Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	1	47

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

ACSTP-P086(074)E

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

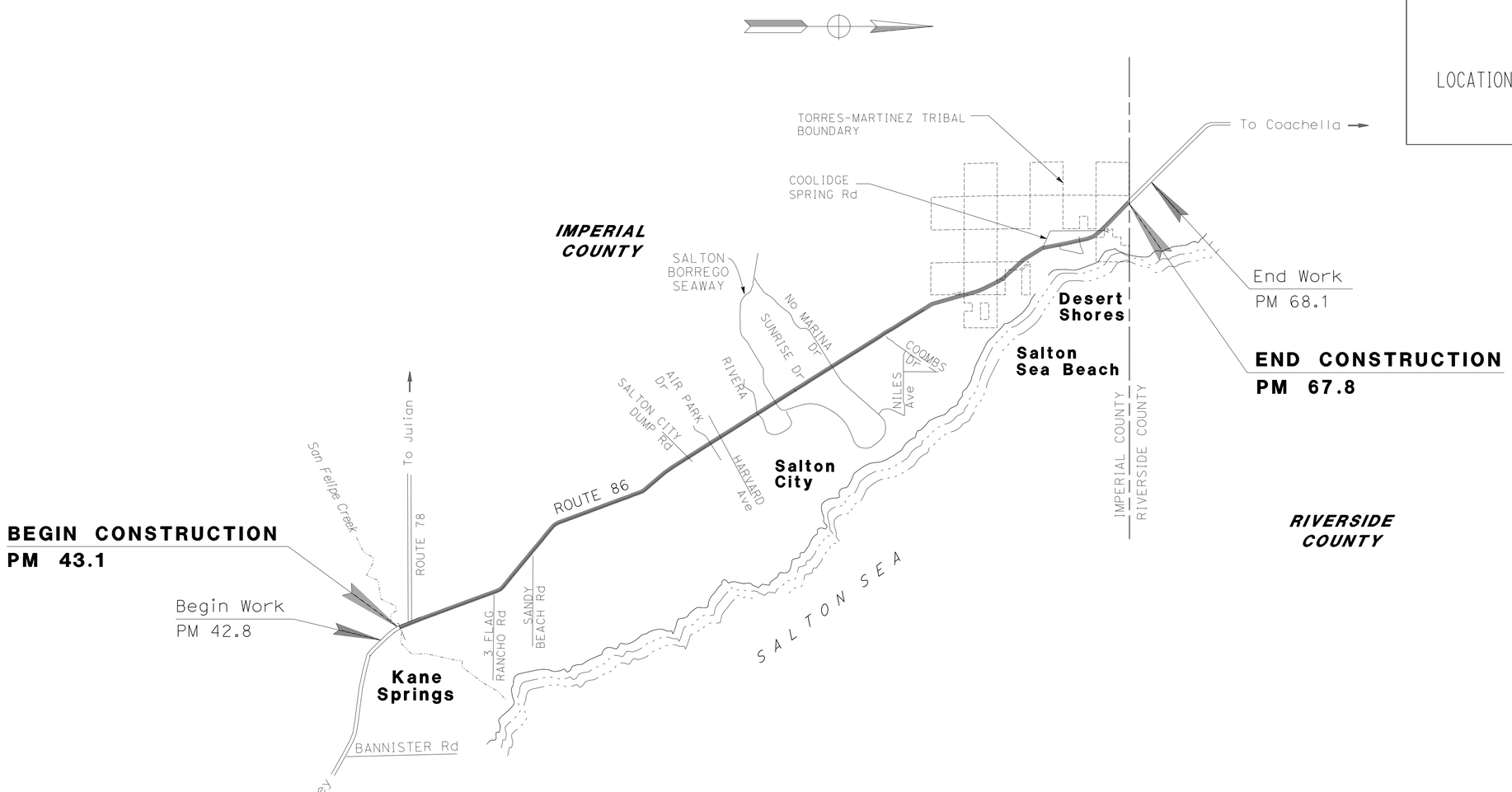
IN IMPERIAL COUNTY NEAR SALTON CITY FROM 0.5 MILE SOUTH OF NORTH JUNCTION ROUTE 78 TO RIVERSIDE COUNTY LINE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3	CONSTRUCTION DETAILS
4	CONSTRUCTION AREA SIGNS
5-26	PAVEMENT DELINEATION DETAILS AND QUANTITIES
27-35	SUMMARY OF QUANTITIES
36-47	REVISED STANDARD PLANS

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



NO SCALE

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

PROJECT MANAGER: ALBERTO GAYON

DESIGN ENGINEER: MIGUEL H. VASQUEZ

03-04-15

PROJECT ENGINEER REGISTERED CIVIL ENGINEER — DATE

REGISTERED PROFESSIONAL ENGINEER — MIGUEL H. VASQUEZ — No. C56329 — Exp. 12-31-16 — CIVIL — STATE OF CALIFORNIA

March 9, 2015

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.	11-2M6504
PROJECT ID	1113000100

LAST REVISION 03-12-15 — DATE PLOTTED => 13-AUG-2015 — TIME PLOTTED => 10:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	2	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 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 PAVEMENT STRUCTURES (STRUCTURAL SECTION) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
3. SEE SUMMARY OF QUANTITIES FOR LOCATIONS OF INDIVIDUAL SLAB REPLACEMENT (RSC).
4. FOG SEAL RUMBLE STRIP.

ABBERVITIONS:

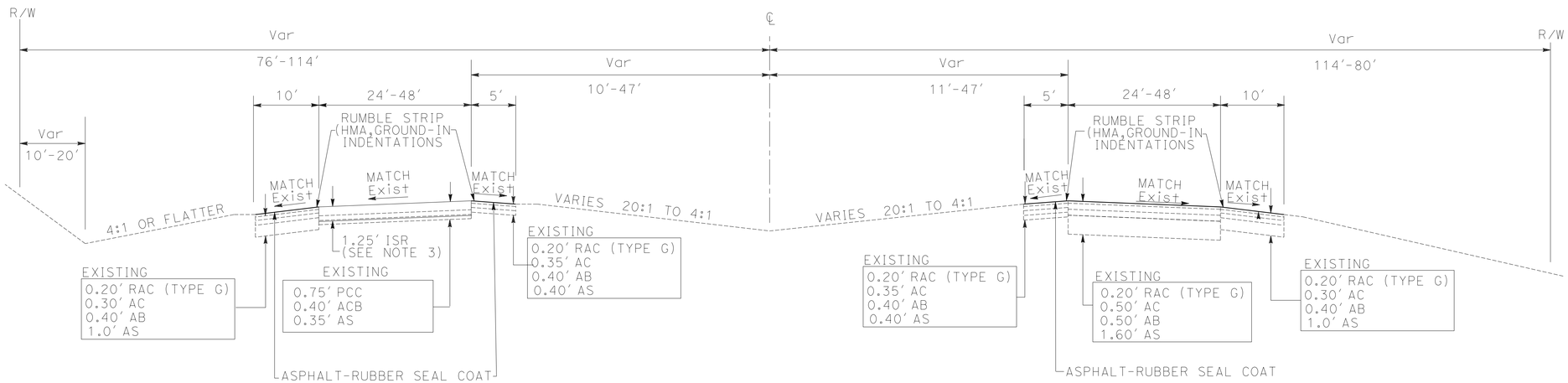
ISR = INDIVIDUAL SLAB REPLACEMENT (RSC)
RAC = RUBBERIZED ASPHALT CONCRETE
RSC = RAPID STRENGHT CONCRETE

PAVEMENT CLIMATE REGION:

DESERT

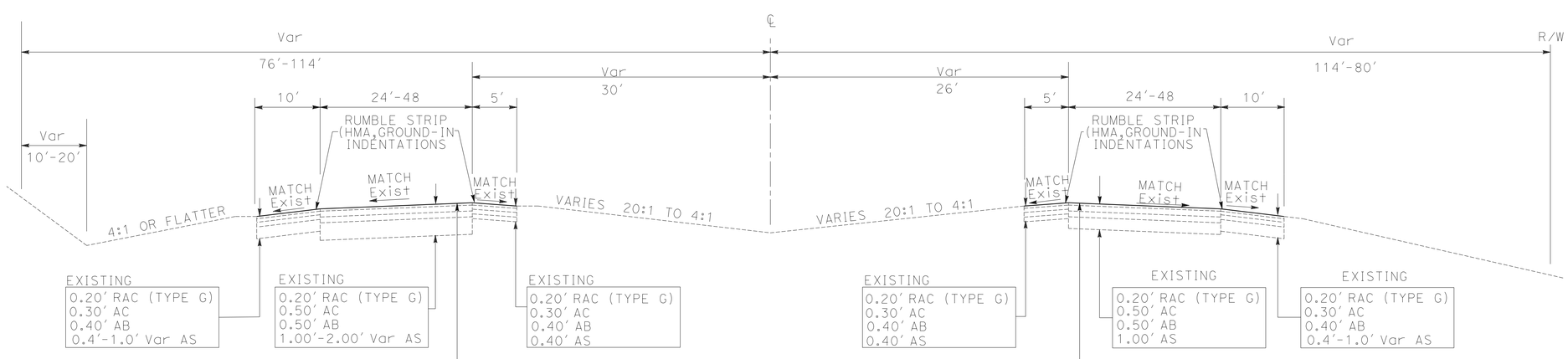
DESIGN DESIGNATION

POSTMILE FROM	POSTMILE TO	LOCATIONS	YEAR 2012 ADT	YEAR 2025 ADT	DHV	D%
43.10	53.90	NB Jct 78 WEST TO AIR PARK Dr	4,600	5,600		
43.10	53.90	SB Jct 78 WEST TO AIR PARK Dr	5,000	6,100	720	51%
53.90	67.80	NB AIR PARK Dr TO RIVERSIDE BORDER	6,090	7,400		
53.90	67.80	SB AIR PARK Dr TO RIVERSIDE BORDER	6,110	7,500	1,000	55%



SOUTHBOUND
PM 56.94-67.82

NORTHBOUND
PM 56.94-67.82



SOUTHBOUND
PM 43.10 - 56.94

NORTHBOUND
PM 43.10-56.94

ROUTE 86

TYPICAL CROSS SECTIONS

NO SCALE

X-1

REVISED BY | DATE REVISED
EYERUSALEM TADESSE | MIGUEL H. VASQUEZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 | TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	3	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

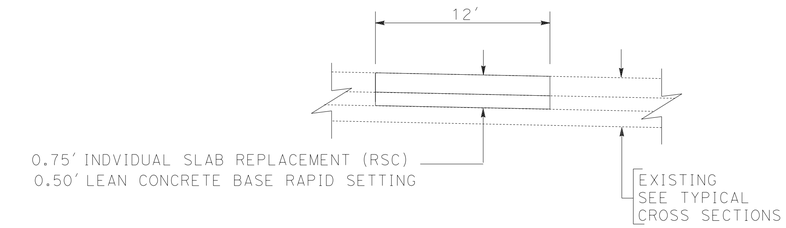
03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

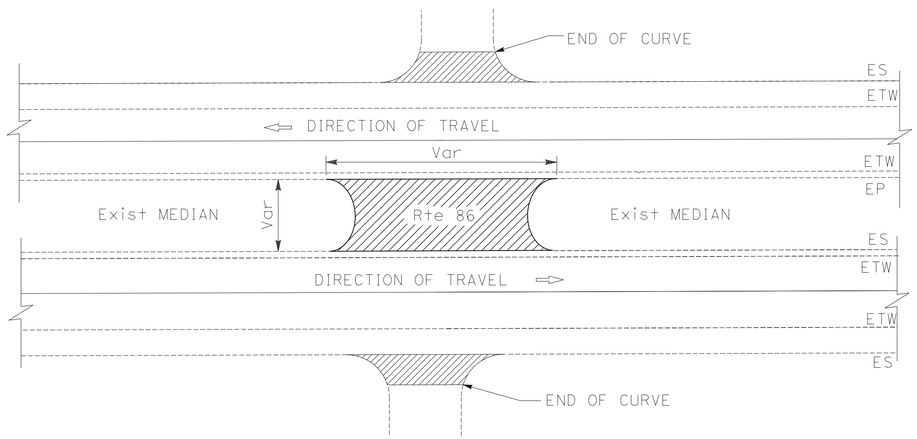
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

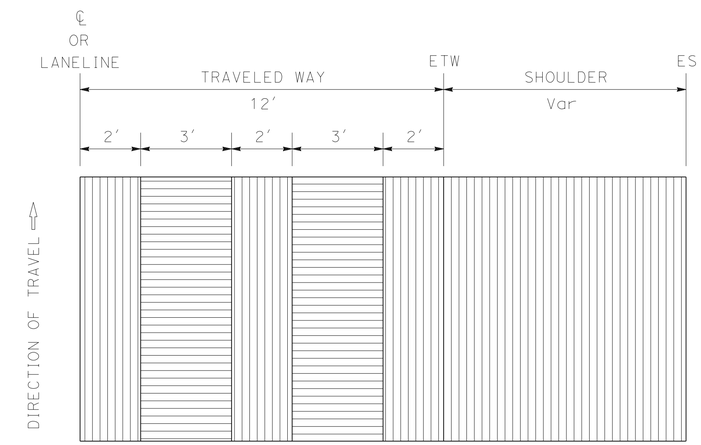
1. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THIS SECTION OF THE PLANS.
2. FOR DETAILS NOT SHOWN SEE REVISED STANDARD PLAN P8.
3. SEE SUMMARY OF QUANTITIES FOR LOCATIONS OF INDIVIDUAL SLAB REPLACEMENT RSC.
4. NO TIE BARS AT LONGITUDINAL JOINTS.
5. NO RUMBLE STRIP AT INTERSECTIONS OR TURN POCKETS.



REPLACE CONCRETE PAVEMENT TYPICAL DETAIL



TYPICAL PAVING AREA AT INTERSECTIONS



PLAN VIEW

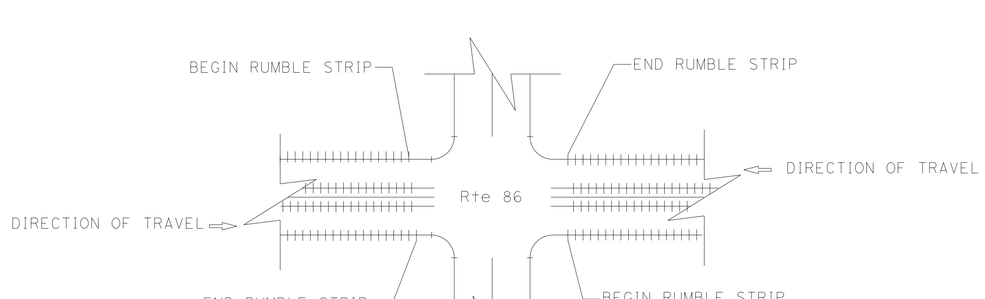
ASPHALT-RUBBER BINDER VARIABLE APPLICATION RATE

LEGEND:

- ASPHALT-RUBBER SEAL COAT
- ASPHALT-RUBBER BINDER (WHEEL PATH) 0.55 GALLONS PER SQUARE YARD APPLICATION RATE
- ASPHALT-RUBBER BINDER (NON-WHEEL PATH) 0.60 GALLONS PER SQUARE YARD APPLICATION RATE

ABBREVIATIONS:

RSC- RAPID STRENGHT CONCRETE



TYPICAL RUMBLE STRIP PLACEMENT

CONSTRUCTION DETAILS

C-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE ENGINEERING
Caltrans

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	4	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

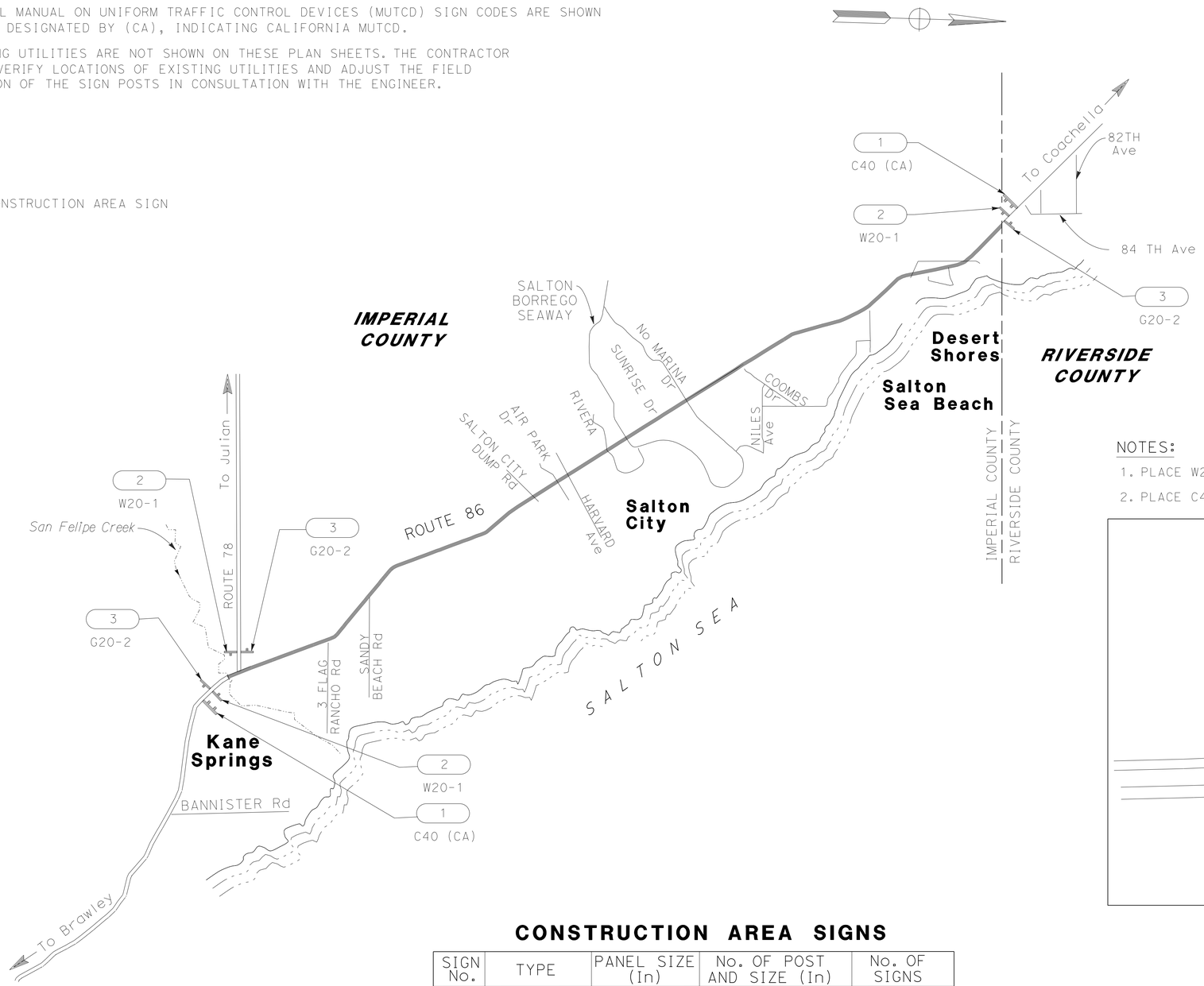
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. EXACT LOCATION OF CONSTRUCTION AREA SIGNS WILL BE DETERMINED BY THE ENGINEER.
2. FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SIGN CODES ARE SHOWN UNLESS DESIGNATED BY (CA), INDICATING CALIFORNIA MUTCD.
3. EXISTING UTILITIES ARE NOT SHOWN ON THESE PLAN SHEETS. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AND ADJUST THE FIELD LOCATION OF THE SIGN POSTS IN CONSULTATION WITH THE ENGINEER.

LEGEND:

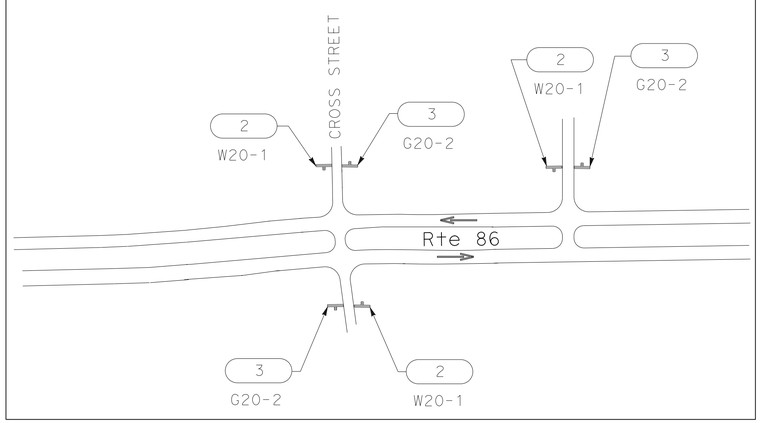
(X) = CONSTRUCTION AREA SIGN



NOTES:

1. PLACE W20-1's AND G20-2's ON DESIGNATED CROSS STREETS.
2. PLACE C40(CA), W20-1, AND G20-2 SIGNS ON ROUTE 86 AS SHOWN.

TYPICAL- PLACEMENT OF W20-1 AND G20-2 CONSTRUCTION AREA SIGNS FOR CROSS STREETS



CONSTRUCTION AREA SIGNS

SIGN No.	TYPE	PANEL SIZE (In)	No. OF POST AND SIZE (In)	No. OF SIGNS
1	C40 (CA)	108 X 42	2-4 X 6 (S)	2
2	W20-1	48 X 48	1-4 X 6 (S)	49
3	G20-2	48 X 24	1-4 X 4 (S)	49

(S) DENOTES STATIONARY MOUNTED SIGN

CONSTRUCTION AREA SIGNS

CS-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE ENGINEERING
Caltrans

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	5	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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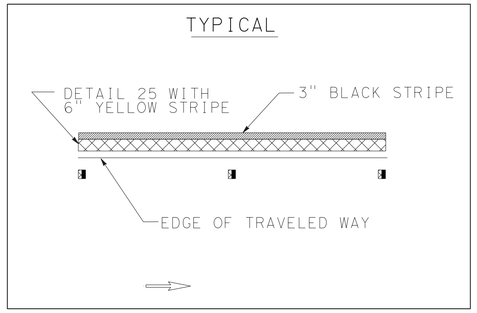
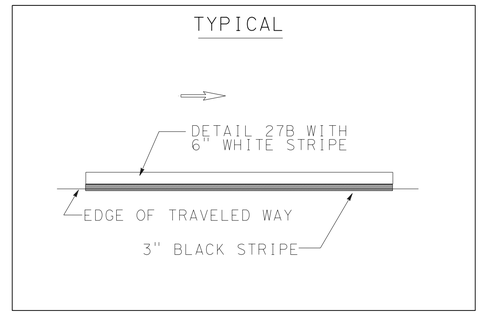
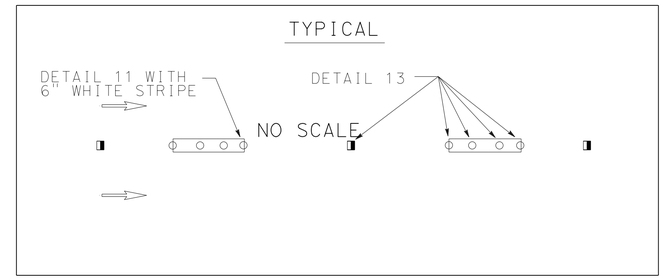
DETAIL 25 Mod 2



