Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	99	29.0/30.8	2	40

REGISTERED CIVIL ENGINEER 6-07-11 DATE

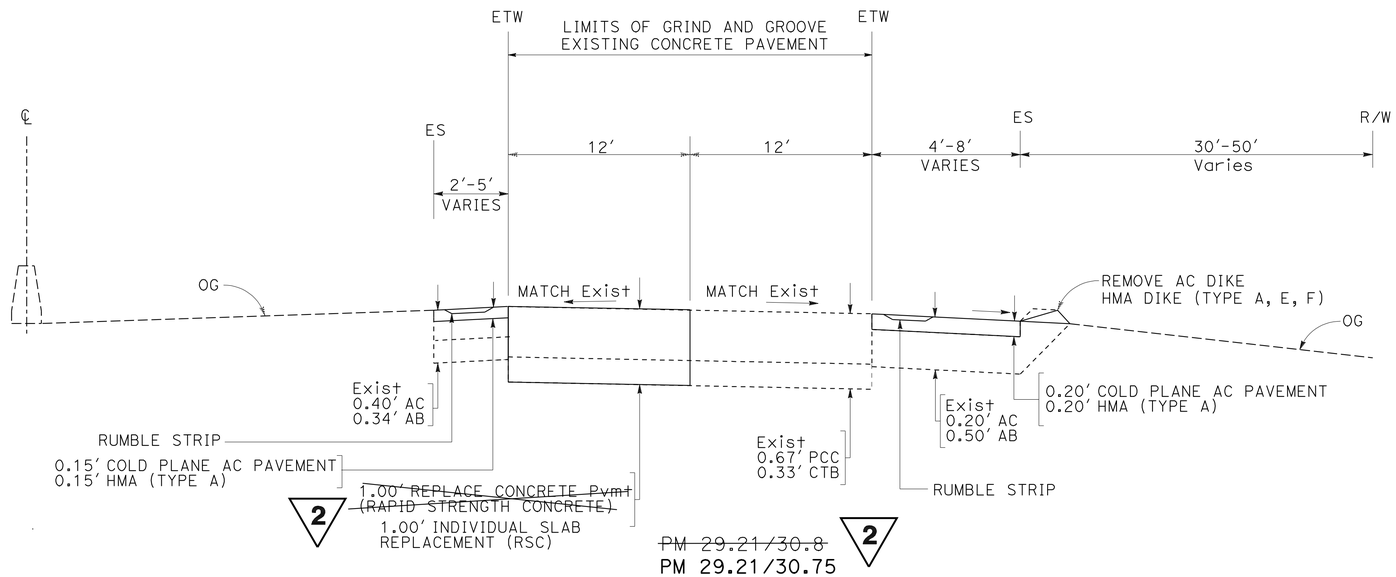
6-13-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARY J. STEVENS No. 75552 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

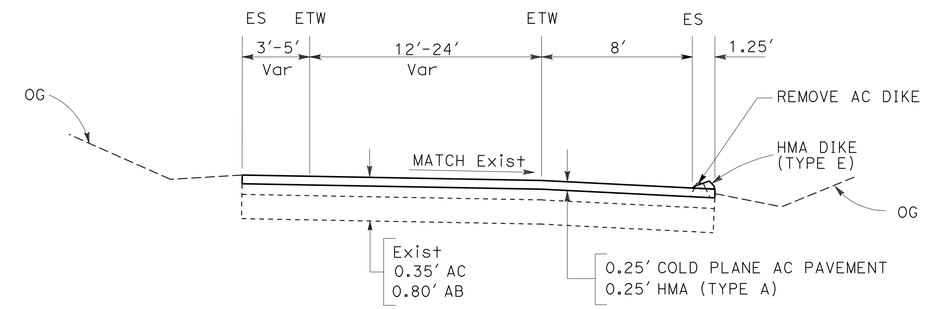
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

