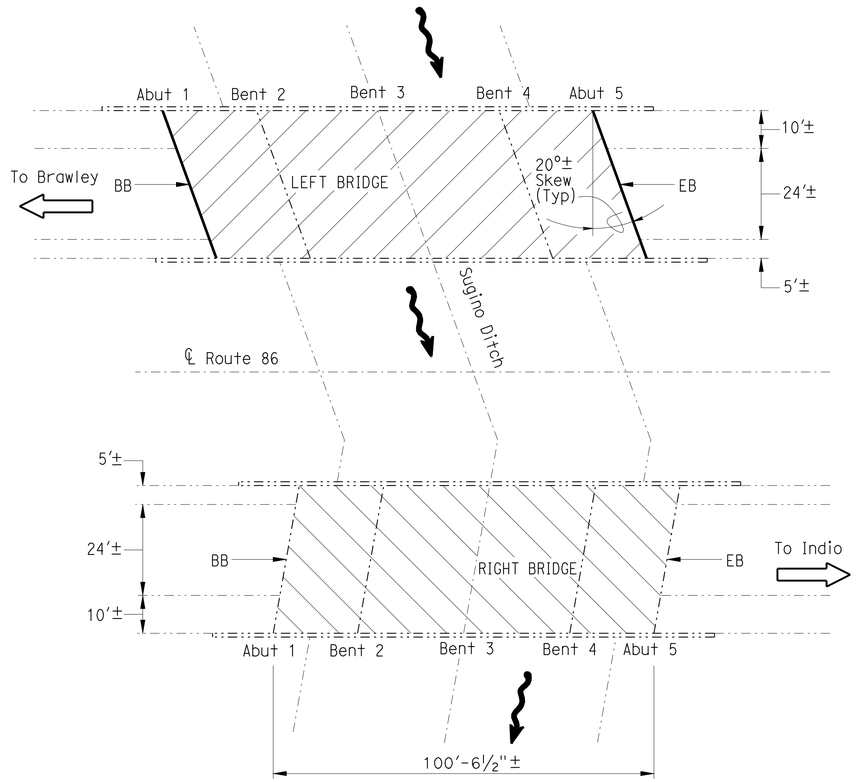
SOSTO DITCH

Br No. 56-0158L/R, Riv, ROUTE 86, PM 0.52
1" = 20′

04 - SOSTO DITCH — Br No. 56-0158L/R

QUANTITIES

REMOVE CONCRETE DECK SURFACE	2,283	SQFT
REMOVE UNSOUND CONCRETE	5.7	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	4,526	SQFT
CLEAN EXPANSION JOINT	78	LF
RAPID SETTING CONCRETE (PATCH)	5.7	CF
FURNISH POLYESTER CONCRETE OVERLAY	228	CF
PLACE POLYESTER CONCRETE OVERLAY	2,283	SQFT
JOINT SEAL (MR 1/2")	78	LF
TREAT BRIDGE DECK	2,243	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	25	GAL



SUGINO DITCH

Br No. 56-0156L/R, Riv, ROUTE 86, PM 0.66
1" = 20′

05 - SUGINO DITCH — Br No. 56-0156L/R

QUANTITIES

REMOVE CONCRETE DECK SURFACE	3,921	SQFT
REMOVE UNSOUND CONCRETE	9.8	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	7,842	SQFT
CLEAN EXPANSION JOINT	84	LF
RAPID SETTING CONCRETE (PATCH)	9.8	CF
FURNISH POLYESTER CONCRETE OVERLAY	392	CF
PLACE POLYESTER CONCRETE OVERLAY	3,921	SQFT
JOINT SEAL (MR 1/2")	84	LF
TREAT BRIDGE DECK	3,921	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	44	GAL

PROJECT NUMBER & PHASE 0800020016

DESIGN ENGINEER 9-6-11	DESIGN	BY M. Hashimoto	CHECKED D. Acoba	LAYOUT	BY N. Kelley	CHECKED M. Hashimoto	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies
	DETAILS	BY N. Kelley	CHECKED D. Acoba	SPECIFICATIONS	BY J. Choi	PLANS AND SPECIFICATIONS COMPARED J. Choi			POST MILE Various
	QUANTITIES	BY M. Hashimoto	CHECKED D. Acoba					CU 08608 EA 0P6801	

ROUTE 86 BRIDGES
GENERAL PLAN NO. 2

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES									SHEET	OF
4-27-11	5-17-11	8-31-11	9-6-11	9-14-11					2	9

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	16	22

REGISTERED CIVIL ENGINEER — 9-6-11 DATE

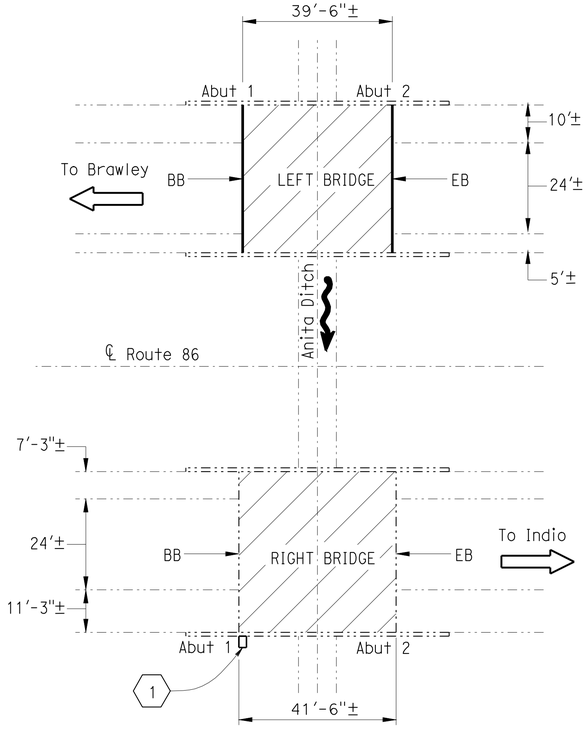
12-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA No. 52003 Exp. 12-31-12 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.

