Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Cal	4	R0.0/R21.1	11	19

REGISTERED CIVIL ENGINEER 1-5-15 DATE

01-05-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JOSE A. ALICEA II No. 64817 Exp. 6/30/15 CIVIL STATE OF CALIFORNIA

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

NOTES:
1. * - TOTAL INCLUDED IN ROADWAY ITEMS TABLE.
2. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

CONFORM TAPERS AT MBGR

LOCATION		L	W	COLD PLANE AC Pvmt	RHMA-G
PM / PM				SQYD	TON
R9.20 / R9.40		1060′	26′	3,063	215
R9.72 / R9.92		1060′	26′	3,063	215
R10.36 / R10.48		640′	26′	2,369	166
16.15 / 16.15		82′	26′	237	17
17.60 / 17.60		200′	26′	578	41
R19.55 / R19.68		690′	26′	1,994	140
			TOTAL	11,304 *	794 *

CONFORM TAPERS

LOCATION		L	W	COLD PLANE AC Pvmt	RHMA-G
PM	DESCRIPTION			SQYD	TON
R0.00	Rte 4 (BEGIN CONSTRUCTION)	50′	40′	223	16
R5.89	LITTLE JOHNS CREEK (APPROACH)	230′	40′	1023	72
R5.89	LITTLE JOHNS CREEK (DEPARTURE)	230′	40′	1023	72
R19.08	CONCRETE CROSSING (APPROACH)	50′	40′	223	16
R19.08	CONCRETE CROSSING (DEPARTURE)	50′	40′	223	16
R21.10	Rte 4 (END CONSTRUCTION)	10′	60′	67	5
			TOTAL	2782 *	197*

DIKE ITEMS

LOCATION		REMOVE AC DIKE	PLACE HMA DIKE (TYPE E)	HMA (TYPE A)
PM / PM	SIDE	LF	LF	TON
R0.00 / R0.27	R+	1,430	1,430	38
R0.35 / R2.47	R+	11,200	11,200	295
R2.54 / R2.82	R+	1,480	1,480	39
R3.05 / R3.21	R+	850	850	23
R3.35 / R3.52	R+	900	900	24
R3.83 / R3.94	R+	590	590	16
R4.21 / R5.54	R+	7,030	7,030	186
R5.76 / R5.90	R+	740	740	20
R5.95 / R6.02	R+	370	370	10
R6.10 / R6.39	R+	1,540	1,540	41
R6.45 / R6.86	R+	2,170	2,170	58
R7.21 / R7.29	R+	430	430	12
R7.60 / R7.79	R+	1,010	1,010	27
18.85 / 18.88	R+	160	160	5
R0.00 / R0.36	L+	1,910	1,910	51
R0.53 / R1.15	L+	3,280	3,280	87
R1.33 / R2.00	L+	3,540	3,540	94
R2.48 / R2.78	L+	1,590	1,590	42
R3.00 / R4.16	L+	6,130	6,130	162
R4.26 / R4.51	L+	1,320	1,320	35
R5.34 / R5.43	L+	480	480	13
R6.04 / R6.10	L+	320	320	9
R6.16 / R6.82	L+	3,490	3,490	92
R7.33 / R7.56	L+	1,220	1,220	33
R7.63 / R8.12	L+	2,590	2,590	69
	TOTAL	55,770	55,770	1481*

REPAIR FAILED AREAS

LOCATION		L	W	COLD PLANE AC Pvmt	HMA (TYPE A)
PM / PM	SIDE			SQYD	TON
R8.40 / R9.90	EB/WB	8100′	4′	3600	608
12.90 / 14.50	EB/WB	8600′	4′	3823	645
17.80 / 18.80	EB/WB	5300′	4′	2356	398
			TOTAL	9779*	1651*

1

REPAIR FAILED AREA LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS, LENGTHS, AND WIDTHS SHALL BE DETERMINED BY THE ENGINEER.

CONFORM TAPERS AT PUBLIC ROAD INTERSECTIONS

LOCATION			L	W	COLD PLANE AC Pvmt	HMA (TYPE A)
PM	SIDE	DESCRIPTION			SQYD	TON
R0.96	L+	TELEGRAPH COURT	145′	25′	403	36
R0.96	R+	TELEGRAPH ROAD	110′	30′	367	33
R2.95	L+	MURPHY DRIVE	56′	68′	424	38
R2.95	R+	SHIRLEY ROAD	54′	30′	180	16
R5.08	L+	HORSESHOE DRIVE	52′	34′	197	18
R5.08	R+	HORSESHOE DRIVE	52′	30′	174	16
R7.32	L+	HODSON ROAD	45′	85′	425	38
R7.32	R+	REEDS TURNPIKE	56′	85′	529	47
R8.14	L+	ROCK CREEK ROAD	145′	32′	516	46
R8.14	R+	O′BYRNE′S FERRY ROAD	85′	30′	284	26
R14.01	L+	HUNT ROAD	60′	20′	134	12
R20.58	R+	ANGLES OAKS DRIVE	60′	40′	267	24
R20.82	L+	FOUNDRY LANE	34′	24′	91	9
R20.82	R+	FOUNDRY LANE	40′	38′	169	15
				TOTAL	4160 *	374 *

1 REPLACED PER ADDENDUM No. 1 DATED JUNE 2, 2015

SUMMARY OF QUANTITIES
Q-1

JAA	01/13/15	JOSE A. ALICEA II	BRUCE G. SUMIDA
REVISED BY	DATE REVISED	CALCULATED-DESIGNED BY	CHECKED BY

FUNCTIONAL SUPERVISOR: ALVIN MANGINDIN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