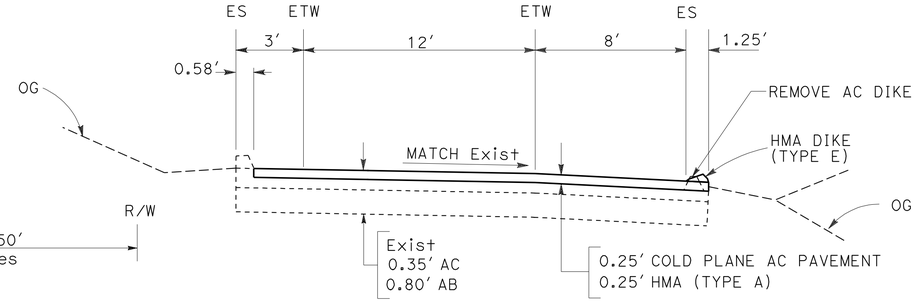
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
3. FOR REPLACE CONCRETE PAVEMENT DIMENSIONS AND LOCATIONS, SEE SUMMARY OF QUANTITIES SHEET.
4. FOR COLD PLANE DIMENSIONS AND LOCATIONS, SEE SUMMARY OF QUANTITIES.



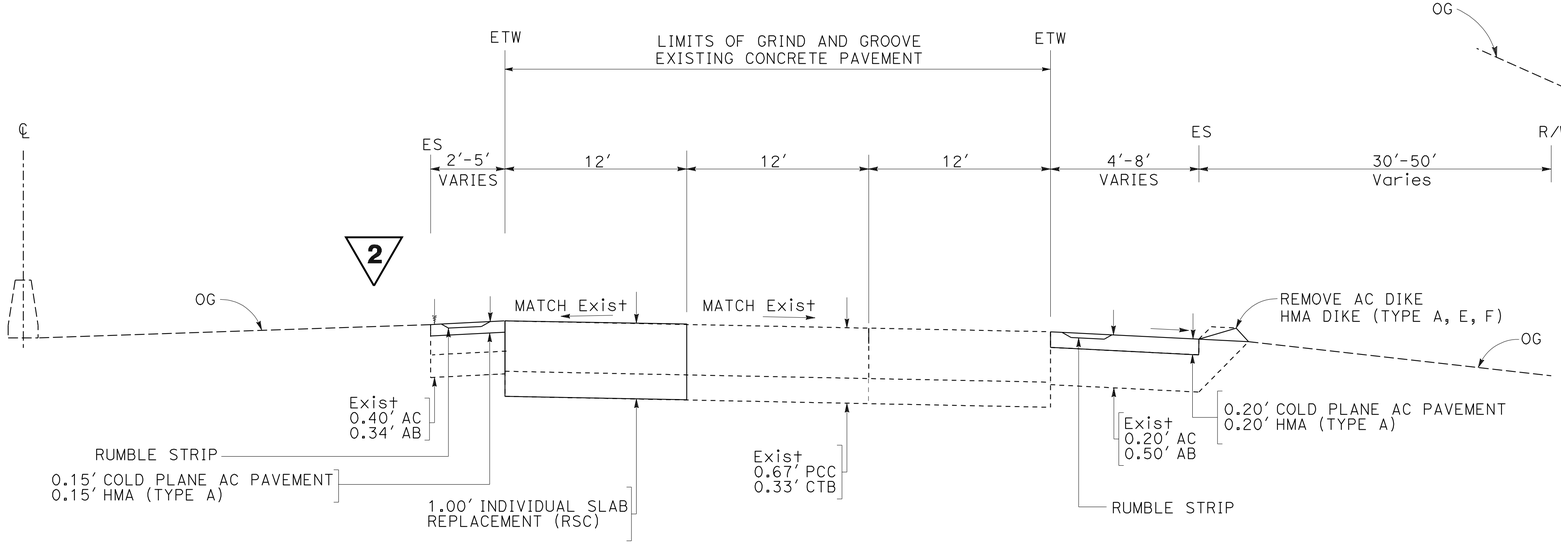
ROUTE 99 NORTHBOUND LANES



ROUTE 99/12 SEPARATION OFF-RAMPS



ROUTE 99/12 SEPARATION ON-RAMPS



PM 29.0/29.21

ROUTE 99 NORTHBOUND LANES

TYPICAL CROSS SECTIONS

NO SCALE

X-1

2 **REVISED PER ADDENDUM No. 2 DATED OCTOBER 21, 2011**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR: JOSE HUERTA
CALCULATED-DESIGNED BY: MARY J STEVENS
CHECKED BY: JOSE HUERTA
REVISED BY
DATE REVISED