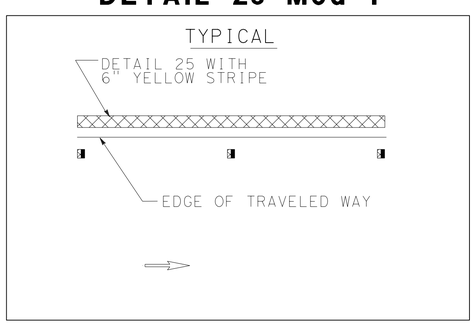
DETAIL 27B Mod 2



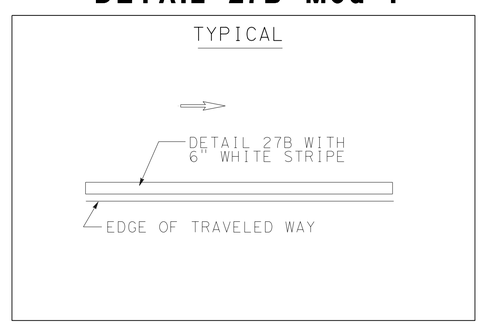
DETAIL 11/13 Mod



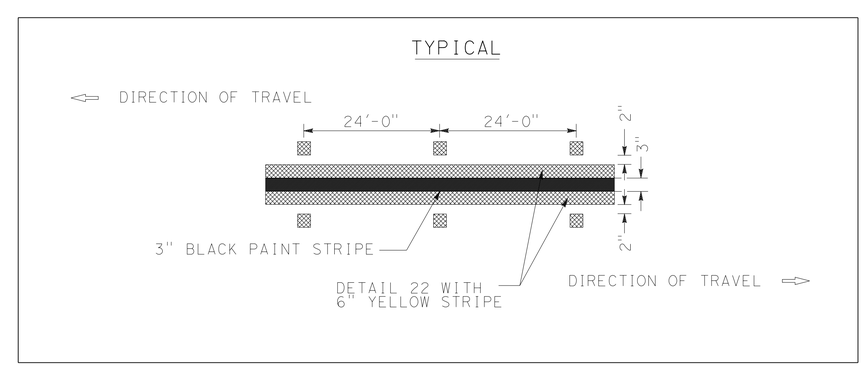
DETAIL 25 Mod 1



DETAIL 27B Mod 1



DETAIL 22 Mod



PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: MIGUEL H. VASQUEZ
CHECKED BY:
REVISED BY:
DATE REVISED:
EYERUSALEM TADESSE

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	6	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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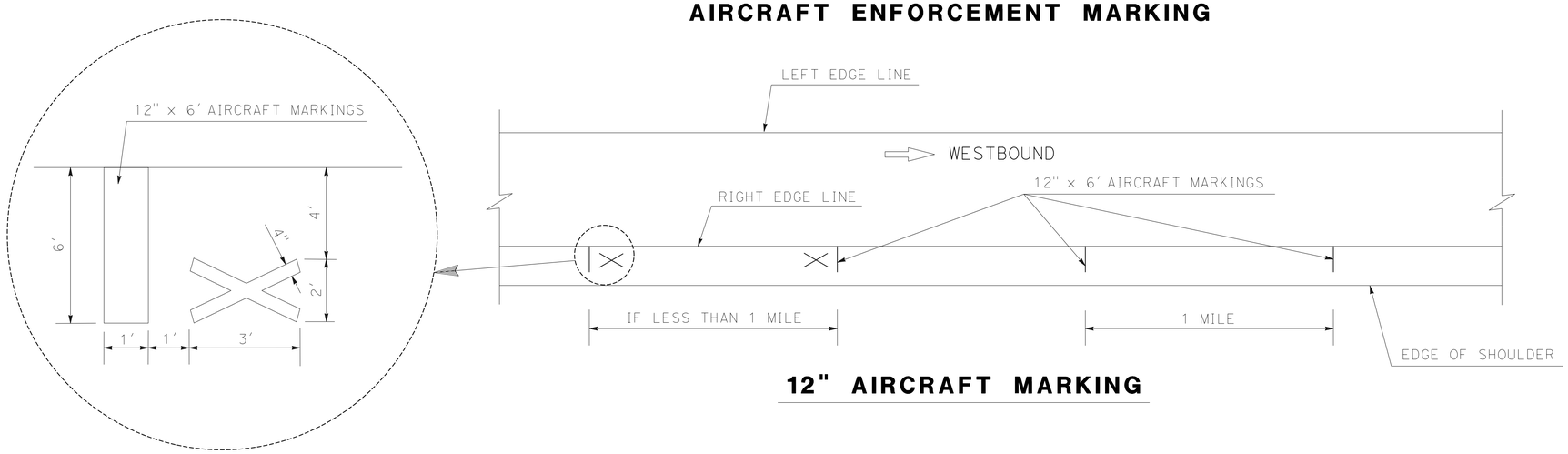
AIRCRAFT ENFORCEMENT MARKING

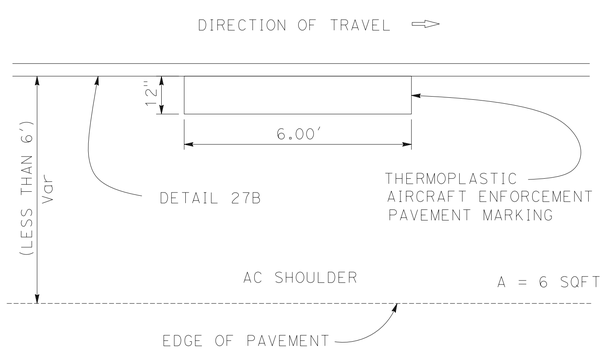


12" AIRCRAFT MARKING

AIRCRAFT ENFORCEMENT MARKING

TYPE 2

(FOR NARROW Shld APPLICATIONS)



PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-2

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
EYERUSALEM TADESSE	MIGUEL H. VASQUEZ

FUNCTIONAL SUPERVISOR: ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE ENGINEERING

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	7	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE FROM	POSTMILE TO	DETAIL	NON-REFLECTIVE (EA) TYPE A WHITE	RETROREFLECTIVE (EA) TYPE D	RETROREFLECTIVE (EA) TYPE G CLEAR	RETROREFLECTIVE (EA) TYPE H YELLOW	PAINT (1 COAT) 3" -BLACK (LF)	PAINT TRAFFIC STRIPE (2-COAT) 6" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT) 8" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT) 6" BROKEN (LF)	
86	NB	43.10	43.20	11/13Mod	44		12					528	
				22 Mod		13			74	148			INTERSECTION
				25 Mod1				12		528			
				27B Mod1						528			
				38			9				190		
		43.20	43.30	11/13Mod	44		12					528	
				25 Mod1				12		528			
				27B Mod1						528			
		43.30	43.41	11/13Mod	48		13					581	
				25 Mod2				13	581	581			SAN FELIPE CR
				27B Mod2					581	581			
		43.41	43.57	11/13Mod	70		19					845	
				22 Mod		19			105	210			
				25 Mod1				19		845			
				27B Mod1						845			
				38			17				390		
		43.57	44.10	11/13Mod	233		59					2,798	
				22 Mod		19			110	220			INTERSECTION
				25 Mod1				59		2,798			
				27B Mod1						2,798			
				38			9				187		
		44.10	44.78	11/13Mod	299		76					3,590	
				25 Mod1				76		3,590			
				27B Mod1						3,590			
		44.78	44.79	11/13Mod	4		2					53	
				25 Mod2				2	53	53			BARLEY DITCH
				27B Mod2					53	53			
		44.79	45.68	11/13Mod	392		99					4,699	
				25 Mod1				99		4,699			
				27B Mod1						4,699			
		45.68	45.69	11/13Mod	4		2					53	
				25 Mod2				2	53	53			S SAND DUNE WA
				27B Mod2					53	53			
		45.69	46.22	11/13Mod	233		59					2,798	
				22 Mod		19			108	216			
				25 Mod1				59		2,798			
				27B Mod1						2,798			
				38			10				216		
		46.22	47.62	11/13Mod	616		155					7,392	
				22 Mod		19			103	206			INTERSECTION
				25 Mod1				155		7,392			
				27B Mod1						7,392			
				38			9				183		
		47.62	50.19	11/13Mod	1,131		284					13,570	
				25 Mod1				284		13,570			
				27B Mod1						13,570			
				38			10				217		
				SUBTOTAL PDQ-1	3,118		1,737		1,874	75,870	1,383	37,435	

PAVEMENT DELINEATION QUANTITIES

PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	8	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE		DETAIL	NON-REFLECTIVE (EA)	RETROREFLECTIVE (EA)			PAINT (1 COAT)	PAINT TRAFFIC STRIPE (2-COAT)			
		FROM	TO		TYPE A	TYPE D	TYPE G	TYPE H	3" -BLACK	6" SOLID	8" SOLID	6" BROKEN	
					WHITE		CLEAR	YELLOW	(LF)	(LF)	(LF)	(LF)	
86	NB	50.19	50.84	11/13Mod	286		73					3,432	
				22 Mod		19			108	216			
				25 Mod1				73		3,432			
				27B Mod1						3,432			
		50.84	50.85	11/13Mod	4		2					53	
				25 Mod2				2	53	53			LUPIN WASH BR
				27B Mod2					53	53			
		50.85	51.32	11/13Mod	207		53					2,482	
				22 Mod		19			108	216			INTERSECTION
				25 Mod1				53		2482			
				27B Mod1						2482			
				38			23				520		
		51.32	51.87	11/13Mod	242		61					2,904	
				25 Mod1				61		2,904			
				27B Mod1						2,904			
		51.87	51.88	11/13Mod	4		2					53	
				25 Mod2				2	53	53			
				27B Mod2					53	53			
		51.88	52.62	11/13Mod	326		82					3,907	
				22 Mod		13			76	152			INTERSECTION
				25 Mod1				82		3,907			
				27B Mod1						3,907			
				38			22				500		
		52.62	53.07	11/13Mod	198		51					2,376	
				25 Mod1				51		2,376			
				27BMod 1						2,376			
		53.07	53.10	11/13Mod	13		4					158	
				25 Mod2				4	158	158			
				27B Mod2					158	158			
		53.10	53.15	11/13Mod	22		6					264	
				22 Mod		13			73	146			INTERSECTION
				25 Mod1				6		264			
				27B Mod1						264			
				38			7				144		
		53.15	53.90	11/13Mod	330		84					3,960	
				22 Mod		19			106	212			INTERSECTION
				25 Mod1				84		3,960			
				27B Mod1						3,960			
				38A							27		
				38			44				1,037		
		53.90	53.99	11/13Mod	40		11					475	
				25 Mod1				11		475			
				27B Mod1						475			
		53.99	54.00	11/13Mod	4		2					53	
				25 Mod2				2	53	53			
				27B Mod2					53	53			
SUBTOTAL PDQ-2					1,676	1,041			1,105	41,176	2,228	20,117	

PAVEMENT DELINEATION QUANTITIES

PDQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	9	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 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.

PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE FROM	POSTMILE TO	DETAIL	NON-REFLECTIVE (EA) TYPE A WHITE	RETROREFLECTIVE (EA) TYPE D	RETROREFLECTIVE (EA) TYPE G CLEAR	RETROREFLECTIVE (EA) TYPE H YELLOW	PAINT (1 COAT) 3" -BLACK (LF)	PAINT TRAFFIC STRIPE (2-COAT) 6" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT) 8" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT) 6" BROKEN (LF)	
86	NB	54.00	54.13	11/13Mod	57		15					686	
				22 Mod		13			76	152			INTERSECTION
				25 Mod1				15		686			
				27B Mod1						686			
				38			17				392		
		54.13	54.70	11/13Mod	251		64					3,010	
				25 Mod1				64		3,010			
				27B Mod1						3,010			
		54.70	54.73	11/13Mod	13		4					158	
				25 Mod2				4	158	158			ARROYO SALADA
				27B Mod2					158	158			
		54.73	55.25	11/13Mod	229		58					2,746	
				22 Mod		19			104	208			INTERSECTION
				25 Mod1				58		2,746			
				27B Mod1						2,746			
				38A							40		
				38			47				1,110		
		55.25	55.50	11/13Mod	110		29					1,320	
				25 Mod1				29		1,320			
				27B Mod1						1,320			
		55.50	55.51	11/13Mod	4		2					53	
				25 Mod2				2	53	53			ZENAS DITCH
				27B Mod2					53	53			
		55.51	56.12	11/13Mod	268		68					3,221	
				22 Mod		19			105	210			INTERSECTION
				25 Mod1				68		3,221			
				27B Mod1						3,221			
				38A							38		
				38			44				1,022		
		56.12	56.35	11/13Mod	101		26					1,214	
				25 Mod1				26		1,214			
				27B Mod1						1,214			
		56.35	56.36	11/13Mod	4		2					53	
				25 Mod2				2	53	53			BILOXI DITCH
				27B Mod2					53	53			
		56.36	56.59	11/13Mod	101		26					1,214	
				25 Mod1				26		1,214			
				27B Mod1						1,214			
		56.59	56.60	11/13Mod	4		2					53	
				25 Mod2				2	53	53			IBERIA DITCH
				27B Mod2					53	53			
		56.60	56.94	11/13Mod	150		38					1,795	
				22 Mod		19			104	208			INTERSECTION
				25 Mod1				38		1,795			
				27B Mod1						1,795			
				38A							39		
				38			40				938		
SUBTOTAL PDQ-3					1,292	886			1,023	31,824	3,579	15,523	

REVISED BY | DATE REVISED

EYERUSALEM TADESSE | MIGUEL H. VASQUEZ

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® MAINTENANCE

PAVEMENT DELINEATION QUANTITIES

PDQ-3

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 | TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	10	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 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.

PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE		DETAIL	NON-REFLECTIVE (EA)	RETROREFLECTIVE (EA)			PAINT (1 COAT)	PAINT TRAFFIC STRIPE (2-COAT)			
		FROM	TO		TYPE A	TYPE D	TYPE G	TYPE H	3" -BLACK	6" SOLID	8" SOLID	6" BROKEN	
					WHITE		CLEAR	YELLOW	(LF)	(LF)	(LF)	(LF)	
86	NB	56.94	57.33	11/13Mod	172		44					2,059	
				25 Mod1				44		2,059			
				27B Mod1						2,059			
		57.33	57.34	11/13Mod	4		2					53	
				25 Mod2				2	53	53			AMEROSA DITCH
				27B Mod2					53	53			
		57.34	57.68	11/13Mod	150		38					1,795	
				25 Mod1				38		1,795			
				27B Mod1						1,795			
		57.68	57.69	11/13Mod	4		2					53	
				25 Mod2				2	53	53			VERDE DITCH
				27B Mod2					53	53			
		57.69	57.81	11/13Mod	53		14					634	
				25 Mod1				14		634			
				27B Mod1						634			
		57.81	57.82	11/13Mod	4		2					53	
				25 Mod2				2	53	53			ANZA DITCH
				27B Mod2					53	53			
		57.82	58.03	11/13Mod	92		24					1,109	
				22 Mod		19			104	208			INTERSECTION
				25 Mod1				24		1,109			
				27B Mod1						1,109			
				38A							36		
				38			42				980		
		58.03	58.24	11/13Mod	92		24					1,109	
				25 Mod1				24		1,109			
				27B Mod1						1,109			
		58.24	58.28	11/13Mod	18		5					211	
				25 Mod2				5	211	211			PALM WASH
				27B Mod2					211	211			
		58.28	58.40	11/13Mod	53		14					634	
				22 Mod		13			74	148			
				25 Mod1				14		634			
				27B Mod1						634			
				38A							26		
				38			13				290		
		58.40	59.18	11/13Mod	343		87					4,118	
				25 Mod1				87		4,118			
				27B Mod1						4,118			
		59.18	59.19	11/13Mod	4		2					53	
				25 Mod2				2	53	53			CORAL WASH
				27B Mod2					53	53			
		59.19	59.72	11/13Mod	233		59					2,798	
				25 Mod1				59		2,798			
				27B Mod1						2,798			
				38			17				386		
SUBTOTAL PDQ-4					1,222		738		1,024	29,714	1,718	14,679	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

PAVEMENT DELINEATION QUANTITIES
PDQ-4

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	11	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE FROM	POSTMILE TO	DETAIL	NON-REFLECTIVE (EA)	RETROREFLECTIVE (EA)			PAINT (1 COAT)	PAINT TRAFFIC STRIPE (2-COAT)			
					TYPE A	TYPE D	TYPE G	TYPE H	3" -BLACK	6" SOLID	8" SOLID	6" BROKEN	
					WHITE		CLEAR	YELLOW	(LF)	(LF)	(LF)	(LF)	
86	NB	59.72	59.77	11/13Mod	22		7					264	
				25 Mod1				7		264			
				27B Mod1						264			
		59.77	59.78	11/13Mod	4		2					53	
				25 Mod2				2	53	53			GRAVEL WASH
				27B Mod2					53	53			
		59.78	60.03	11/13Mod	110		29					1,320	
				22 Mod		15			78	156			INTERSECTION
				25 Mod1				29		1,320			
				27B Mod1						1,320			
				38A							36		
				38			43				1,005		
		60.03	60.14	11/13Mod	48		13					581	
				25 Mod1				13		581			
				27B Mod1						581			
		60.14	60.15	11/13Mod	4		2					53	
				25 Mod2				2	53	53			BERSA DITCH
				27B Mod2					53	53			
		60.15	60.47	11/13Mod	141		36					1,690	
				25 Mod1				36		1,690			
				27B Mod1						1,690			
		60.47	60.48	11/13Mod	4		2					53	
				25 Mod2				2	53	53			TESLA WASH
				27B Mod2					53	53			
		60.48	60.57	11/13Mod	40		11					475	
				25 Mod1				11		475			
				27B Mod1						475			
		60.57	60.58	11/13Mod	4		2					53	
				25 Mod2				2	53	53			
				27B Mod2					53	53			
		60.58	60.90	11/13Mod	141		36					1,690	
				25 Mod1				36		1,690			
				27B Mod1						1,690			
		60.90	60.91	11/13Mod	4		2					53	
				25 Mod2				2	53	53			VERGO WASH
				27B Mod2					53	53			
		60.91	61.08	11/13Mod	75		20					898	
				22 Mod		19			108	216			INTERSECTION
				25 Mod1				20		898			
				27B Mod1						898			
				38A							36		
				38			21				470		
		61.08	61.22	11/13Mod	62		16					739	
				25 Mod1				16		739			CORAL WASH
				27B Mod1						739			
		61.23	61.36	11/13Mod	57		15					686	
				25 Mod1				15		686			
				27B Mod1						686			
				SUBTOTAL PDQ-5	716		484		716	17,588	1,547	8,608	

PAVEMENT DELINEATION QUANTITIES

PDQ-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	12	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE FROM	POSTMILE TO	DETAIL	NON-REFLECTIVE (EA) TYPE A WHITE	RETROREFLECTIVE (EA) TYPE D	RETROREFLECTIVE (EA) TYPE G CLEAR	RETROREFLECTIVE (EA) TYPE H YELLOW	PAINT (1 COAT) 3" -BLACK (LF)	PAINT TRAFFIC STRIPE (2-COAT)T 6" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT)T 8" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT)T 6" BROKEN (LF)	
86	NB	61.36	61.37	11/13Mod	4		2					53	
				25 Mod2				2	53	53			VERBENA DITCH
				27B Mod2					53	53			
		61.37	61.54	11/13Mod	75		20					898	
				25 Mod1				20		898			
				27B Mod1						898			
		61.54	61.55	11/13Mod	4		2					53	
				25 Mod2				2	53	53			IBYCUS DITCH
				27B Mod2					53	53			
		61.55	61.69	11/13Mod	62		16					739	
				25 Mod1				16		739			
				27B Mod1						739			
		61.69	61.70	11/13Mod	4		2					53	
				25 Mod2				2	53	53			ELECTRA DITCH
				27B Mod2					53	53			
		61.70	61.80	11/13Mod	44		12					528	
				25 Mod1				12		528			
				27B Mod1						528			
		61.80	61.81	11/13Mod	4		2					53	
				25 Mod2				2	53	53			TALOFA DITCH
				27B Mod2					53	53			
		61.81	62.20	11/13Mod	172		44					2,059	
				25 Mod1				44		2,059			
				27B Mod1						2,059			
		62.20	62.21	11/13Mod	4		2					53	
				25 Mod2				2	53	53			TONALEE DITCH
				27B Mod2					53	53			
		62.21	62.31	11/13Mod	44		12					528	
				25 Mod1				12		528			
				27B Mod1						528			
		62.31	62.32	11/13Mod	4		2					53	
				25 Mod2				2	53	53			DAROCA DITCH
				27B Mod2					53	53			
		62.32	62.37	11/13Mod	22		6					264	
				22 Mod		19			108	216			INTERSECTION
				25 Mod1				6		264			
				27B Mod1						264			
				38			27				615		
		62.37	62.55	11/13Mod	79		21					950	
				22 Mod		15			78	156			INTERSECTION
				25 Mod1				21		950			
				27B Mod1						950			
				38			35				825		
		62.55	62.64	11/13Mod	40		11					475	
				25 Mod1				11		475			
				27B Mod1						475			
		62.64	62.65	11/13Mod	4		2					53	
				25 Mod2				2	53	53			
				27B Mod2					53	53			
				SUBTOTAL PDQ-6	566		408		928	13,996	1,440	6,812	

PAVEMENT DELINEATION QUANTITIES

PDQ-6

REVISED BY | DATE REVISED

EYERUSALEM TADESSE | MIGUEL H. VASQUEZ

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR | ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 | TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	13	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION				PAVEMENT MARKER SUMMARY					TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE		DETAIL	NON-REFLECTIVE (EA)	RETROREFLECTIVE (EA)			PAINT (1 COAT)	PAINT TRAFFIC STRIPE (2-COAT)			
		FROM	TO		TYPE A	TYPE D	TYPE G	TYPE H	3" -BLACK	6" SOLID	8" SOLID	6" BROKEN	
					WHITE		CLEAR	YELLOW	(LF)	(LF)	(LF)	(LF)	
86	NB	62.65	62.98	11/13Mod	145		37					1742	
				25 Mod1				37		1742			
				27B Mod1						1742			
		62.98	62.99	11/13Mod	4		2					53	
				25 Mod2				2	53	53			TORTIF DITCH
				27B Mod2					53	53			
		62.99	63.04	11/13Mod	22		7					264	
				22 Mod		19			108	216			INTERSECTION
				25 Mod1				7		264			
				27B Mod1						264			
				38			11				238		
		63.04	63.13	11/13Mod	40		11					475	
				25 Mod1				11		475			
				27B Mod1						475			
		63.13	63.14	11/13Mod	4		2					53	
				25 Mod2				2	53	53			FOLIUS DITCH
				27B Mod2					53	53			
		63.14	63.21	11/13Mod	31		9					370	
				25 Mod1				9		370			
				27B Mod1						370			
		63.21	63.22	11/13Mod	4		2					53	
				25 Mod2				2	53	53			FLORIS DITCH
				27B Mod2					53	53			
		63.22	63.34	11/13Mod	53		14					634	
				25 Mod1				14		634			
				27B Mod1						634			
		63.34	63.35	11/13Mod	4		2					53	
				25 Mod2				2	53	53			INCIENSO DITCH
				27B Mod2					53	53			
		63.35	63.49	11/13Mod	62		16					739	
				25 Mod1				16		739			
				27B Mod1						739			
		63.49	63.50	11/13Mod	4		2					53	
				25 Mod2				2	53	53			ENCILIA DITCH
				27B Mod2					53	53			
		63.50	63.61	11/13Mod	48		13					581	
				22 Mod		19			108	216			INTERSECTION
				25 Mod1				13		581			
				27B Mod1						581			
				38A							42		
				38			44				1,029		
		63.61	63.78	11/13Mod	75		20					898	
				25 Mod1				20		898			
				27B Mod1						898			
		63.78	63.79	11/13Mod	4		2					53	
				25 Mod2				2	53	53			FARINOSA DITCH
				27B Mod2					53	53			
				SUBTOTAL PDQ-7	500	371			852	12,474	1,309	6,021	

REVISED BY | DATE REVISED

EYERUSALEM TADESSE | MIGUEL H. VASQUEZ

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR | ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® MAINTENANCE

