

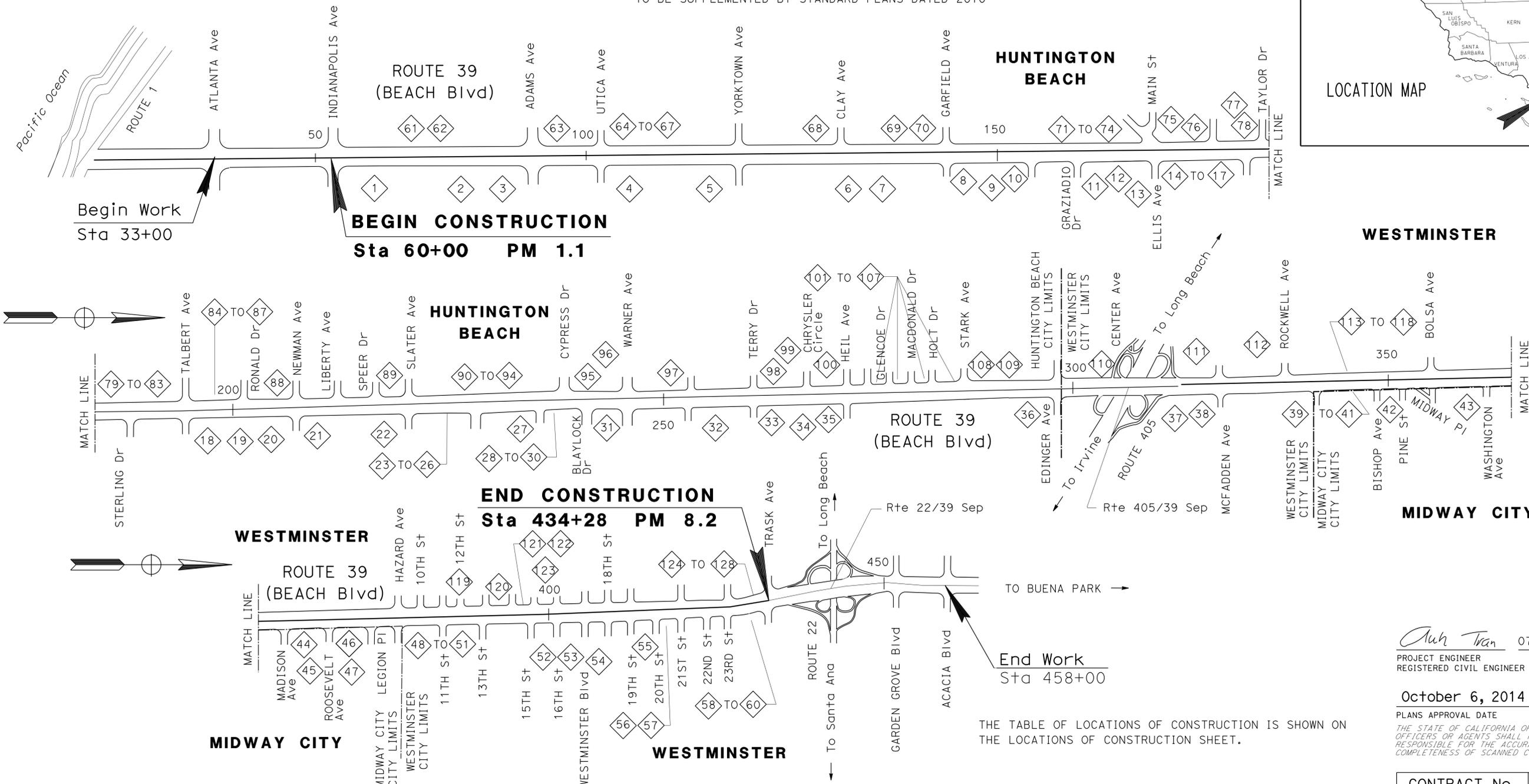
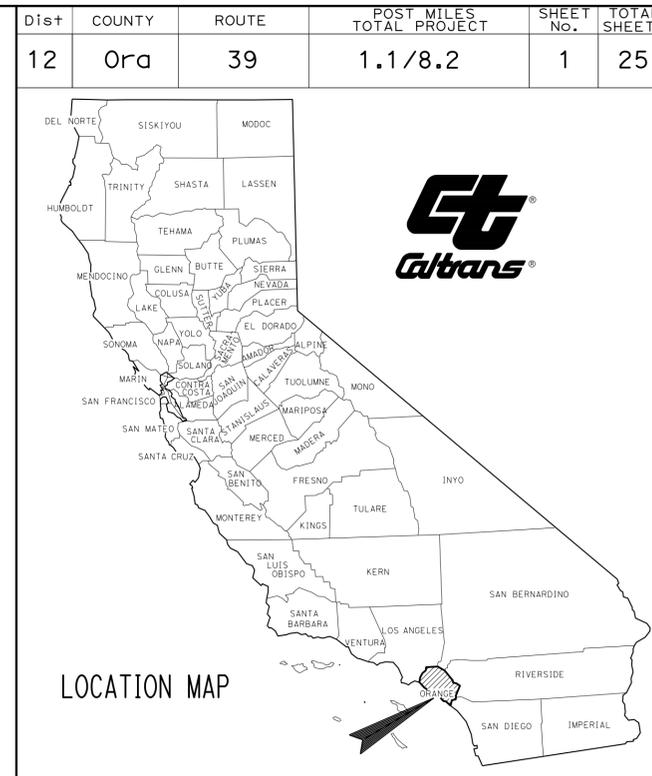
INDEX OF PLANS

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN ORANGE COUNTY
IN HUNTINGTON BEACH, MIDWAY CITY
AND WESTMINSTER
FROM INDIANAPOLIS AVENUE TO TRASK AVENUE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



PROJECT MANAGER MASSOUD TAJIK	DESIGN ENGINEER ANH TRAN
----------------------------------	-----------------------------

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

NO SCALE



USERNAME => s1111173
 DGN FILE => 1213000184cb001.dgn

UNIT 3064 PROJECT NUMBER & PHASE 1213000184

07-08-14
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
October 6, 2014
 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.	12-ON2404
PROJECT ID	1213000184

LAST REVISION 07-28-14
 TIME PLOTTED => 10:21
 DATE PLOTTED => 07-OCT-2014

DIRECTION	LOCATION	NEAREST STREET ADDRESS OR STREET NAME
NORTHBOUND	1	NE Corner of Indianapolis Ave & Beach Blvd
	2	20422 Beach Blvd
	3	20002 Beach Blvd
	4	19640 Beach Blvd
	5	19542 Beach Blvd
	6	19322 Beach Blvd
	7	19202 Beach Blvd
	8	18972 Beach Blvd
	9	18922 Beach Blvd
	10	18822 Beach Blvd
	11	18682 Beach Blvd
	12	18632 Beach Blvd
	13	18582 Beach Blvd
	14	18400 Beach Blvd
	15	18364 Beach Blvd
	16	18348 Beach Blvd
	17	18302 Beach Blvd
	18	17822 Beach Blvd
	19	17762 Beach Blvd
	20	17752 Beach Blvd
	21	17692 Beach Blvd
	22	17522 Beach Blvd
	23	17472 Beach Blvd
	24	17436 Beach Blvd
	25	17420 Beach Blvd
	26	17398 Beach Blvd
	27	17296 Beach Blvd
	28	17204 Beach Blvd
	29	17122 Beach Blvd
	30	SE Corner of Blaylock Dr & Beach Blvd

DIRECTION	LOCATION	NEAREST STREET ADDRESS OR STREET NAME
NORTHBOUND	31	17090 Beach Blvd
	32	16800 Beach Blvd
	33	16672 Beach Blvd
	34	16612 Beach Blvd
	35	16572 Beach Blvd
	36	16122 Beach Blvd
	37	North of NB Rte 405 On-Ramp
	38	15550 Beach Blvd
	39	15380 Beach Blvd
	40	15342 Beach Blvd
	41	15300 Beach Blvd
	42	15312 Beach Blvd
	43	14902 Beach Blvd
	44	14666 Beach Blvd
	45	14632 Beach Blvd
	46	NE Corner of Roosevelt Ave & Beach Blvd
	47	SE Corner of Legion Pl & Beach Blvd
	48	NE Corner of Hazard Ave & Beach Blvd
	49	14312 Beach Blvd
	50	14266 Beach Blvd
	51	14254 Beach Blvd
	52	14082 Beach Blvd
	53	14032 Beach Blvd
	54	13970 Beach Blvd
	55	13822 Beach Blvd
	56	NE Corner of 20th St & Beach Blvd
	57	13750 Beach Blvd
	58	NE Corner of 23rd St & Beach Blvd
	59	13600 Beach Blvd
	60	13590 Beach Blvd

DIRECTION	LOCATION	NEAREST STREET ADDRESS OR STREET NAME
SOUTHBOUND	61	20383 Beach Blvd
	62	20379 Beach Blvd
	63	19971 Beach Blvd
	64	19741 Beach Blvd
	65	19731 Beach Blvd
	66	19721 Beach Blvd
	67	19601 Beach Blvd
	68	19261 Beach Blvd
	69	19131 Beach Blvd
	70	19121 Beach Blvd
	71	18801 Beach Blvd
	72	18711 Beach Blvd
	73	18645 Beach Blvd
	74	18575 Beach Blvd
	75	18423 Beach Blvd
	76	18377 Beach Blvd
	77	18351 Beach Blvd
	78	18255 Beach Blvd
	79	18211 Beach Blvd
	80	18151 Beach Blvd
	81	18141 Beach Blvd
	82	18081 Beach Blvd
	83	18061 Beach Blvd
	84	17955 Beach Blvd
	85	17931 Beach Blvd
	86	17851 Beach Blvd
	87	17831 - 17845 Beach Blvd
	88	17781 Beach Blvd
	89	17555 Beach Blvd
	90	17401 Beach Blvd