LAST REVISION 10-20-11
DATE PLOTTED => 21-OCT-2011
TIME PLOTTED => 11:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	99	29.0/30.8	15	40

REGISTERED CIVIL ENGINEER 6-07-11 DATE

6-13-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARY J. STEVENS No. 75552 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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

NOTES:

1. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.
2. EXACT LIMITS OF COLD PLANE AC PAVEMENT TO BE DETERMINED IN FIELD BY THE ENGINEER.
3. EXACT CONCRETE SLAB LOCATIONS TO BE DETERMINED BY THE ENGINEER.
4. * - TOTAL INCLUDED IN ROADWAY ITEMS TABLE.

COLD PLANE AC PAVEMENT, HMA (TYPE A) (RAMP CONFORM TAPERS)

PM	LOCATION	LENGTH (N)	Ave WIDTH (N)	DEPTH (N)	COLD PLANE AC Pvmt	HMA (TYPE A)
					SQYD	TON
29.49	NB OFF-RAMP TO ROUTE 99/12	30'	63'	0.25'	210	34
29.49	SB ON-RAMP TO ROUTE 99/12	30'	56'	~~0.15'~~ 0.25'	187	30
29.50	NB ON-RAMP TO ROUTE 99/12	30'	63'	0.25'	210	34
29.50	SB OFF-RAMP TO ROUTE 99/12	30'	56'	0.25'	187	30
				TOTAL	794 *	~~116~~ 126 *

2

COLD PLANE AC PAVEMENT, HMA (TYPE A) (SHOULDERS)

PM/PM	LOCATION	LENGTH (N)	WIDTH (N)	DEPTH (N)	COLD PLANE AC Pvmt	HMA (TYPE A)
		LF	LF	LF	SQYD	TON
29.0/30.75	NB Rt SHOULDER	9240.00	8.00	~~0.15~~ 0.20	8,214	~~1102~~ 1050
29.0/29.03	NB Lt SHOULDER	158.40	5.00	0.15	88	9
29.5/30.75	NB Lt SHOULDER	6600.00	5.00	0.15	3,667	352
				TOTAL	11,969 *	~~1411~~ * 1463

2

COLD PLANE AC PAVEMENT, HMA (TYPE A) (RAMPS)

PM/PM	LOCATION	LENGTH (N)	WIDTH (N)	DEPTH (N)	COLD PLANE AC Pvmt	HMA (TYPE A)
		LF	LF	LF	SQYD	TON
29.28/29.49	NB OFF-RAMP TO ROUTE 99/12	1130	37	0.25	4,650	743
29.31/29.49	SB ON-RAMP ROUTE 99/12	1587	23	0.25	4,056	648
29.50/29.73	NB ON-RAMP ROUTE 99/12	1230	29	0.25	3,964	633
29.50/29.80	SB OFF-RAMP ROUTE 99/12	1587	23	~~0.15~~ 0.25	4,056	~~389~~ 648
				TOTAL	16,726*	~~2413*~~ 2672*

2

NOTE: SOUTHBOUND OFF-RAMP PAVEMENT WIDTH DOES NOT INCLUDE OUTSIDE SHOULDER

ROUTE 99/12 ROADSIDE GORE AREA

PM/PM	LOCATION	LENGTH (N)	WIDTH (N)	DEPTH (N)	MINOR CONCRETE (TEXTURED PAVING)	AGGREGATE BASE CLASS 2
		LF	LF	LF	SQFT	CY
29.28/29.49	NB OFF-RAMP TO ROUTE 99/12	264	18	0.50	2376	44
29.31/29.49	SB ON-RAMP ROUTE 99/12	264	18	0.50	2376	44
				TOTAL	4752	88