PAVEMENT DELINEATION QUANTITIES

PDQ-7

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 | TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	14	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION				PAVEMENT MARKER SUMMARY					TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE FROM	POSTMILE TO	DETAIL	NON-REFLECTIVE (EA) TYPE A WHITE	RETROREFLECTIVE (EA) TYPE D	RETROREFLECTIVE (EA) TYPE G CLEAR	RETROREFLECTIVE (EA) TYPE H YELLOW	PAINT (1 COAT) 3" -BLACK (LF)	PAINT TRAFFIC STRIPE (2-COAT) 6" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT) 8" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT) 6" BROKEN (LF)	
86	NB	63.79	64.10	11/13Mod	136		35					1,637	
				25 Mod1				35		1,637			
				27B Mod1						1,637			
		64.10	64.11	11/13Mod	4		2					53	
				25 Mod2				2	53	53			GODETIA DITCH
				27B Mod2					53	53			
		64.11	64.22	11/13Mod	48		13					581	
				22 Mod		19			106	212			INTERSECTION
				25 Mod1				13		581			
				27B Mod1						581			
				38			19				431		
		64.22	64.33	11/13Mod	48		13					581	
				25 Mod1				13		581			
				27B Mod1						581			
		64.33	64.34	11/13Mod	4		2					53	
				25 Mod2				2	53	53			CALYX DITCH
				27B Mod2					53	53			
		64.34	64.43	11/13Mod	40		11					475	
				22 Mod		19			108	216			INTERSECTION
				25 Mod1				11		475			
				27B Mod1						475			
				38			16				360		
		64.43	64.62	11/13Mod	84		22					1003	
				25 Mod1				22		1003			
				27B Mod1						1003			
		64.62	64.63	11/13Mod	4		2					53	
				25 Mod2				2	53	53			MATIS DITCH
				27B Mod2					53	53			
		64.63	64.75	11/13Mod	53		14					634	
				25 Mod1				14		634			
				27B Mod1						634			
		64.75	64.76	11/13Mod	4		2						
				25 Mod2				2	53	53		53	
				27B Mod2					53	53			AMBIG DITCH
		64.76	64.83	11/13Mod	31		9						
				25 Mod1				9		370		370	
				27B Mod1						370			
		64.83	64.84	11/13Mod	4		2					53	
				25 Mod2				2	53	53			ROMNEY DITCH
				27B Mod2					53	53			
		64.84	64.99	11/13Mod	66							792	
				25 Mod1			17			792			
				27B Mod1				17		792			
		64.99	65.01	11/13Mod	9		3					106	
				25 Mod2				3	106	106			PAROSA DITCH
				27B Mod2					106	106			
				SUBTOTAL PDQ-8	535	367			956	13,316	791	6,444	

PAVEMENT DELINEATION QUANTITIES

PDQ-8

REVISED BY | DATE REVISED

EYERUSALEM TADESSE | MIGUEL H. VASQUEZ

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR | ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® MAINTENANCE

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	15	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION				PAVEMENT MARKER SUMMARY					TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE FROM	POSTMILE TO	DETAIL	NON-REFLECTIVE (EA) TYPE A WHITE	RETROREFLECTIVE (EA) TYPE D	RETROREFLECTIVE (EA) TYPE G CLEAR	RETROREFLECTIVE (EA) TYPE H YELLOW	PAINT (1 COAT) 3" -BLACK (LF)	PAINT TRAFFIC STRIPE (2-COAT) 6" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT) 8" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT) 6" BROKEN (LF)	
86	NB	65.01	65.07	11/13Mod	26		8					317	
				22 Mod2		19			102	204			INTERSECTION
				25 Mod1				8		317			
				27B Mod1						317			
				38			9				201		
		65.07	65.22	11/13Mod	66		18					792	
				25 Mod1				18		792			
				27B Mod1						792			
		65.22	65.23	11/13Mod	4		2					53	
				25 Mod2				2	53	53			ZANTHE DITCH
				27B Mod2					53	53			
		65.23	65.35	11/13Mod	53		14					634	
				25 Mod1				14		634			
				27B Mod1						634			
		65.35	65.36	11/13Mod	4		2					53	
				25 Mod2				2	53	53			COOLIDGE DITCH
				27B Mod2					53	53			
		65.36	65.68	11/13Mod	141		36					1,690	
				25 Mod1				36		1,690			
				27B Mod1						1,690			
		65.68	65.69	11/13Mod	4		2					53	
				25 Mod2				2	53	53			SHORELINE DITCH
				27B Mod2					53	53			
		65.69	65.90	11/13Mod	92		24					1,109	
				22 Mod2		19			102	204			INTERSECTION
				25 Mod1				24		1,109			
				27B Mod1						1,109			
				38A							22		
				38			42				994		
		65.90	66.13	11/13Mod	101		26					1,214	
				22 Mod2		19			107	214			INTERSECTION
				25 Mod1				26		1,214			
				27B Mod1						1,214			
				38A							22		
				38			45				1,044		
		66.13	66.97	11/13Mod	370		93					4,435	
				22 Mod2		19			106	212			INTERSECTION
				25 Mod1				93		4,435			
				27B Mod1						4,435			
				38			20				435		
		66.97	67.82	11/13Mod	374		94					4,488	
				25 Mod1				94		4,488			
				27B Mod1						4,488			
				38			20				460		
				SUBTOTAL PDQ-9	1,235		850		735	30,510	3,178	14,838	

PAVEMENT DELINEATION QUANTITIES

PDQ-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY / CHECKED BY
EYERUSALEM TADESSE / MIGUEL H. VASQUEZ
REVISED BY / DATE REVISED

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 | TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	16	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION				PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE FROM TO	DETAIL	NON-REFLECTIVE (EA)	RETROREFLECTIVE (EA)			PAINT (1 COAT)	PAINT TRAFFIC STRIPE (2-COAT)			
				TYPE A	TYPE D	TYPE G	TYPE H	3" -BLACK	6" SOLID	8" SOLID	6" BROKEN	
				WHITE		CLEAR	YELLOW	(LF)	(LF)	(LF)	(LF)	
86	NB		SUBTOTAL PDQ-1	3,118	89	856	792	1,874	75,870	1,383	37,435	
			SUBTOTAL PDQ-2	1,676	83	527	431	1,105	41,176	2,228	20,117	
			SUBTOTAL PDQ-3	1,292	70	482	334	1,023	31,824	3,579	15,523	
			SUBTOTAL PDQ-4	1,222	32	389	317	1,024	29,714	1,718	14,679	
			SUBTOTAL PDQ-5	716	34	257	193	716	17,588	1,547	8,608	
			SUBTOTAL PDQ-6	566	34	218	156	928	13,996	1,440	6,812	
			SUBTOTAL PDQ-7	500	38	194	139	852	12,474	1,309	6,021	
			SUBTOTAL PDQ-8	535	38	182	147	956	13,316	791	6,444	
			SUBTOTAL PDQ-9	1,235	76	455	319	735	30,510	3,178	14,838	
			*TOTAL	10,860	6,882			9,213	266,468	17,173	130,477	

* NB TOTAL. SEE PDQ-19 FOR SB TOTAL.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
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DATE REVISED

PAVEMENT DELINEATION QUANTITIES

PDQ-10

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	17	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE		DETAIL	NON-REFLECTIVE (EA)	RETROREFLECTIVE (EA)			PAINT (1 COAT)	PAINT TRAFFIC STRIPE (2-COAT)			
		FROM	TO		TYPE A	TYPE D	TYPE G	TYPE H	3" -BLACK	6" SOLID	8" SOLID	6" BROKEN	
					WHITE		CLEAR	YELLOW	(LF)	(LF)	(LF)	(LF)	
86	SB	43.10	43.20	11/13Mod	44		12					528	
				25 Mod1				12		528			
				27B Mod1						528			
		43.20	43.30	11/13Mod	44		12					528	
				25 Mod1				12		528			
				27B Mod1						528			
		43.30	43.41	11/13Mod	48		13					581	
				25 Mod2				13	581	581			SAN FELIPE Cr
				27B Mod2					581	581			
		43.41	43.57	11/13Mod	70		19					845	
				25 Mod1				19		845			
				27B Mod1						845			
		43.57	44.10	11/13Mod	233		59					2,798	
				25 Mod1				59		2,798			
				27B Mod1						2,798			
				38A							61		
				38			41				969		
		44.10	44.78	11/13Mod	299		76					3,590	
				25 Mod1				76		3,590			
				27B Mod1						3,590			
				38			8				157		
		44.78	44.79	11/13Mod	4		2					53	
				25 Mod2				2	53	53			BARLEY DITCH
				27B Mod2					53	53			
		44.79	45.68	11/13Mod	392		99					4,699	
				25 Mod1				99		4,699			
				27B Mod1						4,699			
		45.68	45.69	11/13Mod	4		2					53	
				25 Mod2				2	53	53			S SAND DUNE WA
				27B Mod2					53	53			
		45.69	46.22	11/13Mod	233		59					2,798	
				25 Mod1				59		2,798			
				27B Mod1						2,798			
		46.22	46.62	11/13Mod	616		155					7,392	
				25 Mod1				155		7,392			
				27B Mod1						7,392			
				38			9				202		
		46.62	50.19	11/13Mod	1,131		284					13,570	
				25 Mod1				284		13,570			
				27B Mod1						13,570			
				38			10				218		
		50.19	50.84	11/13Mod	286		73					3,432	
				25 Mod1				73		3,432			
				27B Mod1						3,432			
				38			10				205		
SUBTOTAL PDQ-11					3,404		1,808		1,374	81,734	1,812	40,867	

REVISED BY | DATE REVISED

EYERUSALEM TADESSE | MIGUEL H. VASQUEZ

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR | ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® MAINTENANCE

PAVEMENT DELINEATION QUANTITIES

PDQ-11

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	18	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE		DETAIL	NON-REFLECTIVE (EA)	RETROREFLECTIVE (EA)			PAINT (1 COAT)	PAINT TRAFFIC STRIPE (2-COAT)			
		FROM	TO		TYPE A	TYPE D	TYPE G	TYPE H	3" -BLACK	6" SOLID	8" SOLID	6" BROKEN	
					WHITE		CLEAR	YELLOW	(LF)	(LF)	(LF)	(LF)	
86	SB	50.84	50.85	11/13Mod	4		2					53	
				25 Mod2				2	53	53			LUPIN WASH
				27B Mod2					53	53			
		50.85	51.32	11/13Mod	207		53					2,482	
				25 Mod1				53		2,482			
				27B Mod1						2,482			
		51.32	51.87	11/13Mod	242		61					2,904	
				25 Mod1				61		2,904			
				27B Mod1						2,904			
				38			22				510		
		51.87	51.88	11/13Mod	4		2					53	
				25 Mod2				2	53	53			CAMPBELL WASH
				27B Mod2					53	53			
		51.88	52.62	11/13Mod	326		82					3,907	
				25 Mod1				82		3,907			
				27B Mod1						3,907			
		52.62	53.07	11/13Mod	198		51					2,376	
				25 Mod1				51		2,376			
				27B Mod1						2,376			
				38			22				492		
		53.07	53.10	11/13Mod	13		4					158	
				25 Mod2				4	158	158			TULE WASH
				27B Mod2					158	158			
		53.10	53.15	11/13Mod	22		6					264	
				25 Mod1				6		264			
				27B Mod1						264			
		53.15	53.90	11/13Mod	330		84					3,960	
				25 Mod1				84		3,960			
				27B Mod1						3,960			
				38			21				489		
		53.90	53.99	11/13Mod	40		11					475	
				25 Mod1				11		475			
				27B Mod1						475			
				38A							44		
				38			26				607		
		53.99	54.00	11/13Mod	4		2					53	
				25 Mod2				2	53	53			SURPRISE DITH
				27B Mod2					53	53			
		54.00	54.13	11/13Mod	57		15					686	
				25 Mod1				15		686			
				27B Mod1						686			
		54.13	54.70	11/13Mod	251		64					3010	
				25 Mod1				64		3,010			
				27B Mod1						3,010			
				38			22				502		
				SUBTOTAL PDQ-12	1,698		987		634	40,762	2,644	20,381	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

PAVEMENT DELINEATION QUANTITIES

PDQ-12

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	19	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE FROM	POSTMILE TO	DETAIL	NON-REFLECTIVE (EA) TYPE A WHITE	RETROREFLECTIVE (EA) TYPE D	RETROREFLECTIVE (EA) TYPE G CLEAR	RETROREFLECTIVE (EA) TYPE H YELLOW	PAINT (1 COAT) 3" -BLACK (LF)	PAINT TRAFFIC STRIPE (2-COAT) 6" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT) 8" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT) 6" BROKEN (LF)	
86	SB	54.70	54.73	11/13Mod	13		4					158	
				25 Mod2				4	158	158			ARROYO SALADA
				27B Mod2					158	158			
		54.73	55.25	11/13Mod	229		58					2,746	
				25 Mod1				58		2,746			
				27B Mod1						2,746			
		55.25	55.50	11/13Mod	110		29					1,320	
				25 Mod1				29		1,320			
				27B Mod1						1,320			
				38A							39		
				38							1,039		
		55.50	55.51	11/13Mod	4		2					53	
				25 Mod2				2	53	53			ZENAS DITCH
				27B Mod2					53	53			
		55.51	56.12	11/13Mod	268		68					3,221	
				25 Mod1				68		3,221			
				27B Mod1						3,221			
		56.12	56.35	11/13Mod	101		26					1,214	
				25 Mod1				26		1,214			
				27B Mod1						1,214			
				38A							38		
				38			43				1,008		
		56.35	56.36	11/13Mod	4		2					53	
				25 Mod2				2	53	53			BILOXI DITCH
				27B Mod2					53	53			
		56.36	56.59	11/13Mod	101		26					1,214	
				25 Mod1				26		1,214			
				27B Mod1						1,214			
		56.59	56.60	11/13Mod	4		2					53	
				25 Mod2				2	53	53			IBERIA DITCH
				27B Mod2					53	53			
		56.60	56.94	11/13Mod	150		38					1,795	
				25 Mod1				38		1,795			
				27B Mod1						1,795			
		56.94	57.33	11/13Mod	172		44					2,059	
				25 Mod1				44		2,059			
				27B Mod1						2,059			
				38A							39		
				38			48				1,132		
		57.33	57.34	11/13Mod	4		2					53	
				25 Mod2				2	53	53			AMEROSA DITCH
				27B Mod2					53	53			
		57.34	57.68	11/13Mod	150		38					1,795	
				25 Mod1				38		1,795			
				27B Mod1						1,795			
		57.68	57.69	11/13Mod	4		2					53	
				25 Mod2				2	53	53			VERDE DITCH
				27B Mod2					53	53			
				SUBTOTAL PDQ-13	1,314		432	341	846	31,574	3,295	15,787	

PAVEMENT DELINEATION QUANTITIES

PDQ-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	20	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE		DETAIL	NON-REFLECTIVE (EA)	RETROREFLECTIVE (EA)			PAINT (1 COAT)	PAINT TRAFFIC STRIPE (2-COAT)			
		FROM	TO		TYPE A	TYPE D	TYPE G	TYPE H	3" -BLACK	6" SOLID	8" SOLID	6" BROKEN	
					WHITE		CLEAR	YELLOW	(LF)	(LF)	(LF)	(LF)	
86	SB	57.69	57.81	11/13Mod	53		14					634	
				25 Mod1				14		634			
				27B Mod1						634			
		57.81	57.82	11/13Mod	4		2					53	
				25 Mod2				2	53	53			ANZA DITCH
				27B Mod2					53	53			
		57.82	58.03	11/13Mod	92		24					1,109	
				25 Mod1				24		1,109			
				27B Mod1						1,109			
		58.03	58.24	11/13Mod	92		24					1,109	
				25 Mod1				24		1,109			
				27B Mod1						1,109			
				38A							36		
				38			40				947		
		58.24	58.28	11/13Mod	18		5					211	
				25 Mod2				5	211	211			PALM WASH
				27B Mod2					211	211			
		58.28	58.40	11/13Mod	53		14					634	
				25 Mod1				14		634			
				27B Mod1						634			
		58.40	59.18	11/13Mod	343		87					4,118	
				25 Mod1				87		4,118			
				27B Mod1						4,118			
				38A							26		
				38							906		
		59.18	59.19	11/13Mod	4		2					53	
				25 Mod2				2	53	53			CORAL WASH
				27B Mod2					53	53			
		59.19	59.72	11/13Mod	233		59					2,798	
				25 Mod1				59		2,798			
				27B Mod1						2,798			
		59.72	59.77	11/13Mod	22		7					264	
				25 Mod1				7		264			
				27B Mod1						264			
		59.77	59.78	11/13Mod	4		2					53	
				25 Mod2				2	53	53			GRAVEL WASH
				27B Mod2					53	53			
		59.78	60.03	11/13Mod	110		29					1,320	
				25 Mod1				29		1,320			
				27B Mod1						1,320			
		60.03	60.14	11/13Mod	48		13		581			581	
				25 Mod1				13		581			
				27B Mod1					581				
				38			15				324		
		60.14	60.15	11/13Mod	4		2					53	
				25 Mod2				2	53	53			BERSA DITCH
				27B Mod2					53	53			
SUBTOTAL PDQ-14					1,080		339	284	2,008	25,399	2,239	12,990	

PAVEMENT DELINEATION QUANTITIES

PDQ-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	21	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 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.

PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE		DETAIL	NON-REFLECTIVE (EA)	RETROREFLECTIVE (EA)			PAINT (1 COAT)	PAINT TRAFFIC STRIPE (2-COAT)			
		FROM	TO		TYPE A	TYPE D	TYPE G	TYPE H	3" -BLACK	6" SOLID	8" SOLID	6" BROKEN	
					WHITE		CLEAR	YELLOW	(LF)	(LF)	(LF)	(LF)	
86	SB	60.15	60.47	11/13Mod	141		36					1,690	
				25 Mod1				36		1,690			
				27B Mod1						1,690			
		60.47	60.48	11/13Mod	4		2					53	
				25 Mod2				2	53	53			TESLA WASH
				27B Mod2					53	53			
		60.48	60.57	11/13Mod	40		11					475	
				25 Mod1				11		475			
				27B Mod1						475			
		60.57	60.58	11/13Mod	4		2					53	
				25 Mod2				2	53	53			VALERIE WASH
				27B Mod2					53	53			
		60.58	60.90	11/13Mod	141		36					1,690	
				25 Mod1				36		1,690			
				27B Mod1						1,690			
		60.90	60.91	11/13Mod	4		2					53	
				25 Mod2				2	53	53			VERGO WASH
				27B Mod2					53	53			
		60.91	61.08	11/13Mod	75		20					898	
				25 Mod1				20		898			
				27B Mod1						898			
		61.08	61.22	11/13Mod	62		16					739	
				25 Mod1				16		739			
				27B Mod1						739			
				38			21				484		
		61.22	61.23	11/13Mod	4		2					53	
				25 Mod2				2	53	53			ASTER WASH
				27B Mod2					53	53			
		61.23	61.36	11/13Mod	57		15					686	
				25 Mod1				15		686			
				27B Mod1						686			
		61.36	61.37	11/13Mod	4		2					53	
				25 Mod2				2	53	53			VERBENA DITCH
				27B Mod2					53	53			
		61.37	61.54	11/13Mod	75		20					898	
				25 Mod1				20		898			
				27B Mod1						898			
		61.54	61.55	11/13Mod	4		2					53	
				25 Mod2				2	53	53			IBYCUS DITCH
				27B Mod2					53	53			
		61.55	61.69	11/13Mod	62		16					739	
				25 Mod1				16		739			
				27B Mod1						739			
		61.69	61.70	11/13Mod	4		2					53	
				25 Mod2				2	53	53			
				27B Mod2					53	53			
		61.70	61.80	11/13Mod	44		12		528			528	
				25 Mod1				12		528			
				27B Mod1					528				
				SUBTOTAL PDQ-15	725		217	196	1,798	16,900	484	8,714	

PAVEMENT DELINEATION QUANTITIES

PDQ-15

REVISED BY | DATE REVISED

EYERUSALEM TADESSE | MIGUEL H. VASQUEZ

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR | ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 | TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	22	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE FROM	POSTMILE TO	DETAIL	NON-REFLECTIVE (EA) TYPE A WHITE	RETROREFLECTIVE (EA) TYPE D	RETROREFLECTIVE (EA) TYPE G CLEAR	RETROREFLECTIVE (EA) TYPE H YELLOW	PAINT (1 COAT) 3" -BLACK (LF)	PAINT TRAFFIC STRIPE (2-COAT) 6" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT) 8" SOLID (LF)	PAINT TRAFFIC STRIPE (2-COAT) 6" BROKEN (LF)	
86	SB	61.80	61.81	11/13Mod	4		2					53	
				25 Mod2				2	53	53			TALOFA DITCH
				27B Mod2					53	53			
		61.81	62.20	11/13Mod	172		44					2,059	
				25 Mod1				44		2,059			
				27B Mod1						2,059			
		62.20	62.21	11/13Mod	4		2					53	
				25 Mod2				2	53	53			TONALEE DITCH
				27B Mod2					53	53			
		62.21	62.31	11/13Mod	44		12					528	
				25 Mod1				12		528			
				27B Mod1						528			
		62.31	62.32	11/13Mod	4		2					53	
				25 Mod2				2	53	53			DAROCA DITCH
				27B Mod2					53	53			
		62.32	62.37	11/13Mod	22		6					264	
				25 Mod1				6		264			
				27B Mod1						264			
		62.37	62.55	11/13Mod	79		21					950	
				25 Mod1				21		950			
				27B Mod1						950			
				38A							56		
				38			44				1,033		
		62.55	62.64	11/13Mod	40		11					475	
				25 Mod1				11		475			
				27B Mod1						475			
				38A							21		
				38			19				420		
		62.64	62.65	11/13Mod	4		2					53	
				25 Mod2				2	53	53			BEXAR DITCH
				27B Mod2					53	53			
		62.65	62.98	11/13Mod	145		37					1,742	
				25 Mod1				37		1,742			
				27B Mod1						1,742			
		62.98	62.99	11/13Mod	4		2					53	
				25 Mod2				2	53	53			TORTIF DITCH
				27B Mod2					53	53			
		62.99	63.04	11/13Mod	22		7					264	
				25 Mod1				7		264			
				27B Mod1						264			
		63.04	63.13	11/13Mod	40		11					475	
				25 Mod1				11		475			
				27B Mod1						475			
				38			10				207		
		63.13	63.14	11/13Mod	4		2					53	
				25 Mod2				2	53	53			FOLIUS DITCH
				27B Mod2					53	53			
		63.14	63.21	11/13Mod	31		9					370	
				25 Mod1				9		370			
				27B Mod1						370			
SUBTOTAL PDQ-16					619		243	170	636	14,890	1,737	7,445	

PAVEMENT DELINEATION QUANTITIES

PDQ-16

REVISED BY | DATE REVISED

EYERUSALEM TADESSE | MIGUEL H. VASQUEZ

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR | ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 | TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	23	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE FROM	POSTMILE TO	DETAIL	NON-REFLECTIVE (EA)	RETROREFLECTIVE (EA)			PAINT (1 COAT)	PAINT TRAFFIC STRIPE (2-COAT)			
					TYPE A	TYPE D	TYPE G	TYPE H	3" -BLACK	6" SOLID	8" SOLID	6" BROKEN	
					WHITE		CLEAR	YELLOW	(LF)	(LF)	(LF)	(LF)	
86	SB	63.21	63.22	11/13Mod	4		2					53	
				25 Mod2				2	53	53			FLORIS DITCH
				27B Mod2					53	53			
		63.22	63.34	11/13Mod	53		14					634	
				25 Mod1				14		634			
				27B Mod1						634			INCIENSO DITCH
		63.34	63.35	11/13Mod	4		2					53	
				25 Mod2				2	53	53			
				27B Mod2					53	53			
		63.35	63.49	11/13Mod	62		16					739	
				25 Mod1				16		739			
				27B Mod1						739			
		63.49	63.50	11/13Mod	4		2					53	
				25 Mod2				2	53	53			ENCILIA DITCH
				27B Mod2					53	53			
		63.50	63.61	11/13Mod	48		13					581	
				25 Mod1				13		581			
				27B Mod1						581			
		63.61	63.78	11/13Mod	75		20					898	
				25 Mod1				20		898			
				27B Mod1						898			
				38A							24		
				38			40				944		
		63.78	63.79	11/13Mod	4		2					53	
				25 Mod2				2	53	53			FARINOSA DITCH
				27B Mod2					53	53			
		63.79	64.10	11/13Mod	136		35					1,637	
				25 Mod1				35		1,637			
				27B Mod1						1,637			
		64.10	64.11	11/13Mod	4		2					53	
				25 Mod2				2	53	53			GODETIA DITCH
				27B Mod2					53	53			
		64.11	64.22	11/13Mod	48		13					581	
				25 Mod1				13		581			
				27B Mod1						581			
		64.22	64.33	11/13Mod	48		13					581	
				25 Mod1				13		581			
				27B Mod1						581			
				38			17				379		
		64.33	64.34	11/13Mod	4		2					53	
				25 Mod2				2	53	53			CALYX DITCH
				27B Mod2					53	53			
		64.34	64.43	11/13Mod	40		11					475	
				25 Mod1				11		475			
				27B Mod1						475			
		64.43	64.62	11/13Mod	84		22					1,003	
				25 Mod1				22		1,003			
				27B Mod1						1,003			
				38			21				478		
				SUBTOTAL PDQ-17	618		247	169	636	14,894	1,825	7,447	