DIRECTION	LOCATION	NEAREST STREET ADDRESS OR STREET NAME
SOUTHBOUND	91	17331 Beach Blvd
	92	17301 Beach Blvd
	93	17281 Beach Blvd
	94	17151 Beach Blvd
	95	17071 Beach Blvd
	96	17011 Beach Blvd
	97	16871 Beach Blvd
	98	16751 Beach Blvd
	99	SW Corner of Chrysler Circle & Beach Blvd
	100	16511 Beach Blvd
	101	16395 Beach Blvd
	102	SW Corner of Glencoe Dr & Beach Blvd
	103	16331 Beach Blvd
	104	16311 Beach Blvd
	105	16301 Beach Blvd
	106	16721 Beach Blvd
107	16191 Beach Blvd	
108	NW Corner of Stark Ave & Beach Blvd	
109	16111 Beach Blvd	
110	SW Corner of Center Ave & Beach Blvd	
111	15621 Beach Blvd	
112	15441 Beach Blvd	
113	15223 Beach Blvd	
114	15221 Beach Blvd	
115	15171 Beach Blvd	
116	15145 Beach Blvd	

DIRECTION	LOCATION	NEAREST STREET ADDRESS OR STREET NAME
SOUTHBOUND	117	15111 Beach Blvd
	118	15081 Beach Blvd
	119	14341 Beach Blvd
	120	14211 Beach Blvd
	121	14161 Beach Blvd
	122	14141 Beach Blvd
	123	14085 Beach Blvd
	124	13541 Beach Blvd
	125	13539 Beach Blvd
	126	13535 Beach Blvd
	127	15321 Beach Blvd
	128	15311 Beach Blvd

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	2	25

07-08-14
 REGISTERED CIVIL ENGINEER DATE
 ANH P. TRAN
 No. C 56206
 Exp 12-31-14
 CIVIL
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

10-06-14
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LOCATIONS OF CONSTRUCTION
LC-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	3	25

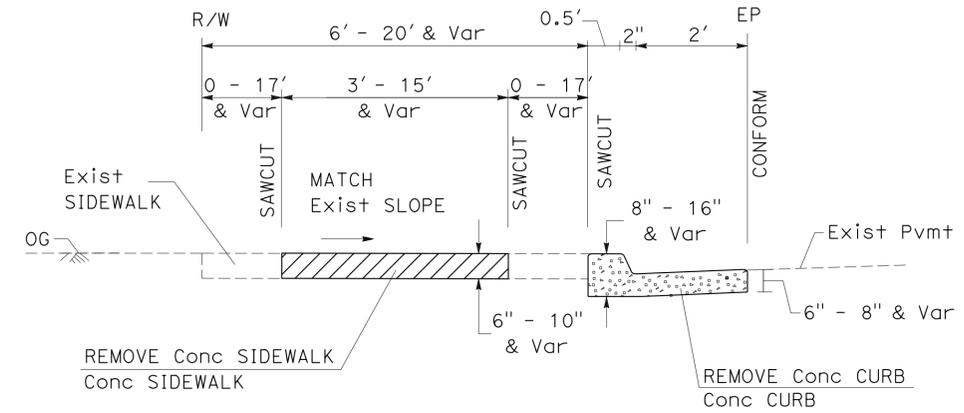
07-08-14
 REGISTERED CIVIL ENGINEER DATE
 ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT DISTRICT OFFICE.
- EXISTING CONCRETE SIDEWALK, DRIVEWAY AND CURB, TO BE REMOVED, SHALL BE REPLACED IN KIND.
- FOR DIMENSIONS OF REMOVAL AND PLACEMENT OF CONCRETE SIDEWALK, DRIVEWAY AND CURB AT EACH LOCATION, SEE SUMMARY OF QUANTITIES SHEETS.
- EXISTING TRAFFIC SIGNAL POLES, PULL BOXES, VALVE BOXES, AND CURB OPENING DRAIN PIPES SHALL REMAIN IN PLACE.
- MATCH EXISTING CURB DIMENSIONS AND FLOW LINE GRADE IN THE FIELD.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

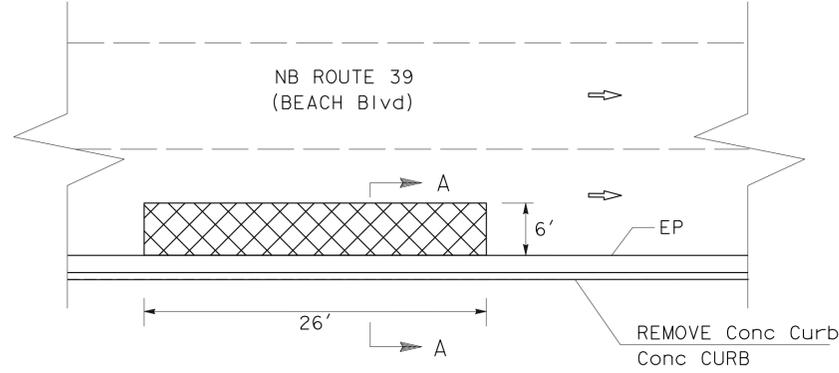
LEGEND:

- 6" - 10" & Var, Conc SIDEWALK OR DRIVEWAY
- 6" - 10" & Var, REMOVE Conc SIDEWALK OR DRIVEWAY
- 0.33' HOT MIX ASPHALT (TYPE A)
- 0.33' COLD PLANE AC PAVEMENT
- Conc CURB
- REMOVE Conc CURB



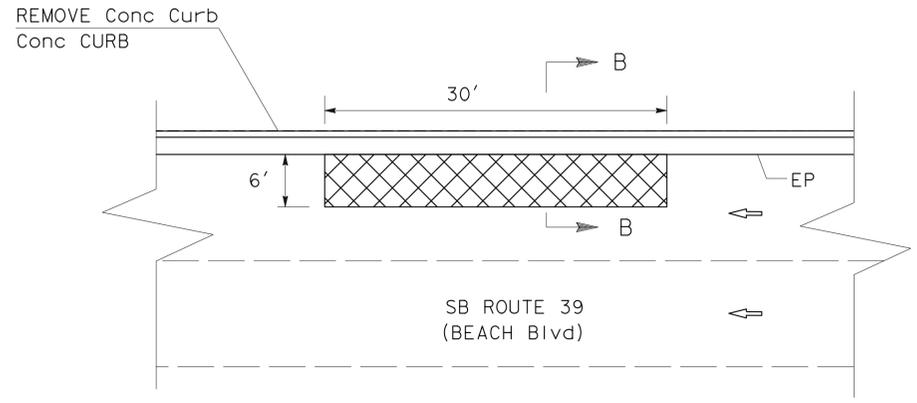
DETAIL A

TYPICAL DETAIL FOR CURB & GUTTER AND SIDEWALK
(SEE NOTES 2 & 3)



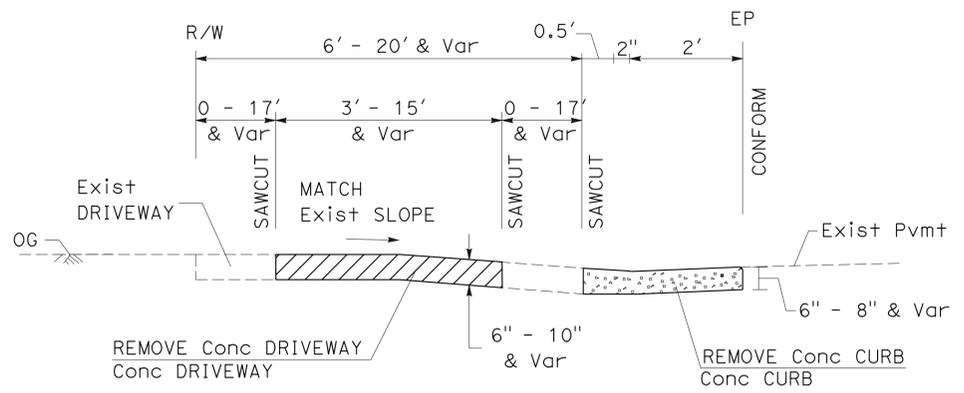
DETAIL C

PAVEMENT DETAIL AT LOCATION 14



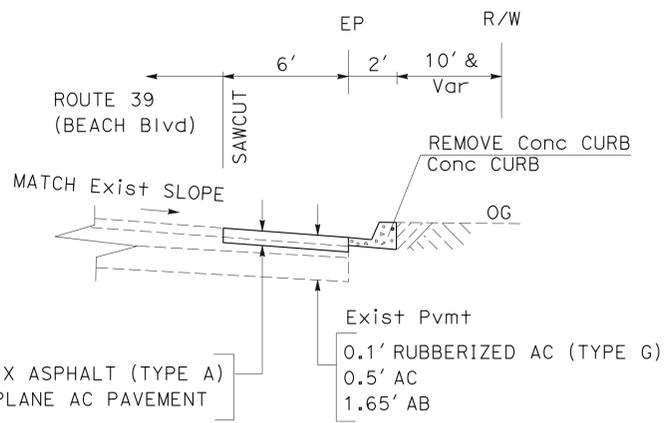
DETAIL D

PAVEMENT DETAIL AT LOCATION 104



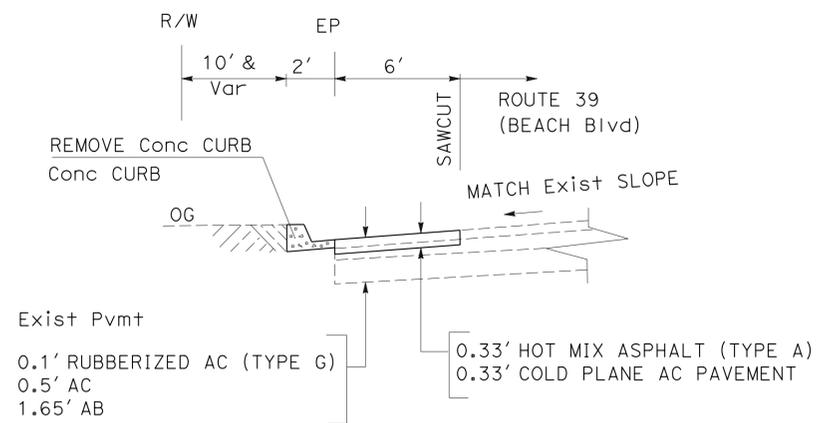
DETAIL B

TYPICAL DETAIL FOR DRIVEWAY
(SEE NOTES 2 & 3)



