Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	74	63.0/67.5, 80.3/R92.3	2	10

REGISTERED CIVIL ENGINEER 4-25-13 DATE

3-4-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER WILLIAM AMBROSE No. C72098 Exp. 6/30/14 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.

1

NOTES:

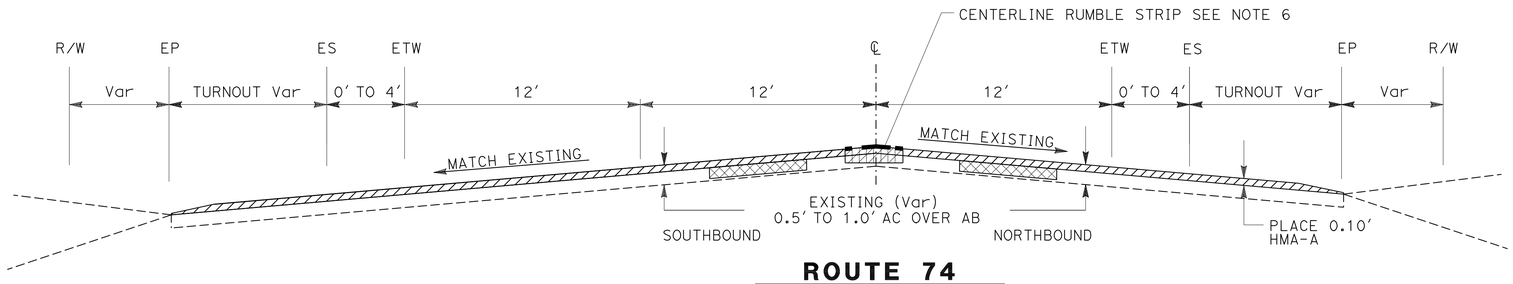
1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
4. ALL WORK WITHIN STATE RIGHT OF WAY.
5. FOR LOCATIONS AND QUANTITIES OF TURNOUTS, SEE SHEET Q-1.
6. CENTERLINE RUMBLE STRIP FROM PM 80.3 TO R92.0. SEE SHEET C-2 AND C-3 FOR DETAILS
7. COLDPLANE AND HMA-A FROM PM 80.3 TO PM R92.0 SEE SHEET C-2 FOR DETAIL

LEGEND:

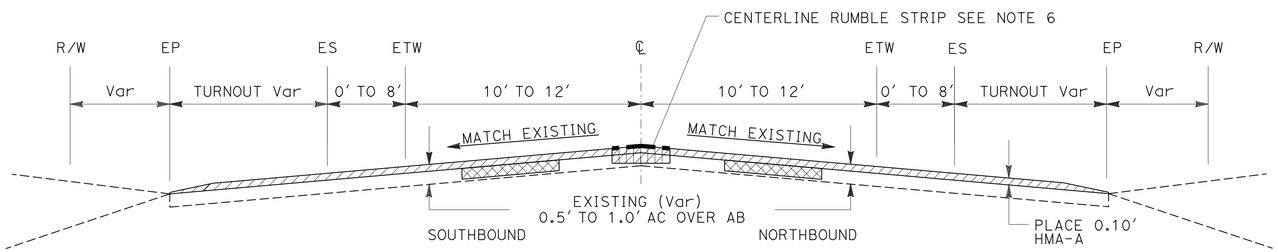
REPLACE ASPHALT CONCRETE SURFACING

HMA-A

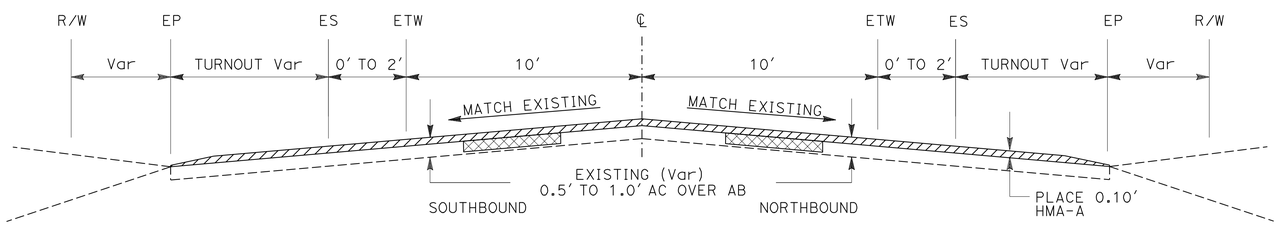
COLDPLANE 0.15′ AND HMA-A SEE NOTE 7



ROUTE 74
PM 89.8 TO PM 90.5



ROUTE 74
PM 90.5 TO PM R92.3
PM 80.3 TO PM 89.8



ROUTE 74
PM 63.0 TO PM 67.5

1 **REVISED PER ADDENDUM No. 1 DATED APRIL 26, 2013**

TYPICAL CROSS SECTIONS

NO SCALE **X-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: KEVIN CHEN
CALCULATED-DESIGNED BY: WILLIAM AMBROSE
CHECKED BY: KEVIN CHEN
REVISED BY
DATE REVISED

LAST REVISION 04-25-13 | DATE PLOTTED => 26-APR-2013 | TIME PLOTTED => 12:10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	74	63.0/67.5, 80.3/R92.3	3A	10

REGISTERED CIVIL ENGINEER 4-25-13 DATE

3-4-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER WILLIAM AMBROSE No. C72098 Exp. 6/30/14 CIVIL STATE OF CALIFORNIA

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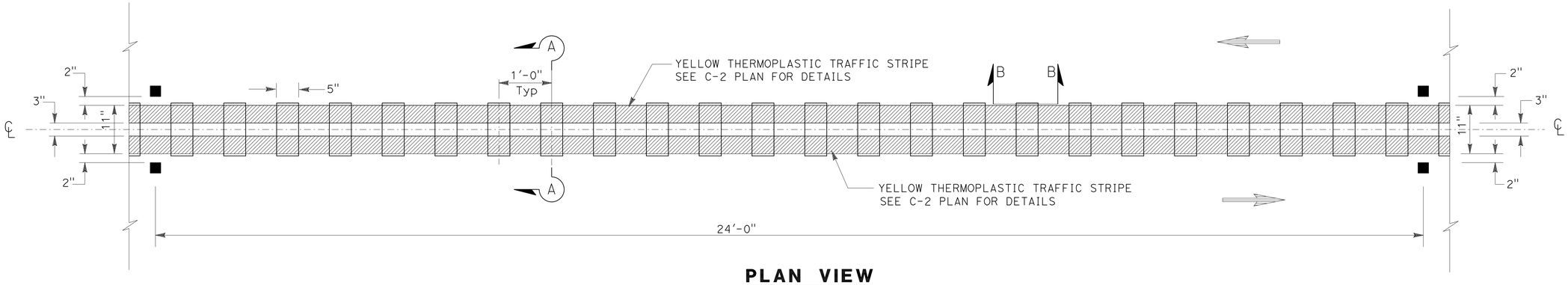
1

LEGEND:

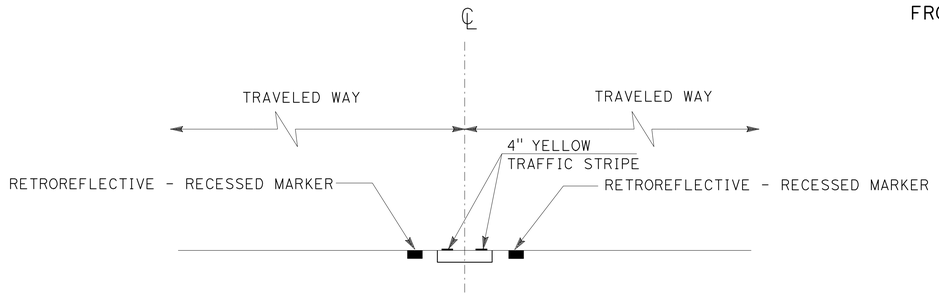
- RETROREFLECTIVE - RECESSED MARKERS
- 4" YELLOW THERMOPLASTIC TRAFFIC STRIPE
- DIRECTION OF TRAVEL
- COLDPLANE 0.15' AND PLACE HMA-A
- HMA-A