PAVEMENT DELINEATION QUANTITIES

PDQ-17

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	24	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE FROM	POSTMILE TO	DETAIL	NON-REFLECTIVE (EA)	RETROREFLECTIVE (EA)			PAINT (1 COAT)	PAINT TRAFFIC STRIPE (2-COAT)			
					TYPE A	TYPE D	TYPE G	TYPE H	3" -BLACK	6" SOLID	8" SOLID	6" BROKEN	
					WHITE		CLEAR	YELLOW	(LF)	(LF)	(LF)	(LF)	
86	SB	64.62	64.63	11/13Mod	4		2					53	
				25 Mod2				2	53	53			MATIS DITCH
				27B Mod2					53	53			
		64.63	64.75	11/13Mod	53		14					634	
				25 Mod1				14		634			
				27B Mod2						634			
		64.75	64.76	11/13Mod	4		2					53	
				25 Mod2				2	53	53			AMBIG DITCH
				27B Mod2					53	53			
		64.76	64.83	11/13Mod	31		9					370	
				25 Mod1				9		370			
				27B Mod2						370			
		64.83	64.84	11/13Mod	4		2					53	
				25 Mod2				2	53	53			ROMNEY DITCH
				27B Mod2					53	53			
		64.84	64.99	11/13Mod	66		17					792	
				25 Mod1				17		792			
				27B Mod1						792			
		64.99	65.01	11/13Mod	4		2					53	
				25 Mod2				2	53	53			PAROSA DITCH
				27B Mod2					53	53			
		65.01	65.07	11/13Mod	26		8					317	
				25 Mod1				8		317			
				27B Mod1						317			
		65.07	65.22	11/13Mod	66		18					792	
				25 Mod1				18		792			
				27B Mod1						792			
				38			22				513		
		65.22	65.23	11/13Mod	4		2					53	
				25 Mod2				2	53	53			
				27B Mod2					53	53			
		65.23	65.35	11/13Mod	53		14					634	
				25 Mod1				14		634			
				27B Mod1						634			
		65.35	65.36	11/13Mod	4		2					53	
				25 Mod2				2	53	53			
				27B Mod2					53	53			
		65.36	65.68	11/13Mod	141		36					1,690	
				25 Mod1				36		1,690			
				27B Mod1						1,690			
		65.68	65.69	11/13Mod	4		2					53	
				25 Mod2				2	53	53			SHORELINE DITCH
				27B Mod2					53	53			
		65.69	65.90	11/13Mod	92		24					1,109	
				25 Mod1				24		1,109			
				27B Mod1						1,109			
				SUBTOTAL PDQ-18	556		176	154	742	13,418	513	6,709	

PAVEMENT DELINEATION QUANTITIES

PDQ-18

REVISED BY | DATE REVISED
EYERUSALEM TADESSE | MIGUEL H. VASQUEZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 | TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	25	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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PAVEMENT DELINEATION QUANTITIES

LOCATION					PAVEMENT MARKER SUMMARY				TRAFFIC STRIPE SUMMARY				REMARKS
ROUTE	DIRECTION	POSTMILE		DETAIL	NON-REFLECTIVE (EA)	RETROREFLECTIVE (EA)			PAINT (1 COAT)	PAINT TRAFFIC STRIPE (2-COAT)			
		FROM	TO		TYPE A	TYPE D	TYPE G	TYPE H	3" -BLACK	6" SOLID	8" SOLID	6" BROKEN	
					WHITE		CLEAR	YELLOW	(LF)	(LF)	(LF)	(LF)	
86	SB	65.90	66.13	11/13Mod	101		26					1,214	
				25 Mod1				26		1,214			
				27B Mod1						1,214			
				38A							24		
				38			42				989		
		66.13	66.97	11/13Mod	370		93					4,435	
				25 Mod1				93		4,435			
				27B Mod1						4,435			
				38A							24		
				38							1,031		
		66.97	67.82	11/13Mod	374		94					4,488	
				25 Mod1				94		4,488			
				27B Mod1						4,488			
				38			21				481		
		SUBTOTAL PDQ-19			845		276	213		20,274	2,549	10,137	
		SUBTOTAL PDQ-11			3,404		943	865	1,374	81,734	1,812	40,867	
		SUBTOTAL PDQ-12			1,698		550	437	634	40,762	2,644	20,381	
		SUBTOTAL PDQ-13			1,314		432	341	846	31,574	3,295	15,787	
		SUBTOTAL PDQ-14			1,080		339	284	2,008	25,399	2,239	12,990	
		SUBTOTAL PDQ-15			725		217	196	1,798	16,900	484	8,714	
		SUBTOTAL PDQ-16			619		243	170	636	14,890	1,737	7,445	
		SUBTOTAL PDQ-17			618		247	169	636	14,894	1,825	7,447	
		SUBTOTAL PDQ-18			556		176	154	742	13,418	513	6,709	
				*TOTAL	10,859		6,252		8,674	259,845	17,098	130,477	

* SB TOTAL. SEE PDQ-10 FOR NB TOTAL.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

PAVEMENT DELINEATION QUANTITIES
PDQ-19

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	26	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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THERMOPLASTIC PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)

ROUTE	DIRECTION	LOCATION	TYPE V ARROW	Type III (L) ARROW	Type III (R) ARROW	STOP (WHITE)	AIRCRAFT ENFORCEMENT MARKING (WHITE) (TYPE 1)	LIMIT LINE (WHITE) 12"
		PM	(SQFT)	(SQFT)	(SQFT)	(SQFT)	(SQFT)	(SQFT)
86	NB	43.1-67.82	3,960	2,520	924	1,100	162	1,300
86	SB	43.1-67.82	3,696	2,310	924	1,232		1,410
		SUB TOTAL	7,656	4,830	1,848	2,332	162	2,710
		TOTAL	19,538					

REMOVE PAINTED TRAFFIC STRIPE (N)

ROUTE	DIRECTION	LOCATION	TYPE	(LF)
86	NB	PM 43.1 TO PM 67.82	11/13, 22(Mod), 25, 25(Mod), 27B, 27B(Mod)	313,300
	SB	PM 43.1 TO PM 67.82	11/13, 22(Mod), 25, 25(Mod), 27B, 27B(Mod)	289,647
			TOTAL	602,947

REMOVE THERMOPLASTIC TRAFFIC STRIPE

ROUTE	DIRECTION	LOCATION	TYPE	(LF)
86	NB	PM 43.1 TO PM 67.82	38A, 38	34,346
	SB	PM 43.1 TO PM 67.82	38A, 38	34,196
			TOTAL	68,542

REMOVE THERMOPLASTIC PAVEMENT MARKING

ROUTE	DIRECTION	LOCATION	TYPE	(SQFT)
86	NB	PM 43.1 TO PM 67.82	LEFT ARROW	2,520
			THROUGH ARROW	3,960
			RIGHT ARROW	924
			LIMIT LINE	1,300
			AIRCRAFT ENFORCEMENT	162
		PM 62.38	TYPE VI ARROW	126
86	SB	PM 43.1 TO PM 67.82	LEFT ARROW	2,310
			THROUGH ARROW	3,696
			RIGHT ARROW	924
			LIMIT LINE	1,410
			TOTAL	17,332

REMOVE PAVEMENT MARKER (N)

		POSTMILE		
ROUTE	DIRECTION	FROM	TO	EACH
86	NB	43.10	67.82	17,743
86	SB	43.10	67.82	17,115

NOTES:

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

PAVEMENT DELINEATION QUANTITIES

PDQ-20

REVISED BY | DATE REVISED

EYERUSALEM TADESSE | MIGUEL H. VASQUEZ

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 TIME PLOTTED => 10:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	27	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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ASPHALT-RUBBER SEAL COAT

DIRECTION	POSTMILE		TRAVELED WAY LENGTH	TRAVELED WAY WIDTH	SHOULDER WIDTH LF (N)		AREA	ASPHALT-RUBBER BINDER	PRECOATED SCREENINGS	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER (SEAL)	REMARKS
NB	BEGIN	END	LF (N)	LF (N)	LEFT	RIGHT	SQYD (N)	TON	TON	TON	TON	
86	43.10	43.15	264.00	24.00	5.00	10.00	1,144.00	2.53	22.88	0.23	2.29	
	43.15	43.20	264.00	12.00	0.00	0.00	352.00	0.78	7.04	0.07	0.70	LEFT TURN
	43.15	43.20	264.00	24.00	0.00	10.00	997.33	2.20	19.95	0.20	1.99	
	43.20	43.30	528.00	24.00	5.00	10.00	2,288.00	5.05	45.76	0.47	4.58	
	43.30	43.41	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	43.41	43.46	264.00	24.00	5.00	10.00	1,144.00	2.53	22.88	0.23	2.29	
	43.46	43.54	422.40	12.00	0.00	0.00	563.20	1.24	11.26	0.11	1.13	LEFT TURN
	43.46	43.54	422.40	24.00	0.00	4.00	1,314.13	2.90	26.28	0.27	2.63	
	43.57	44.03	2,428.80	24.00	5.00	10.00	10,524.80	23.25	210.50	2.15	21.05	
	44.03	44.08	264.00	12.00	0.00	0.00	352.00	0.78	7.04	0.07	0.70	LEFT TURN
	44.03	44.08	264.00	24.00	0.00	10.00	997.33	2.20	19.95	0.20	1.99	
	44.10	44.78	3,590.40	24.00	5.00	10.00	15,558.40	34.36	311.17	3.18	31.12	
	44.78	44.79	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	44.79	45.68	4,699.20	24.00	5.00	10.00	20,363.20	44.98	407.26	4.16	40.73	
	45.68	45.69	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	45.69	46.16	2,481.60	24.00	5.00	10.00	10,753.60	23.75	215.07	2.19	21.51	
	46.16	46.22	316.80	24.00	0.00	10.00	1,196.80	2.64	23.94	0.24	2.39	
	46.16	46.22	316.80	12.00	0.00	0.00	422.40	0.93	8.45	0.09	0.84	LEFT TURN
	46.23	47.57	7,075.20	24.00	5.00	10.00	3,0659.20	67.72	613.18	6.26	61.32	
	47.57	47.62	264.00	24.00	0.00	10.00	997.33	2.20	19.95	0.20	1.99	
	47.57	47.62	264.00	12.00	0.00	0.00	352.00	0.78	7.04	0.07	0.70	LEFT TURN
	47.63	50.13	13,200.00	24.00	5.00	10.00	57,200.00	126.34	1144.00	11.67	114.40	
	50.13	50.18	264.00	24.00	0.00	10.00	997.33	2.20	19.95	0.20	1.99	
	50.13	50.18	264.00	12.00	0.00	0.00	352.00	0.78	7.04	0.07	0.70	LEFT TURN
	50.20	50.84	3,379.20	24.00	5.00	10.00	14,643.20	32.34	292.86	2.99	29.29	
	50.84	50.85	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	50.85	51.18	1,742.40	24.00	5.00	10.00	7,550.40	16.68	151.01	1.54	15.10	
	51.18	51.29	580.80	24.00	0.00	10.00	2,194.13	4.85	43.88	0.45	4.39	
	51.18	51.29	580.80	12.00	0.00	0.00	774.40	1.71	15.49	0.16	1.55	LEFT TURN
	51.31	51.87	2,956.80	24.00	5.00	10.00	12,812.80	28.30	256.26	2.61	25.63	
	51.87	51.88	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	51.88	52.52	3,379.20	24.00	5.00	10.00	14643.20	32.34	292.86	2.99	29.29	
	52.52	52.63	580.80	24.00	0.00	10.00	2194.13	4.85	43.88	0.45	4.39	
	52.52	52.63	580.80	12.00	0.00	0.00	774.40	1.71	15.49	0.16	1.55	
	52.64	53.07	2,270.40	24.00	5.00	10.00	9838.40	21.73	196.77	2.01	19.68	
	53.07	53.10	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	53.10	53.15	264.00	24.00	5.00	10.00	1,144.00	2.53	22.88	0.23	2.29	
	53.10	53.15	264.00	12.00	0.00	0.00	352.00	0.78	7.04	0.07	0.70	LEFT TURN
	53.15	53.79	3,379.20	24.00	5.00	10.00	14,643.20	32.34	292.86	2.99	29.29	
	53.79	53.89	528.00	12.00	0.00	0.00	704.00	1.55	14.08	0.14	1.41	LEFT TURN
	53.79	53.89	528.00	12.00	0.00	0.00	704.00	1.55	14.08	0.14	1.41	RIGHT TURN
	53.90	53.99	475.20	24.00	5.00	10.00	2059.20	4.55	41.18	0.42	4.12	
	53.99	54.00	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	54.00	54.03	158.40	24.00	5.00	10.00	686.40	1.52	13.73	0.14	1.37	
	54.03	54.12	475.20	24.00	0.00	10.00	1,795.20	3.97	35.90	0.37	3.59	
	54.03	54.12	475.20	12.00	0.00	0.00	633.60	1.40	12.67	0.13	1.27	LEFT TURN
	54.14	54.70	2,956.80	24.00	5.00	10.00	12,812.80	28.30	256.26	2.61	25.63	
	54.70	54.73	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	54.73	55.12	2,059.20	24.00	5.00	10.00	8,923.20	19.71	178.46	1.82	17.85	
							SUB TOTAL Q-1	592.85	5368.23	54.75	536.84	

SUMMARY OF QUANTITIES
Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:37

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	28	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 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.

ASPHALT-RUBBER SEAL COAT

DIRECTION		POSTMILE		TRAVELED WAY LENGTH	TRAVELED WAY WIDTH	SHOULDER WIDTH LF (N)		AREA	ASPHALT-RUBBER BINDER	PRECOATED SCREENINGS	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER (SEAL)	REMARKS
NB		BEGIN	END	LF (N)	LF (N)	LEFT	RIGHT	SQYD (N)	TON	TON	TON	TON	
86		55.12	55.24	633.60	12.00	0.00	0.00	844.80	1.87	16.90	0.17	1.69	LEFT TURN
		55.12	55.24	633.60	12.00	0.00	0.00	844.80	1.87	16.90	0.17	1.69	RIGHT TURN
		55.12	55.24	633.60	24.00	0.00	0.00	1,689.60	3.73	33.79	0.34	3.38	
		55.26	55.50	1,267.20	24.00	5.00	10.00	5,491.20	12.13	109.82	1.12	10.98	
		55.50	55.51	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		55.51	55.99	2,534.40	24.00	5.00	10.00	10,982.40	24.26	219.65	2.24	21.96	
		55.99	56.10	580.80	12.00	0.00	0.00	774.40	1.71	15.49	0.16	1.55	LEFT TURN
		55.99	56.10	580.80	12.00	0.00	0.00	774.40	1.71	15.49	0.16	1.55	RIGHT TURN
		55.99	56.10	580.80	24.00	0.00	0.00	1,548.80	3.42	30.98	0.32	3.10	
		56.12	56.35	1,214.40	24.00	5.00	10.00	5,262.40	11.62	105.25	1.07	10.52	
		56.35	56.36	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		56.36	56.59	1,214.40	24.00	5.00	10.00	5,262.40	11.62	105.25	1.07	10.52	
		56.59	56.60	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		56.60	56.82	1,161.60	24.00	5.00	10.00	5,033.60	11.12	100.67	1.03	10.07	
		56.82	56.93	580.80	12.00	0.00	0.00	774.40	1.71	15.49	0.16	1.55	LEFT TURN
		56.82	56.93	580.80	12.00	0.00	0.00	774.40	1.71	15.49	0.16	1.55	RIGHT TURN
		56.82	56.93	580.80	24.00	0.00	0.00	1,548.80	3.42	30.98	0.32	3.10	
		56.94	57.33	2,059.20	24.00	5.00	10.00	8,923.20	19.71	178.46	1.82	17.85	
		57.33	57.34	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		57.34	57.68	1,795.20	24.00	5.00	10.00	7,779.20	17.18	155.58	1.59	15.56	
		57.68	57.69	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		57.69	57.81	633.60	24.00	5.00	10.00	2,745.60	6.06	54.91	0.56	5.49	
		57.81	57.82	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		57.82	57.93	580.80	24.00	5.00	10.00	2,516.80	5.56	50.34	0.51	5.03	
		57.93	58.03	528.00	12.00	0.00	0.00	704.00	1.55	14.08	0.14	1.41	LEFT TURN
		57.93	58.03	528.00	12.00	0.00	0.00	704.00	1.55	14.08	0.14	1.41	RIGHT TURN
		57.93	58.03	528.00	0.00	24.00	0.00	1,408.00	3.11	28.16	0.29	2.82	
		58.05	58.24	1,003.20	24.00	5.00	10.00	4,347.20	9.60	86.94	0.89	8.69	
		58.24	58.28	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		58.28	58.32	211.20	24.00	5.00	10.00	915.20	2.02	18.30	0.19	1.83	
		58.32	58.35	158.40	12.00	0.00	0.00	211.20	0.47	4.22	0.04	0.42	LEFT TURN
		58.32	58.41	475.20	0.00	24.00	10.00	1,795.20	3.97	35.90	0.37	3.59	
		58.41	59.18	4,065.60	24.00	5.00	10.00	17,617.60	38.91	352.35	3.60	35.24	
		59.18	59.19	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		59.19	59.63	2,323.20	24.00	5.00	10.00	10,067.20	22.24	201.34	2.05	20.13	
		59.63	59.71	422.40	24.00	5.00		1,361.07	3.01	27.22	0.28	2.72	
		59.63	59.71	422.40	12.00	0.00	0.00	563.20	1.24	11.26	0.11	1.13	RIGHT TURN
		59.72	59.77	264.00	24.00	5.00	10.00	1,144.00	2.53	22.88	0.23	2.29	
		59.77	59.78	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		59.78	59.92	739.20	24.00	5.00	10.00	3,203.20	7.08	64.06	0.65	6.41	
		59.92	60.02	528.00	12.00	0.00	0.00	704.00	1.55	14.08	0.14	1.41	LEFT TURN
		59.92	60.02	528.00	12.00	0.00	0.00	704.00	1.55	14.08	0.14	1.41	RIGHT TURN
		60.04	60.14	528.00	24.00	5.00	10.00	2,288.00	5.05	45.76	0.47	4.58	
		60.14	60.15	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		60.15	60.47	1,689.60	24.00	5.00	10.00	7,321.60	16.17	146.43	1.49	14.64	
		60.47	60.48	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		60.48	60.57	475.20	24.00	5.00	10.00	2,059.20	4.55	41.18	0.42	4.12	
		60.57	60.58	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		60.58	60.90	1,689.60	24.00	5.00	10.00	7,321.60	16.17	146.43	1.49	14.64	
								SUB TOTAL Q-2	282.73	2560.21	26.10	256.03	

SUMMARY OF QUANTITIES
Q-2

REVISED BY | DATE REVISED

EYERUSALEM TADESSE | MIGUEL H. VASQUEZ

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR | ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® MAINTENANCE

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 TIME PLOTTED => 10:37

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	29	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 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.

ASPHALT-RUBBER SEAL COAT

DIRECTION		POSTMILE		TRAVELED WAY LENGTH	TRAVELED WAY WIDTH	SHOULDER WIDTH LF (N)		AREA	ASPHALT-RUBBER BINDER	PRECOATED SCREENINGS	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER (SEAL)	REMARKS
NB		BEGIN	END	LF (N)	LF (N)	LEFT	RIGHT	SQYD (N)	TON	TON	TON	TON	
86		60.91	60.97	316.80	24.00	5.00	10.00	1,372.80	3.03	27.46	0.28	2.75	
		60.97	61.07	528.00	12.00	0.00	0.00	704.00	1.55	14.08	0.14	1.41	LEFT TURN
		60.97	61.08	580.80	24.00	0.00	10.00	2,194.13	4.85	43.88	0.45	4.39	
		61.09	61.22	686.40	24.00	5.00	10.00	2,974.40	6.57	59.49	0.61	5.95	
		61.23	61.36	686.40	24.00	5.00	10.00	2,974.40	6.57	59.49	0.61	5.95	
		61.36	61.37	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		61.37	61.54	897.60	24.00	5.00	10.00	3,889.60	8.59	77.79	0.79	7.78	
		61.54	61.55	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		61.55	61.69	739.20	24.00	5.00	10.00	3,203.20	7.08	64.06	0.65	6.41	
		61.69	61.70	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		61.70	61.80	528.00	24.00	5.00	10.00	2,288.00	5.05	45.76	0.47	4.58	
		61.80	61.81	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		61.81	62.20	2,059.20	24.00	5.00	10.00	8,923.20	19.71	178.46	1.82	17.85	
		62.20	62.21	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		62.21	62.23	105.60	24.00	5.00	10.00	457.60	1.01	9.15	0.09	0.92	
		62.23	62.31	422.40	24.00	0.00	10.00	1,595.73	3.52	31.91	0.33	3.19	
		62.23	62.36	686.40	12.00	0.00	0.00	915.20	2.02	18.30	0.19	1.83	LEFT TURN
		62.23	62.36	686.40	12.00	0.00	0.00	915.20	2.02	18.30	0.19	1.83	RIGHT TURN
		62.23	62.36	686.40	24.00	0.00	10.00	2,593.07	5.73	51.86	0.53	5.19	
		62.38	62.44	316.80	36.00	0.00	10.00	1,619.20	3.58	32.38	0.33	3.24	LANE DROPS
		62.44	62.55	580.80	24.00	0.00	0.00	1,548.80	3.42	30.98	0.32	3.10	LEFT TURN
		62.44	62.55	580.80	24.00	0.00	10.00	2,194.13	4.85	43.88	0.45	4.39	
		62.55	62.64	475.20	24.00	5.00	10.00	2,059.20	4.55	41.18	0.42	4.12	
		62.64	62.65	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		62.65	62.98	1,742.40	24.00	5.00	10.00	7,550.40	16.68	151.01	1.54	15.10	
		62.98	62.99	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		62.99	63.04	264.00	24.00	0.00	10.00	997.33	2.20	19.95	0.20	1.99	
		62.99	63.04	264.00	12.00	0.00	0.00	352.00	0.78	7.04	0.07	0.70	LEFT TURN
		63.07	63.13	316.80	24.00	5.00	10.00	1,372.80	3.03	27.46	0.28	2.75	
		63.13	63.14	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		63.14	63.21	369.60	24.00	5.00	10.00	1,601.60	3.54	32.03	0.33	3.20	
		63.21	63.22	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		63.22	63.34	633.60	24.00	5.00	10.00	2,745.60	6.06	54.91	0.56	5.49	
		63.34	63.35	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		63.35	63.49	739.20	24.00	5.00	10.00	3,203.20	7.08	64.06	0.65	6.41	
		63.49	63.50	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		63.50	63.51	52.80	24.00	5.00	10.00	228.80	0.51	4.58	0.05	0.46	
		63.51	63.61	528.00	24.00	0.00	0.00	1,408.00	3.11	28.16	0.29	2.82	
		63.51	63.61	528.00	12.00	0.00	0.00	704.00	1.55	14.08	0.14	1.41	LEFT TURN
		63.51	63.61	528.00	12.00	0.00	0.00	704.00	1.55	14.08	0.14	1.41	RIGHT TURN
		63.63	63.78	792.00	24.00	5.00	10.00	3,432.00	7.58	68.64	0.70	6.86	
		63.78	63.79	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		63.79	64.10	1,636.80	24.00	5.00	10.00	7,092.80	15.67	141.86	1.45	14.19	
		64.10	64.11	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		64.11	64.21	528.00	24.00	0.00	10.00	1,994.67	4.41	39.89	0.41	3.99	
		64.11	64.21	528.00	12.00	0.00	0.00	704	1.55	14.08	0.14	1.41	LEFT TURN
		64.22	64.33	580.80	24.00	5.00	10.00	2,516.80	5.56	50.34	0.51	5.03	
		64.33	64.34	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		64.34	64.42	422.40	24.00	0.00	10.00	1,595.73	3.52	31.91	0.33	3.19	
							SUB TOTAL Q-3		178.08	1,612.49	16.46	161.29	

SUMMARY OF QUANTITIES
Q-3

REVISED BY | DATE REVISED

EYERUSALEM TADESSE | MIGUEL H. VASQUEZ

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: ALBERTO GAYON

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 TIME PLOTTED => 10:37

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	30	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 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.

