Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Lak	29,53	20.1/20.4, 0.0/2.9	3	55

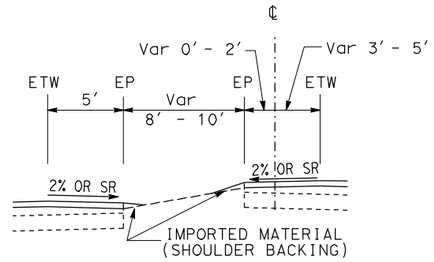
REGISTERED CIVIL ENGINEER 4-26-11 DATE

6-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT MANN No. 72005 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

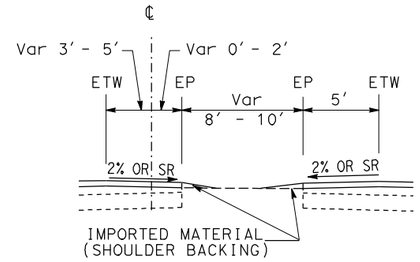
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

2



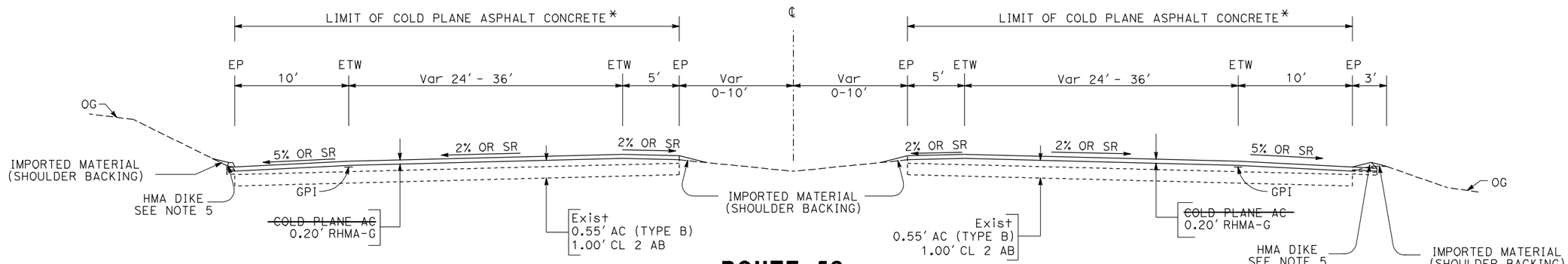
PM 1.34 TO 1.45
PM 1.82 TO 1.96

ROUTE 53



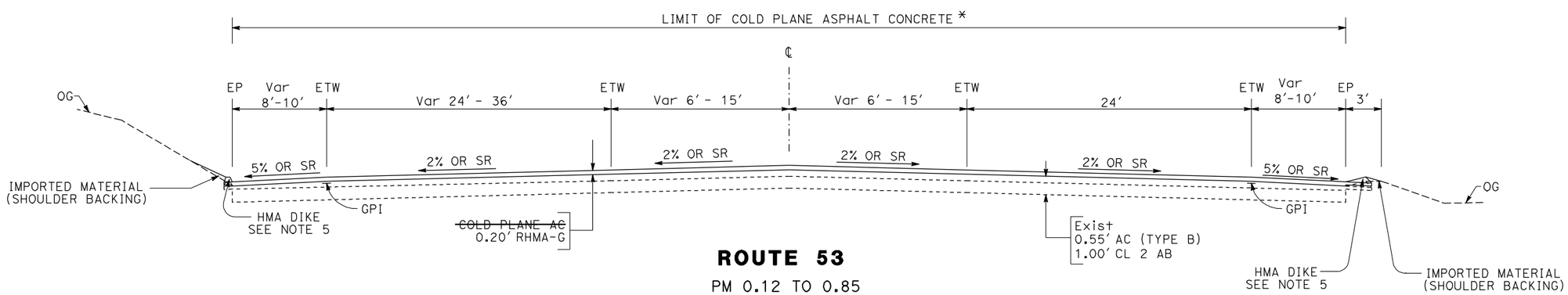
PM 1.99 TO 2.13

ROUTE 53



ROUTE 53

PM 0.85 TO 1.45
PM 1.66 TO 1.96
PM 1.99 TO 2.71



ROUTE 53

PM 0.12 TO 0.85
PM 1.45 TO 1.66
PM 1.96 TO 1.99
PM 2.71 TO 2.90

* COLD PLANE FROM:
PM 0.00 - 0.17
PM 1.02 - 1.04
PM 1.10 - 1.12
PM 1.43 - 1.50
PM 1.94 - 2.01
PM 2.88 - 2.90