NOTES:

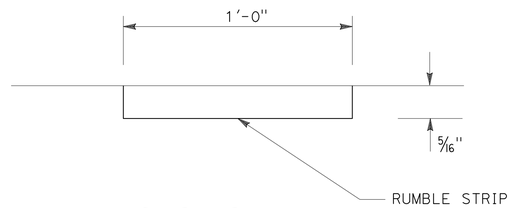
1. EXACT LIMITS SHALL BE DETERMINED BY ENGINEER.
2. FOR PROPOSED PAVEMENT DELINEATION SEE STANDARD PLAN A20A, A20B.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLAN SHEETS.



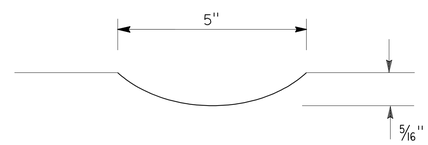
PLAN VIEW
ASPHALT CONCRETE SURFACING GROUND-IN INDENTATIONS
FROM PM 80.3 TO R92.0



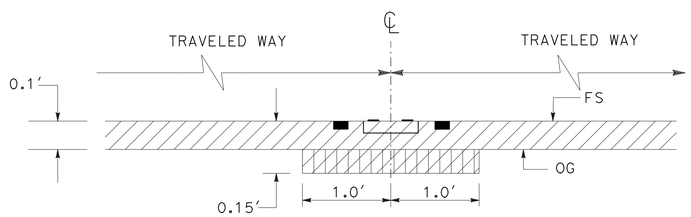
CROSS SECTION
TYPICAL GROUND IN RUMBLE STRIP
PM 80.3 TO PM R92.0



SECTION A-A



SECTION B-B



COLDPLANE RUMBLE STRIP AND HMA-A

1 **ADDED PER ADDENDUM No. 1 DATED APRIL 26, 2013**

CONSTRUCTION DETAILS
NO SCALE **C-2**

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
MARK TALAVERA	KEVIN CHEN

FUNCTIONAL SUPERVISOR: KEVIN CHEN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

LAST REVISION 04-25-13 | DATE PLOTTED => 26-APR-2013 | TIME PLOTTED => 12:10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	74	63.0/67.5, 80.3/R92.3	3B	10