HMA DIKE

LOCATION	REMOVE AC DIKE	PLACE HMA DIKE (TYPE E)	PLACE HMA DIKE (TYPE F)	PLACE HMA DIKE (TYPE A)	HMA (TYPE A)
PM TO PM	LF	LF	LF	LF	TON
29.03 - 29.07	158.40	158.40			4
29.03 - 29.07	211.20		211.20		3
29.07 - 29.35	1,478.40	1478.40			37
29.31 - 29.49 (SB ON-RAMP ROUTE 99/12)	950.40		950.40		24
29.33 - 29.49 (NB OFF-RAMP ROUTE 99/12)	844.80		844.80		21
29.37 - 29.38	52.80		52.80		1
29.43 - 29.48	264.00	264.00			7
29.48 - 29.56	422.40		422.40		5
29.50 - 29.66 (NB ON-RAMP ROUTE 99/12)	844.80		844.80		21
29.59 - 29.69	528.00	528.00			13
29.91 - 30.35	2,323.00		2323.00		30
30.35 - 30.56	1,108.80	1108.80			28
30.56 - 30.58	105.60		105.60		1
30.58 - 30.75	897.60			897.60	23
TOTAL	10,190.40	3537.60	5755.20	897.60	218*

NOTE: SOUTHBOUND OFF-RAMP ROUTE 99/12 EXISTING DIKE REMAINS IN PLACE.

CONCRETE PAVEMENT ITEMS

2

LOCATION	LENGTH (N)	WIDTH (N)	DEPTH (N)	INDIVIDUAL SLAB REPLACEMENT	DOWEL BAR (DRILL & BOND)
	LF	LF	LF	CY	LF
LANE No. 1	920	12	1	409	1380
LANE No. 2	2900	12	1	1289	4350
			TOTAL	1698	5730

2 REVISED PER ADDENDUM No. 2 DATED OCTOBER 21, 2011

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

FUNCTIONAL SUPERVISOR: JOSE HUERTA
CALCULATED-DESIGNED BY: PERCY MARAGOS
CHECKED BY: JOSE HUERTA
REVISED BY
DATE REVISED

LAST REVISION 10-20-11
DATE PLOTTED => 21-OCT-2011
TIME PLOTTED => 11:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	99	29.0/30.8	16	40

REGISTERED CIVIL ENGINEER 6-07-11 DATE

6-13-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER MARY J. STEVENS No. 75552 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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

CONCRETE PAVEMENT ITEMS

2

LOCATION (PM)	LANE No.1 (N)	LANE No.2 (N)	LANE No.3 (N)	INDIVIDUAL SLAB REPLACEMENT (RSC)	DOWEL BAR (DRILL & BOND)
	LF	LF	LF	CY	LF
29.025		17	17	16	54
29.065			17	8	27
29.068		17	17	16	54
29.090		17	17	16	54
29.091			17	8	27
29.100			17	8	27
29.110			17	8	27
29.117			17	8	27
29.119			17	8	27
29.120			12	6	27
29.125			12	6	27
29.127	17			8	27
29.130			17	8	27
29.145			19	9	27
29.152			18	8	27
29.153			30	14	27
29.191			12	6	27
29.193			12	6	27
29.210			18	8	27
29.226		17		8	27
29.227		12		6	27
29.229	29	29		26	54
29.230		18		8	27
29.250		17		8	27
29.251		45		20	27
29.252		18		8	27
29.253		12		6	27
29.276		12		6	27
29.280		19		9	27
29.285		19		9	27
29.300		12		6	27
29.310		18		8	27
29.320		18		8	27
29.325		19		9	27
29.326		12		6	27
29.330		18		8	27
29.340		18		8	27
29.350		18		8	27
29.352		18		8	27
29.390	36	36		32	54
SUBTOTAL	46	281	303	295	945