SECTION A-A

(SEE NOTES 2 & 3)



SECTION B-B

(SEE NOTES 2 & 3)

CONSTRUCTION DETAILS

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION MAINTENANCE
 FUNCTIONAL SUPERVISOR MASSOUD TAJIK
 PHAT TRAN
 ANH TRAN
 REVISED BY ANH TRAN
 DATE REVISD 05-01-14
 CALCULATED/DESIGNED BY
 CHECKED BY
 USERNAME => s111173
 DGN FILE => 1213000184ga001.dgn



UNIT 3064

PROJECT NUMBER & PHASE

12130001841

LAST REVISION DATE PLOTTED => 07-OCT-2014
 07-28-14 TIME PLOTTED => 10:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	4	25

07-08-14
 REGISTERED CIVIL ENGINEER DATE
 ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

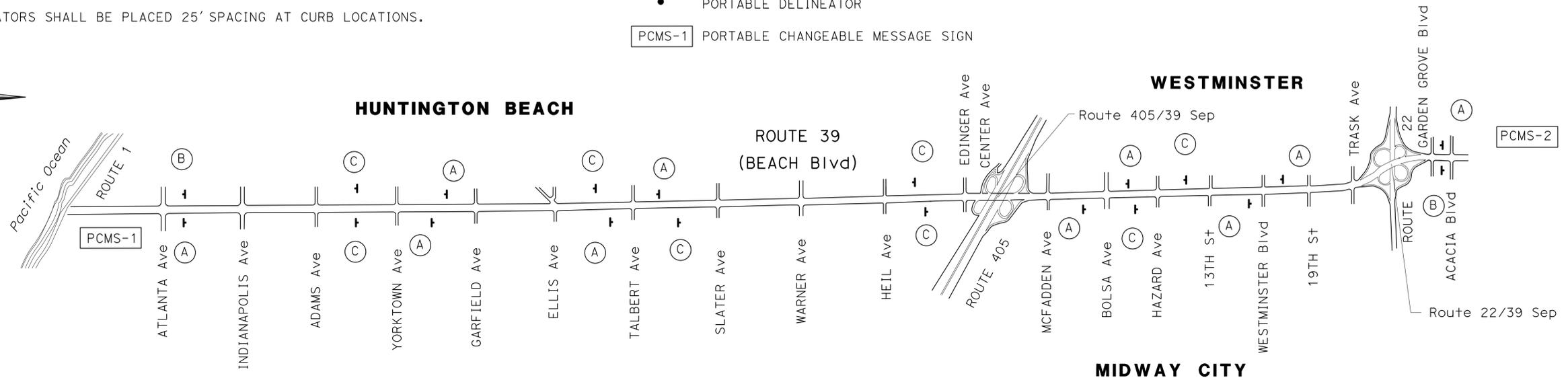
10-06-14
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. LOCATIONS OF CONSTRUCTION AREA SIGNS AND PCMS SHOWN ARE APPROXIMATE. EXACT LOCATION TO BE DETERMINED BY THE ENGINEER.
2. EXACT MESSAGE TO BE DISPLAYED ON THE PCMS WILL BE DETERMINED BY THE ENGINEER.
3. PORTABLE DELINEATORS SHALL BE PLACED 5' TO 10' SPACING AT EACH SIDEWALK LOCATION.
4. PORTABLE DELINEATORS SHALL BE PLACED 25' SPACING AT CURB LOCATIONS.

LEGEND:

- CONSTRUCTION AREA SIGN
- ┆ CONSTRUCTION AREA SIGN, 1 POST
- ▭ CONSTRUCTION AREA SIGN MOUNTED ON TYPE II BARRICADE
- ▨ CONSTRUCTION AREA
- PORTABLE DELINEATOR
- PCMS-1 PORTABLE CHANGEABLE MESSAGE SIGN



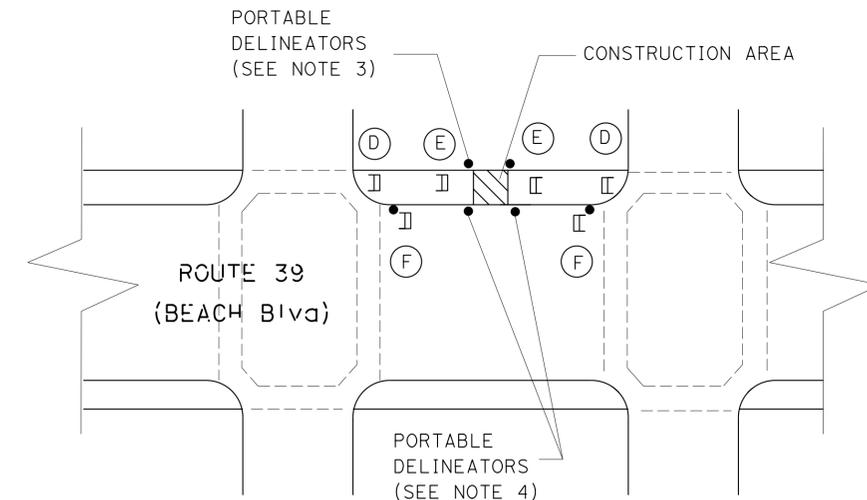
PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

PCMS No.	MESSAGE	
	1ST FRAME	2ND FRAME
PCMS-1	ROAD WORK AHEAD	USE ALTERNATE ROUTE
PCMS-2	ROAD WORK AHEAD	USE ALTERNATE ROUTE

LOCATION No.	TYPE II BARRICADE (EA)	PORTABLE DELINEATOR (EA)	PCMS (EA)
Loc 1 to Loc 28	768	768	2
TOTAL	768	768	2

CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGN	REMARKS
(A)	W20-1	48" x 48"	ROAD WORK AHEAD	1-4" x 6"	10	
(B)	G20-2	48" x 24"	END ROAD WORK	1-4" x 4"	2	
(C)	W11-1	24" x 24"	(BIKE SYMBOL)	1-4" x 6"	8	
	W16-1P	30" x 24"	SHARE THE ROAD			
(D)	R9-11	24" x 12"	SIDEWALK CLOSED AHEAD → CROSS HERE		256	ATTACHED TO TYPE II BARRICADE
(E)	R9-9	24" x 12"	SIDEWALK CLOSED		256	ATTACHED TO TYPE II BARRICADE
(F)	C27(CA)	24" x 24"	OPEN TRENCH		256	ATTACHED TO TYPE II BARRICADE



TYPICAL PEDESTRIAN DETOUR/ CONSTRUCTION AREA SIGNS AT EACH REPAIR LOCATION

CONSTRUCTION AREA SIGNS

NO SCALE

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CS-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	5	25

Anh Tran 07-08-14
 REGISTERED CIVIL ENGINEER DATE

10-06-14
 PLANS APPROVAL DATE

ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA

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

NOTE:

1. NEW ROADSIDE SIGN PANELS SHALL REPLACE EXISTING ROADSIDE SIGN PANELS AT THE SAME LOCATIONS.

ABBREVIATIONS:

- B - BLACK
- BL - BLUE
- R - RED
- W - WHITE
- Y - YELLOW

DIRECTION	SIGN CODE	PANEL SIZE	SIGN AREA	REMOVE ROADSIDE SIGN PANEL (N)	REMOVE ROADSIDE SIGN MOUNTED ON MAST-ARM	INSTALL ROADSIDE SIGN ON EXISTING POST	INSTALL SIGN (MAST-ARM HANGER METHOD)	SINGLE FACED	BACKGROUND		LEGEND		GRAFFITI FILM		FURNISH SINGLE SHEET ALUMINUM SIGN	SIGN LOCATION			
		W x D		EA	EA	EA	EA		EA	EA	EA	SHEETING COLOR	RETRO-REFLECTIVE	SHEETING COLOR	RETRO-REFLECTIVE		STANDARD	PREMIUM	0.063"
		INCH x INCH		SQFT	EA	EA	EA		EA	EA	EA	EA	EA	EA	EA		EA	EA	SQFT
NORTHBOUND	R26(S) (CA)	12 x 18	1.50	2		2		X	W	III	R		X		3.00	BETWEEN GRAZIADIO Dr and ELLIS Ave/ MAIN St			
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	SOUTH of STERLING Dr			
	D9-2	24 x 24	4.00	1				X	BL	III	W			X	4.00	SOUTH of RONALD Dr			
	D9-13aP	24 x 12	2.00	1		3		X	BL	III	W			X	2.00				
	G33-1	24 x 6	1.00	1				X	BL	III	W			X	1.00				
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	BETWEEN LIBERTY Ave and SPEER Dr			
	R73-5	36 x 36	9.00		1		1		X	B	III	W		X	9.00	WARNER Ave (ON MAST-ARM)			
	R26(S) (CA)	12 x 18	1.50	4		4		X	W	III	R		X		6.00	BETWEEN HEIL Ave and MACDONALD Dr			
	R26(S) (CA)	12 x 18	1.50	4		4		X	W	III	R		X		6.00	BETWEEN MACDONALD Dr and HOLT Dr			
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	BETWEEN HOLT Dr and STARK Ave			
	R73-6	36 x 36	9.00		1		1		X	B	III	W		X	9.00	EDINGER Ave (ON MAST-ARM)			
	R26(S) (CA)	12 x 18	1.50	2		2		X	W	III	R		X		3.00	BETWEEN EDINGER Ave and CENTER Ave			
	R3-18	30 x 30	6.25	1		1		X	B	III	R/W			X	6.25	CENTER Ave			
	R26(S) (CA)	12 x 18	1.50	6		6		X	W	III	R		X		9.00	BETWEEN CENTER Ave and MCFADDEN Ave			
	R73-5	36 x 36	9.00		1		1		X	B	III	W		X	9.00	MCFADDEN Ave (ON MAST-ARM)			
	R26(S) (CA)	12 x 18	1.50	5		5		X	W	III	R		X		7.50	BETWEEN MCFADDEN Ave and BISHOP Ave			
	R26(S) (CA)	12 x 18	1.50	3		3		X	W	III	R		X		4.50	BETWEEN BISHOP Ave and PINE St			
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	BETWEEN PINE St and MIDWAY PI			
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	BETWEEN MIDWAY PI and BOLSA Ave			
	R73-5	36 x 36	9.00		1		1		X	B	III	W		X	9.00	BOLSA Ave (ON MAST-ARM)			
	R26(S) (CA)	12 x 18	1.50	2		2		X	W	III	R		X		3.00	BETWEEN WASHINGTON Ave and MADISON Ave			
	R26(S) (CA)	12 x 18	1.50	2		2		X	W	III	R		X		3.00	BETWEEN MADISON Ave and ROOSEVELT Ave			
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	BETWEEN ROOSEVELT Ave AND LEGION PI			
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	SOUTH OF 11th St (FRONT OF GREEN LANTERN VILLAGE)			
	R26(S) (CA)	12 x 18	1.50	2		2		X	W	III	R		X		3.00	BETWEEN 11th St and 13th St			
	R73-2	36 x 36	9.00		1		1		X	B	III	W		X	9.00	13th St (ON MAST-ARM)			
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	BETWEEN 13th St and 15th St			
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	BETWEEN 15th St and 16th St			
R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	BETWEEN 16th St and WESTMINSTER Blvd				
R73-5	36 x 36	9.00		1		1		X	B	III	W		X	9.00	WESTMINSTER Blvd (ON MAST-ARM)				
R26(S) (CA)	12 x 18	1.50	2		2		X	W	III	R		X		3.00	BETWEEN WESTMINSTER Blvd and 18th St				
SUBTOTAL				48	6	48	6							133.25					

SIGN QUANTITIES

SQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE
 FUNCTIONAL SUPERVISOR: MASSOUD TAJIK
 CALCULATED/DESIGNED BY: PHAT TRAN
 CHECKED BY: ANH TRAN
 REVISED BY: ANH TRAN
 DATE REVISED: 07-28-14

LAST REVISION DATE PLOTTED => 07-OCT-2014
 07-28-14 TIME PLOTTED => 10:21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	6	25

07-08-14
 REGISTERED CIVIL ENGINEER DATE

10-06-14
 PLANS APPROVAL DATE

ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL

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

DIRECTION	SIGN CODE	PANEL SIZE	SIGN AREA	REMOVE ROADSIDE SIGN PANEL (N)	REMOVE ROADSIDE SIGN MOUNTED ON MAST-ARM	INSTALL ROADSIDE SIGN ON EXISTING POST	INSTALL SIGN (MAST-ARM HANGER METHOD)	SINGLE FACED	BACKGROUND		LEGEND		GRAFFITI FILM		FURNISH SINGLE SHEET ALUMINUM SIGN	SIGN LOCATION
		W x D	SQFT	EA	EA	EA	EA		SHEETING COLOR	RETRO-REFLECTIVE	SHEETING COLOR	RETRO-REFLECTIVE	STANDARD	PREMIUM	0.063"	
		INCH x INCH													UNFRAMED	
NORTHBOUND	R26(S) (CA)	12 x 18	1.50	2		2		X	W	III	R		X		3.00	BETWEEN 18th St and 19th St
	R26(S) (CA)	12 x 18	1.50	2		2		X	W	III	R		X		3.00	BETWEEN 19th St and 20th St
	R26(S) (CA)	12 x 18	1.50	2		2		X	W	III	R		X		3.00	BETWEEN 20th St and 21st St
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	SOUTH of 22nd St
	R26(S) (CA)	12 x 18	1.50	2		2		X	W	III	R		X		3.00	BETWEEN 22nd St and 23rd St
	R26(S) (CA)	12 x 18	1.50	2		2		X	W	III	R		X		3.00	BETWEEN 23rd St and TRASK Ave
SOUTHBOUND	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	SOUTH of TRASK Ave
	R1-1	36 x 36	9.00	1		1		X	R	IX	W			X	9.00	21st St
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	SOUTH of 21st St
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	SOUTH of WESTMINSTER Blvd
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	SOUTH of 16th St
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	SOUTH of 15th St
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	SOUTH of 13th St
	R3-2 (L)	24 x 24	4.00	1		1		X	W	III	R/B			X	4.00	12th St (at MEDIAN)
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	IX	R		X		1.50	SOUTH of 12th St
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	SOUTH of 10th St
	R26(S) (CA)	12 x 18	1.50	3		3		X	W	III	R		X		4.50	BETWEEN HAZARD Ave and MADISON Ave
	R26(S) (CA)	12 x 18	1.50	2		2		X	W	III	R		X		3.00	BETWEEN WASHINGTON Ave and BOLSA Ave
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	SOUTH of ROCKWELL Ave
	R26(S) (CA)	12 x 18	1.50	1		1		X	W	III	R		X		1.50	NORTH of NB ROUTE 405 ON-RAMP (NEAR DRIFTWOOD MOBILE PARK ENTRANCE)
	R3-1	24 x 24	4.00	1		1		X	W	IX	R/B			X	4.00	CENTER Ave
	R2-1 (45)	24 x 30	5.00	1		1		X	W	III	B			X	5.00	NORTH OF CYPRESS Dr
W3-3	36 x 36	9.00	1		1		X	Y	IX	B			X	9.00	NORTH of TALBERT Ave	
R3-7 (R)	30 x 30	6.25	1		1		X	W	III	B			X	6.25	NORTH of ELLIS Ave/ MAIN St	
SUBTOTAL				32		32									76.25	
SUBTOTAL SHEET SQ-1				48	6	48	6								133.25	
TOTAL				80	6	80	6								209.50	

SIGN QUANTITIES

SQ-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	7	25

Auh Tran 07-08-14
 REGISTERED CIVIL ENGINEER DATE

10-06-14
 PLANS APPROVAL DATE

ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA

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

DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT) SQFT	DRAINAGE INLET MARKER EA	DESCRIPTION			
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK						
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY						
NORTHBOUND	FROM INDIANAPOLIS Ave TO ADAMS Ave	1					3	6						0.4						
		2					3	9						0.5						
		3	20422 Beach Blvd				5	13							1.4					
			20002 Beach Blvd	15								1.0			1.0			19	Front of Mobil Gas Station	
		FROM ADAMS Ave TO GARFIELD Ave	4	19640 Beach Blvd				13	8						2.0				1	Front of Albertsons
			5	19542 Beach Blvd				7	8						1.1					
			6	19322 Beach Blvd				5	13						1.3					
			7	19202 Beach Blvd											11.0					Driveway to Pet Cemetery
			8	19542 Beach Blvd	30										2.0					Front of Pet Cemetery
		9	19322 Beach Blvd	10										0.7			14		Near El Pollo Local Sign	
		10	19202 Beach Blvd	27										1.8						
	FROM GARFIELD Ave TO ELLIS Ave / MAIN ST	11	19202 Beach Blvd				28	6						3.3					Front of Toyota/ Scion	
		12	18972 Beach Blvd				5	6						0.6						
		13	18972 Beach Blvd	135											9.0			173		North Driveway to Arco Gas Station
		14	18972 Beach Blvd				36	3						3.5						
		15	18922 Beach Blvd				22	3						2.1						South Driveway to Arco Gas Station
		16	18922 Beach Blvd	55										3.7						Front of Starbucks/ Bus Stop
SUBTOTAL									18.2	16.6	10.6	18.2	16.6	10.6	277					
SHEET TOTAL Q-1									45.4			45.4			277	1				

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

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 MAINTENANCE

FUNCTIONAL SUPERVISOR
 MASSOUD TAJIK

CALCULATED-DESIGNED BY
 CHECKED BY

PHAT TRAN
 ANH TRAN

REVISED BY
 DATE REVISED

A TRAN
 07-28-14

LAST REVISION DATE PLOTTED => 07-OCT-2014
 07-28-14 TIME PLOTTED => 10:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	8	25

Auh Tran 07-08-14
 REGISTERED CIVIL ENGINEER DATE

10-06-14
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ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA

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DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT)	DRAINAGE INLET MARKER	DESCRIPTION		
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK	SOFT	EA			
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY	SOFT	EA			
NORTHBOUND	FROM GARFIELD Ave / TO ELLIS Ave / MAIN St	10	18822 Beach Blvd					8	3					0.5				Front of Love n' Bloom	
		11	18682 Beach Blvd					16	3					0.9					
		12	18632 Beach Blvd			33	3					3.2			3.2				
		13	18582 Beach Blvd			37	11					13.2			13.2				Driveway to Da Vinci Kitchen, Bath
	FROM ELLIS Ave / MAIN St TO TALBERT Ave	14	18400 Beach Blvd		54						3.7			3.7			69		Front Bus Stop at Metro Car Wash
		15	18364 Beach Blvd			33	11				11.8			11.8					Front of Animal Hospital
		16	18348 Beach Blvd					9	5					1.0			1.0		Front of Play It Again Sports
		17	18302 Beach Blvd			5	6					1.0			1.0				Front of Wings-N-Things
	FROM TALBERT Ave TO SLATER Ave	18	17822 Beach Blvd					8	6					0.9			0.9		
		19	17762 Beach Blvd		6						0.4			0.4			8		
		20	17752 Beach Blvd					18	3					1.1			1.1		Front of Huntington Urgent Care
		21	17692 Beach Blvd					13	3					0.8			0.8		
		22	17522 Beach Blvd		53						3.5			3.5			68		Front of Walgreen/ Bus Stop
	SUBTOTAL									9.6	29.2	8.2	9.6	29.2	8.2	145			
SHEET TOTAL Q-2									47.0			47.0			145				

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

SUMMARY OF QUANTITIES

Q-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	9	25

Auh Tran 07-08-14
 REGISTERED CIVIL ENGINEER DATE

10-06-14
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 No. C56206
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA

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DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT)	DRAINAGE INLET MARKER	DESCRIPTION		
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK	EA				
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY	SQFT	EA			
NORTHBOUND	FROM SLATER Ave TO WARNER Ave	23 17472 Beach Blvd		30	6						5.8			5.8			North Driveway to Chevron Gas Station		
				42	6						8.2			8.2					
			83						5.6			5.6							
				24 17436 Beach Blvd				13	6						1.5		1.5		Between North and South Driveways
					41	6					8.0			8.0					
				25 17420 Beach Blvd	17	5							2.8			2.8			South Driveway to Chevron
					5	3					0.5			0.5					
				26 17398 Beach Blvd	5	6							1.0			1.0			North Driveway to Trejo's Restaurant South Driveway to Trejo's Restaurant
					18	9					5.3			5.3					
				27 17296 Beach Blvd	10	11							3.6			3.6			Driveway to Donnuttery
								3	3					0.2			0.2		
				28 17204 Beach Blvd				6	7							0.8			Front of Centerfield Sport Bar
								5	3					0.3			0.3		
		29 17122 Beach Blvd	85								5.7			5.7		109	Front of Huntington Plaza		
		30 SE Corner of Blaylock Dr & Beach Blvd	6								0.4			0.4					
		31 17090 Beach Blvd	15								1.0			1.0		19	Front of Hertz Car Rental		
						18	13					1.1			1.1				
SUBTOTAL									12.7	35.2	3.9	12.7	35.2	3.9	128				
SHEET TOTAL Q-3									51.8			51.8			128				

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

SUMMARY OF QUANTITIES

Q-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE

FUNCTIONAL SUPERVISOR: MASSOUD TAJIK
 CALCULATED/DESIGNED BY: PHAT TRAN
 CHECKED BY: ANH TRAN
 REVISED BY: A TRAN
 DATE REVISED: 07-28-14

LAST REVISION DATE PLOTTED => 07-OCT-2014
 07-28-14 TIME PLOTTED => 10:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	10	25

Anh Tran 07-08-14
 REGISTERED CIVIL ENGINEER DATE

10-06-14
 PLANS APPROVAL DATE

ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA

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DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT)	DRAINAGE INLET MARKER	DESCRIPTION		
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK	EA				
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY	SQFT	EA			
NORTHBOUND	FROM WARNER Ave TO EDINGER Ave	32 16800 Beach Blvd					23	6									Front of Mazda Dealer		
							5	4											
							5	3											
							5	3											
		33 16672 Beach Blvd																	North Driveway to Rubio's North Driveway to Marshalls South Driveway to Marshalls
							36	11											
									8	6									
							36	11											
		34 16612 Beach Blvd																	Front of Marshalls Front of Marshalls by Bus Stop Driveway to Phuket Thai Front of Phuket Thai
									6								8		
									15	3									
		35 16572 Beach Blvd																	Between Rubio's & Phuket Thai Driveway to Norms Restaurant
							15	3											
36 16122 Beach Blvd																	Front of Party City		
SUBTOTAL																			
SHEET TOTAL Q-4																			

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

SUMMARY OF QUANTITIES

Q-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 MAINTENANCE
 PHAT TRAN
 ANH TRAN
 A TRAN
 07-28-14
 REVISOR BY DATE REVISOR
 CALCULATED/DESIGNED BY
 CHECKED BY
 FUNCTIONAL SUPERVISOR
 MASSOUD TAJIK
 USERNAME => s111173
 DGN FILE => 1213000184pa004.dgn
 BORDER LAST REVISED 7/2/2010



LAST REVISION DATE PLOTTED => 07-OCT-2014
 07-28-14 TIME PLOTTED => 10:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	11	25

Anh Tran 07-08-14
 REGISTERED CIVIL ENGINEER DATE

10-06-14
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DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT) SQFT	DRAINAGE INLET MARKER EA	DESCRIPTION	
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK				
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY				
NORTHBOUND	FROM EDINGER Ave TO MCFADDEN Ave	37	North of NB Rte 405 On-Ramp	10							0.7			0.7				
		38	15550 Beach Blvd					3	5					0.3				Front of Infinity Dealer
	FROM MCFADDEN Ave TO BOLSA Ave	39	15380 Beach Blvd					4	3					0.2				Front of Cafe's Lounge
		40	15342 Beach Blvd			3	3					0.3			0.3			Driveway to Lang Ngon
		41	15300 Beach Blvd			6						0.4			0.4			Driveway to Elmore Toyota
		42	15312 Beach Blvd			6						0.6			0.6			Driveway to Penske Truck
		43	14902 Beach Blvd			10	8					0.4			0.4			Driveway to Chevron Gas Station
		44	14666 Beach Blvd					4	4						0.3			Front of Furniture Store
		45	14632 Beach Blvd					4	4						0.3			Front of Funky Pair Shoes
	FROM BOLSA Ave TO HAZARD Ave	46	NE Corner of Roosevelt Ave & Beach Blvd					15	8					2.3				
		47	SE Corner of Legion Pl & Beach Blvd					2	3					0.1				
		SUBTOTAL									3.2	2.6	6.1	3.2	2.6	6.1		
	SHEET TOTAL Q-5									11.9			11.9					

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SUMMARY OF QUANTITIES

Q-5

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	12	25

Auh Tran 07-08-14
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10-06-14
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ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA

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DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT) SQFT	DRAINAGE INLET MARKER EA	DESCRIPTION		
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK					
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY					
NORTHBOUND	FROM HAZARD Ave TO WESTMINSTER Blvd	48	NE Corner of Hazard Ave & Beach Blvd					9	4					0.7					
								8	3					0.5					
		49	14312 Beach Blvd		3	3					0.3			0.3				Driveway to Barber Shop	
		50	14266 Beach Blvd					4	4					0.3				Front of Boost Mobil Store	
		51	14254 Beach Blvd					4	4					0.3				Front of Redwing Shoes	
		52	14082 Beach Blvd		30	4					3.9			3.9					Front of Katronic
				10						0.7				0.7					Under Sign "Buena Park/Seal Beach"
	53	14032 Beach Blvd					3	5					0.3						
	54	13970 Beach Blvd		11	15					5.3			5.3					Driveway to Western Dental	
			12						0.8				0.8						
	55	13822 Beach Blvd					8	5					0.8						
	56	NE Corner of 20th St & Beach Blvd					22	12					5.1						
	57	13750 Beach Blvd					3	8					0.5					Fire Hydrant at NE Corner of 20th St & Beach Blvd	
	58	NE Corner of 23rd St & Beach Blvd					34	3					2.0						
SUBTOTAL									1.5	9.5	12.6	1.5	9.5	12.6					
SHEET TOTAL Q-6									23.6			23.6							

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SUMMARY OF QUANTITIES

Q-6

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	13	25

Anh Tran 07-08-14
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10-06-14
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DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT) SQFT	DRAINAGE INLET MARKER EA	DESCRIPTION	
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK				
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY				
NORTHBOUND	FROM WESTMINSTER Blvd TO TRASK Ave	59	13600 Beach Blvd	21							1.4			1.4			Between Lexus and Honda Dealer	
												0.8			0.8		Driveway to Lexus Dealer	
	60	13590 Beach Blvd					5	3									Front of Lexus Dealer	
							6	4								0.3		
SOUTHBOUND	FROM INDIANAPOLIS Ave TO ADAMS Ave	61	20383 Beach Blvd					13	3					0.8			Front of Pizza Hut	
								40	3					2.3				2.3
	62	20379 Beach Blvd					23	6						2.7			2.7	Front of Philly Grille
	63	19971 Beach Blvd					17	15						5.0			5.0	Front of Arco Gas Station
	64	19741 Beach Blvd			85							5.7			5.7		109	Front of Bear Auto
									19	4					1.5			
	65	19731 Beach Blvd			15							1.0			1.0			Front of Lee's Mattress
66	19721 Beach Blvd				20	8					5.2			5.2			Front of Beach Yamaha	
SUBTOTAL									9.7	6.0	13.1	9.7	6.0	13.1	109			
SHEET TOTAL Q-7									28.8			28.8			109			