NOTES:

- Indicates existing.
- Indicates location of existing joint seal removal and placement of new joint seal.
- Indicates limits of prepare and treat bridge deck with high molecular weight methacrylate.
- (1) Indicates limits of back - fill with slurry mix (7'D x 3'L x 2'W).



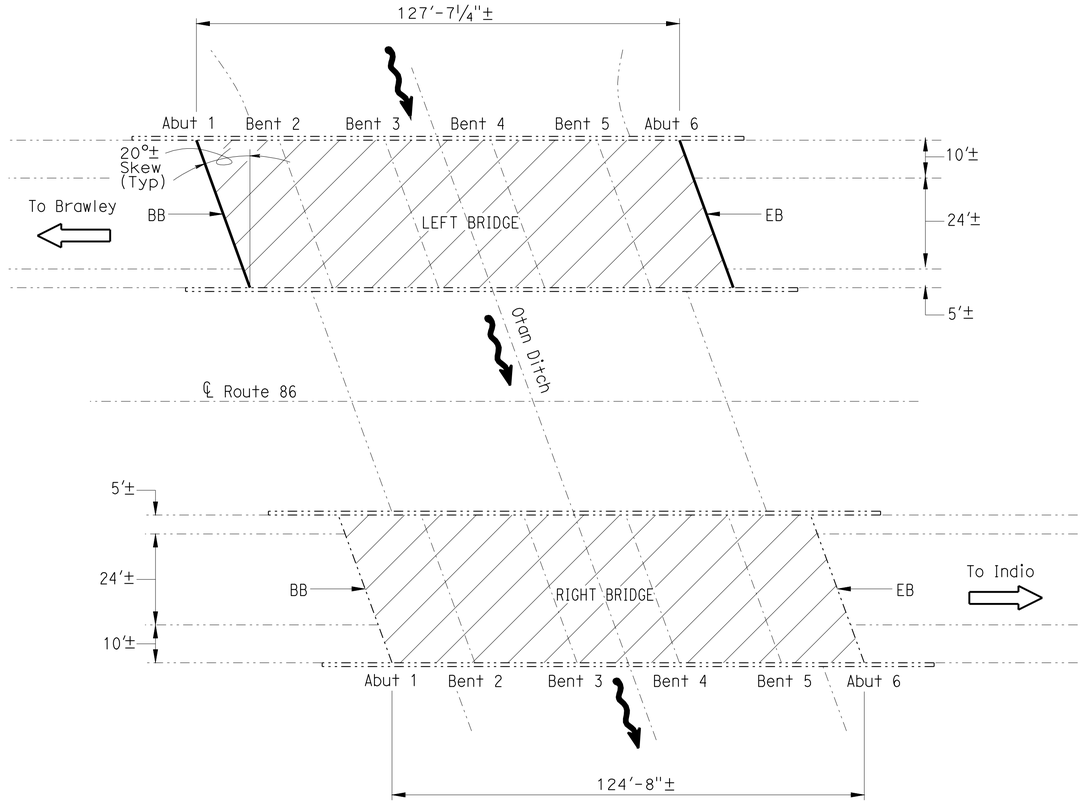
ANITA DITCH

Br No. 56-0154L/R, Riv, ROUTE 86, PM 0.84
1" = 20'

06 - ANITA DITCH — Br No. 56-0154L/R

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	3,304	SQFT
STRUCTURE BACKFILL (SLURRY CEMENT)	1.6	CY
CLEAN EXPANSION JOINT	79	LF
JOINT SEAL (MR 1/2")	79	LF
TREAT BRIDGE DECK	3,304	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	37	GAL



OTAN DITCH

Br No. 56-0153L/R, Riv, ROUTE 86, PM 0.99
1" = 20'

07 - OTAN DITCH — Br No. 56-0153L/R

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	9,839	SQFT
CLEAN EXPANSION JOINT	84	LF
JOINT SEAL (MR 1")	84	LF
TREAT BRIDGE DECK	9,839	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	109	GAL

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

PROJECT NUMBER & PHASE 0800020016

DESIGN ENGINEER — 9-6-11	DESIGN	BY M. Hashimoto	CHECKED D. Acoba	LAYOUT	BY N. Kelley	CHECKED M. Hashimoto	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies
	DETAILS	BY N. Kelley	CHECKED D. Acoba	SPECIFICATIONS	BY J. Choi	PLANS AND SPECIFICATIONS COMPARED J. Choi			POST MILE Various
	QUANTITIES	BY M. Hashimoto	CHECKED D. Acoba					CU 08608 EA 0P6801	

ROUTE 86 BRIDGES
GENERAL PLAN NO. 3

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 4-27-11 | 5-17-11 | 6-17-11 | 8-3-11 | 9-6-11 | 9-14-11