LAST REVISION 00-00-00 | DATE PLOTTED => 29-MAY-2015 | TIME PLOTTED => 09:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Cal	4	R0.0/R21.1	12	19

REGISTERED CIVIL ENGINEER 1-5-15 DATE

01-05-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JOSE A. ALICEA II No. 64817 Exp. 6/30/15 CIVIL STATE OF CALIFORNIA

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

1

ROADWAY ITEMS

LOCATION	COLD PLANE AC PAVEMENT	HIGH FRICTION SURFACE TREATMENT (EPOXY RESIN)	RHMA-G	HOT MIX ASPHALT-(TYPE A)	TACK COAT	SHOULDER BACKING
	SQYD	SQYD	TON			
PM R0.00/R21.09			27,800		76	8800
PM 16.83/17.23		5200				
REPAIR FAILED AREAS	9,779			1651	3	
CONFORM TAPERS AT MBGR	11,304		794		3	
CONFORM TAPERS AT PUBLIC ROAD INTERSECTIONS	4,160			374	1	
CONFORM TAPERS AT PRIVATE DRIVEWAYS			77		1	
CONFORM TAPERS	2,782		197		1	
AC DIKE				1481	2	
TOTAL	28,025	5200	28,868	3510	87	8800

TRAFFIC MANAGEMENT SYSTEM ELEMENT (EXISTING)

LOCATION	PM	DESCRIPTION
EAST OF Sta/Cal Co LINE	R0.05	TRAFFIC MONITORING STATION
WEST OF STATE ROUTE 49	R19.96	FLASHING BEACON
JUNCTION STATE 49	R21.09	TRAFFIC SIGNAL

TRAFFIC MANAGEMENT SYSTEM ELEMENTS LOCATIONS ARE APPROXIMATE.

ADJUST INLET

LOCATION		TYPE	EA
PM	DESCRIPTION		
1.55	LEFT SHOULDER	GRATE	1
1.66	LEFT SHOULDER	GRATE	1
3.74	LEFT SHOULDER	GRATE	1
3.81	LEFT SHOULDER	GRATE	1
6.69	LEFT SHOULDER	GRATE	1
6.78	LEFT SHOULDER	GRATE	1
		TOTAL	6

SHOULDER RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)

LOCATION PM / PM	SIDE	STATION	DESCRIPTION
R2.00 / R10.55	R†	452	RIGHT EDGE LINE RUMBLE STRIP
12.49 / 13.00	R†	27	RIGHT EDGE LINE RUMBLE STRIP
R19.00 / R21.09	R†	111	RIGHT EDGE LINE RUMBLE STRIP
R2.00 / R10.55	L†	452	RIGHT EDGE LINE RUMBLE STRIP
R12.49 / 13.00	L†	27	RIGHT EDGE LINE RUMBLE STRIP
R19.00 / R21.09	L†	111	RIGHT EDGE LINE RUMBLE STRIP
TOTAL		1180	

CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)

LOCATION PM / PM	STATION	DESCRIPTION
R2.00 / R10.55	452	CENTERLINE RUMBLE STRIP
12.49 / R21.09	455	CENTERLINE RUMBLE STRIP
TOTAL	907	

PAVEMENT DELINEATION ITEMS

LOCATION	REMOVE YELLOW THERMO-PLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)			REMOVE THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)								REMOVE PAVEMENT MARKER (N)	PAVEMENT MARKER (RETROREFLECTIVE)							REMOVE THERMOPLASTIC PAVEMENT MARKING	THERMOPLASTIC PAVEMENT MARKING							
	4" YELLOW			8" WHITE	4" WHITE		4" YELLOW					8" WHITE		TYPE D					TYPE G	TYPE H									
	DETAIL 22	DETAIL 22 (Mod)	DETAIL 29	DETAIL 38	DETAIL 27B	DETAIL 27C	DETAIL 6	DETAIL 19	DETAIL 22	DETAIL 22 (Mod)	DETAIL 29	DETAIL 38		DETAIL 6	DETAIL 19	DETAIL 22	DETAIL 22 (Mod)	DETAIL 29	DETAIL 38	DETAIL 19		TYPE III (R) ARROW	TYPE III (L) ARROW	TYPE V ARROW	SIGNAL	AHEAD	AIRCRAFT PATROL	LIMIT LINE	STOP
PM	LF			LF	LF								EA	EA							SQFT	SQFT							
R0.00/R21.09	1986	104,934	4224	7510	202,302	2890	33,791	27,670	1986	104,934	4224	7510	6356	716	310	100	4384	88	162	596	1133	252	588	66	32	31	164	759	440
TOTAL	111,144			7510	385,307									6356							1133	2332							

LOCATIONS OF PAVEMENT DELINEATION ARE APPROXIMATE.
EXACT LOCATION TO BE DETERMIND BY THE ENGINEER.

1 REPLACED PER ADDENDUM No. 1 DATED JUNE 2, 2015

SUMMARY OF QUANTITIES
Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE

FUNCTIONAL SUPERVISOR: ALVIN MANGINDIN
CALCULATED-DESIGNED BY: JOSE A. ALICEA II
CHECKED BY: BRUCE G. SUMIDA
REVISED BY: JAA
DATE REVISED: 01/13/15

LAST REVISION 00-00-00
DATE PLOTTED => 29-MAY-2015
TIME PLOTTED => 09:14