ASPHALT-RUBBER SEAL COAT

DIRECTION		POSTMILE		TRAVELED WAY LENGTH	TRAVELED WAY WIDTH	SHOULDER WIDTH LF (N)		AREA	ASPHALT-RUBBER BINDER	PRECOATED SCREENINGS	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER (SEAL)	REMARKS
NB		BEGIN	END	LF (N)	LF (N)	LEFT	RIGHT	SQYD (N)	TON	TON	TON	TON	
86		64.34	64.42	422.40	12.00	0.00	0.00	563.20	1.24	11.26	0.11	1.13	LEFT TURN
		64.44	64.62	950.40	24.00	5.00	10.00	4,118.40	9.10	82.37	0.84	8.24	
		64.62	64.63	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		64.63	64.75	633.60	24.00	5.00	10.00	2,745.60	6.06	54.91	0.56	5.49	
		64.75	64.76	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		64.76	64.83	369.60	24.00	5.00	10.00	1,601.60	3.54	32.03	0.33	3.20	
		64.84	64.99	792.00	24.00	5.00	10.00	3,432.00	7.58	51.48	0.70	6.86	
		64.99	65.01	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		65.01	65.07	316.80	12.00	0.00	0.00	422.40	0.93	8.45	0.09	0.84	
		65.01	65.07	316.80	24.00	0.00	10.00	1,196.80	2.64	23.94	0.24	2.39	
		65.08	65.22	739.20	24.00	5.00	10.00	3,203.20	7.08	64.06	0.65	6.41	
		65.22	65.23	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		65.23	65.35	633.60	24.00	5.00	10.00	2,745.60	6.06	54.91	0.56	5.49	
		65.35	65.36	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		65.36	65.68	1689.60	24.00	5.00	10.00	7,321.60	16.17	146.43	1.49	14.64	
		65.68	65.69	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		65.69	65.77	422.40	24.00	5.00	10.00	1,830.40	4.04	36.61	0.37	3.66	
		65.78	65.89	580.80	12.00	0.00	0.00	774.40	1.71	15.49	0.16	1.55	LEFT TURN
		65.78	65.89	580.80	12.00	0.00	0.00	774.40	1.71	15.49	0.16	1.55	RIGHT TURN
		65.78	65.89	580.80	24.00	0.00	0.00	1,548.80	3.42	30.98	0.32	3.10	
		65.90	66.01	580.80	24.00	5.00	10.00	2,516.80	5.56	50.34	0.51	5.03	
		66.01	66.14	686.40	12.00	0.00	0.00	915.20	2.02	18.30	0.19	1.83	LEFT TURN
		66.01	66.14	686.40	12.00	0.00	0.00	915.20	2.02	18.30	0.19	1.83	RIGHT TURN
		66.01	66.14	686.40	24.00	0.00	0.00	1,830.40	4.04	36.61	0.37	3.66	
		66.15	66.85	3696.00	24.00	5.00	10.00	16,016.00	35.38	320.32	3.27	32.03	**
		66.85	66.96	580.80	12.00	0.00	0.00	774.40	1.71	15.49	0.16	1.55	LEFT TURN
		66.85	66.95	528.00	24.00	0.00	10.00	1,994.67	4.41	39.89	0.41	3.99	
		66.98	67.70	3801.60	24.00	5.00	10.00	16,473.60	36.39	329.47	3.36	32.95	
		66.70	67.82	5913.60	24.00	0.00	10.00	22,340.27	49.34	446.81	4.56	44.68	
		66.70	67.82	5913.60	12.00	0.00	0.00	7,884.80	17.42	157.70	1.61	15.77	LEFT TURN
								SUB TOTAL Q-4	229.57	2,061.64	21.21	207.87	
								SUB TOTAL Q-1	592.85	5,368.23	54.75	536.84	
								SUB TOTAL Q-2	282.73	2,560.21	26.10	256.03	
								SUB TOTAL Q-3	178.08	1,612.49	16.46	161.29	
								*TOTAL	1,283.23	11,602.57	118.52	1,162.03	

* NB TOTAL. SEE Q-8 FOR SB TOTAL.
** NO ASPHALT RUBBER BINDER AT EXISTING TRAFFIC COUNT STATION (PM 66.2)
(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

SUMMARY OF QUANTITIES
Q-4

REVISED BY | DATE REVISED
EYERUSALEM TADESSE | MIGUEL H. VASQUEZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | ALBERTO GAYON
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 TIME PLOTTED => 10:37

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	31	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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ASPHALT-RUBBER SEAL COAT

DIRECTION		POSTMILE		TRAVELED WAY LENGTH	TRAVELED WAY WIDTH	SHOULDER WIDTH LF (N)		AREA	ASPHALT-RUBBER BINDER	PRECOTED SCREENINGS	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER (SEAL)	REMARKS
SB		BEGIN	END	LF (N)	LF (N)	LEFT	RIGHT	SQYD (N)	TON	TON	TON	TON	
86		43.10	43.20	528.00	5.00	5.00	10.00	2,288.00	5.05	45.76	0.47	4.58	
		43.20	43.30	528.00	5.00	5.00	10.00	2,288.00	5.05	45.76	0.47	4.58	
		43.30	43.41	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		43.41	43.57	844.80	5.00	5.00	10.00	3,660.80	8.09	73.22	0.75	7.32	
		43.57	43.67	528.00	0.00	0.00	0.00	1,408.00	3.11	28.16	0.29	2.82	
		43.57	43.67	528.00	0.00	0.00	0.00	1,408.00	3.11	28.16	0.29	2.82	LEFT & RIGHT TURN
		43.67	44.09	2,217.60	5.00	5.00	10.00	9,609.60	21.23	192.19	1.96	19.22	
		44.10	44.15	264.00	0.00	0.00	0.00	352.00	0.78	7.04	0.07	0.70	LEFT TURN
		44.10	44.15	264.00	0.00	0.00	10.00	997.33	2.20	19.95	0.20	1.99	
		44.15	44.77	3,273.60	5.00	5.00	10.00	14,185.60	31.33	283.71	2.90	28.37	
		44.77	44.78	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		44.78	45.67	4,699.20	5.00	5.00	10.00	20,363.20	44.98	407.26	4.16	40.73	
		45.67	45.68	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		45.68	46.22	2,851.20	5.00	5.00	10.00	12,355.20	27.29	247.10	2.52	24.71	
		46.23	46.29	316.80	0.00	0.00	0.00	422.40	0.93	8.45	0.09	0.84	LEFT TURN
		46.23	46.29	316.80	0.00	0.00	10.00	1,196.80	2.64	23.94	0.24	2.39	
		46.29	47.59	6,864.00	5.00	5.00	10.00	29,744.00	65.70	594.88	6.07	59.49	
		47.62	47.67	264.00	0.00	0.00	0.00	352.00	0.78	7.04	0.07	0.70	LEFT TURN
		47.62	47.67	264.00	0.00	0.00	10.00	997.33	2.20	19.95	0.20	1.99	
		47.68	50.18	13,200.00	5.00	5.00	10.00	57,200.00	126.34	1144.00	11.67	114.40	
		50.19	50.25	316.80	0.00	0.00	10.00	1,196.80	2.64	23.94	0.24	2.39	
		50.19	50.25	316.80	0.00	0.00	0.00	422.40	0.93	8.45	0.09	0.84	LEFT TURN
		50.25	50.83	3,062.40	5.00	5.00	10.00	13,270.40	29.31	265.41	2.71	26.54	
		50.83	50.84	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		50.84	51.30	2,428.80	5.00	5.00	10.00	10,524.80	23.25	210.50	2.15	21.05	
		51.31	51.42	580.80	0.00	0.00	10.00	2,194.13	4.85	43.88	0.45	4.39	
		51.32	51.42	528.00	0.00	0.00	0.00	704.00	1.55	14.08	0.14	1.41	LEFT TURN
		51.42	51.88	2,428.80	5.00	5.00	10.00	10,524.80	23.25	210.50	2.15	21.05	
		51.88	51.89	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		51.89	52.61	3,801.60	5.00	5.00	10.00	16,473.60	36.39	329.47	3.36	32.95	
		52.63	52.74	580.80	0.00	0.00	10.00	2,194.13	4.85	43.88	0.45	4.39	
		52.63	52.74	580.80	0.00	0.00	0.00	774.40	1.71	15.49	0.16	1.55	LEFT TURN
		52.74	53.07	1,742.40	5.00	5.00	10.00	7,550.40	16.68	151.01	1.54	15.10	
		53.07	53.10	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		53.10	53.13	158.40	5.00	5.00	10.00	686.40	1.52	13.73	0.14	1.37	
		53.15	53.26	580.80	0.00	0.00	10.00	2,194.13	4.85	43.88	0.45	4.39	
		53.15	53.26	580.80	0.00	0.00	0.00	774.40	1.71	15.49	0.16	1.55	LEFT TURN
		53.26	53.87	3,220.80	5.00	5.00	10.00	13,956.80	30.83	279.14	2.85	27.91	
		53.90	53.99	475.20	0.00	0.00	0.00	1,267.20	2.80	25.34	0.26	2.53	
		53.90	53.99	475.20	0.00	0.00	0.00	1,267.20	2.80	25.34	0.26	2.53	LEFT & RIGHT TURN
		53.99	54.00	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		54.00	54.11	580.80	5.00	5.00	10.00	2,516.80	5.56	50.34	0.51	5.03	
		54.11	54.24	686.40	0.00	0.00	10.00	3,508.27	7.75	70.17	0.72	7.02	LEFT TURN
		54.24	54.70	2,428.80	5.00	5.00	10.00	10,524.80	23.25	210.50	2.15	21.05	
		54.70	54.74	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		54.74	55.25	2,692.80	5.00	5.00	10.00	11,668.80	25.77	233.38	2.38	23.34	
		55.26	55.36	528.00	0.00	0.00	0.00	1,408.00	3.11	28.16	0.29	2.82	
		55.26	55.36	528.00	0.00	0.00	0.00	1,408.00	3.11	28.16	0.29	2.82	LEFT & RIGHT TURN
		55.36	55.51	792.00	5.00	5.00	10.00	3,432.00	7.58	68.64	0.70	6.86	
								SUB TOTAL Q-5	616.86	5,585.45	57.02	558.53	

SUMMARY OF QUANTITIES
Q-5

REVISED BY | DATE REVISED
EYERUSALEM TADESSE | MIGUEL H. VASQUEZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | ALBERTO GAYON
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 TIME PLOTTED => 10:37

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	32	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA

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ASPHALT-RUBBER SEAL COAT

DIRECTION		POSTMILE		TRAVELED WAY LENGTH	TRAVELED WAY WIDTH	SHOULDER WIDTH LF (N)		AREA	ASPHALT-RUBBER BINDER	PRECOATED SCREENINGS	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER (SEAL)	REMARKS
SB		BEGIN	END	LF (N)	LF (N)	LEFT	RIGHT	SQYD (N)	TON	TON	TON	TON	
86		55.51	55.52	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		55.52	56.08	2,956.80	12.00	5.00	10.00	8,870.40	19.59	177.41	1.81	17.74	
		56.11	56.21	528.00	24.00	0.00	0.00	1,408.00	3.11	28.16	0.29	2.82	
		56.11	56.21	528.00	24.00	0.00	0.00	1,408.00	3.11	28.16	0.29	2.82	LEFT & RIGHT TURN
		56.21	56.35	739.20	24.00	5.00	10.00	3,203.20	7.08	64.06	0.65	6.41	
		56.35	56.36	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		56.36	56.59	1,214.40	24.00	5.00	10.00	5,262.40	11.62	105.25	1.07	10.52	
		56.59	56.60	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		56.60	56.91	1,636.80	24.00	5.00	10.00	7,092.80	15.67	141.86	1.45	14.19	
		56.92	56.94	105.60	24.00	0.00	0.00	281.60	0.62	5.63	0.06	0.56	
		56.92	57.04	633.60	24.00	0.00	0.00	1,689.60	3.73	33.79	0.34	3.38	LEFT & RIGHT TURN
		57.04	57.33	1,531.20	0.00	5.00	10.00	2,552.00	5.64	51.04	0.52	5.10	SHOULDERS ONLY
		57.33	57.34	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		57.34	57.68	1,795.20		5.00	10.00	2,992.00	6.61	59.84	0.61	5.98	SHOULDERS ONLY
		57.68	57.69	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		57.69	57.82	686.40		5.00	10.00	1,144.00	2.53	22.88	0.23	2.29	SHOULDERS ONLY
		57.82	57.83	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		57.83	58.02	1,003.20	0.00	5.00	10.00	1,672.00	3.69	33.44	0.34	3.34	SHOULDERS ONLY
		58.04	58.14	528.00	0.00	12.00	12.00	1,408.00	3.11	28.16	0.29	2.82	LEFT & RIGHT TURN
		58.14	58.24	528.00	0.00	5.00	10.00	880.00	1.94	17.60	0.18	1.76	SHOULDERS ONLY
		58.24	58.28	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		58.28	58.38	528.00	0.00	5.00	10.00	880.00	1.94	17.60	0.18	1.76	SHOULDERS ONLY
		58.40	58.50	528.00	0.00	5.00	10.00	880.00	1.94	17.60	0.18	1.76	SHOULDERS ONLY
		58.50	59.18	3,590.40	0.00	5.00	10.00	5,984.00	13.22	119.68	1.22	11.97	SHOULDERS ONLY
		59.18	59.19	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		59.19	59.77	3,062.40	0.00	5.00	10.00	5,104.00	11.27	102.08	1.04	10.21	SHOULDERS ONLY
		59.77	59.78	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		59.78	60.00	1,161.60	0.00	5.00	10.00	1,936.00	4.28	38.72	0.40	3.87	SHOULDERS ONLY
		60.01	60.10	475.20	0.00	12.00	10.00	1,161.60	2.57	23.23	0.24	2.32	LEFT TURN
		60.10	60.14	211.20	0.00	5.00	10.00	352.00	0.78	7.04	0.07	0.70	SHOULDERS ONLY
		60.14	60.15	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		60.15	60.47	1,689.60	0.00	5.00	10.00	2,816.00	6.22	56.32	0.57	5.63	SHOULDERS ONLY
		61.47	60.48	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		60.48	60.57	475.20	0.00	5.00	10.00	792.00	1.75	15.84	0.16	1.58	SHOULDERS ONLY
		60.57	60.58	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		60.58	60.90	1,689.60	0.00	5.00	10.00	2,816.00	6.22	56.32	0.57	5.63	SHOULDERS ONLY
		60.90	60.91	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		60.91	61.06	792.00	0.00	5.00	105.00	9,680.00	21.38	193.60	1.98	19.36	SHOULDERS ONLY
		61.09	61.22	686.40	0.00	12.00	10.00	1,677.87	3.71	33.56	0.34	3.36	LEFT TURN
		61.22	61.23	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		61.23	61.36	686.40	0.00	5.00	10.00	1,144.00	2.53	22.88	0.23	2.29	SHOULDERS ONLY
		61.36	61.37	BRIDGE		BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		61.37	61.54	897.60	0.00	5.00	10.00	1,496.00	3.30	29.92	0.31	2.99	SHOULDERS ONLY
		61.54	61.55	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		61.55	61.70	792.00	0.00	5.00	10.00	1,320.00	2.92	26.40	0.27	2.64	SHOULDERS ONLY
		61.70	61.71	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		61.71	61.80	475.20	0.00	5.00	10.00	792.00	1.75	15.84	0.16	1.58	SHOULDERS ONLY
		61.80	61.81	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
		61.81	62.20	2,059.20	0.00	5.00	10.00	3,432.00	7.58	68.64	0.70	6.86	SHOULDERS ONLY
								SUB TOTAL Q-6	181.41	1,642.55	16.75	164.24	

SUMMARY OF QUANTITIES
Q-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY / DATE REVISED

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 | TIME PLOTTED => 10:37

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	33	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 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.

ASPHALT-RUBBER SEAL COAT

DIRECTION	POSTMILE		TRAVELED WAY LENGTH	TRAVELED WAY WIDTH	SHOULDER WIDTH LF (N)		AREA	ASPHALT-RUBBER BINDER	PRECOATED SCREENINGS	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER (SEAL)	REMARKS
SB	BEGIN	END	LF (N)	LF (N)	LEFT	RIGHT	SQYD (N)	TON	TON	TON	TON	
86	62.20	62.22	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	62.22	62.31	475.20	0.00	5.00	10.00	792.00	1.75	15.84	0.16	1.58	SHOULDERS ONLY
	62.31	62.32	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	62.32	62.37	264.00	0.00	5.00	10.00	440.00	0.97	8.80	0.09	0.88	SHOULDERS ONLY
	62.39	62.50	580.80	0.00	12.00	0.00	774.40	1.71	15.49	0.16	1.55	SHOULDERS ONLY
	62.39	62.55	844.80	0.00	5.00	10.00	1,408.00	3.11	28.16	0.29	2.82	SHOULDERS ONLY
	62.57	62.64	369.60	0.00	12.00	12.00	985.60	2.18	19.71	0.20	1.97	SHOULDERS ONLY
	62.64	62.65	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	62.65	62.98	1,742.40	0.00	5.00	10.00	2,904.00	6.41	58.08	0.59	5.81	SHOULDERS ONLY
	62.98	62.70	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	62.70	63.04	1,795.20	0.00	5.00	10.00	2,992.00	6.61	59.84	0.61	5.98	SHOULDERS ONLY
	63.07	63.13	316.80	12.00	0.00	10.00	774.40	1.71	15.49	0.16	1.55	LEFT TURN
	63.13	63.14	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	63.14	63.21	369.60	0.00	5.00	10.00	616.00	1.36	12.32	0.13	1.23	SHOULDERS ONLY
	63.21	63.22	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	63.22	63.34	633.60	0.00	5.00	10.00	1,056.00	2.33	21.12	0.22	2.11	SHOULDERS ONLY
	63.34	63.35	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	63.35	63.49	739.20	0.00	5.00	10.00	1,232.00	2.72	24.64	0.25	2.46	SHOULDERS ONLY
	63.49	63.50	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	63.50	63.62	633.60	0.00	5.00	10.00	1,056.00	2.33	21.12	0.22	2.11	SHOULDERS ONLY
	63.63	63.79	844.80	0.00	12.00	12.00	2,252.80	4.98	45.06	0.46	4.51	SHOULDERS ONLY
	63.79	63.80	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	63.80	64.10	1,584.00	0.00	5.00	10.00	2,640.00	5.83	52.80	0.54	5.28	SHOULDERS ONLY
	64.10	64.11	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	64.11	64.20	475.20	0.00	5.00	10.00	792.00	1.75	15.84	0.16	1.58	SHOULDERS ONLY
	64.22	64.33	580.80	0.00	12.00	10.00	1,419.73	3.14	28.39	0.29	2.84	LEFT TURN
	64.33	64.34	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	64.34	64.41	369.60	0.00	5.00	10.00	616.00	1.36	12.32	0.13	1.23	SHOULDERS ONLY
	64.44	64.62	950.40	0.00	12.00	10.00	2,323.20	5.13	46.46	0.47	4.65	LEFT TURN
	64.62	64.63	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	64.63	64.75	633.60	0.00	5.00	10.00	1,056.00	2.33	21.12	0.22	2.11	SHOULDERS ONLY
	64.75	64.76	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	64.76	64.83	369.60	0.00	5.00	10.00	616.00	1.36	12.32	0.13	1.23	SHOULDERS ONLY
	64.83	64.84	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	64.84	64.99	792.00	0.00	5.00	10.00	1,320.00	2.92	26.40	0.27	2.64	SHOULDERS ONLY
	64.99	65.00	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	65.00	65.05	264.00	0.00	5.00	10.00	440.00	0.97	8.80	0.09	0.88	SHOULDERS ONLY
	65.08	65.22	739.20	0.00	12.00	10.00	1,806.93	3.99	36.14	0.37	3.61	LEFT TURN
	65.22	65.23	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	65.23	65.35	633.60	0.00	5.00	10.00	1,056.00	2.33	21.12	0.22	2.11	SHOULDERS ONLY
	65.35	65.36	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	65.36	65.68	1,689.60	0.00	5.00	10.00	2,816.00	6.22	56.32	0.57	5.63	SHOULDERS ONLY
	65.68	65.69	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
	65.69	65.89	1,056.00	0.00	5.00	10.00	1,760.00	3.89	35.20	0.36	3.52	SHOULDERS ONLY
	65.90	66.02	633.60	0.00	12.00	12.00	1,689.60	3.73	33.79	0.34	3.38	LEFT & RIGHT TURN
	66.02	66.13	580.80	0.00	12.00	12.00	1,548.80	3.42	30.98	0.32	3.10	LEFT & RIGHT TURN
	66.14	66.26	633.60	0.00	12.00	12.00	1,689.60	3.73	33.79	0.34	3.38	LEFT & RIGHT TURN
	66.26	66.96	3,696.00	0.00	5.00	10.00	6,160.00	13.61	123.20	1.26	12.32	SHOULDERS ONLY
	66.97	67.09	633.60	0.00	12.00	10.00	1,548.80	3.42	30.98	0.32	3.10	LEFT TURN
	67.09	67.82	3,854.40	0.00	5.00	10.00	6,424.00	14.19	128.48	1.31	12.85	SHOULDERS ONLY
							SUB TOTAL Q-7	121.49	1,100.12	11.25	110.00	

SUMMARY OF QUANTITIES
Q-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 | TIME PLOTTED => 10:37

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	34	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 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.