SHEET 3 OF 9

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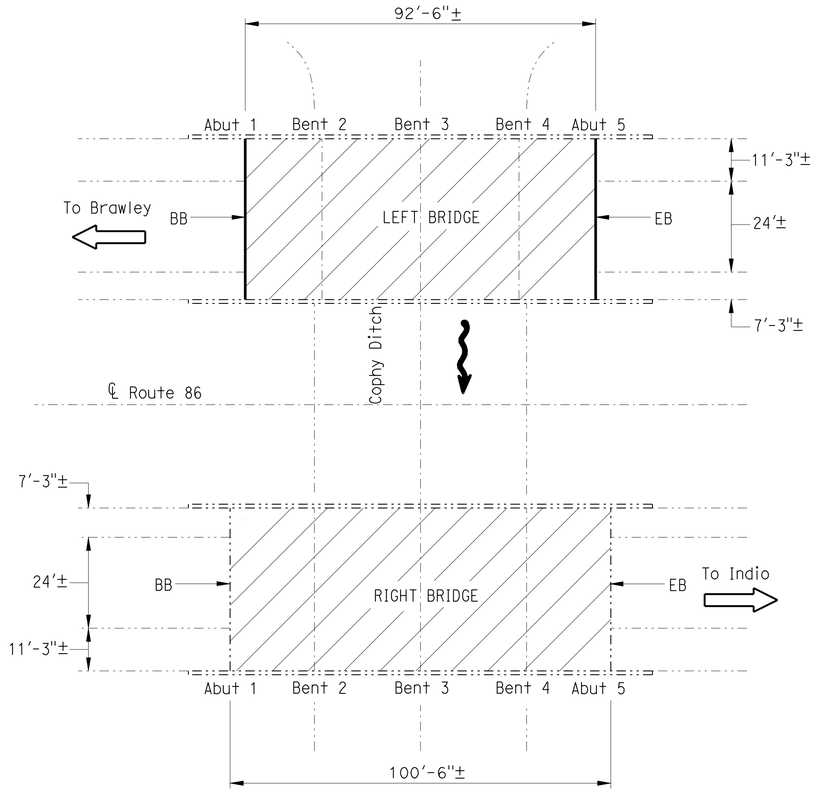


COPHY DITCH

Br No. 56-0150L/R, Riv, ROUTE 86, PM 1.39
1" = 20′

08 - COPHY DITCH — Br No. 56-0150L/R

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	8,203	SQFT
CLEAN EXPANSION JOINT	86	LF
JOINT SEAL (MR 1/2")	86	LF
TREAT BRIDGE DECK	8,203	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	91	GAL

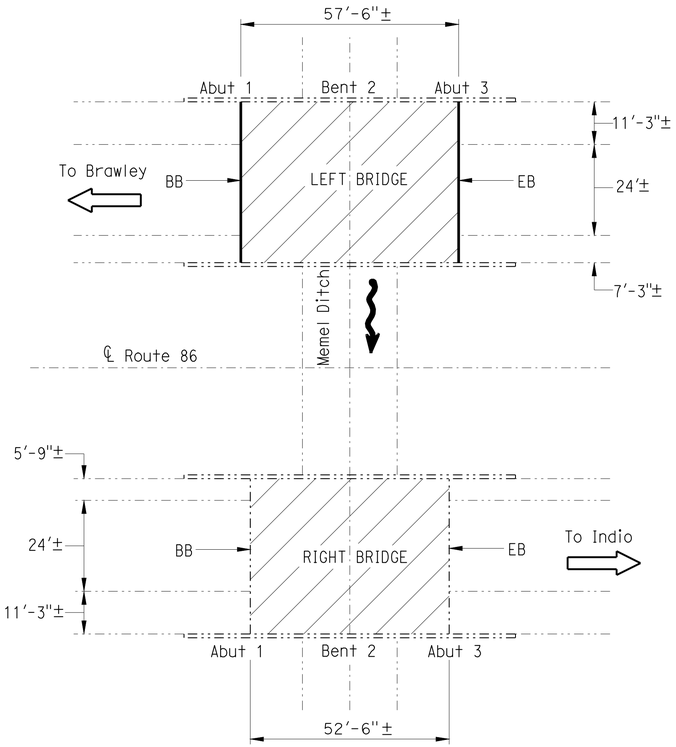
NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

NOTES:

Indicates existing.

Indicates location of existing joint seal removal and placement of new joint seal.

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



MEMEL DITCH

Br No. 56-0149L/R, Riv, ROUTE 86, PM 1.58
1" = 20′

09 - MEMEL DITCH — Br No. 56-0149L/R

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	4,801	SQFT
CLEAN EXPANSION JOINT	86	LF
JOINT SEAL (MR 1/2")	86	LF
TREAT BRIDGE DECK	4,801	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	53	GAL

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	17	22

REGISTERED CIVIL ENGINEER — 9-6-11 DATE

12-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA No. 52003 Exp. 12-31-12 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.

PROJECT NUMBER & PHASE 0800020016

DESIGN ENGINEER 9-6-11	DESIGN	BY M. Hashimoto	CHECKED D. Acoba	LAYOUT	BY N. Kelley	CHECKED M. Hashimoto	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies	ROUTE 86 BRIDGES
	DETAILS	BY N. Kelley	CHECKED D. Acoba						POST MILE Various	GENERAL PLAN NO. 4
	QUANTITIES	BY M. Hashimoto	CHECKED D. Acoba	SPECIFICATIONS	BY J. Choi	PLANS AND SPECIFICATIONS COMPARED J. Choi		CU 08608 EA 0P6801	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES: 4-27-11, 5-18-11, 8-3-11, 9-7-11, 9-14-11 — SHEET 4 OF 9

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

FILE => 08_0p6801_dgp.dgn

USERNAME => s128843 DATE PLOTTED => 27-DEC-2011 TIME PLOTTED => 11:13

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	18	22

REGISTERED CIVIL ENGINEER — 9-6-11 DATE

12-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA No. 52003 Exp. 12-31-12 CIVIL — STATE OF CALIFORNIA