2 **REVISED PER ADDENDUM No. 2 DATED SEPTEMBER 29, 2011**

TYPICAL CROSS SECTIONS

NO SCALE

X-2

REVISED BY	DATE REVISED
PATRICK KYO	CHRISTOPHER BRADANICK
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	SCOTT MANN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
NORTH REGION
DIVISION OF ENGINEERING
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 29-SEP-2011
TIME PLOTTED => 08:48

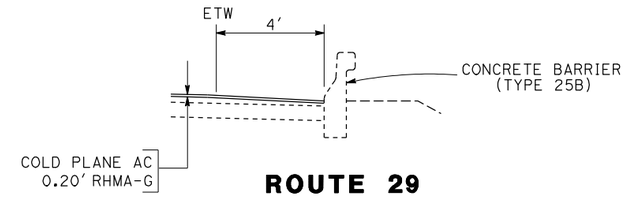
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Lak	29,53	20.1/20.4, 0.0/2.9	4	55

REGISTERED CIVIL ENGINEER — DATE 4-26-11

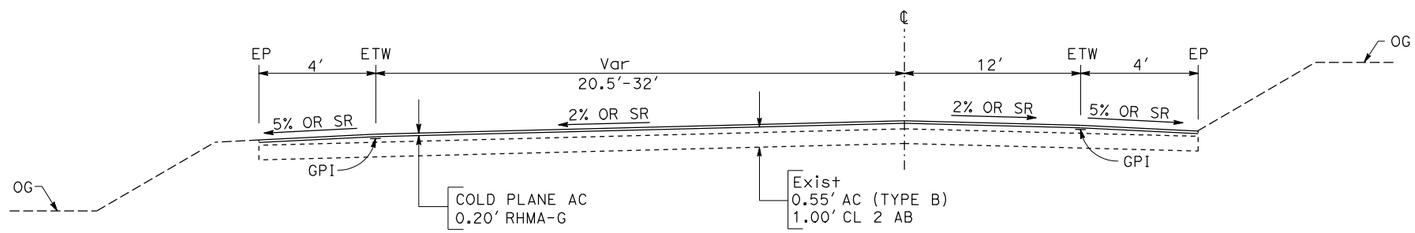
6-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SCOTT MANN — No. 72005 — Exp. 6-30-12 — CIVIL — STATE OF CALIFORNIA

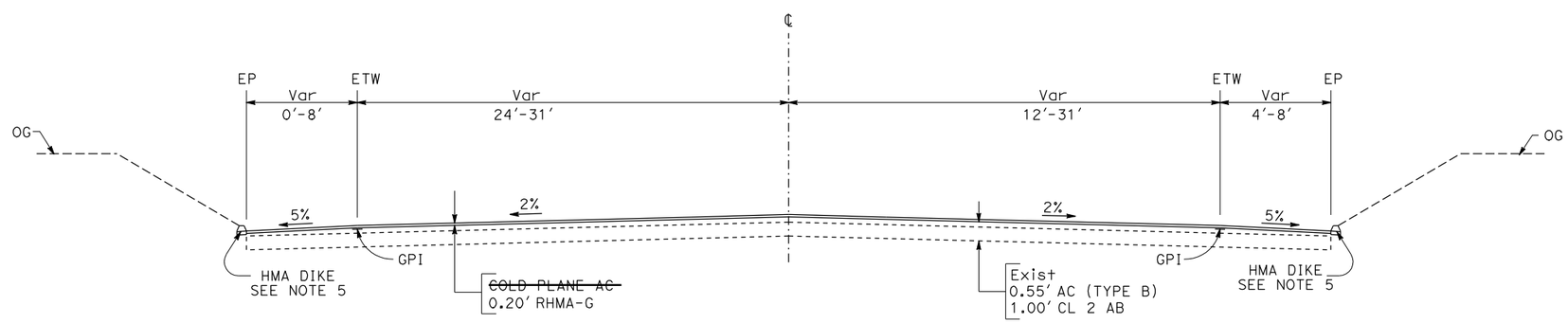
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