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

SUMMARY OF QUANTITIES

Q-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 MAINTENANCE
 PHAT TRAN
 ANH TRAN
 A TRAN
 07-28-14
 REVISOR BY
 DATE REVISED
 CALCULATED-DESIGNED BY
 CHECKED BY
 FUNCTIONAL SUPERVISOR
 MASSOUD TAJIK
 BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 07-OCT-2014
 07-28-14 TIME PLOTTED => 10:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	14	25

Anh Tran 07-08-14
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DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT) SQFT	DRAINAGE INLET MARKER EA	DESCRIPTION		
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK					
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY					
SOUTHBOUND	FROM ADAMS Ave TO GARFIELD Ave	67 19601 Beach Blvd					6	6					0.8				Front of Caltrans Yard		
							10	6					1.2						
		68 19261 Beach Blvd	80								5.4						103	Front of U-Haul	
							9	10							1.9				
		69 19131 Beach Blvd								3	8								Front of Honda Dealer
							14	3							0.5				
	70 19121 Beach Blvd	6												0.4				Front of CVS	
		64												4.3			82		
	71 18801 Beach Blvd	67															86	Near Bus Stop	
						4	4								0.3				
	72 18711 Beach Blvd																	Front of Volkswagon Dealer	
SUBTOTAL									22.2	1.9	9.4	22.2	1.9	9.4	289				
SHEET TOTAL Q-8									33.5			33.5			289				

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SUMMARY OF QUANTITIES

Q-8

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	15	25

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DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT)	DRAINAGE INLET MARKER	DESCRIPTION					
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK	SOFT	EA						
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY								
SOUTHBOUND	FROM GARFIELD Ave TO ELLIS Ave/MAIN St	73	18645 Beach Blvd					3	6								0.4	0.4	Front of Five Guys			
		74	18575 Beach Blvd					9	3									0.5	0.5	Front of Panda Express		
		75	18423 Beach Blvd					7	7									1.0	1.0	Front of Lawnmower		
		76	18377 Beach Blvd					6	8									0.9	0.9			
		77	18351 Beach Blvd					3	3									0.2	0.2			
		78	18255 Beach Blvd	34				3	11									0.6	0.6	Front of Ford Dealer		
	FROM ELLIS Ave / MAIN St TO TALBERT Ave	79	18211 Beach Blvd					6	5									0.6	0.6	Front of Chevy Dealer		
		80	18151 Beach Blvd	11				9	3									0.5	0.5	Front of Chevy Dealer		
		81	18141 Beach Blvd	6							0.7								0.7	14	Front of Chevy Dealer	
				45								0.4							0.4	8		
		81	18141 Beach Blvd	4						4	4									0.3	0.3	
				45								3.0								3.0	58	
				45	3						4.4						4.4					
SUBTOTAL									6.4	4.4	5.2	6.4	4.4	5.2	124							
SHEET TOTAL Q-9									16.0			16.0			124							

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

SUMMARY OF QUANTITIES

Q-9

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	16	25

Anh Tran 07-08-14
 REGISTERED CIVIL ENGINEER DATE

10-06-14
 PLANS APPROVAL DATE

ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA

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

DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT)	DRAINAGE INLET MARKER	DESCRIPTION	
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK	SOFT	EA		
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY				
SOUTHBOUND	FROM ELLIS Ave / MAIN St TO TALBERT Ave	82 18081 Beach Blvd					10	11									Front of Kaiser	
							5	9										
							8	3										
							3	6										
	FROM TALBERT Ave TO SLATER Ave	83 18061 Beach Blvd		33								2.2				42	Front of West Pharmacy /Bus Stop	
				14								0.9				18		Driveway of Matsu Restaurant
		84 17955 Beach Blvd		41								2.7				53	Front of 7-11	
		85 17931 Beach Blvd				4	4						0.5				0.5	Driveway of Business Park
								6	8				0.9				0.9	
		86 17851 Beach Blvd		30									2.0				39	Front of America Beauty Florist
						7	6						1.4				1.4	
		87 17831 - 17845 Beach Blvd		120									8.0				154	Front of Beach City Pawn
								5	6				0.6				0.6	
						5	6				0.6				0.6			
88 17781 Beach Blvd		46									3.1				59	Front of Psychic		
						3	3				0.2				0.2			
89 17555 Beach Blvd						4	3				0.2				0.2	Front of Honda Dealer		
SUBTOTAL									18.9	1.9	6.5	18.9	1.9	6.5	365			
SHEET TOTAL Q-10									27.3			27.3			365			

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

SUMMARY OF QUANTITIES

Q-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	17	25

Anh Tran 07-08-14
 REGISTERED CIVIL ENGINEER DATE

10-06-14
 PLANS APPROVAL DATE

ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA

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DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT)	DRAINAGE INLET MARKER	DESCRIPTION				
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK	EA						
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY	SQFT	EA					
SOUTHBOUND	FROM SLATER Ave TO WARNER Ave	90 17401 Beach Blvd					4	6						0.5				Front of Vista Paint			
							4	4							0.3				Next to Nissan Dealer		
							6	6								0.7					
		91 17331 Beach Blvd							5	3						0.3					
									5	3						0.3					
									5	3						0.3					
		92 17301 Beach Blvd			23						1.5					1.5			30		
					10						0.7					0.7			13		
						31	3					3.0				3.0					
		93 17281 Beach Blvd				5	4					0.6				0.6					
									13	9						2.3			2.3		
		94 17151 Beach Blvd			10						0.7					0.7			13		
					10						0.7					0.7			13		
		95 17071 Beach Blvd			50						3.4					3.4			64		
							11	11						2.4			2.4				
96 17011 Beach Blvd										7.0				7.0							
							3	6						0.4			0.4				
							3	3						0.2			0.2				
						3	3							0.2			0.2				
						5	10							1.0			1.0				
SUBTOTAL									7.0	10.6	8.7	7.0	10.6	8.7	133						
SHEET TOTAL Q-11									26.3			26.3			133						

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

SUMMARY OF QUANTITIES

Q-11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	18	25

Auh Tran 07-08-14
 REGISTERED CIVIL ENGINEER DATE

10-06-14
 PLANS APPROVAL DATE

ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA

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

DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT) SQFT	DRAINAGE INLET MARKER EA	DESCRIPTION			
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK						
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY						
SOUTHBOUND	FROM WARNER Ave TO HEIL Ave	97	16871 Beach Blvd	35								2.3			2.3			Front of Sakura		
		98	16751 Beach Blvd					5	6							0.6			Front of Driveway of Mitsubishi Dealer	
				10									0.7			0.7		13		
		99	SW Corner of Chrysler Circle & Beach Blvd					3	6							0.4			Front of Chrysler Dealer	
								3	6							0.4			Near Driveway of Dodge Dealer	
		100	16511 Beach Blvd					15	11							3.2			3.2	Front of Dodge Dealer
				70									4.7			4.7		90		Near Bus Stop
		101	16395 Beach Blvd					8	6							0.9			0.9	Front of Hank's Pizza
	FROM HEIL Ave TO EDINGER Ave	102	SW Corner of Glencoe Dr & Beach Blvd	6									0.4			0.4				Front of Shanghai'd Room
								4	6						0.5			0.5		Front of Burger King
		103	16331 Beach Blvd					6	11						1.3			1.3		Front of Jack-in-the-Box
				142									9.5			9.5		182		Front of Jack-in-the-Box
		104	16311 Beach Blvd					5	6						0.6			0.6		Driveway to Jack-in-the-Box
					22	6							4.3			4.3				
		105	16301 Beach Blvd	10									0.7			0.7		13		Front of Comfort Suites
		106	16721 Beach Blvd					3	3							0.2			0.2	Front of Aquatic Therapy
SUBTOTAL									18.3	4.3	10.6	18.3	4.3	10.6	298					
SHEET TOTAL Q-12									33.2			33.2			298					

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

SUMMARY OF QUANTITIES

Q-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

MAINTENANCE

PHAT TRAN
ANH TRAN

REVISOR: A TRAN
DATE: 07-28-14

FUNCTIONAL SUPERVISOR: MASSOUD TAJIK

CALCULATED/DESIGNED BY: PHAT TRAN
CHECKED BY: ANH TRAN

LAST REVISION | DATE PLOTTED => 07-OCT-2014
 07-28-14 | TIME PLOTTED => 10:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	19	25

Auh Tran 07-08-14
 REGISTERED CIVIL ENGINEER DATE

10-06-14
 PLANS APPROVAL DATE

ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA

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

DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT) SQFT	DRAINAGE INLET MARKER EA	DESCRIPTION	
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK				
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY				
SOUTHBOUND	FROM HEIL Ave TO EDINGER Ave	16191 Beach Blvd	6						0.4			0.4					Pet Hospital	
		NW Corner of Stark Ave & Beach Blvd	8						0.5			0.5						
		16111 Beach Blvd	10						0.7			0.7		13				
		SW Corner of Center Ave & Beach Blvd					10	5				1.0		1.0			By Bella Terra Sign	
		15621 Beach Blvd		16	11					5.7			5.7				Driveway to Driftwood Mobile Home	
		15441 Beach Blvd				3	3					0.2		0.2			Front of Pro Tire Parking Lot	
		15223 Beach Blvd	13					10	8			0.9		0.9		17	Front of Just Hot Dog	
		15221 Beach Blvd	8							0.5			0.5		10		Front of Pep Boys Auto	
		15171 Beach Blvd		21	10						6.8			6.8			Driveway to Princess Inn	
		15145 Beach Blvd	10							1.4			1.4				Front of Century Tire	
		15111 Beach Blvd			24	9					7.0			7.0			Driveway to Villa Banquet Room	
		15081 Beach Blvd					7	9				1.2		1.2				
				35						2.3			2.3					Front of Villa Banquet Room
	SUBTOTAL									7.4	19.5	4.0	7.4	19.5	4.0	40		
SHEET TOTAL Q-13									30.9			30.9			40			