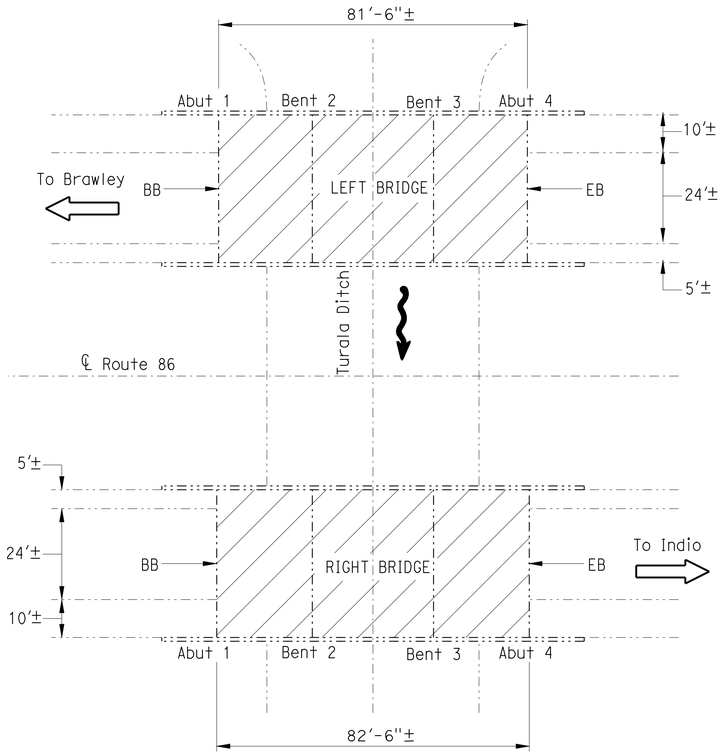
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

NOTES:

Indicates existing.

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

(2) Indicates limits of back - fill with slurry mix (4'D x 2'L x 2'W).



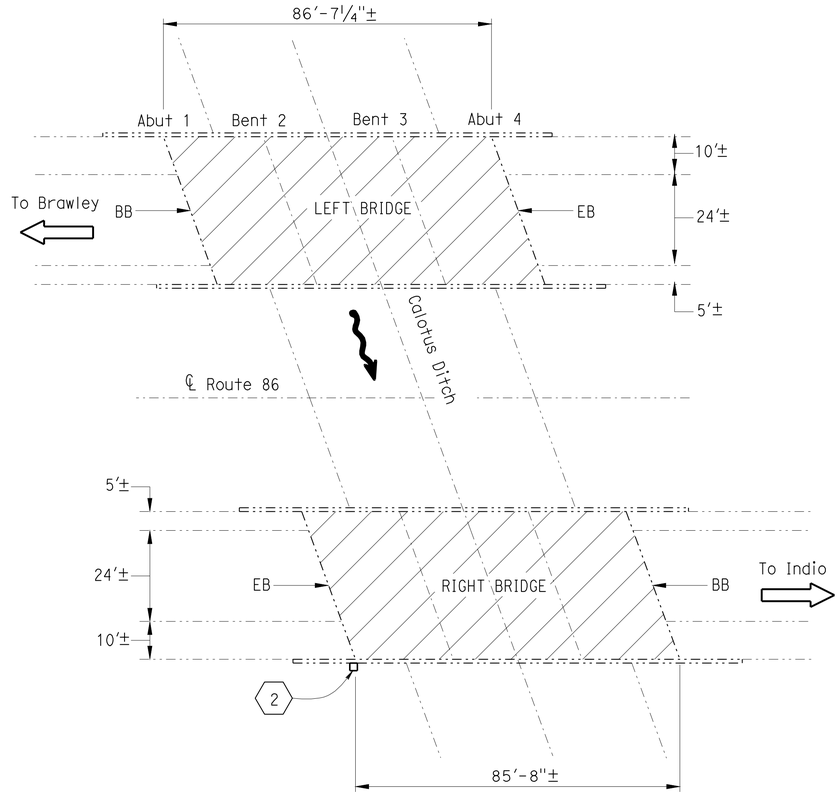
TURALA DITCH

Br No. 56-0148L/R, Riv, ROUTE 86, PM 1.82
1" = 20'

10 - TURALA DITCH — Br No. 56-0148L/R

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	6,396	SQFT
TREAT BRIDGE DECK	6,396	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	71	GAL



CALOTUS DITCH

Br No. 56-0147L/R, Riv, ROUTE 86, PM 2.01
1" = 20'

11 - CALOTUS DITCH — Br No. 56-0147L/R

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	6,719	SQFT
STRUCTURE BACKFILL (SLURRY CEMENT)	0.6	CY
TREAT BRIDGE DECK	6,719	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	75	GAL

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

PROJECT NUMBER & PHASE 0800020016

DESIGN ENGINEER — 9-6-11	DESIGN	BY M. Hashimoto	CHECKED D. Acoba	LAYOUT	BY N. Kelley	CHECKED M. Hashimoto	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
	DETAILS	BY N. Kelley	CHECKED D. Acoba					
	QUANTITIES	BY M. Hashimoto	CHECKED D. Acoba	SPECIFICATIONS	BY J. Choi	PLANS AND SPECIFICATIONS COMPARED J. Choi		

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 08608
EA 0P6801

BRIDGE NO. Varies
POST MILE Various

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 4-27-11 | 5-18-11 | 6-17-11 | 8-3-11 | 9-7-11 | 9-14-11

SHEET 5 OF 9

ROUTE 86 BRIDGES
GENERAL PLAN NO. 5

FILE => 08_0p6801_egp.dgn

USERNAME => s128843 DATE PLOTTED => 27-DEC-2011 TIME PLOTTED => 11:16

NOTES:

-·-·-·-·- Indicates existing.

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

(3) Indicates limits of back - fill with 3 sack rock slurry mix (5'D x 12'L x 3'W).

(4) Indicates limits of back - fill with 3 sack rock slurry mix (2'D x 6'L x 4'W).

(1) Paint "Br No. 56-0777R" and paint "COACHELLA VALLEY CHANNEL BRIDGE".

(2) Paint "Br No. 56-0758L" and paint "ROUTE 86/111 SEPARATION OH".