ROUTE 29
PM 20.33 TO 20.35



ROUTE 29
PM 20.30 TO 20.40



ROUTE 29
PM 20.10 TO 20.3 *

2 * COLD PLANE FROM PM 20.10 TO PM 20.12

2 **REVISED PER ADDENDUM No. 2 DATED SEPTEMBER 29, 2011**

TYPICAL CROSS SECTIONS
NO SCALE

X-3

REVISED BY	DATE REVISED
LUZ VILLANUEVA	CHRISTOPHER BRADANICK

CALCULATED-DESIGNED BY / CHECKED BY

FUNCTIONAL SUPERVISOR: SCOTT MANN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
NORTH REGION
DIVISION OF ENGINEERING

LAST REVISION 00-00-00 | DATE PLOTTED => 28-SEP-2011 | TIME PLOTTED => 15:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Lak	29,53	20.1/20.4, 0.0/2.9	9	55

REGISTERED CIVIL ENGINEER 4-26-11 DATE

6-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT MANN No. 72005 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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2

NOTES:

1. SUPERELEVATION AS SHOWN OR DIRECTED BY THE ENGINEER.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

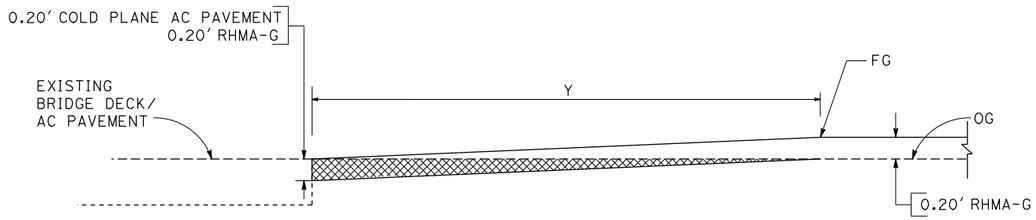
LEGEND:

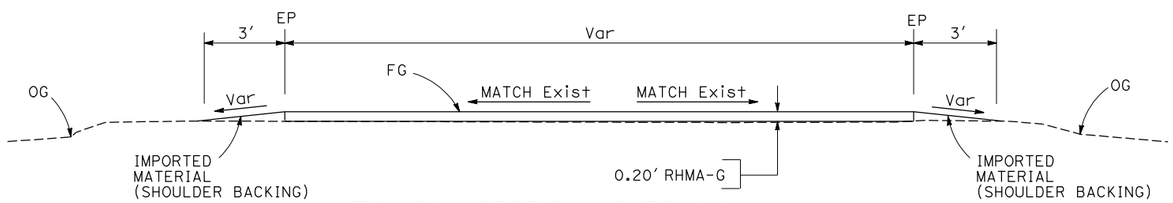
COLD PLANE AC PAVEMENT

0.20' RHMA-G

PAVING CONFORM

LOCATION	Y (LF)
BEGIN & END CONSTRUCTION	100
BEGIN & END BRIDGE DECK	100
~~PUBLIC Rd/LOCAL Rd~~	~~40~~
~~PRIVATE Rd/DRIVEWAY~~	~~4~~

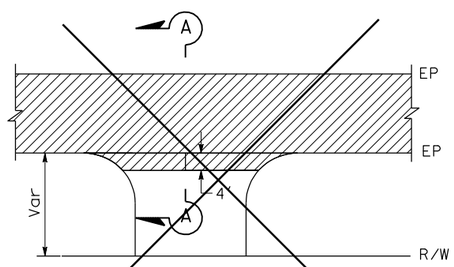




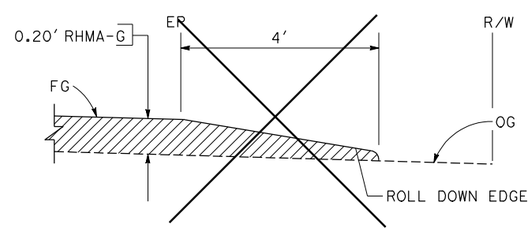
TYPICAL SECTION (OVERLAY)
PUBLIC, PRIVATE & LOCAL Rd