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

SUMMARY OF QUANTITIES

Q-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 MAINTENANCE
 PHAT TRAN
 ANH TRAN
 A TRAN
 07-28-14
 REVISOR BY
 DATE REVISOR
 CALCULATED-DESIGNED BY
 CHECKED BY
 FUNCTIONAL SUPERVISOR
 MASSOUD TAJIK
 USERNAME => s111173
 DGN FILE => 1213000184pa013.dgn
 BORDER LAST REVISED 7/2/2010
 RELATIVE BORDER SCALE IS IN INCHES
 PROJECT NUMBER & PHASE
 12130001841

LAST REVISION DATE PLOTTED => 07-OCT-2014
 07-28-14 TIME PLOTTED => 10:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	20	25

Anh Tran 07-08-14
 REGISTERED CIVIL ENGINEER DATE

10-06-14
 PLANS APPROVAL DATE

ANH P. TRAN
 No. C56206
 Exp. 12-31-14
 CIVIL
 STATE OF CALIFORNIA

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DIRECTION	LOCATION No.	NEAREST STREET ADDRESS OR STREET NAME	CURB & GUTTER 8" TO 16" DEPTH (N)		DRIVEWAY 6" TO 10" DEPTH (N)		SIDEWALK 6" TO 8" DEPTH (N)		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE			PAINT CURB (2-COAT) SQFT	DRAINAGE INLET MARKER EA	DESCRIPTION		
			LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	LENGTH (L)	WIDTH (W)	CURB	DRIVEWAY	SIDEWALK	CURB	DRIVEWAY	SIDEWALK					
			FT	FT	FT	FT	FT	FT	CY	CY	CY	CY	CY	CY					
SOUTHBOUND	FROM BOLSA Ave TO WESTMINSTER Blvd	119	14341 Beach Blvd					6	3					0.4			Front of Katelyn Salon		
		120	14211 Beach Blvd	10										0.7			Near Driveway to Happy 2 to EZ		
		121	14161 Beach Blvd					12	4								0.9	Front of Island Imports	
		122	14141 Beach Blvd					24	4								1.9	Front of Mitsu's Lawn Mower	
		123	14085 Beach Blvd					6	6								0.7	Driveway to Liquor Store /Psychic	
	FROM WESTMINSTER Blvd TO TRASK Ave	124	13541 Beach Blvd	18											1.3			Driveway to Vacant Lot Near 7/11	
							4	13									1.0		
		125	13539 Beach Blvd	12											0.8			Next to Driveway to 7/11	
		126	13535 Beach Blvd	15											1.0			Next to Driveway to 7/11	
							12	6									1.4		
		127	15321 Beach Blvd					5	11									1.1	Near Bus Stop
		128	15311 Beach Blvd					3	3									0.2	Near SW Corner of Trask Ave & Beach Blvd
						3	3										0.2		
	SUBTOTAL									3.8		8.3	3.8		8.3				
SHEET TOTAL Q-14									12.1			12.1							

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

SUMMARY OF QUANTITIES

Q-14

	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	REMOVE CONCRETE	PAINT CURB (2-COAT)	DRAINAGE INLET MARKER
	CY	CY	SQFT	EA
SHEET TOTAL Q-1	45.4	45.4	277	1
SHEET TOTAL Q-2	47.0	47.0	145	
SHEET TOTAL Q-3	51.8	51.8	128	
SHEET TOTAL Q-4	47.0	47.0	136	
SHEET TOTAL Q-5	11.9	11.9		
SHEET TOTAL Q-6	23.6	23.6		
SHEET TOTAL Q-7	28.8	28.8	109	
SHEET TOTAL Q-8	33.5	33.5	289	
SHEET TOTAL Q-9	16.0	16.0	124	
SHEET TOTAL Q-10	27.3	27.3	365	
SHEET TOTAL Q-11	26.3	26.3	133	
SHEET TOTAL Q-12	33.2	33.2	298	
SHEET TOTAL Q-13	30.9	30.9	40	
SHEET TOTAL Q-14	12.1	12.1		
TOTAL	434.8	434.8	2,044	1

LOCATION No.	TEMPORARY DRAINAGE INLET PROTECTION
	EA
Loc 1 to Loc 128	20
TOTAL	20

PAVEMENT STRUCTURAL SECTION

Loc No.	NEAREST STREET ADDRESS OR STREET NAME	COLD PLANE ASPHALT CONCRETE PAVEMENT	HOT MIX ASPHALT (TYPE A)	TACK COAT	DESCRIPTION
		SQYD	TON	TON	
14	18400 Beach Blvd	19	4	0.1	Front of Bus Stop @ Metro Car Wash
104	16311 Beach Blvd	22	5	0.1	Front of Bus Stop @ Jack-in-the-Box
TOTAL		41	9	0.2	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	22	25

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

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

TO ACCOMPANY PLANS DATED 10-06-14

UNIT OF MEASUREMENT SYMBOLS:

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

TABLE A

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

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

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft ³ , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
∅	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	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

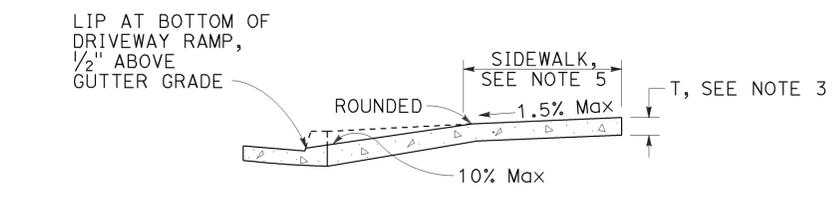
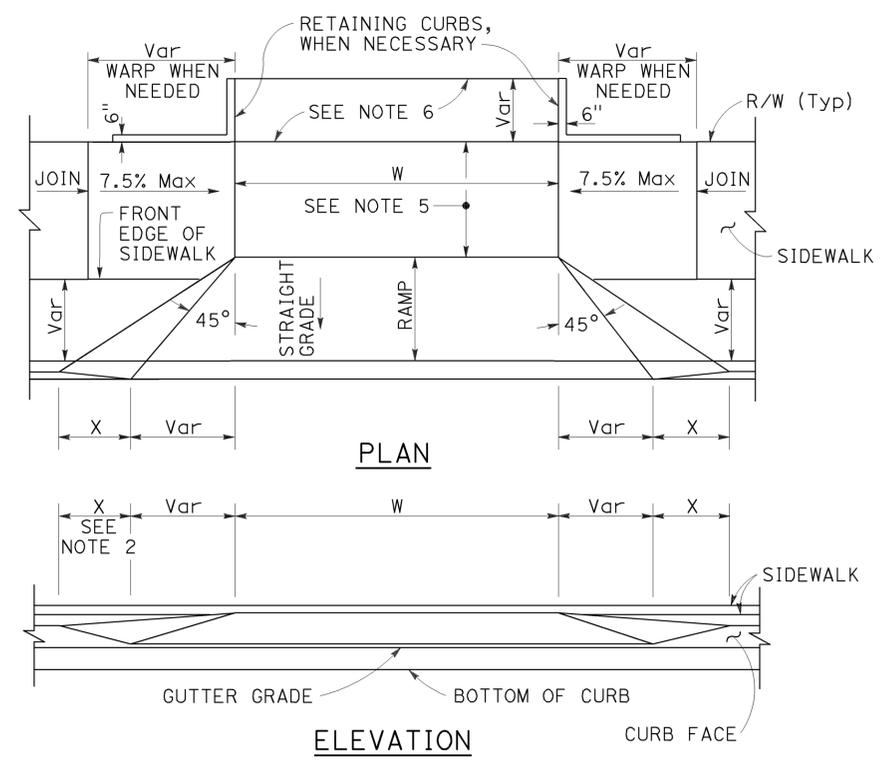
	M
Maint	MAINTENANCE
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
Min	MINIMUM
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
Mod	MODIFIED, MODIFY
Mon	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD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

	P continued
PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkwy	PARKWAY
PL, 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

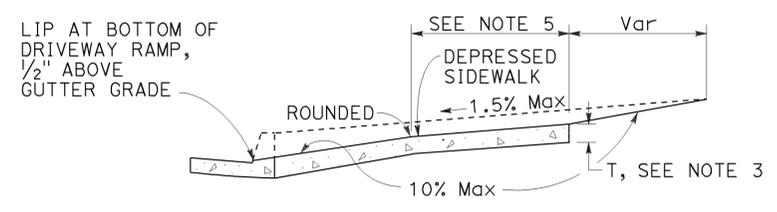
	S
S	SOUTH, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
Salv	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SAND CUSHION
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
Sec	SECOND, SECTION
Sep	SEPARATION
SG	SUBGRADE
Shld	SHOULDER
Sht	SHEET
Sim	SIMILAR
⊥	STATION LINE
SM	SELECTED MATERIAL
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
TeI	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

TO ACCOMPANY PLANS DATED 10-06-14



CASE A
Typical driveway, sidewalk not depressed



CASE B
Driveway with depressed sidewalk

SECTIONS

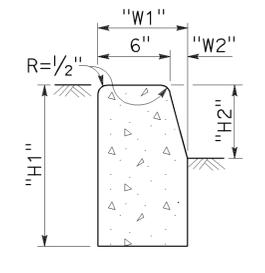
TABLE A

CURB TYPE	DIMENSIONS			
	"H1"	"H2"	"W1"	"W2"
A1-6	1'-2"	6"	7 1/2"	1 1/2"
A1-8	1'-4"	8"	8"	2"
A2-6	1'-0"	6"	2'-7 1/2"	1 1/2"
A2-8	1'-2"	8"	2'-8"	2"
A3-6	6"	5"	7 1/4"	1 1/4"
A3-8	8"	7"	7 3/4"	1 3/4"
B1-4	1'-0"	4"	7 1/2"	2 1/2"
B1-6	1'-2"	6"	9"	4"
B2-4	10"	4"	2'-7 1/2"	2 1/2"
B2-6	1'-0"	6"	2'-9"	4"
B3-4	4"	3"	7"	2"
B3-6	6"	5"	8 1/2"	3 1/2"
D-4	10"	4"	1'-6"	1'-1"
D-6	1'-0"	6"	2'-2"	1'-9"