(3) Paint "Br No. 56-0758R" and paint "ROUTE 86/111 SEPARATION OH".

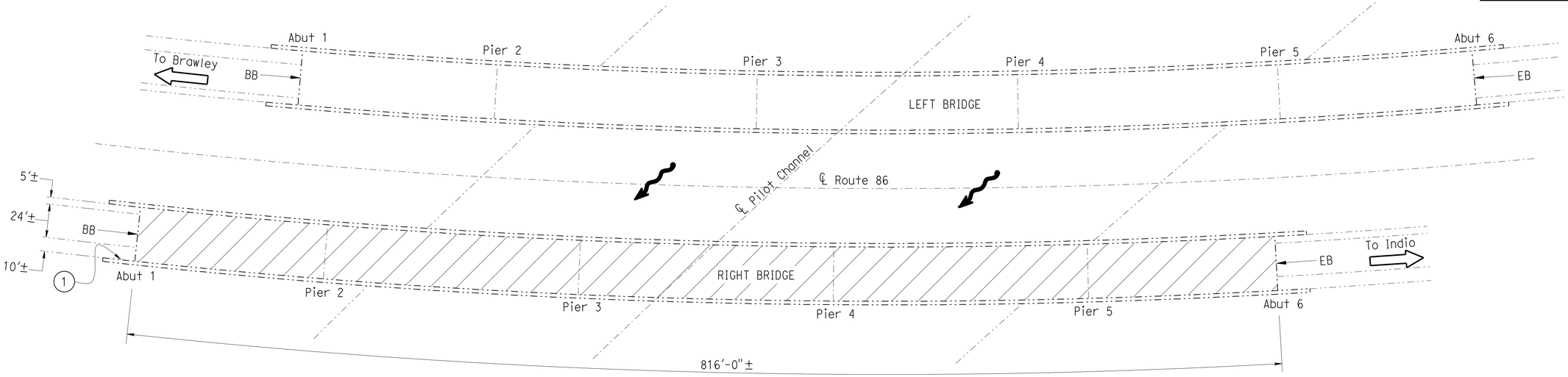
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	19	22

REGISTERED CIVIL ENGINEER — 9-6-11 DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA No. 52003 Exp. 12-31-12 CIVIL — STATE OF CALIFORNIA

12-27-11
PLANS APPROVAL DATE

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



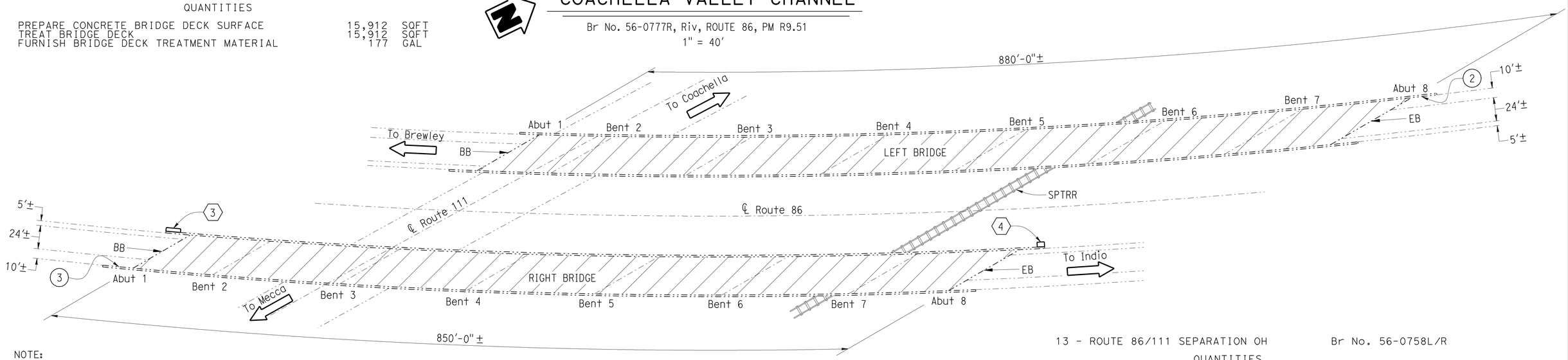
12 - COACHELLA VALLEY CHANNEL — Br No. 56-0777R

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	15,912	SQFT
TREAT BRIDGE DECK	15,912	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	177	GAL

COACHELLA VALLEY CHANNEL

Br No. 56-0777R, Riv, ROUTE 86, PM R9.51
1" = 40'



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

13 - ROUTE 86/111 SEPARATION OH — Br No. 56-0758L/R

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	67,111	SQFT
STRUCTURE BACKFILL (SLURRY CEMENT)	8.4	CY
TREAT BRIDGE DECK	67,111	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	746	GAL

ROUTE 86/111 SEPARATION OH

Br No. 56-0758L/R, Riv, ROUTE 86, PM R12.10
1" = 50'

PROJECT NUMBER & PHASE 0800020016

DESIGN ENGINEER — 9-6-11	DESIGN	BY M. Hashimoto	CHECKED D. Acoba	LAYOUT	BY N. Kelley	CHECKED M. Hashimoto	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies	ROUTE 86 BRIDGES
	DETAILS	BY N. Kelley	CHECKED D. Acoba			PLANS AND SPECIFICATIONS COMPARED J. Choi			POST MILE Various	GENERAL PLAN NO. 6
	QUANTITIES	BY M. Hashimoto	CHECKED D. Acoba	SPECIFICATIONS	BY J. Choi					