ASPHALT-RUBBER SEAL COAT

DIRECTION		TRAVELED WAY LENGTH	TRAVELED WAY WIDTH	SHOULDER WIDTH LF (N)		MEDIAN AREA	ASPHALT-RUBBER BINDER	PRECOATED SCREENINGS	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER (SEAL)	REMARKS
NB/SB	POSTMILE	LF (N)	LF (N)	LEFT	RIGHT	SQYD (N)	TON	TON	TON	TON	
86	43.20	162.00	45.00	0.00	0.00	810.00	0.21	1.80	0.02	0.18	
	43.57	176.00	44.00	0.00	0.00	860.44	0.22	1.91	0.02	0.19	ROUTE 78, LT (TO JULLAN)
	44.11	174.00	52.00	0.00	0.00	1,005.33	0.26	2.23	0.03	0.22	
	46.22	169.00	46.00	0.00	0.00	863.78	0.22	1.92	0.02	0.19	THREE CLAY RANCH Rd
	47.62	125.00	43.00	0.00	0.00	597.22	0.15	1.33	0.02	0.13	SANDY BCH\NAVY BASE Rd
	50.19	157.00	49.00	0.00	0.00	854.78	0.22	1.90	0.02	0.19	ACCESS Rd No. 5
	51.32	151.00	49.00	0.00	0.00	822.11	0.21	1.83	0.02	0.18	
	52.62	131.00	44.00	0.00	0.00	640.44	0.17	1.42	0.02	0.14	
	53.15	121.00	41.00	0.00	0.00	551.22	0.14	1.22	0.01	0.12	SALTON CITY DUMP Rd LT
	53.90	171.00	45.00	0.00	0.00	855.00	0.22	1.90	0.02	0.19	SALTON Dr
	54.13	152.00	43.00	0.00	0.00	726.22	0.19	1.61	0.02	0.16	ACCESS Rd RT
	55.25	159.00	45.00	0.00	0.00	795.00	0.21	1.77	0.02	0.18	HARVARD Ave F
	56.12	131.00	45.00	0.00	0.00	655.00	0.17	1.46	0.02	0.15	SOUTH MARIN Dr
	56.94	134.00	44.00	0.00	0.00	655.11	0.17	1.46	0.02	0.15	SUNRISE DR F
	58.04	165.00	54.00	0.00	0.00	990.00	0.26	2.20	0.03	0.22	N MARIAN Dr F
	58.39	156.00	44.00	0.00	0.00	762.67	0.20	1.69	0.02	0.17	
	60.03	166.00	46.00	0.00	0.00	848.44	0.22	1.89	0.02	0.19	TREADWELL Blvd F
	61.09	156.00	47.00	0.00	0.00	814.67	0.21	1.81	0.02	0.18	SEA OASIS Blvd
	62.37	134.00	46.00	0.00	0.00	684.89	0.18	1.52	0.02	0.15	NURSERY Blvd
	62.55	129.00	44.00	0.00	0.00	630.67	0.16	1.40	0.02	0.14	ACCESS Rd #2 LT
	63.06	133.00	44.00	0.00	0.00	650.22	0.17	1.44	0.02	0.14	ACCESS Rd # 3 RT/LT
	63.63	134.00	47.00	0.00	0.00	699.78	0.18	1.56	0.02	0.16	BRAWLEY Ave (SALTON SEA BEACH)
	64.22	124.00	45.00	0.00	0.00	620.00	0.16	1.38	0.02	0.14	ACCESS Rd # 4 RT/LT
	64.43	125.00	50.00	0.00	0.00	694.44	0.18	1.54	0.02	0.15	ACCESS Rd # 5 RT/LT
	65.07	128.00	41.00	0.00	0.00	583.11	0.15	1.30	0.02	0.13	COOLIDGE SPRINGS Rd F
	65.90	144.00	45.00	0.00	0.00	720.00	0.19	1.60	0.02	0.16	MONTEREY Ave RT/LT
	66.13	144.00	49.00	0.00	0.00	784.00	0.20	1.74	0.02	0.17	DESERT SHORES Dr RT/LT
	66.97	124.00	46.00	0.00	0.00	633.78	0.16	1.41	0.02	0.14	COOLIDGE SPRINGS Rd
						MEDIAN AREA	5.38	46.24	0.57	4.61	
						INTERSECTION AREA	6.27	53.93	0.55	5.46	
						TOTAL	11.65	100.17	1.02	10.07	

ASPHALT-RUBBER SEAL COAT

DIRECTION		TRAVELED WAY LENGTH	TRAVELED WAY WIDTH	SHOULDER WIDTH LF (N)		AREA	ASPHALT-RUBBER BINDER	PRECOATED SCREENINGS	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER (SEAL)	REMARKS
SB		LF (N)	LF (N)	LEFT	RIGHT	SQYD (N)	TON	TON	TON	TON	
86	SUB TOTAL Q-5						616.86	5,585.45	57.02	558.53	
	SUB TOTAL Q-6						181.41	1,642.55	16.75	164.24	
	SUB TOTAL Q-7						121.49	1,100.12	11.25	110.00	
	MEDIAN AREA						5.38	46.24	0.57	4.61	
	INTERSECTIONS AREA						6.27	53.93	0.55	5.46	
	RUMBLE STRIP								10.25		
	*TOTAL						931.41	8,428.29	96.39	842.84	

* SB TOTAL. SEE Q-4 FOR NB TOTAL.

SHOULDER RUMBLE STRIP (HMA, GROUND -IN INDENTATIONS)

ROUTE	DIRECTION	POSTMILE		LENGTH
		BEGIN	END	STA
86	NB	43.10	67.82	2,242
	SB	43.10	67.82	2,278
			TOTAL	4,520

SUMMARY OF QUANTITIES
Q-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE

FUNCTIONAL SUPERVISOR: ALBERTO GAYON
CALCULATED-DESIGNED BY: EYERUSALEM TADESSE
CHECKED BY: MIGUEL H. VASQUEZ
REVISED BY
DATE REVISED

LAST REVISION 03-12-15
DATE PLOTTED => 13-AUG-2015
TIME PLOTTED => 10:37

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	35	47

REGISTERED CIVIL ENGINEER 03-04-15 DATE

03-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MIGUEL H. VASQUEZ No. C56329 Exp. 12-31-16 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.

INDIVIDUAL SLAB REPLACEMENT

ROUTE	DIRECTION	PM	LANE NUMBER	NUMBER OF SLABS TO BE REPLACED (N)	AVERAGE LENGTH LF (N)	WIDTH LF (N)	DEPTH LF (N)	INDIVIDUAL SLAB REPLACEMENT (RSC) CY	DEPTH LF (N)	(LCB) RAPID SETTING CY	DOWEL BAR (DRILL & BOND) EA	JOINT SEAL (SILICONE) LF
86	SB	57.08	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		57.34	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		57.57	2	2	14	12	0.75	9.30	0.50	6.20	16	64
		57.59	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		57.72	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		57.80	2	4	14	12	0.75	18.70	0.50	12.40	16	116
		57.94	1	1	14	12	0.75	4.70	0.50	3.10	16	38
		58.00	1	1	14	12	0.75	4.70	0.50	3.10	16	38
		58.06	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		58.09	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		58.17	2	3	14	12	0.75	14.00	0.50	9.30	16	90
		58.18	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		58.28	2	2	14	12	0.75	9.30	0.50	6.20	16	64
		58.55	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		59.04	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		59.18	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		59.19	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		60.45	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		61.24	1	1	14	12	0.75	4.70	0.50	3.10	16	38
		61.24	2	2	14	12	0.75	9.30	0.50	6.20	16	64
		61.38	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		61.69	1	1	14	12	0.75	4.70	0.50	3.10	16	38
		61.69	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		62.96	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		63.39	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		63.51	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		63.53	2	2	14	12	0.75	9.30	0.50	6.20	16	64
		63.80	2	2	14	12	0.75	9.30	0.50	6.20	16	64
		64.27	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		64.27	1	1	14	12	0.75	4.70	0.50	3.10	16	38
		64.60	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		64.72	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		64.81	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		65.00	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		65.24	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		65.58	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		65.66	2	2	14	12	0.75	9.30	0.50	6.20	16	64
		65.66	1	2	14	12	0.75	9.30	0.50	6.20	16	64
		65.67	1	1	14	12	0.75	4.70	0.50	3.10	16	38
		65.69	2	2	14	12	0.75	9.30	0.50	6.20	16	64
		65.70	2	3	14	12	0.75	14.00	0.50	9.30	16	90
		65.72	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		65.73	1	2	14	12	0.75	9.30	0.50	6.20	16	64
		65.73	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		65.74	1	1	14	12	0.75	4.70	0.50	3.10	16	38
		65.74	1	1	14	12	0.75	4.70	0.50	3.10	16	38
		65.75	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		65.75	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		66.35	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		67.17	2	1	14	12	0.75	4.70	0.50	3.10	16	38
		67.44	2	2	14	12	0.75	9.30	0.50	6.20	16	64
			TOTAL	68				318.30		210.80	816	2,380

NOTES:

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.
(RSC) RAPID STRENGTH CONCRETE
(LCB) LEAN CONCRETE BASE

SUMMARY OF QUANTITIES
Q-9

REVISED BY | DATE REVISED
EYERUSALEM TADESSE | MIGUEL H. VASQUEZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | ALBERTO GAYON
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE

LAST REVISION 03-12-15 | DATE PLOTTED => 13-AUG-2015 | TIME PLOTTED => 10:37

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
ℙ,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
11	Imp	86	43.1/67.8	36	47

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

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TO ACCOMPANY PLANS DATED 03-09-15

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
11	Imp	86	43.1/67.8	37	47

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

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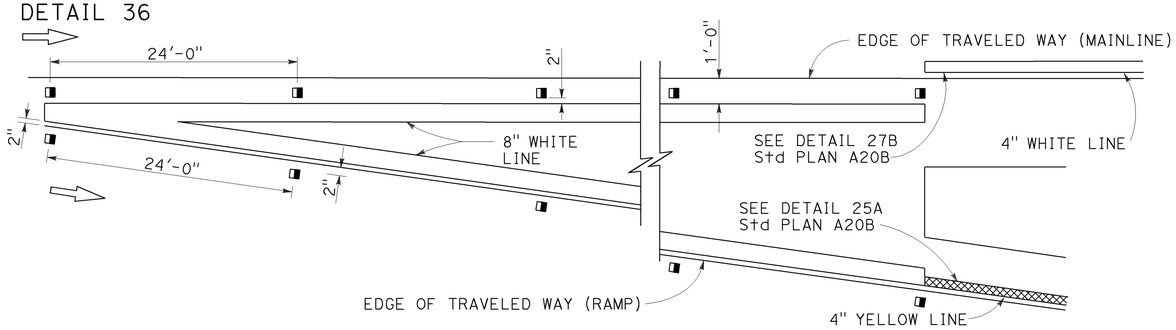
TO ACCOMPANY PLANS DATED 03-09-15

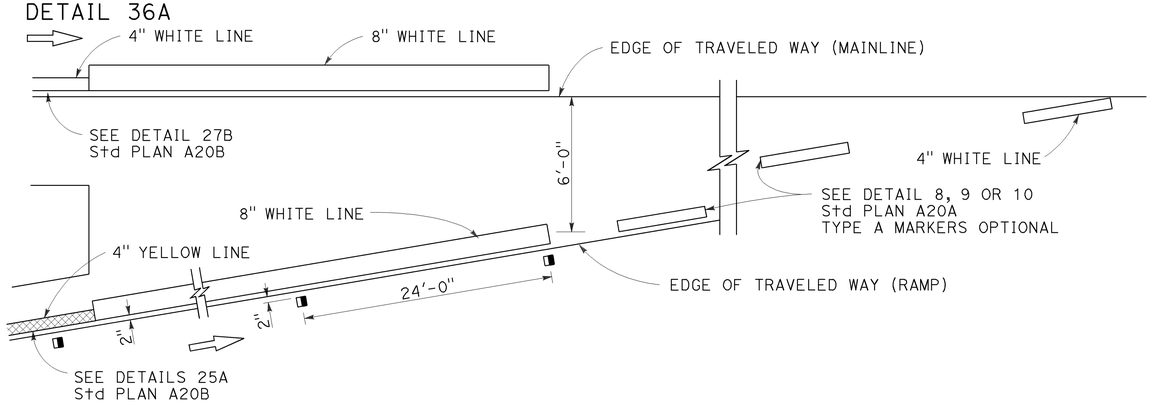
EXIT RAMP NEUTRAL AREA (GORE) TREATMENT

DETAIL 36



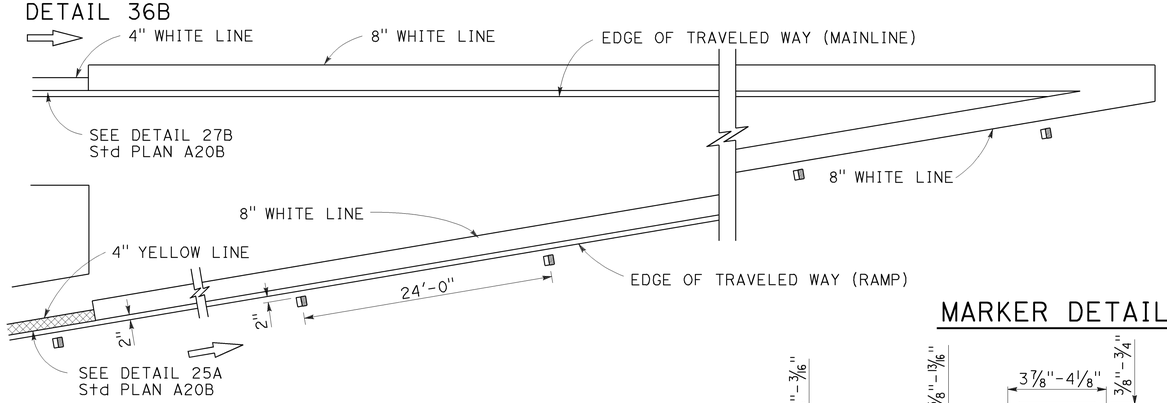
ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT

DETAIL 36A



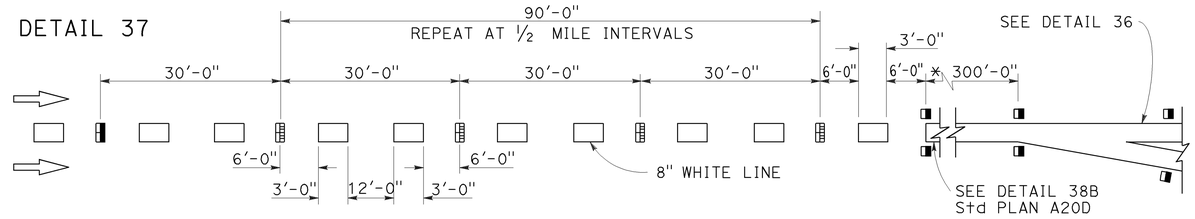
ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT

DETAIL 36B

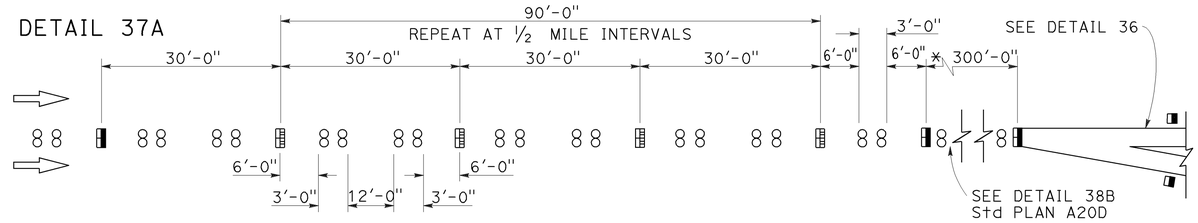


LANE DROP AT EXIT RAMPS

DETAIL 37



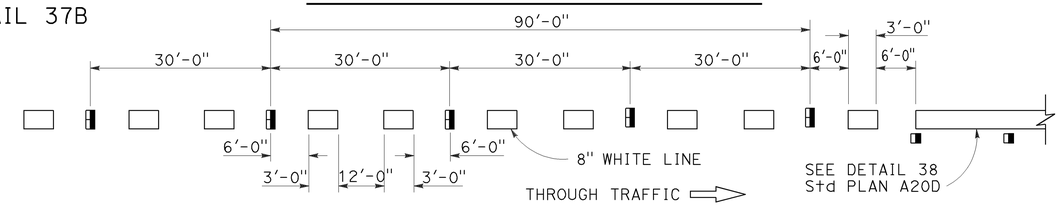
DETAIL 37A



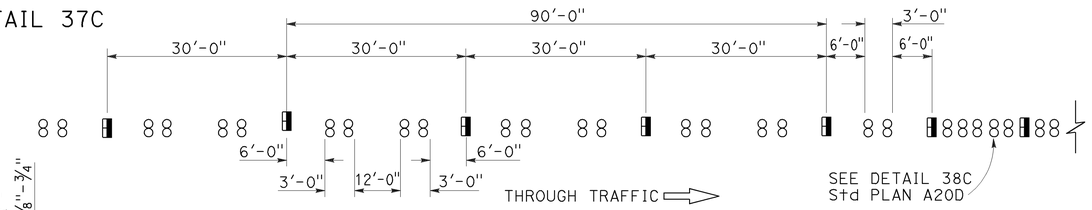
* The solid channelizing line shown may be omitted on short auxiliary lanes where weaving length is critical.

LANE DROP AT INTERSECTIONS

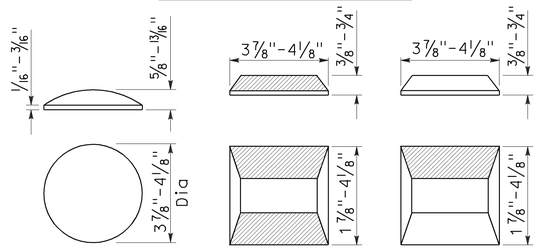
DETAIL 37B



DETAIL 37C



MARKER DETAILS



RETROREFLECTIVE FACE

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
11	Imp	86	43.1/67.8	38	47

REGISTERED CIVIL ENGINEER

April 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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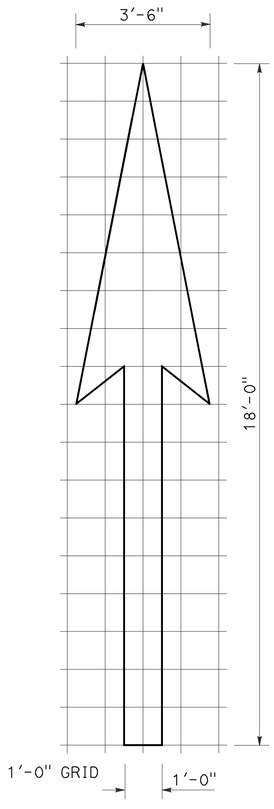
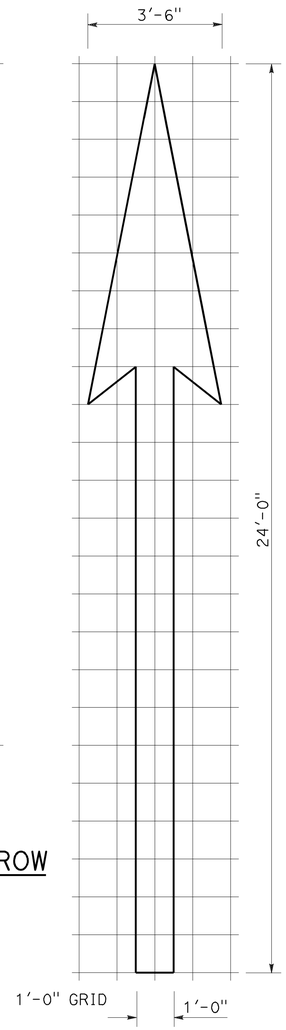
TO ACCOMPANY PLANS DATED 03-09-15



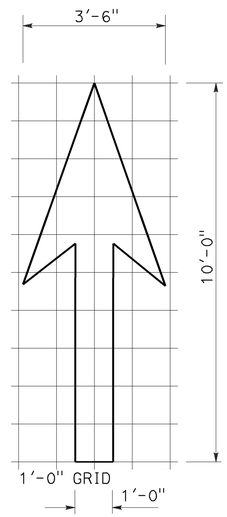
A=25 ft^2

TYPE I 18'-0" ARROW



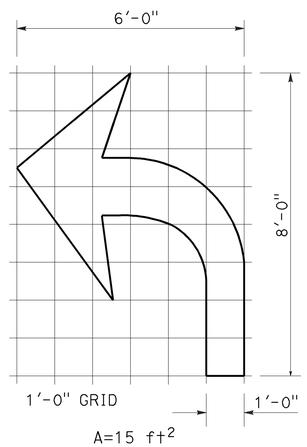
A=31 ft^2

TYPE I 24'-0" ARROW



A=14 ft^2

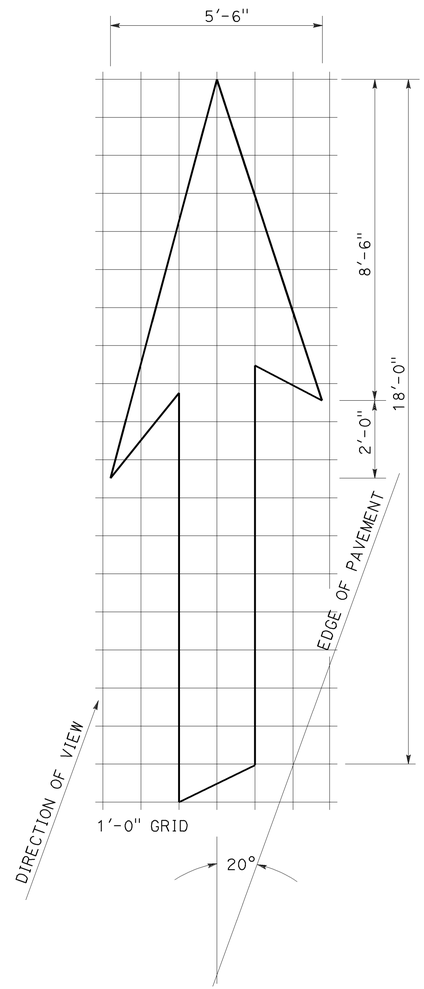
TYPE I 10'-0" ARROW



A=15 ft^2

TYPE IV (L) ARROW

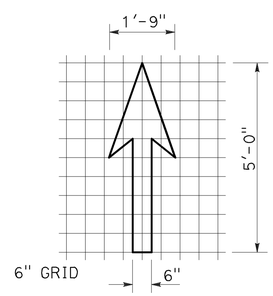
(For Type IV (R) arrow, use mirror image)



A=42 ft^2

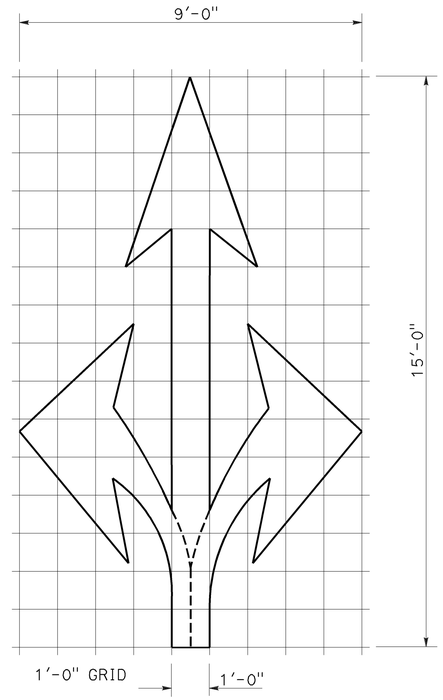
TYPE VI ARROW

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



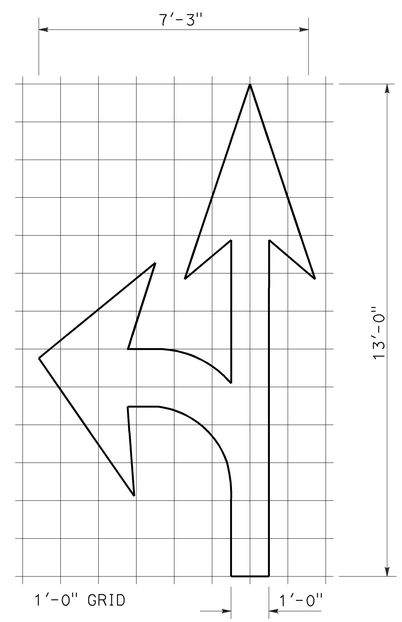
A=3.5 ft^2

BIKE LANE ARROW



A=36 ft^2

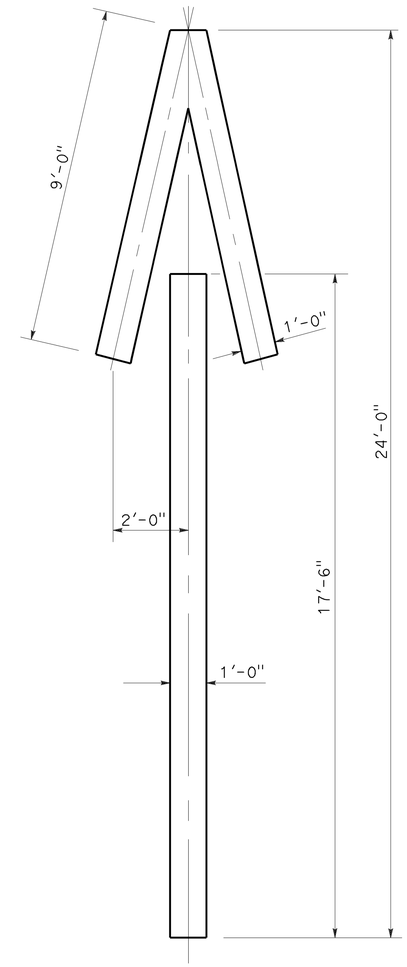
TYPE VIII ARROW



A=27 ft^2

TYPE VII (L) ARROW

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



A=33 ft^2

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

2010 REVISED STANDARD PLAN RSP A24A

3-14-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	39	47

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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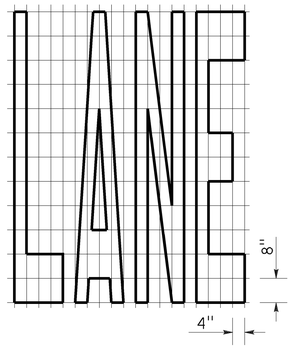
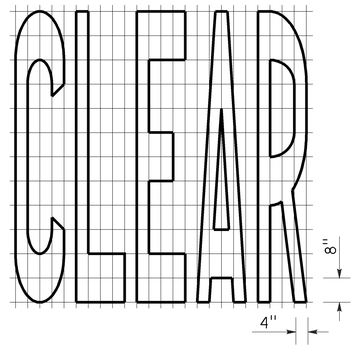
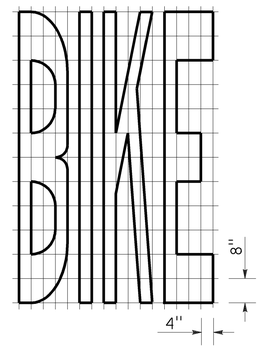
TO ACCOMPANY PLANS DATED 03-09-15