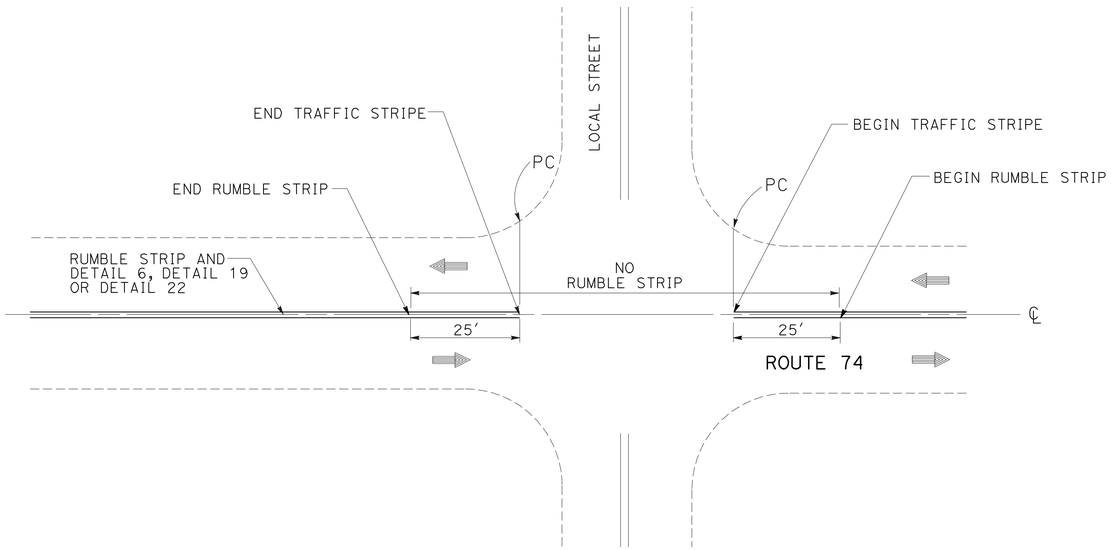
REGISTERED CIVIL ENGINEER 4-25-13 DATE

3-4-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER WILLIAM AMBROSE No. C72098 Exp. 6/30/14 CIVIL STATE OF CALIFORNIA

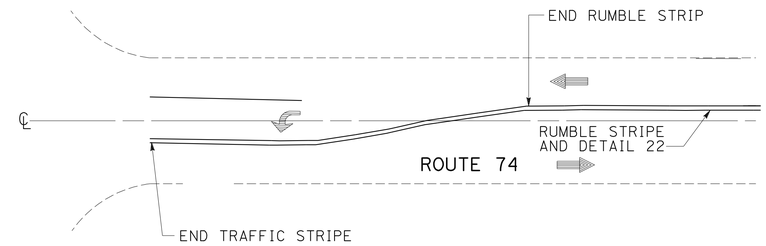
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

1



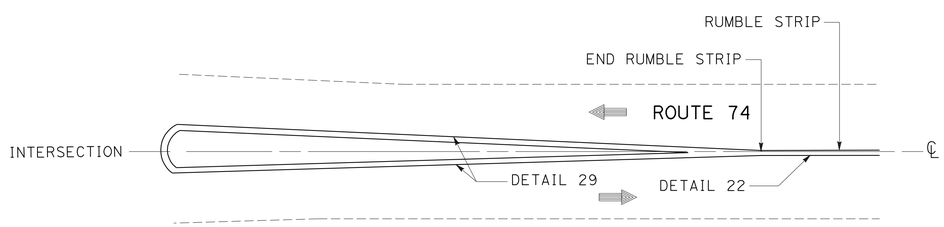
TYPICAL RUMBLE STRIP PLACEMENT WITHIN CENTERLINE AND NO PASSING ZONE TRAFFIC STRIPE

RUMBLE STRIP TO BE PLACED ALONG EXISTING CENTERLINE TRAFFIC STRIPE, EXCEPT 25' PRIOR TO INTERSECTION, THERE SHALL BE NO RUMBLE STRIP. NEW TRAFFIC STRIPE TO BE INSTALLED ON TOP OF RUMBLE STRIP.



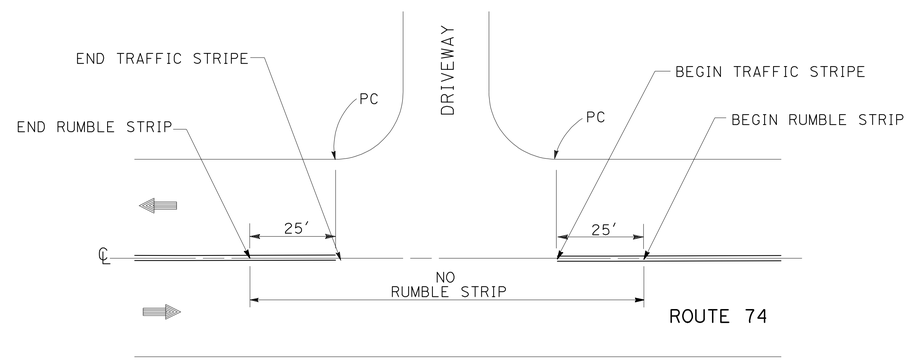
TYPICAL RUMBLE STRIP PLACEMENT WITHIN LEFT-TURN POCKET

RUMBLE STRIP SHALL END AT THE BEGINNING OF EXISTING BAY TAPER RESTRIPE EXISTING DETAIL 22.