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 08608
EA 0P6801

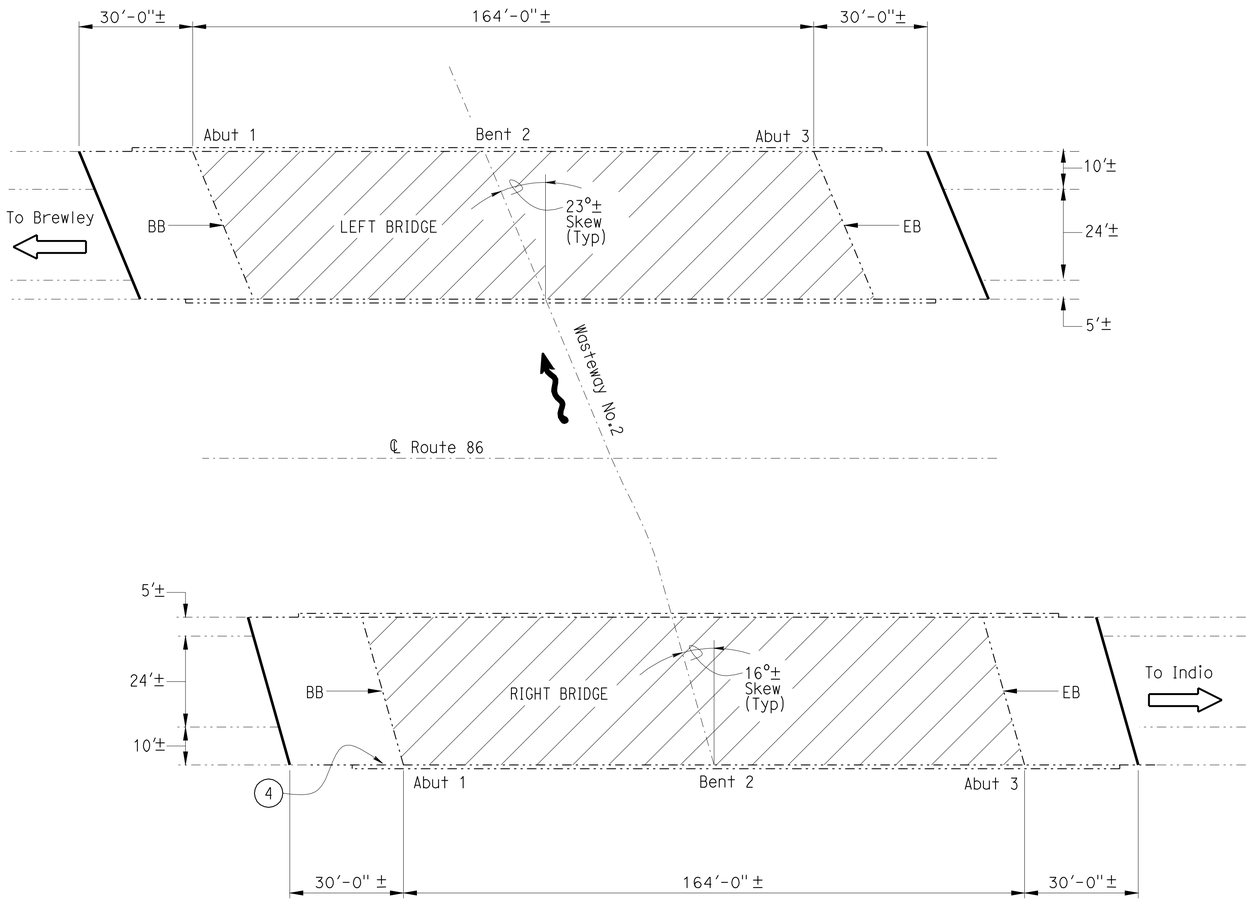
DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 4-27-11 | 4-28-11 | 5-18-11 | 6-13-11 | 8-3-11 | 9-7-11 | 9-14-11

SHEET 6 OF 9

FILE => 08_0p6801_fgp.dgn

USERNAME => s12843 DATE PLOTTED => 27-DEC-2011 TIME PLOTTED => 11:13



NOTES:

Indicates existing.

Indicates location of existing joint seal removal and placement of new joint seal.

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

(4) Paint "Br. No. 56-07589R" and paint "WASTEWAY NO.2".

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	20	22

REGISTERED CIVIL ENGINEER — 9-6-11 DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA No. 52003 Exp. 12-31-12 CIVIL — STATE OF CALIFORNIA