LAKE 29/53

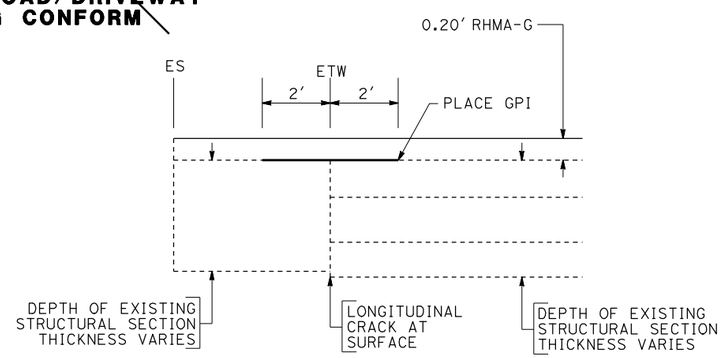
LOCATION	DIRECTION	PM	X(LF)
Hwy 29 Dwy	NB	20.15	20
Hwy 53 MORGAN VALLEY Rd	NB	0.00	100
Hwy 53 Dwy COMMERCIAL	NB	0.03	20
Hwy 53 Dwy COMMERCIAL	NB	0.05	20
Hwy 53 WILSON STREET	NB	0.09	40
Hwy 53 Dwy COMMERCIAL	NB	0.12	20
Hwy 53 ORCHARD STREET	NB	0.15	20
Hwy 53 FLORENCE STREET	NB	0.21 ~~0.2~~	40
Hwy 53 JESSIE STREET	NB	0.26 ~~0.24~~	40
Hwy 53 Dwy - PRIVATE	NB	0.3	20
Hwy 53 Dwy - PRIVATE	NB	0.46	20
Hwy 53 Dwy - PRIVATE	NB	0.53 ~~0.52~~	20
Hwy 53 Dwy - PRIVATE	NB	0.55	20
Hwy 53 Dwy - PRIVATE	NB	1.0 ~~0.97~~	20
Hwy 53 DAM Rd	NB	1.47	80
Hwy 53 18th Ave	NB	2.00	40
Hwy 53 18th Ave	SB	2.00	40
Hwy 53 OLD STATE Hwy	SB	1.49	80
Hwy 53 ANDERSON RANCH PARKWAY	SB	0.65	40
Hwy 53 Dwy - PRIVATE	SB	0.55	20
Hwy 53 Dwy COMMERCIAL	SB	0.49	20
Hwy 53 Dwy COMMERCIAL	SB	0.42	20
Hwy 53 Dwy COMMERCIAL	SB	0.36	20
Hwy 53 KUGELMAN STREET	SB	0.29	40
Hwy 53 Dwy COMMERCIAL	SB	0.25	20
Hwy 53 Dwy COMMERCIAL	SB	0.23	20
Hwy 53 Dwy COMMERCIAL	SB	0.14	20
Hwy 29 Dwy	WB	20.43	15
Hwy 29 LEELAND Rd	WB	20.46	40
Hwy 29 Dwy - PRIVATE	WB	20.63	20
Hwy 29 Dwy - PRIVATE	EB	20.65	20
Hwy 29 BELL PARK Ave	EB	20.57	20
Hwy 29 Dwy - PRIVATE	EB	20.48	20
Hwy 29 Dwy - PRIVATE	EB	20.45	20
Hwy 29 Dwy - PRIVATE	EB	20.44	20
Hwy 29 Dwy - PRIVATE	EB	20.37	20
Hwy 29 Dwy COMMERCIAL	EB	20.35	20
Hwy 29 Dwy COMMERCIAL	EB	20.34	20
Hwy 29 Dwy COMMERCIAL	EB	20.33	20
Hwy 29 Dwy COMMERCIAL	EB	20.26	20