TYPICAL RUMBLE STRIP PLACEMENT WITHIN MEDIAN STRIPED ISLAND

RUMBLE STRIP SHALL NOT BE PLACED ALONG MEDIAN STRIPED ISLAND. DETAIL 29 TO BE RESTRIPE AT EXISTING LOCATION.



TYPICAL RUMBLE STRIP PLACEMENT WITHIN DRIVEWAY

RUMBLE STRIP TO BE PLACED ALONG EXISTING CENTERLINE TRAFFIC STRIPE, EXCEPT 25' PRIOR TO DRIVEWAY, THERE SHALL BE NO RUMBLE STRIP.

1 **ADDED PER ADDENDUM No. 1 DATED APRIL 26, 2013**

CONSTRUCTION DETAILS

NO SCALE **C-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: KEVIN CHEN
CALCULATED-DESIGNED BY: MARK TALAVERA
CHECKED BY: KEVIN CHEN
REVISED BY
DATE REVISED

LAST REVISION 04-25-13 | DATE PLOTTED => 26-APR-2013 | TIME PLOTTED => 12:10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	74	63.0/67.5, 80.3/R92.3	5	10

REGISTERED CIVIL ENGINEER 2-27-13 DATE

3-4-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER OSCAR ALEJANDRE No. C70863 Exp. 6/30/13 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 (PM)	DESCRIPTION	REMOVE PAVEMENT MARKERS	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)			PAVEMENT MARKERS RETROREFLECTIVE RECESSED			THERMOPLASTIC PAVEMENT MARKING
		TYPE D	4" WHITE	4" YELLOW	8" WHITE	TYPE D	TYPE G	TYPE H	
		(EA)	(LF)			(EA)			SF
63.0 TO 67.5	DETAIL 6			7339		154			
	DETAIL 19			11141		234		466	
	DETAIL 22			5280		442			
	DETAIL 27B		47520						
80.3 TO R92.3	DETAIL 12		6970				147		
	DETAIL 22			62674		5226			
	DETAIL 27B		141082						
	DETAIL 29			8341		698			
	DETAIL 38A				412				
	ARROWS TYPE IV (L,R) AND VI AND LIMIT LINES MARKINGS								216
89.0 TO R92.3	DETAIL 22	1450							
	SUBTOTAL	1450	195572	94775	412	6754	147	466	216
	TOTAL	1450	290759			7367			216

1

PORTABLE CHANGEABLE MESSAGE SIGN

QUANTITY
EA
2

1 REVISED PER ADDENDUM No. 1 DATED APRIL 26, 2013

PAVEMENT DELINEATION QUANTITIES

PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: BILL WASSER
CALCULATED-DESIGNED BY: OSCAR ALEJANDRE
CHECKED BY: DARYUSH NAMI
REVISED BY
DATE REVISED

LAST REVISION 02-27-13
DATE PLOTTED => 26-APR-2013
TIME PLOTTED => 12:10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	74	63.0/67.5, 80.3/R92.3	6	10

REGISTERED CIVIL ENGINEER 4-25-13 DATE

3-4-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER WILLIAM AMBROSE No. C72098 Exp. 6/30/14 CIVIL STATE OF CALIFORNIA

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

NOTE:

1. SEE SHEET C-1 FOR CONSTRUCTION DETAILS.

HMA-A ADDITIONAL AREAS

ITEM No.	DESCRIPTION	PM	TACK COAT (TON)	HMA-A (TON)
1	TURNOUT	63.26	0.1	24
2	INTERSECTION	63.74	0.1	7
3	INTERSECTION	65.70	0.1	50
4	TURNOUT	80.50	0.1	25
5	INTERSECTION	80.57	0.1	23
6	RIGHT TURN POCKET	80.57	0.1	35
7	TURNOUT	81.00	0.3	114
8	TURNOUT	81.30	0.2	72
9	TURNOUT	81.50	0.1	32
10	TURNOUT	81.86	0.1	6
11	TURNOUT	82.11	0.1	22
12	TURNOUT	82.42	0.2	53
13	INTERSECTION	82.45	0.1	9
14	TURNOUT	83.32	0.1	40
15	INTERSECTION	84.01	0.1	30
16	TURNOUT	84.10	0.1	11
17	TURNOUT	84.40	0.1	21
18	TURNOUT	84.83	0.1	18
19	TURNOUT	85.05	0.1	4
20	TURNOUT	85.15	0.1	34
21	TURNOUT	85.47	0.1	21
22	TURNOUT	85.58	0.1	11
23	TURNOUT	85.82	0.1	35
24	TURNOUT	85.87	0.1	13
25	TURNOUT	86.06	0.1	47
26	TURNOUT	86.14	0.1	42
27	TURNOUT	86.28	0.1	40
28	TURNOUT	86.70	0.1	19
29	TURNOUT	87.00	0.1	29
30	TURNOUT	87.06	0.1	4
31	TURNOUT	87.21	0.1	24
32	TURNOUT	87.50	0.1	31
33	TURNOUT	88.00	0.1	32
34	TURNOUT	89.07	0.1	33
35	TURNOUT	91.38	0.1	8
36	INTERSECTION	92.10	0.1	5
37	TURN LANE	92.15	0.2	60
38	INTERSECTION	92.20	0.1	3
		SUBTOTAL	4	1086

OVERLAY PAVEMENT HMA-A

PM BEGIN	PM END	TACK COAT (TON)	HMA-A (TON)
63.00	67.5	7	3524
80.3	R92.3	20	10734
	SUBTOTAL	27	14258
	TOTAL	~~31~~ 33	~~15345~~ 16830

1

COLD PLANE AREAS
~~COLD PLANE TAPER AREAS~~

1

LOCATION PM	DESCRIPTION	COLD PLANE SQYD
63.0	BEGIN HMA-A OVERLAY	267
63.0	HURKEY CREEK BRIDGE	378
63.00	ANTSELL CREEK BRIDGE	378
63.00	SERVO CREEK	378
80.3	SF SAN JACINTO BRIDGE	133
80.3	END HMA-A OVERLAY	189
63.7	INTERSECTION	223
65.7	INTERSECTION	1514
80.5	INTERSECTION	699
82.4	INTERSECTION	264
84.0	INTERSECTION	911
92.1	INTERSECTION	149
92.2	INTERSECTION	92
	~~TOTAL~~ SUBTOTAL	5574
	TOTAL	19680

REPLACE ASPHALT CONCRETE SURFACING

LOCATION FROM PM	TO PM	DIRECTION	VOLUME CY
63.0	66.0	SB	198
63.0	66.3	NB	166
		TOTAL	365

(**) EXACT LOCATIONS AND DIMENSIONS OF REPLACE AC SURFACING SHALL BE DETERMINED BY THE ENGINEER.

REPLACE RUMBLE STRIP

LOCATION	COLDPLANE 0.15' SUBTOTAL	HMA-A SUBTOTAL	TACK COAT SUBTOTAL	CENTERLINE RUMBLE STRIP (GROUND-IN INDENTATION)
PM TO PM	SQYD	TON	TON	(STA)
PM 80.3 TO PM 92.0	14,100	1430	2	617

1

1 REVISED PER ADDENDUM No. 1 DATED APRIL 26, 2013

SUMMARY OF QUANTITIES

Q-1

LAST REVISION 04-25-13 | DATE PLOTTED => 26-APR-2013 | TIME PLOTTED => 12:10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: KEVIN CHEN
CALCULATED-DESIGNED BY: WILLIAM AMBROSE
CHECKED BY: KEVIN CHEN
REVISED BY
DATE REVISED