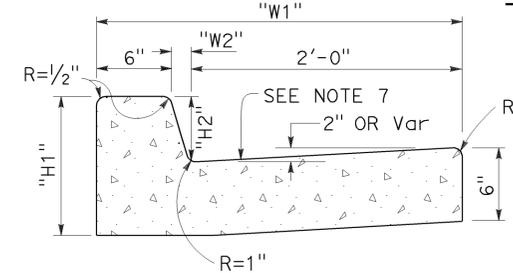
CURB QUANTITIES

TYPE	CUBIC YARDS PER LINEAR FOOT
A1-6	0.02585
A1-8	0.03084
A2-6	0.05903
A2-8	0.06379
A3-6	0.01036
A3-8	0.01435
B1-4	0.02185
B1-6	0.02930
B2-4	0.05515
B2-6	0.06171
B3-4	0.00641
B3-6	0.01074
B4	0.05709
D-4	0.04083
D-6	0.06804
E	0.06661

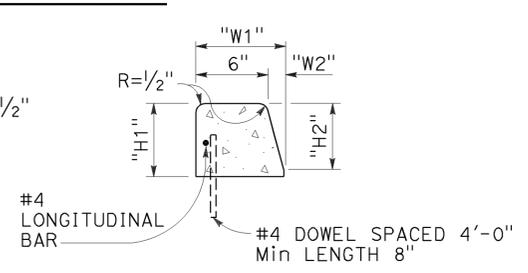
DRIVEWAYS



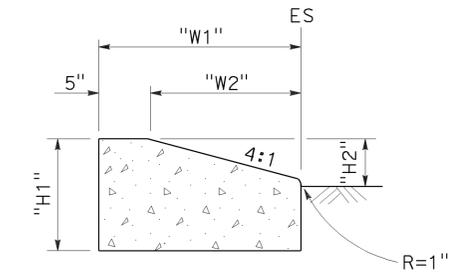
TYPE A1 CURBS
See Table A



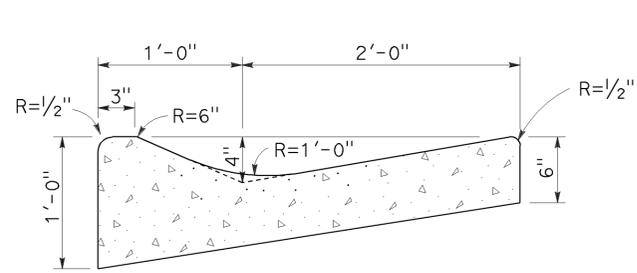
TYPE A2 CURBS
See Table A



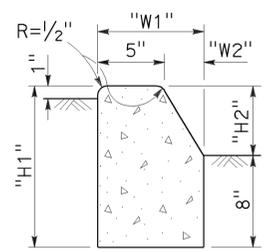
TYPE A3 CURBS
Superimposed on existing pavement
See Table A



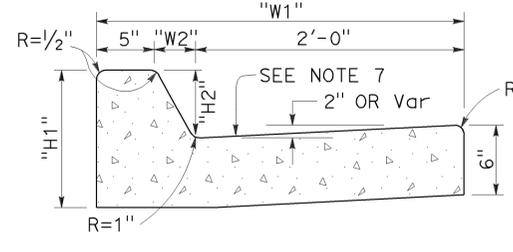
TYPE D CURBS
See Table A



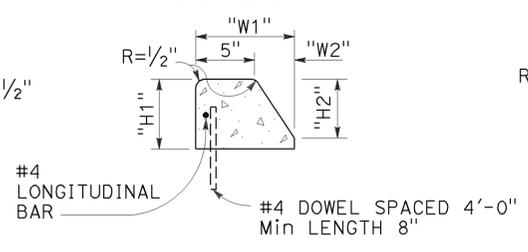
TYPE E CURB



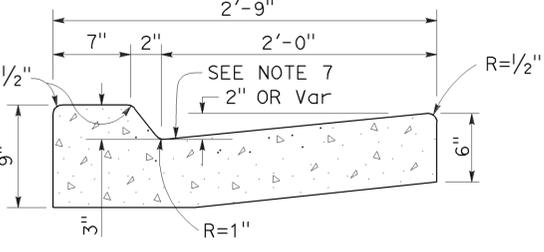
TYPE B1 CURBS
See Table A



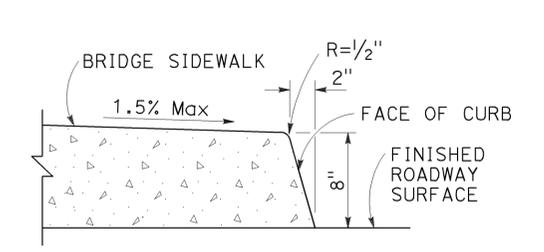
TYPE B2 CURBS
See Table A



TYPE B3 CURBS
Superimposed on existing pavement
See Table A



TYPE B4 CURBS



TYPE H CURB
On Bridges

CURBS

- NOTES:**
- Case A driveway section typically applies.
 - X=3'-0" except for curb heights over 10" where 4:1 slopes shall be used on curb slope.
 - Sidewalk and ramp thickness "T" at driveway shall be 4" for residential and 6" for commercial.
 - Difference in slope of the driveway ramp and the slope of a line between the gutter and a point on the roadway 5'-0" from gutter line shall not exceed 15%. Reduce driveway ramp slope, not gutter slope, where required.
 - Minimum width of clear passageway for sidewalk shall be 4'-2".
 - Retaining curbs and acquisition of construction easement may be necessary for narrow sidewalks or curb heights in excess of 6".
 - Across the pedestrian route at curb ramp locations, the gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.

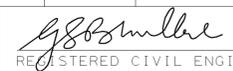
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CURBS AND DRIVEWAYS

NO SCALE

2010 REVISED STANDARD PLAN RSP A87A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	24	25


 REGISTERED CIVIL ENGINEER
 July 19, 2013
 PLANS APPROVAL DATE



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

TO ACCOMPANY PLANS DATED 10-06-14

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		
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	Z **		
					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%
		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 recommended distances.

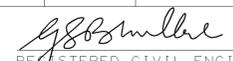
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM TABLES
 FOR LANE AND RAMP CLOSURES**
 NO SCALE

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

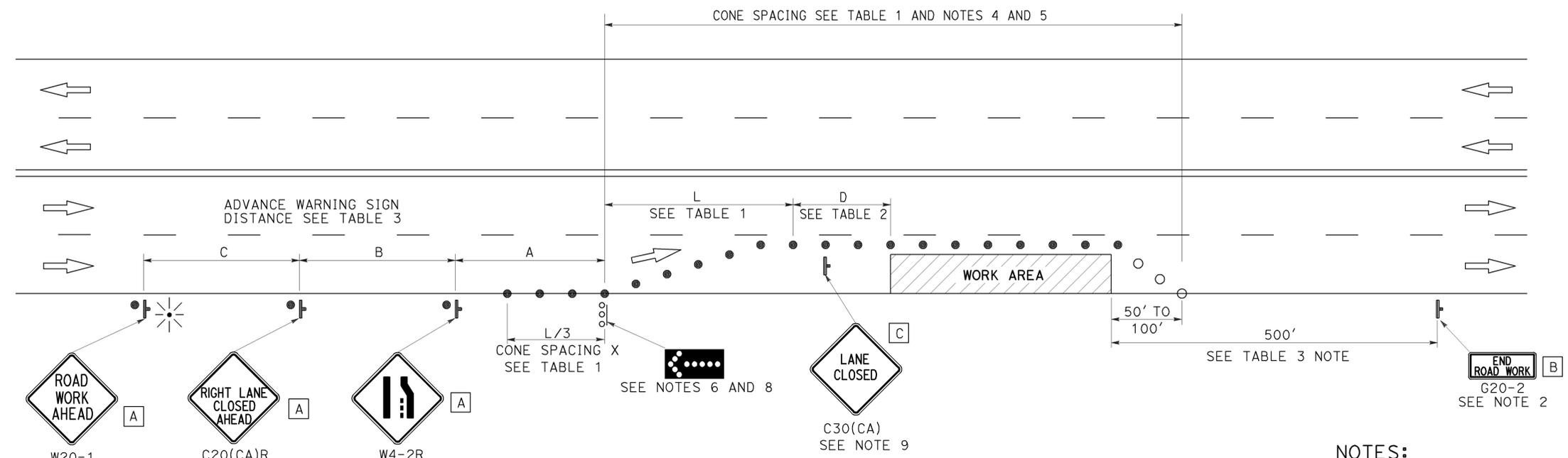
2010 REVISED STANDARD PLAN RSP T9

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	39	1.1/8.2	25	25


 REGISTERED CIVIL ENGINEER
 April 19, 2013
 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.


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

TO ACCOMPANY PLANS DATED 10-06-14



TYPICAL LANE CLOSURE

NOTES:

See Revised Standard Plan RSP T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, 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:

- 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.
- 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.
- 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.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Flashing arrow sign shall be either Type I or Type II.
- 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.
- 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.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
- 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