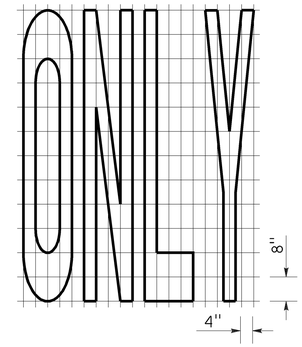
A=24 ft^2



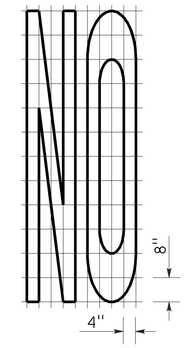
A=27 ft^2



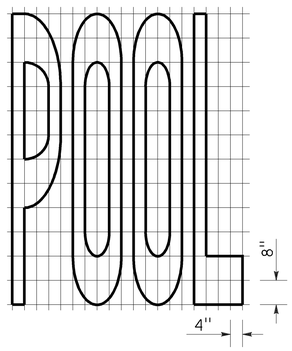
A=21 ft^2



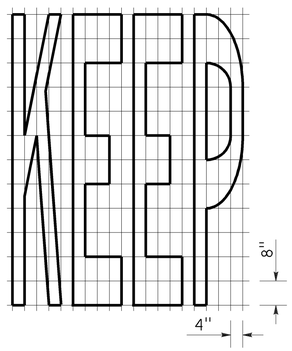
A=22 ft^2



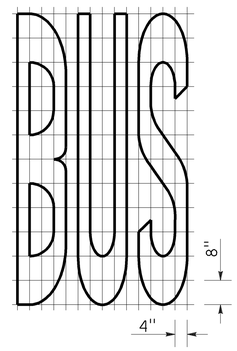
A=14 ft^2



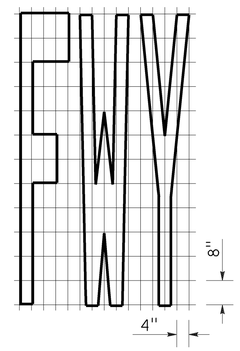
A=23 ft^2



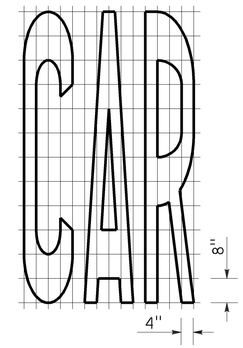
A=24 ft^2



A=20 ft^2

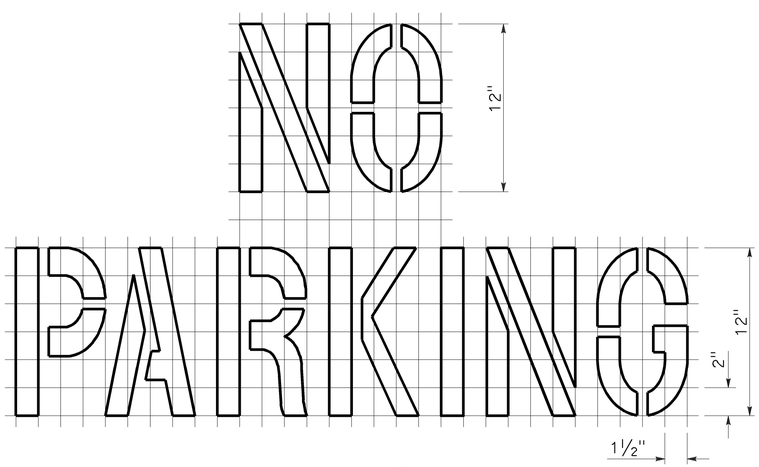


A=16 ft^2

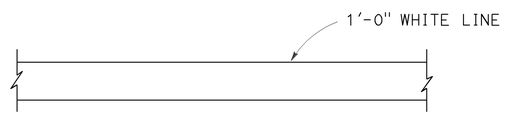


A=17 ft^2

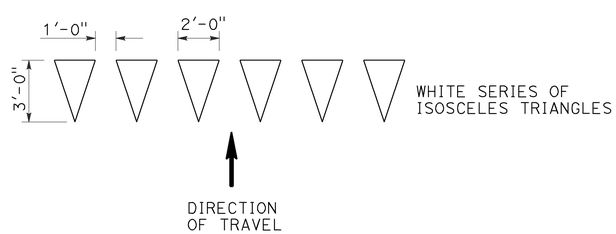
WORD MARKINGS			
ITEM	ft^2	ITEM	ft^2
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



A=2 ft^2
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
11	Imp	86	43.1/67.8	40	47

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER William K. Farnbach No. C49042 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

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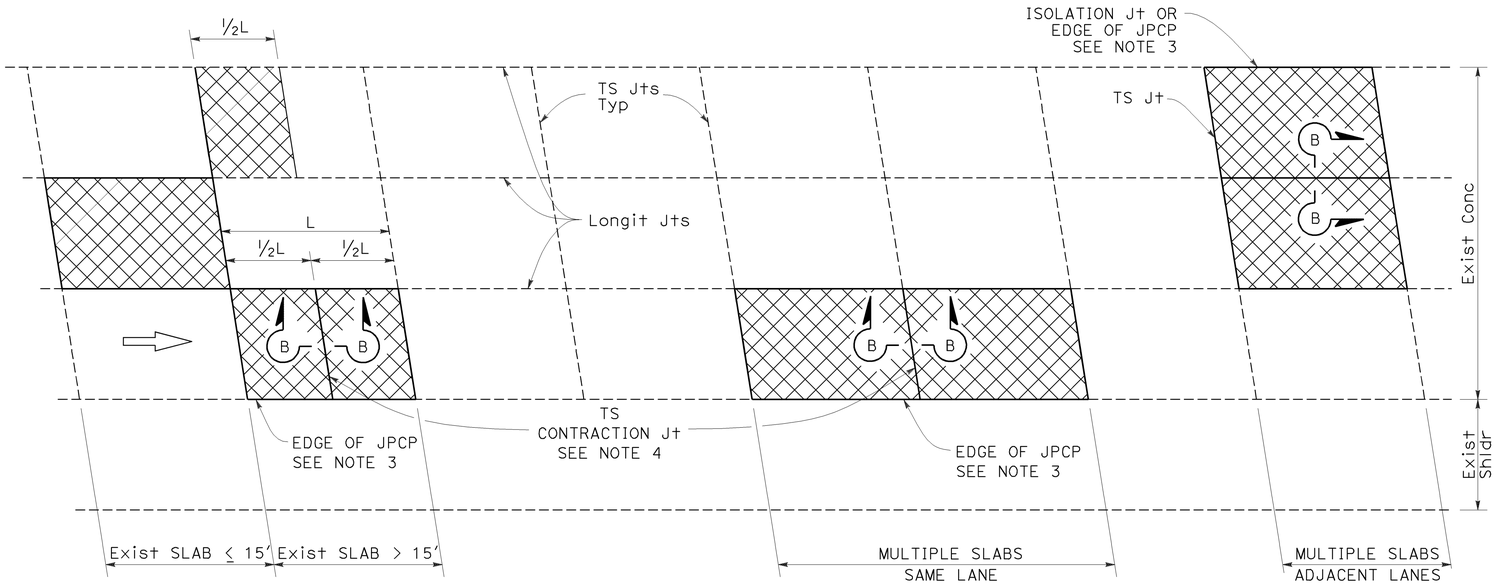
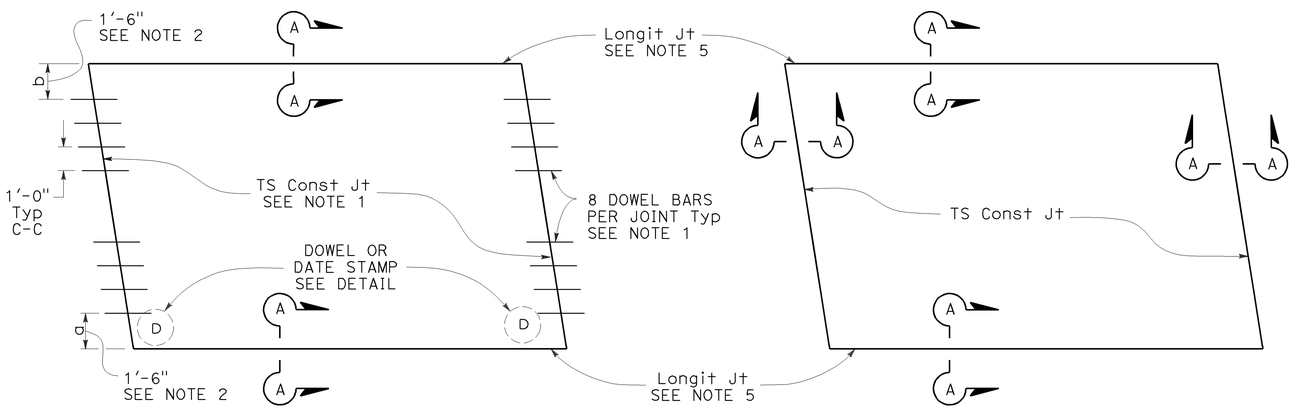
TO ACCOMPANY PLANS DATED 03-09-15



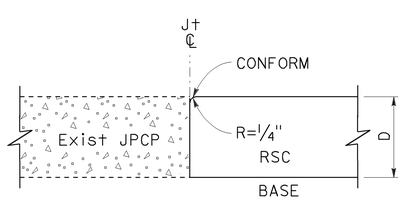
PLAN



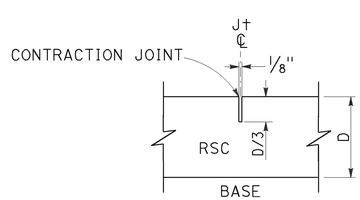
TYPE I
See Design Note 1

TYPE II
See Design Note 2

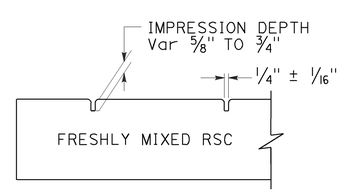
SLAB LAYOUT



SECTION A-A



SECTION B-B



SECTION C-C

LEGEND:

RSC RAPID STRENGTH CONCRETE

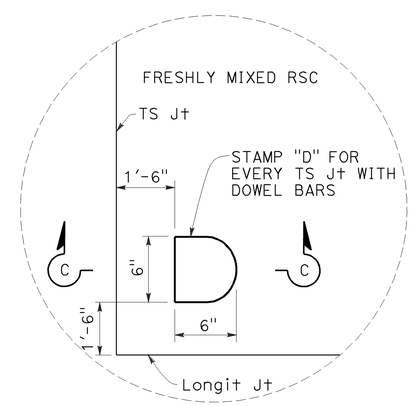
INDIVIDUAL SLAB REPLACEMENT WITH RSC

NOTES:

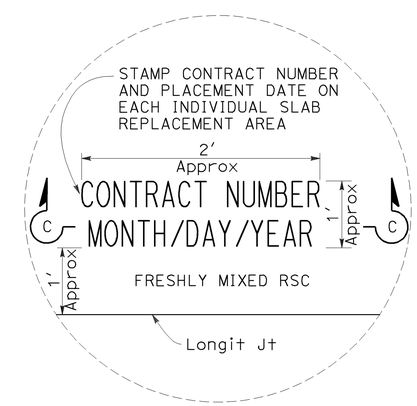
1. For details not shown, see Revised Standard Plan RSP P10.
2. Where the existing outside shoulder is asphalt concrete pavement, "a" = 1'-0" and "b" = 2'-0".
3. Use side forms where edge of RSC pavement is adjacent to asphalt concrete.
4. Transverse contraction joint to match skew of existing joint. Omit dowel bars.
5. Do not place tie bars at longitudinal joints.

DESIGN NOTES:

1. For concrete slab repair with at least 5 years design life.
2. For short term repairs < 5 yrs design life or for slab replacements with cracking and seating.



DOWEL STAMP DETAIL



DATE STAMP DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

INDIVIDUAL SLAB REPLACEMENT WITH RAPID STRENGTH CONCRETE

NO SCALE

RSP P8 DATED JULY 19, 2013 SUPERSEDES RSP P8 DATED APRIL 20, 2012 AND STANDARD PLAN P8 DATED MAY 20, 2011 - PAGE 130 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P8

2010 REVISED STANDARD PLAN RSP P8

5-31-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	41	47

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER William K. Farnbach No. C49042 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

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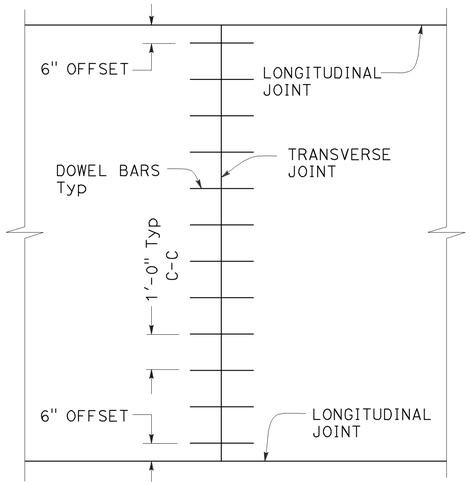
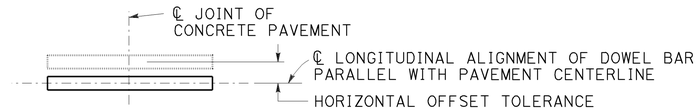
TO ACCOMPANY PLANS DATED 03-09-15

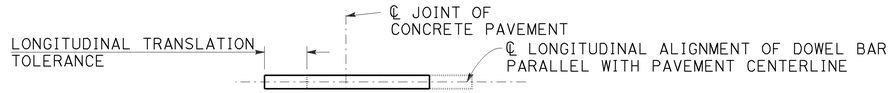


TRANSVERSE JOINT DOWEL BAR LAYOUT



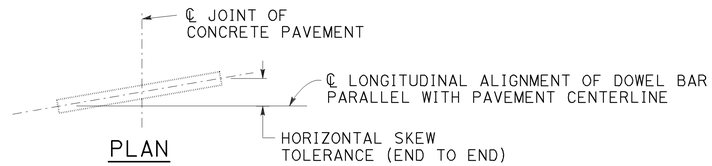
PLAN

HORIZONTAL OFFSET TOLERANCE



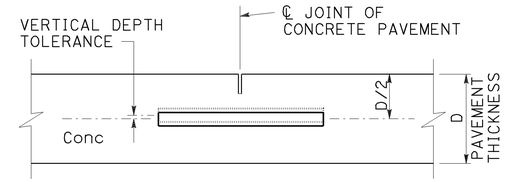
PLAN

LONGITUDINAL TRANSLATION TOLERANCE



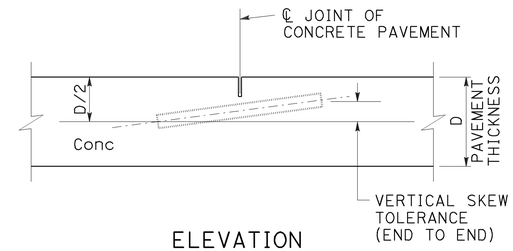
PLAN

HORIZONTAL SKEW TOLERANCE



ELEVATION

VERTICAL DEPTH TOLERANCE

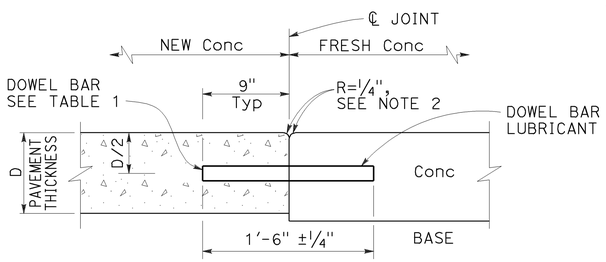


ELEVATION

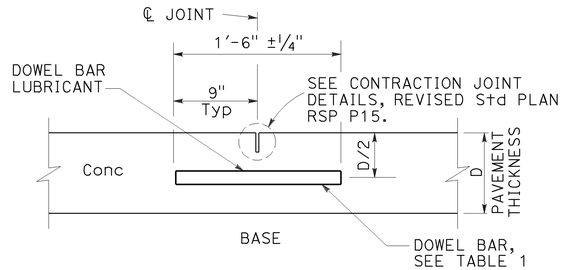
VERTICAL SKEW TOLERANCE

NOTES:

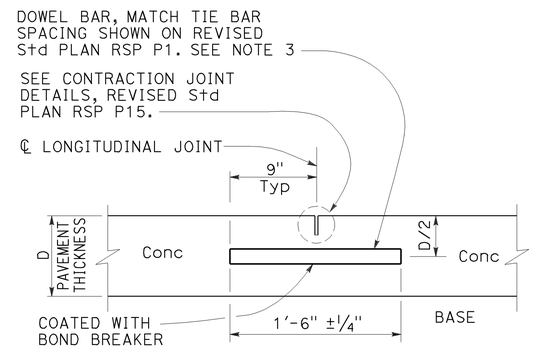
1. See Revised Standard Plan RSP P1 for typical dowel bar placement and locations.
2. Where fresh concrete pavement is placed against new concrete or existing concrete pavement, rounding the corner of the existing concrete pavement is not required.
3. May also use ¾" Dia dowel bars 2'-4" ± ¼" in length. Center the length of dowel bars at the centerline of longitudinal joint.



TRANSVERSE CONSTRUCTION JOINT DETAIL



TRANSVERSE CONTRACTION JOINT



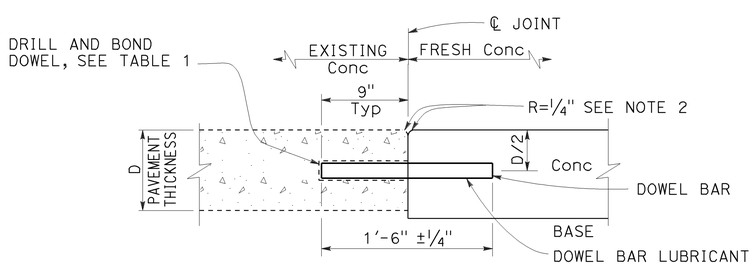
LONGITUDINAL CONTRACTION JOINT WITH DOWEL BARS

See Revised Std Plan RSP P18

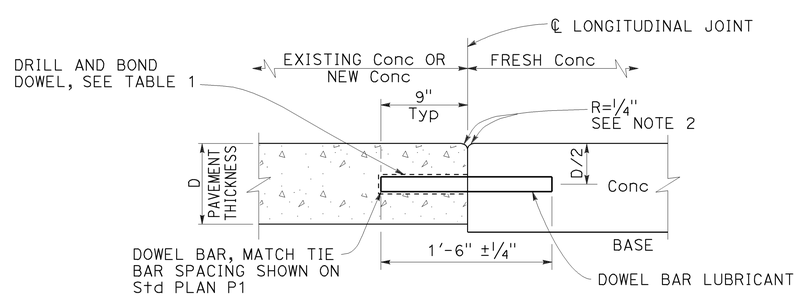
TABLE 1

DOWEL BAR DIAMETER TABLE			
PAVEMENT THICKNESS	0.65'	> 0.65' - 0.85'	> 0.85'
MINIMUM DOWEL * BAR DIAMETER	1"	1¼"	1½"

* The drilled hole diameter must be ⅛" to 3/16" larger than the bar diameter.



TRANSVERSE CONSTRUCTION JOINT FOR EXISTING CONCRETE PAVEMENT



LONGITUDINAL CONSTRUCTION JOINT WITH DOWEL BARS

See Revised Std Plan RSP P18

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT DOWEL BAR DETAILS

NO SCALE

RSP P10 DATED JULY 19, 2013 SUPERSEDES RSP P10 DATED APRIL 20, 2012 AND STANDARD PLAN P10 DATED MAY 20, 2011 - PAGE 131 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P10

2010 REVISED STANDARD PLAN RSP P10

5-31-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	42	47

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
William K. Farnbach
No. C49042
Exp. 9-30-14
CIVIL
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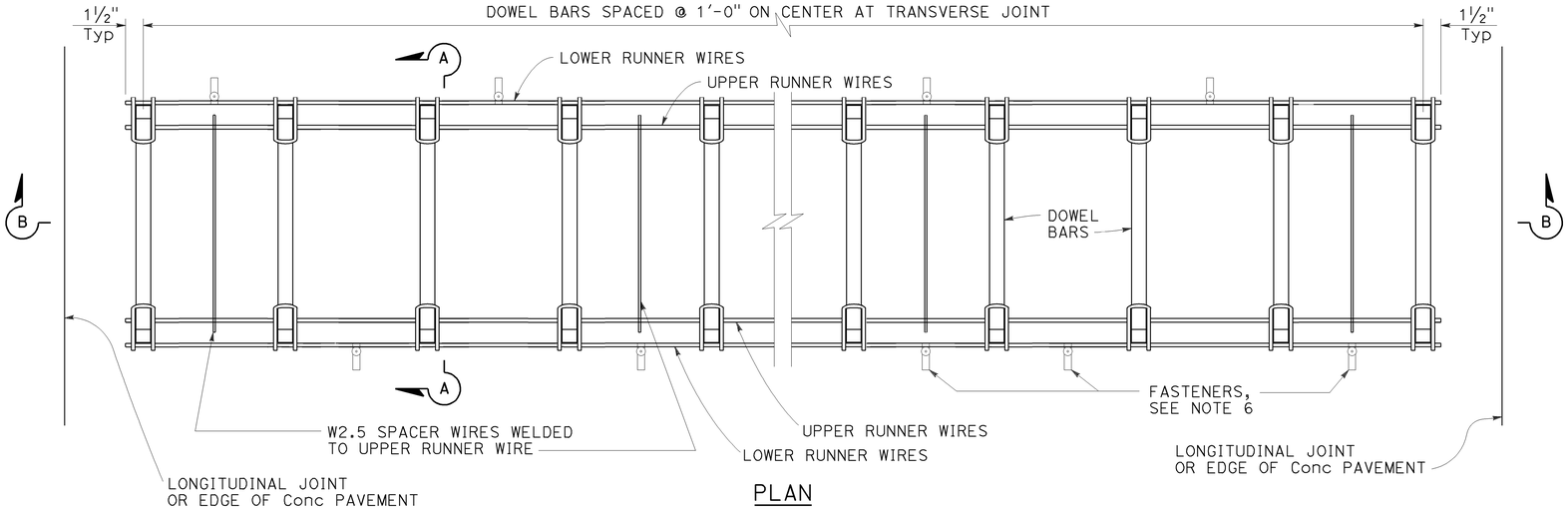
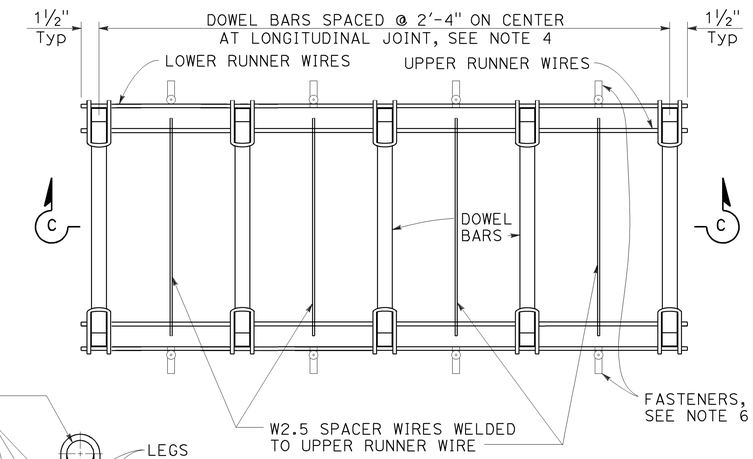
TO ACCOMPANY PLANS DATED 03-09-15