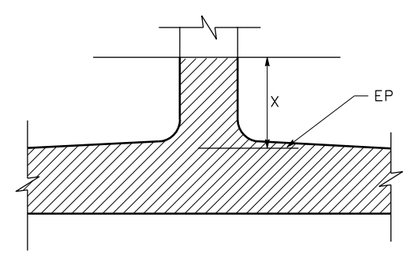
~~PRIVATE ROAD/DRIVEWAY~~
PAVING CONFORM



SECTION A-A



STRUCTURAL SECTION AND GEOSYNTHETIC INTERLAYER
(GPI DETAIL)



~~PUBLIC ROAD/LOCAL ROAD CONNECTION~~
PUBLIC, PRIVATE & LOCAL Rd CONNECTION

2 **REVISED PER ADDENDUM No. 2 DATED SEPTEMBER 29, 2011**

CONSTRUCTION DETAILS

NO SCALE

C-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
NORTH REGION DIVISION OF ENGINEERING

FUNCTIONAL SUPERVISOR: SCOTT MANN
CALCULATED-DESIGNED BY: LUZ VILLANUEVA
CHECKED BY: CHRISTOPHER BRADANICK
REVISED BY / DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 28-SEP-2011
TIME PLOTTED => 15:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Lak	29,53	20.1/20.4, 0.0/2.9	21	55

REGISTERED CIVIL ENGINEER 4-26-11 DATE

6-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT MANN No. 72005 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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HMA DIKE

ROUTE	POST MILE	DIRECTION SIDE	PLACE HMA DIKE (TYPE A)	PLACE HMA DIKE (TYPE C)	PLACE HMA DIKE (TYPE D)	PLACE HMA DIKE (TYPE E)	PLACE HMA DIKE (TYPE F)	REMOVE AC DIKE	HOT MIX ASPHALT -TYPE A
			LF	LF	LF	LF	LF	LF	TON
53	0.02 TO 0.03	NB/R+	43					43	1.2
53	0.04 TO 0.05	NB/R+	37					37	1.0
53	0.08 TO 0.10	NB/R+	93					93	2.5
53	0.11 TO 0.20	SB/R+	472					472	12.9
53	0.16 TO 0.23	NB/R+	391					391	10.7
53	0.21 TO 0.22	SB/R+	48					48	1.3
53	0.25 TO 0.26	NB/R+			36			36	2.1
53	0.27 TO 0.29	NB/R+			110			110	6.5
53	0.29 TO 0.30	NB/R+			26			26	1.5
53	0.31 TO 0.46	NB/R+			818			818	48.5
53	0.34 TO 0.39	SB/R+			272			272	16.1
53	0.4 TO 0.46	SB/R+			305			305	18.1
53	0.47 TO 0.51	SB/R+			204			204	12.1
53	0.47 TO 0.50	NB/R+			136			136	8.1
53	0.50 TO 0.51	NB/R+		56				56	0.4
53	0.51 TO 0.52	SB/R+					61	61	0.8
53	0.51 TO 0.52	NB/R+					56	56	0.7
53	0.52 TO 0.53	SB/R+		15				15	0.1
53	0.52 TO 0.52	NB/R+	22					22	0.6
53	0.53 TO 0.59	SB/R+			316			316	18.7
53	0.63 TO 1.05	SB/R+			2189			2189	129.9
53	0.70 TO 0.84	NB/R+			757			757	44.9
53	1.10 TO 1.14	SB/R+					242	242	3.2
53	1.14 TO 1.16	SB/R+		62				62	0.5
53	1.16 TO 1.20	SB/R+			245			245	14.5
53	1.13 TO 1.25	NB/R+	640					640	17.5
53	1.25 TO 1.27	NB/R+			153			153	9.1
53	1.27 TO 1.46	NB/R+	964					964	26.4
53	1.34 TO 1.44	MEDIAN	549					549	15.0
53	1.41 TO 1.45	SB/R+	251					251	6.9
53	1.49 TO 1.52	NB/R+	172					172	4.7
53	1.52 TO 1.70	NB/R+			951			951	56.4
53	1.78 TO 1.87	SB/R+			487			487	28.9
53	1.84 TO 1.96	NB/R+	646					646	17.7
53	1.87 TO 1.96	SB/R+	543					543	14.8
53	2.00 TO 2.04	SB/R+			227			227	13.5
53	2.00 TO 2.30	NB/R+	1624					1624	44.4
53	2.13 TO 2.31	SB/R+	951					951	26.0
53	2.30 TO 2.69	NB/R+			2026			2026	120.2
53	2.31 TO 2.70	SB/R+			2038			2038	120.9
53	2.69 TO 2.81	NB/R+	626					626	17.1
53	2.70 TO 2.76	SB/R+	298					298	8.1
53	2.76 TO 2.90	SB/R+			616			616	36.5
53	2.81 TO 2.87	NB/R+			344			344	20.4
53	2.87 TO 2.92	NB/R+				244		244	6.4
29	20.10 TO 20.18	SB/R+	424					244	11.6
29	20.15 TO 20.27	NB/R+	617					617	16.9
29	20.18 TO 20.22	SB/R+			206			206	12.2
29	20.22 TO 20.26	SB/R+	195					195	5.3
29	20.27 TO 20.28	NB/R+			85			85	5.0
		SUBTOTAL	9606	113	12,547	244	359	22,889	1019.3
	SUBTOTAL FROM OVERSIDE DRAIN								50.9
		TOTAL	9606	113	12,547	244	359	22,889	1070.2