12-27-11
PLANS APPROVAL DATE

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WASTEWAY NO.2

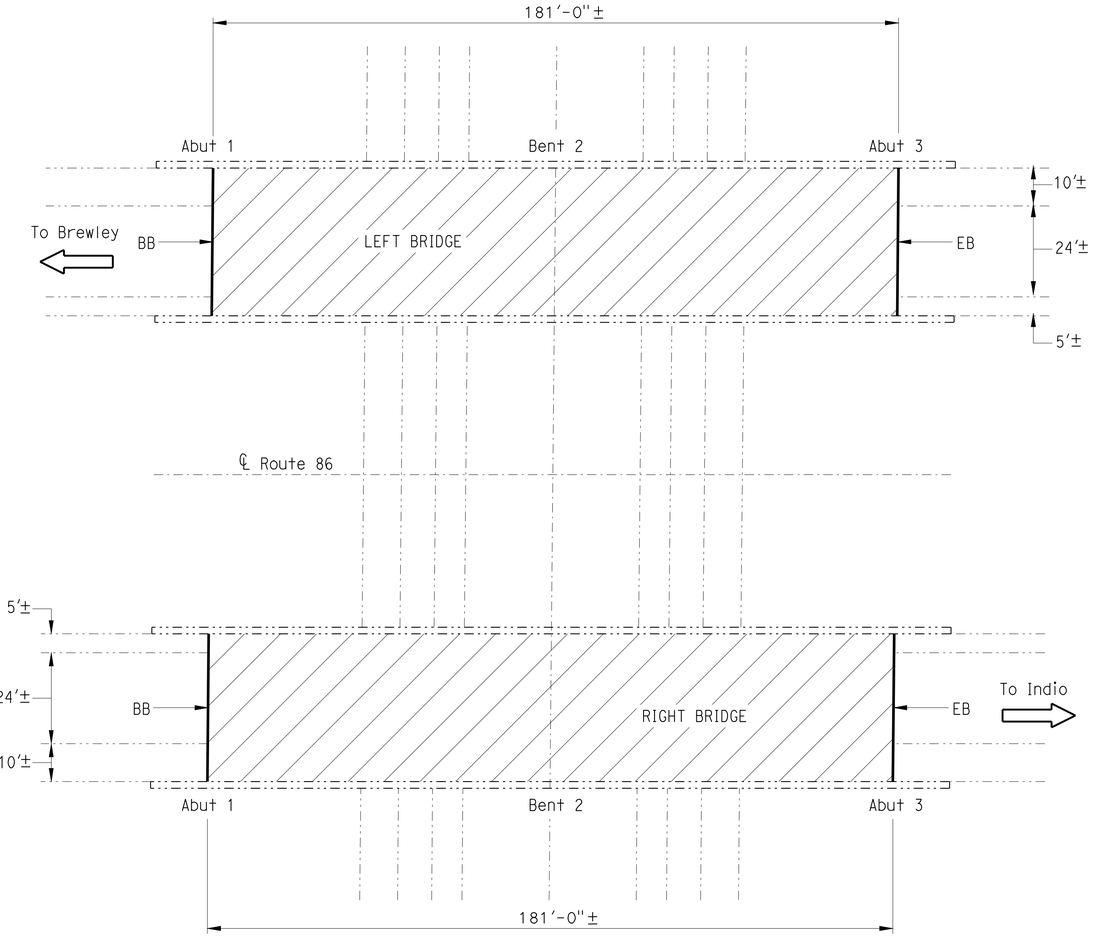
Br No. 56-0759L/R, RIV, Route 86, PM R18.50
1" = 20'

14 - WASTEWAY NO.2 — BR. NO. 56-0759L/R

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	12,792	SQFT
CLEAN EXPANSION JOINT	168	LF
JOINT SEAL (MR 1")	168	LF
TREAT BRIDGE DECK	12,792	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	142	GAL

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



DILLON ROAD UC

Br No. 56-0760L/R, RIV, Route 86, PM R22.16
1" = 20'

15 - DILLON ROAD UC — BR. NO. 56-0760L/R

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	14,118	SQFT
CLEAN EXPANSION JOINT	158	LF
JOINT SEAL (MR 1")	158	LF
TREAT BRIDGE DECK	14,118	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	157	GAL

PROJECT NUMBER & PHASE 0800020016

DESIGN ENGINEER 9-6-11	DESIGN	BY M. Hashimoto	CHECKED D. Acoba	LAYOUT	BY N. Kelley	CHECKED M. Hashimoto	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies
	DETAILS	BY N. Kelley	CHECKED D. Acoba						POST MILE Various
	QUANTITIES	BY M. Hashimoto	CHECKED D. Acoba	SPECIFICATIONS	BY J. Choi	PLANS AND SPECIFICATIONS COMPARED J. Choi		CU 08608 EA 0P6801	

ROUTE 86 BRIDGES
GENERAL PLAN NO. 7

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 4-27-11 | 4-28-11 | 5-31-11 | 6-13-11 | 8-3-11 | 9-7-11 | 9-14-11

SHEET 7 OF 9

FILE => 08_0p6801_ggp.dgn

USERNAME => s123631 DATE PLOTTED => 27-DEC-2011 TIME PLOTTED => 10:52

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	21	22

REGISTERED CIVIL ENGINEER — 9-6-11 DATE

12-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DIOSDADO ACOBA
No. 52003
Exp. 12-31-12
CIVIL
STATE OF CALIFORNIA

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JOINT SEAL TABLE

BRIDGE NUMBER	BRIDGE NAME	LOCATION		MINIMUM "MR" (in)	APPROXIMATE LENGTH (ft)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (in)
56-0163L	TRAVERTINE DITCH	Abut 1	BB	1/2	40.8	No	12
		Abut 3	EB	1/2	40.8	No	12
56-0161L	DINAL DITCH	Abut 1	BB	1/2	40.2	No	12
		Abut 3	EB	1/2	40.2	No	12
56-0159L	PERONE DITCH	Abut 1	BB	1/2	39.5	No	12
		Abut 3	EB	1/2	39.5	No	12
56-0158L	SOSTO DITCH	Abut 1	BB	1/2	39.0	No	12
		Abut 3	EB	1/2	39.0	No	12
56-0156L	SUGINO DITCH	Abut 1	BB	1/2	42.0	No	12
		Abut 5	EB	1/2	42.0	No	12
56-0154L	ANITA DITCH	Abut 1	BB	1/2	39.5	No	12
		Abut 2	EB	1/2	39.5	No	12
56-0153L	OTAN DITCH	Abut 1	BB	1	42.0	No	12
		Abut 6	EB	1	42.0	No	12
56-0150L	COPHY DITCH	Abut 1	BB	1/2	43.0	No	12
		Abut 5	EB	1/2	43.0	No	12
56-0149L	MEMEL DITCH	Abut 1	BB	1/2	43.0	No	12
		Abut 3	EB	1/2	43.0	No	12
56-0759L	WASTEWAY NO. 2	Abut 1	AS	1	42.9	Yes	8
		Abut 3	AS	1	42.9	Yes	8
56-0759R	WASTEWAY NO. 2	Abut 1	AS	1	41.1	Yes	8
		Abut 3	AS	1	41.1	Yes	8
56-0760L	DILLON ROAD UC	Abut 1	BB	1	39.5	No	45
		Abut 3	EB	1	39.5	No	45
56-0760R	DILLON ROAD UC	Abut 1	BB	1	39.5	No	45
		Abut 3	EB	1	39.5	No	45