2

LOCATION (PM)	LANE No.1 (N)	LANE No.2 (N)	LANE No.3 (N)	INDIVIDUAL SLAB REPLACEMENT (RSC)	DOWEL BAR (DRILL & BOND)
	LF	LF	LF	CY	LF
29.424	50			23	54
29.440	50	50		45	54
29.460	50	50		45	54
29.470	32	32		29	54
29.473	32	32		29	54
29.474	12	12		11	54
29.510	16	16		15	54
29.526		12		6	27
29.578	19	19		17	54
29.677		19		9	27
29.678		17		6	27
29.695		12		6	27
29.700	50	50		45	54
29.713	61	61		55	54
29.725	61	61		55	54
29.727	50	50		45	54
29.735	61	61		55	54
29.750	61	61		55	54
29.760	61	61		55	54
29.800	61	61		55	54
29.810	61	61		55	54
29.813	50	50		45	54
29.820	12	12		11	54
29.822		12		6	27
29.825	36	36		32	54
29.840	35	35		32	54
29.850	50	50		45	54
29.861	18	18		16	54
29.862	19	19		17	54
29.925		12		6	27
29.930		32		15	27
30.020	12	12		11	54
30.045	12	12		11	54
30.055	12	12		11	54
30.080		12		6	27
30.085	18	18		16	54
30.115		12		6	27
30.120		18		8	27
30.175	12	12		11	54
30.180	12	12		11	54
SUBTOTAL	1122	1369		1129	2133

2

LOCATION (PM)	LANE No.1 (N)	LANE No.2 (N)	LANE No.3 (N)	INDIVIDUAL SLAB REPLACEMENT (RSC)	DOWEL BAR (DRILL & BOND)
	LF	LF	LF	CY	LF
30.220		30		14	27
30.223		12		6	27
30.280		12		6	27
30.300	30	30		27	54
30.340		18		8	27
30.370		34		16	27
30.400		108		48	27
30.405		12		6	27
30.425		45		20	27
30.430		32		15	27
30.440		54		24	27
30.441		18		8	27
30.470		46		21	27
30.640		12		6	27
30.650		26		12	27
30.670		20		9	27
30.730		134		60	27
SUBTOTAL	30	643		306	486
TOTAL	1198	2293	303	1730	3564

RUMBLE STRIP

PM/PM	SHOULDER	STATION
29.0/30.75	INSIDE	93
29.0/30.75	OUTSIDE	93
	TOTAL	186

CRACK TREATMENT

PM/PM	LENGTH (N)	No. OF LANES (N)	CRACK TREATMENT
	MILES		LANE MILE
29.0/29.20	0.20	3	0.60
29.20/30.75	1.75	2	3.50
		TOTAL	4.10

2

ROADWAY ITEMS

LOCATION	HMA (TYPE A)	TACK COAT	GRIND AND GROOVE EXISTING CONCRETE PAVEMENT	COLD PLANE AC PAVEMENT
	TON		SQYD	
PM 29.0/30.75 (Shld TRAVEL LANES)	~~1463~~ 1411	5		11,969
RAMP CONFORM TAPERS	~~116~~ 126	1		794
RAMPS	~~2413~~ 2672	7		16,726
HMA DIKE	218			
NB TRAVEL WAY			26,961	
TOTAL	~~4210~~ 4427	13	26,961	29,489

NOTE: CONCRETE PAVEMENT CALCULATIONS BASED ON A 12' LANE WIDTH AND 1' DEPTH

2 **REVISED PER ADDENDUM No. 2 DATED OCTOBER 21, 2011**

SUMMARY OF QUANTITIES
Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans 06-DESIGN

REVISED BY	DATE REVISED
PERCY MARAGOS	JOSE HUERTA
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	JOSE HUERTA

LAST REVISION 10-19-11 DATE PLOTTED => 21-OCT-2011 TIME PLOTTED => 11:37