*FOR TOTAL SEE ROADWAY QUANTITIES TABLE

Temp DRAINAGE INLET PROTECTION

ROUTE	POST MILE	LOCATION	DI TYPE	DRAINAGE INLET PROTECTION
				EA
53	1.10	MEDIAN	G1	1

CURB RAMP DETECTABLE WARNING SURFACE

ROUTE	LOCATION	SIDE	LENGTH TOTAL	WIDTH	CURB RAMP DETECTABLE WARNING SURFACE
			FT	FT	SQYD
53/29	Hwy 29 AND 53 INTERSECTION				
		SOUTHEAST CORNER	10	3	3.33
		SOUTHWEST CORNER	12	3	4.00
		NORTHEAST CORNER	5	3	1.67
		NORTHWEST CORNER	13	3	4.33
53	Hwy 53 AND DAM ROAD/OLD STATE Hwy INTERSECTION				
		SOUTHEAST CORNER	5	3	1.67
		SOUTHWEST CORNER	5	3	1.67
		NORTHEAST CORNER	4	3	1.33
		NORTHWEST CORNER	4	3	1.33
53	Hwy 53 AND 18th STREET CORNER				
		SOUTHEAST CORNER	5	3	1.33
		SOUTHWEST CORNER	5	3	1.67
		NORTHEAST CORNER	4	3	1.33
		NORTHWEST CORNER	4	3	1.67
		TOTAL	76	36	25.33

CURB RAMPS

LOCATION	MINOR CONCRETE (CURB RAMP)
	CY
Rte 29 PM 20.1 TO PM 20.4	* 12
Rte 53 PM 0.0 TO PM 2.9	* 12
TOTAL	24

* ASSUMED 60% OF ALL RAMPS TO BE REPLACED AS DETERMINED BY ENGINEER.

2 **REVISED PER ADDENDUM No. 2 DATED SEPTEMBER 29, 2011**

SUMMARY OF QUANTITIES

Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
NORTH REGION DIVISION OF ENGINEERING
Caltrans

FUNCTIONAL SUPERVISOR: SCOTT MANN
CALCULATED-DESIGNED BY: CHRISTOPHER BRADANICK
CHECKED BY: LUZ VILLANUEVA
REVISED BY / DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 28-SEP-2011
TIME PLOTTED => 15:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Lak	29,53	20.1/20.4, 0.0/2.9	22	55

REGISTERED CIVIL ENGINEER 4-26-11 DATE

6-27-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT MANN No. 72005 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA

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2

ROADWAY ITEMS

ROUTE	LOCATION	DIRECTION SIDE	COLD PLANE (0.2' MAXIMUM)	RHMA-G	TACK COAT TON
			SQYD	TON	TON
29	BEGINNING OF PROJECT, BEGIN 100' TRANSITION, Rte 29 PM 20.1 - PM 20.12		474.9	64.1	0.24
29	ROUTE 29, PM 20.12 TO PM ~~20.26~~ 20.30			783.9	2.97
29/53	AT Hwy 29/53/MORGAN VALLEY ROAD INTERSECTION, Rte 29 PM 20.30 - PM 20.40, Rte 53 PM 0.0 - PM 0.17 ~~AT Hwy 29/53/MORGAN VALLEY ROAD INTERSECTION, Rte 53 PM 0.0~~		16,354.4	2207.8	8.35
53	PRIVATE DRIVEWAY, PM 0.21	SB-Rt		13.6	0.05
53	FLORENCE STREET & JESSIE STREET, PM 0.21-PM 0.26	NB-Rt	585.5	79.0	0.30
53	PRIVATE DRIVEWAY, PM 0.23	SB-Rt		3.5	0.01
53	KUGELMAN STREET, PM 0.26	SB-Rt	394.2	53.2	0.20
53	PRIVATE DRIVEWAY, PM 0.26	NB-Rt		5.8	0.02
53	PRIVATE DRIVEWAY, PM 0.29	NB-Rt		6.3	0.02
53	PRIVATE DRIVEWAY, PM 0.33	SB-Rt		17.1	0.06
53	PRIVATE DRIVEWAY, PM 0.39	SB-Rt		15.9	0.06
53	PRIVATE DRIVEWAY, PM 0.47	SB-Rt		18.9	0.07
53	PRIVATE DRIVEWAY, PM 0.47	NB-Rt		8.6	0.03
53	PRIVATE DRIVEWAY, PM 0.53	NB-Rt		7.3	0.03
53	PRIVATE DRIVEWAY, PM 0.53	SB-Rt		6.7	0.03
53	ANDERSON RANCH PARKWAY, PM 0.62	SB-Rt	561.7	75.8	0.29
53	PRIVATE DRIVEWAY, (MOBILE HOME ENTRANCE) PM 1.0	NB-Rt		26.5	0.10
53	PM 0.17 TO PM 1.02			5472.1	20.70
53	CACHE CREEK BRIDGE APPROACH, PM 1.02 - PM 1.04		905.9	122.3	0.46
53	CACHE CREEK BRIDGE APPROACH, PM 1.10 - PM 1.12		867.5	117.1	0.44
53	PM 1.12 TO PM 1.43			2016.8	7.63
53	AT OLD STATE HIGHWAY/DAM ROAD INTERSECTION, PM ~~1.47~~ 1.43 - PM 1.50		5391.8	727.9	2.75
53	PM 1.50 TO PM 1.94			3083.2	11.66
53	AT 18th AVENUE INTERSECTION, PM ~~1.97~~ 1.94 - PM 2.01		4444.1	599.9	2.27
53	PM 2.01 TO PM 2.85			5534.9	20.94
53	END OF PROJECT, END 100' TRANSITION, PM ~~2.9~~ 2.88 - PM 2.9		990.3	133.7	0.51
	TOTAL		30,970.3	21,202.2	80.19

NOTE: ALL DRIVEWAYS AND INTERSECTIONS IDENTIFIED IN THE CHART ON C-5 ARE INCLUDED IN THE MAINLINE QUANTITIES SHOWN ON THIS CHART UNLESS OTHERWISE SPECIFICALLY IDENTIFIED IN THE ABOVE CHART.

RUMBLE STRIP

ROUTE	POST MILE	LENGTH	SHOULDER RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)	CENTERLINE RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)
		FT	STA	STA
53	0.28 TO 1.05	4066	78	17
53	1.09 TO 1.99	4752	124	45
53	2.0 TO 2.9	4752	152	35
TOTAL			354	97

2 **REVISED PER ADDENDUM No. 2 DATED SEPTEMBER 29, 2011**

SUMMARY OF QUANTITIES

Q-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
NORTH REGION DIVISION OF ENGINEERING

FUNCTIONAL SUPERVISOR: SCOTT MANN
CALCULATED-DESIGNED BY: CHRISTOPHER BRADANICK
CHECKED BY: LUZ VILLANUEVA
REVISED BY / DATE REVISED

LAST REVISION 00-00-00 DATE PLOTTED => 28-SEP-2011 TIME PLOTTED => 15:36