LEGEND:

AS - Joint seal location between approach slab and sleeper slab
BB - Paving Notch at begginning of bridge
EB - Paving Notch at end of bridge

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

DECK REPAIR TABLE

REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)

BRIDGE NUMBER	BRIDGE NAME	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH DAMAGE (INCHES)
TRAVERTINE DITCH	56-0163R	1	3
DINAL DITCH	56-0161R	1	3
PERONE DITCH	56-0159R	1	3
SOSTO DITCH	56-0158R	1	3
SUGINO DITCH	56-0156R	1	3

PROJECT NUMBER & PHASE 0800020016

DESIGN	BY M. Hashimoto	CHECKED D. Acoba	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies
DETAILS	BY N. Kelley	CHECKED D. Acoba			POST MILE Various
QUANTITIES	BY M. Hashimoto	CHECKED D. Acoba		CU 08608 EA 0P6801	

ROUTE 86 BRIDGES

JOINT SEAL DETAILS NO.1

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: ~~4-27-11~~ ~~5-18-11~~ ~~8-3-11~~ ~~9-7-11~~ 9-14-11

SHEET 8 OF 9

FILE => 08_0p6801_hjsdet1.dgn

USERNAME => s123631 DATE PLOTTED => 27-DEC-2011 TIME PLOTTED => 10:53

NOTES:

-·-·-·-·- Indicates existing.

Indicates limits of new polyester concrete.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	86/86S	Var	22	22

REGISTERED CIVIL ENGINEER — 9-6-11 DATE

REGISTERED PROFESSIONAL ENGINEER — DIOSDADO ACOBA No. 52003 Exp. 12-31-12 CIVIL — STATE OF CALIFORNIA

12-27-11
PLANS APPROVAL DATE

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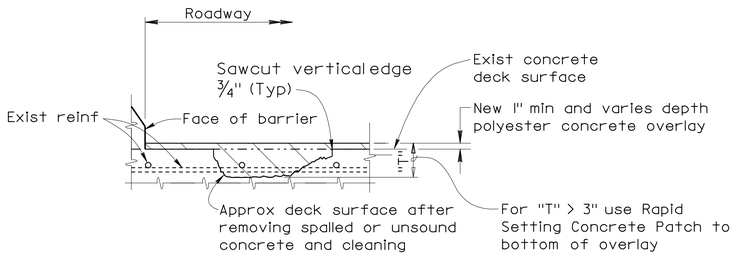
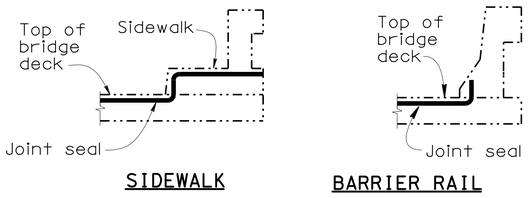


DECK REPAIR DETAIL-OVERLAY

Note: Reinforcement may be encountered during deck concrete removal.



SIDEWALK BARRIER RAIL

JOINT SEAL AT LOW SIDE OF DECK

Notes: Details shown for illustration purposes only.

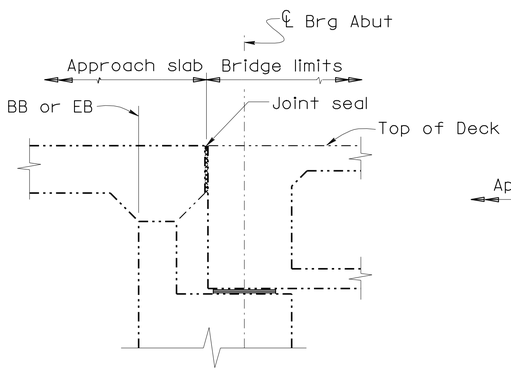
For use only where deck joint matches the sidewalk, curb or barrier rail joint.

The following notes apply to JOINT SEAL TYPE B:

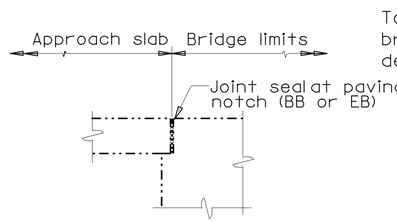
1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.
3) W1 shall be the smaller of the values determined 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 psi.
4) Bend Type B joint seal 6" up into curb or rail on the low side of the deck where deck joint matches curb or rail joint.
5) For details not shown, see RSP B6-21

The following notes apply to JOINT SEAL TYPE A:

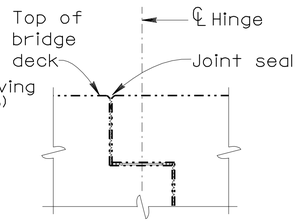
1) Install Type A joint seal 3" up into rail on the low side of deck where joint matches curb or rail joint.
2) For details not shown, see RSP B6-21



BACK WALL ABUTMENT



DIAPHRAGM ABUTMENT



HINGE

NOTE:
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PROJECT NUMBER & PHASE 0800020016

DESIGN	BY M. Hashimoto	CHECKED D. Acoba	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies; POST MILE Various
DETAILS	BY N. Kelley	CHECKED D. Acoba			
QUANTITIES	BY M. Hashimoto	CHECKED D. Acoba			

ROUTE 86 BRIDGES

JOINT SEAL DETAILS NO.2

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 08608
EA 0P6801

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 4-27-11 | 6-17-11 | 8-3-11 | 9-7-11 | 9-14-11

SHEET 9 OF 9

FILE => 08_0p6801_tjsdet2.dgn

USERNAME => s123631 DATE PLOTTED => 27-DEC-2011 TIME PLOTTED => 10:53