PLAN

DOWEL BAR BASKET (TRANSVERSE JOINT)

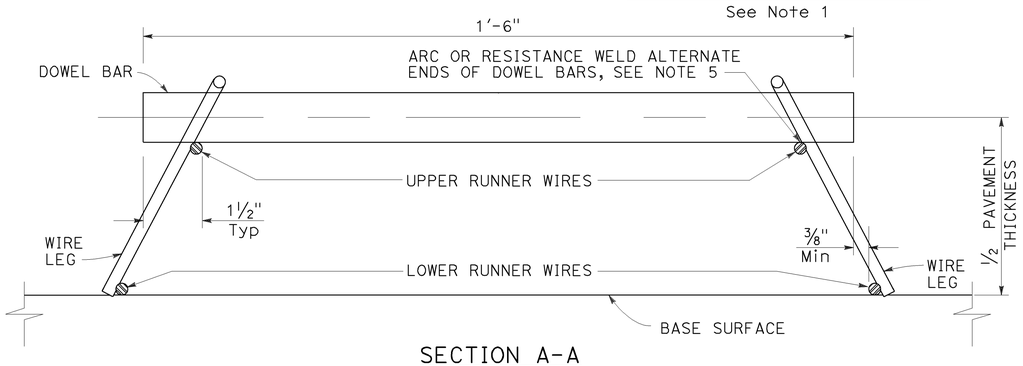
See Note 1



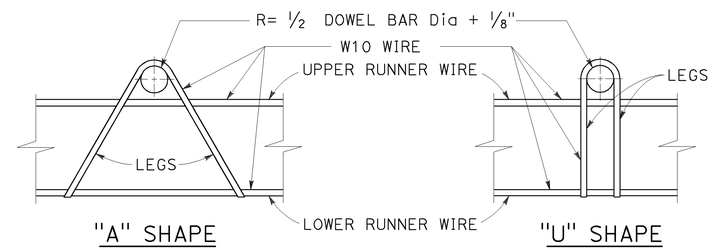
PLAN

DOWEL BAR BASKET (LONGITUDINAL JOINT)

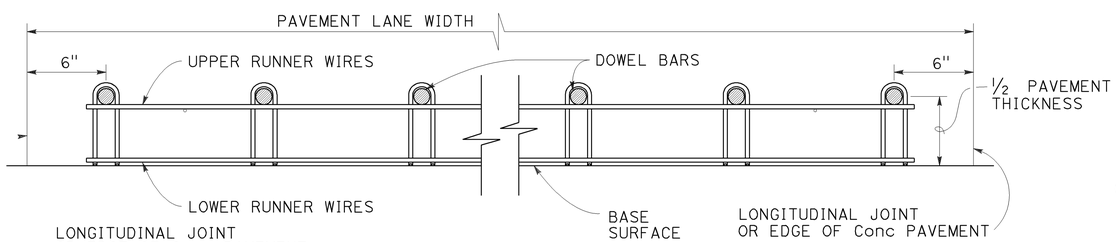
See Note 1



SECTION A-A

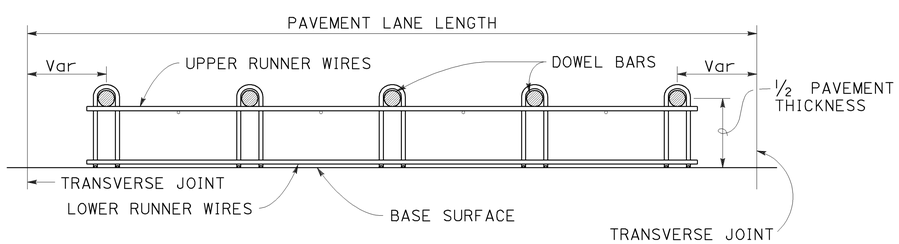


ASSEMBLY FRAME DETAILS



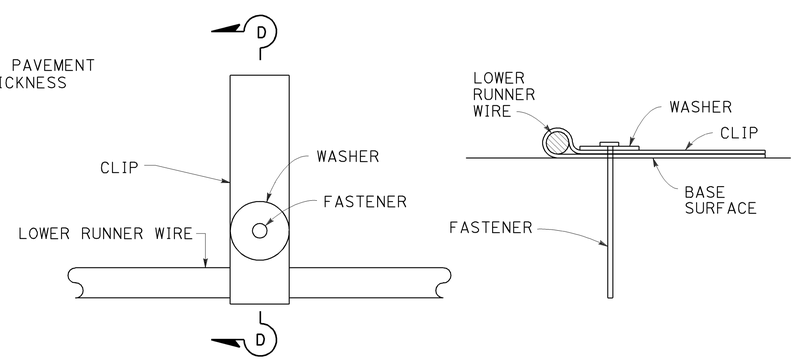
SECTION B-B

See Note 1



SECTION C-C

See Notes 1 and 4



PLAN

SECTION D-D

FASTENER DETAIL

See Note 6

NOTES:

1. "U" frame shape assembly shown. Use either "U" frame shape or "A" frame shape.
2. Wire sizes shown are the minimum required.
3. All wire intersections must be resistance welded.
4. Use tie bar spacing for longitudinal dowel bar locations. See Revised Standard Plans RSP P1, RSP P2, RSP P3A, and RSP P3B for tie bar requirements.
5. Weld may be at the top or bottom of the dowel bar.
6. Use anchor pins where soil or granular base is used. See Revised Standard Plan RSP P17 for Anchor Pin Detail.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT DOWEL BAR BASKET DETAILS

NO SCALE

RSP P12 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN P12 DATED MAY 20, 2011 - PAGE 132 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P12

2010 REVISED STANDARD PLAN RSP P12

5-31-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	43	47

William K. Farnbach
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
William K. Farnbach
No. C49042
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

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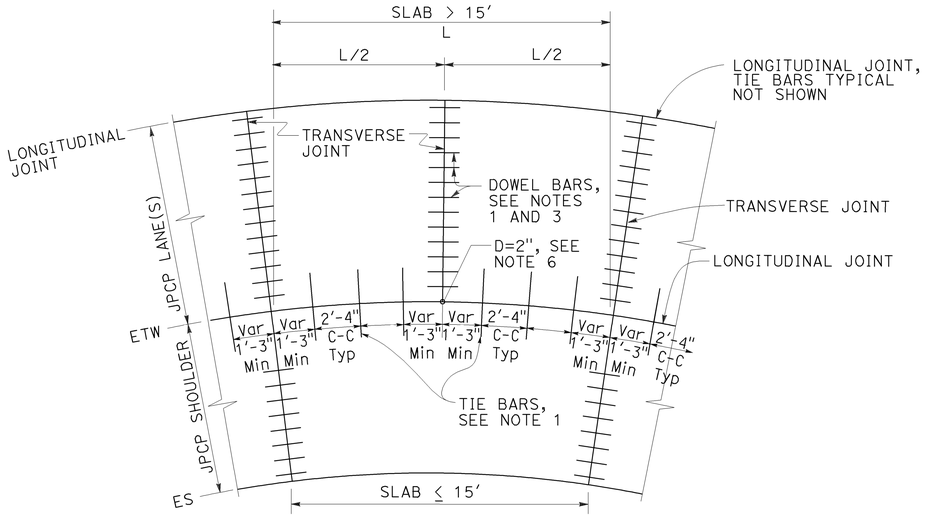
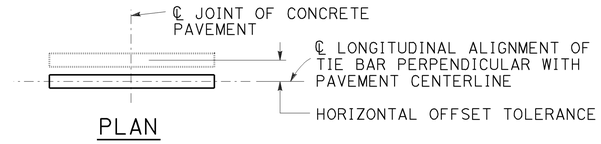
TO ACCOMPANY PLANS DATED 03-09-15

2010 REVISED STANDARD PLAN RSP P15

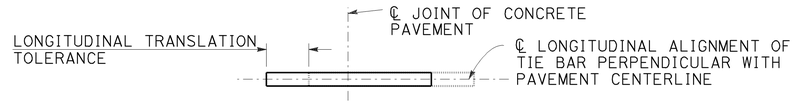


TIE BAR LAYOUT IN CURVED LANES



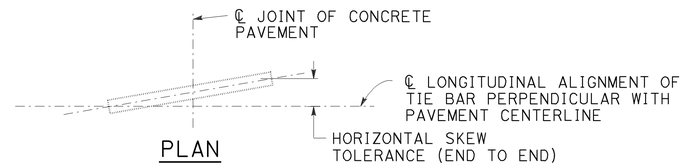
PLAN

HORIZONTAL OFFSET TOLERANCE



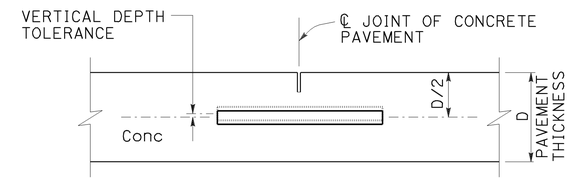
PLAN

LONGITUDINAL TRANSLATION TOLERANCE



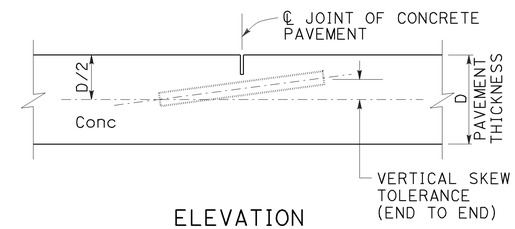
PLAN

HORIZONTAL SKEW TOLERANCE



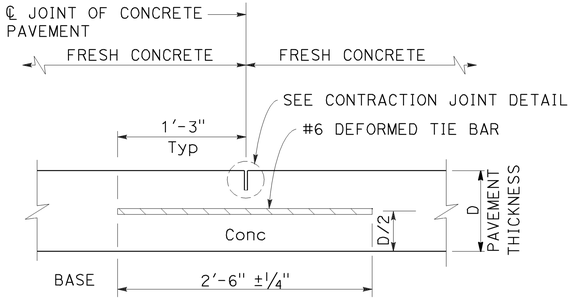
ELEVATION

VERTICAL DEPTH TOLERANCE

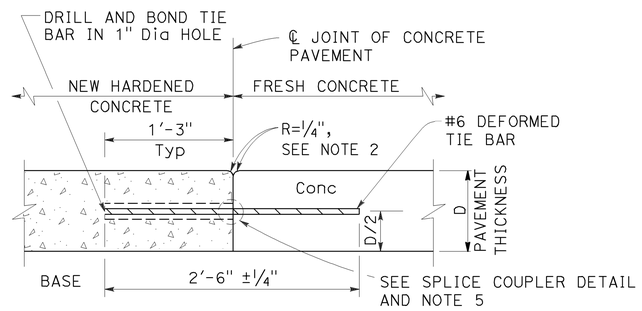


ELEVATION

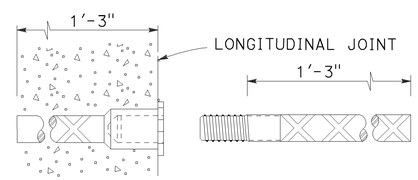
VERTICAL SKEW TOLERANCE



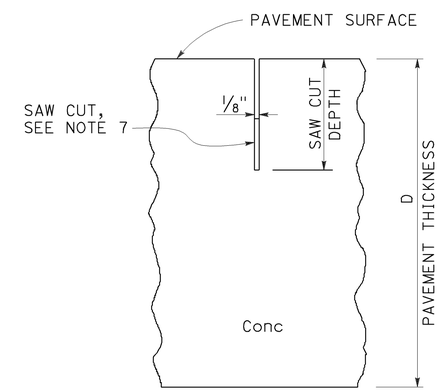
LONGITUDINAL CONTRACTION JOINT



LONGITUDINAL CONSTRUCTION JOINT



ALTERNATIVE SPLICE COUPLER



CONTRACTION JOINT DETAIL

NOTES:

1. See Revised Standard Plan RSP P1 for typical dowel bar and tie bar placement and locations.
2. Where new pavement is placed against existing concrete pavement, rounding the corner is not required.
3. For dowel bar sizes, See Revised Standard Plan RSP P10.
4. Tie bar details apply to inside widenings.
5. Use either drill and bond or splice couplers.
6. Full depth drilled hole. Fill hole with filler material.
7. The bottom of the saw cut must be at least 0.5" clear of any dowel bar, tie bar and bar reinforcement.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-TIE BAR DETAILS

NO SCALE

RSP P15 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P15

5-31-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	44	47

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REGISTERED CIVIL ENGINEER

July 19, 2013
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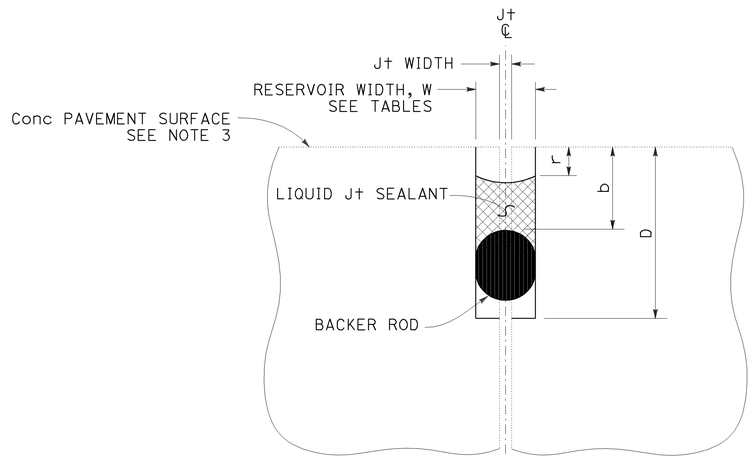
TO ACCOMPANY PLANS DATED 03-09-15

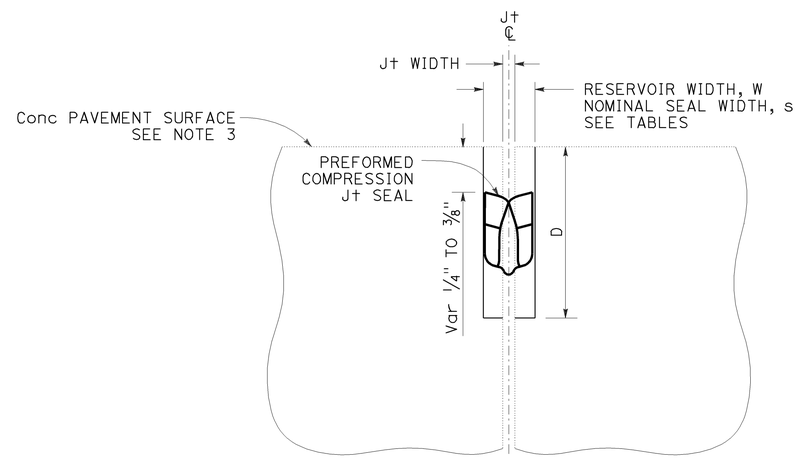
2010 REVISED STANDARD PLAN RSP P20

NOTES:

1. Details do not apply to isolation joints and longitudinal construction joints.
2. Tie bars, dowel bars, and bar reinforcement are not shown.
3. Depths are measured from the final concrete pavement surface elevation after any grinding.



LIQUID JOINT SEALANT



PREFORMED COMPRESSION JOINT SEAL

Const SEASON	Min RESERVOIR WIDTH * W ± 1/16"
WINTER	1/4"
SPRING	3/8"
SUMMER	3/8"
FALL	3/8"

* Minimum reservoir width for replace joint seal = existing joint width + 1/8"

RESERVOIR WIDTH W ±1/16"	LIQUID JOINT SEALANT DIMENSIONS					
	BACKER ROD NOMINAL Dia *	DEPTHS (ASPHALT RUBBER) **		DEPTHS (SILICONE)		
		RESERVOIR D ± 1/4"	BACKER ROD b ± 1/16"	RESERVOIR D ± 1/4"	BACKER ROD b ± 1/16"	RECESS r ± 1/16"
1/4"	3/8"	1 3/4"	7/8"	1 3/8"	1/2"	1/4"
3/8"	1/2"	1 7/8"	7/8"	1 1/2"	1/2"	1/4"
1/2"	3/4"	2"	7/8"	1 3/4"	9/16"	5/16"
5/8"	7/8"	2 1/4"	1"	2"	5/8"	5/16"
3/4"	1"	2 3/4"	1 1/8"	2 1/4"	3/4"	3/8"
7/8"	1 1/4"	3"	1 1/4"	2 1/2"	13/16"	3/8"
1"	1 1/2"	3 1/4"	1 3/8"	2 5/8"	7/8"	3/8"
1 1/8"	1 1/2"	3 1/2"	1 1/2"	2 13/16"	1"	1/2"

* Larger diameter backer rods may be substituted according to manufacturer recommendations if reservoir depth is increased equivalently.

** Asphalt rubber sealant recess depth "r" varies from 1/4" to 3/8"

RESERVOIR WIDTH W ±1/16"	PREFORMED COMPRESSION JOINT SEAL DIMENSIONS	
	NOMINAL SEAL WIDTH s	RESERVOIR DEPTH D ± 1/4"
1/4"	7/16"	1 1/4"
3/8"	11/16"	1 7/16"
1/2"	13/16"	1 11/16"
5/8"	1"	1 7/8"
3/4"	1 1/4"	2 1/8"
7/8"	1 5/8"	2 5/8"
1"	1 5/8"	2 5/8"
1 1/8"	2"	2 7/8"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINT SEALS

NO SCALE

RSP P20 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN P20
DATED MAY 20, 2011 - PAGE 136 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P20

6-17-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	Imp	86	43.1/67.8	45	47

REGISTERED CIVIL ENGINEER

July 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 03-09-15

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
11	Imp	86	43.1/67.8	46	47

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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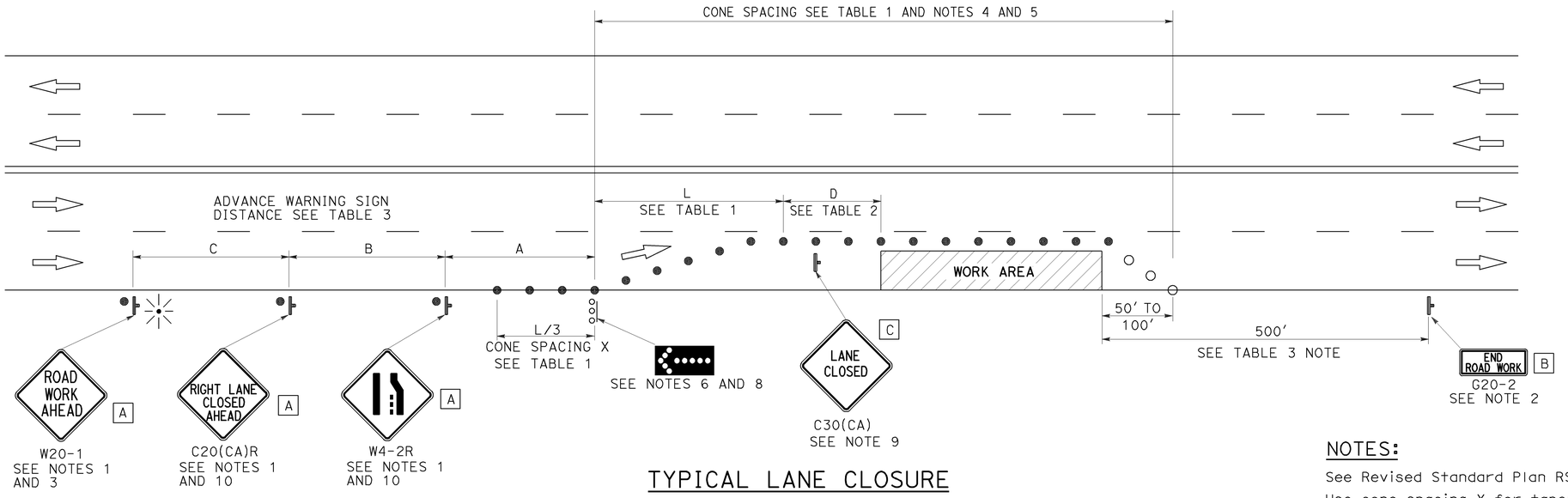
TO ACCOMPANY PLANS DATED 03-09-15



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
11	Imp	86	43.1/67.8	47	47

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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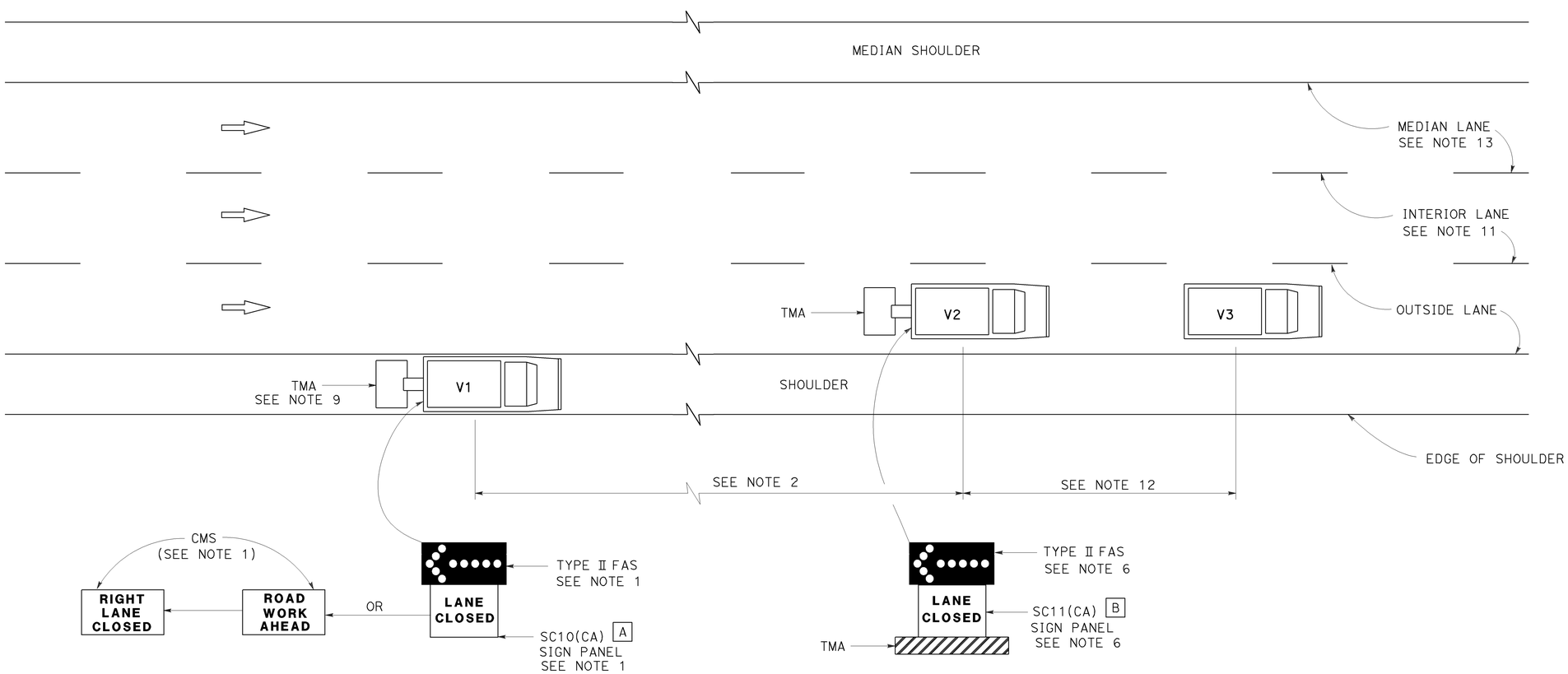
TO ACCOMPANY PLANS DATED 03-09-15

2010 REVISED STANDARD PLAN RSP T15



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

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

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

12-18-12