Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	CC	4	R26.6/R27.5		

REGISTERED CIVIL ENGINEER — DATE 2/2/11

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — N. V. BERNARDI — No. 45407 — Exp. 9/30/12 — 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.

BKF ENGINEERS
4670 WILLOW ROAD, SUITE 250
PLEASANTON, CA. 94588

CCTA
2999 OAK ROAD, SUITE 100
WALNUT CREEK, CA. 94597

CHANNELIZER

STAGE	LOCATION	STATION	CHANNELIZER EA
1A	"ER"	168+50	6
	"ER"	173+00	7
1B	"ER"	167+50	7
	"ER"	172+00	7
	"G"	111+50	7
1C	"FT"	103+00	48
	"G"	105+00	6
	"G"	102+00	3
	"G"	111+50	6
	"G"	114+50	9
	"G"	115+50	7
	"EL"	158+50	45
2A	"ER"	167+50	11
	"ER"	173+00	12
2B	"ER"	168+50	7
	"ER"	173+00	7
2C	"ER"	167+00	9
	"ER"	169+00	9
	"ER"	172+00	10
	"E"	181+00	9
	"G"	114+00	7
	"FT"	105+50	25
	"FT"	103+00	22
	"G"	102+20	4
2D	"ER"	155+50	9
	"ER"	158+25	6
	"ER"	177+00	13
	"E"	185+50	9
2E	"ER"	161+00	15
	"EL"	165+50	36
	"EL"	172+00	97
	"E"	183+50	15
	"E"	182+00	10
2F	"ER"	163+50	8
	"EL"	168+00	7
	"ER"	174+00	63
3A	"CLOA"	54+00	4
	"CLOA"	56+50	22
3B	"CLOA"	53+50	12
	"CLOA"	56+50	33
3C	"CLOA"	53+60	9
	"CLOA"	55+50	17
	"CLOA"	47+00	36
	"CLOA"	44+82	20
4A	"E"	140+20	9
	"RWN"	51+50	11
	"CLOA"	54+20	7
4B	"RWN"	51+50	8
	"CLOA"	58+50	9
	"CLOA"	59+00	9
	"CLOA"	61+25	14
	"REF"	50+50	9
	"CLOA"	46+50	15
	"CLOA"	42+88	4
	"CLOA"	47+50	19
4C	"E"	134+50	13
5	"E"	133+50	20
	"E"	135+50	25
	"E"	140+00	8
	"E"	141+00	8
	"RWN"	49+00	32
	"CLOA"	53+40	5
	"CLOA"	50+50	7
	"CLOA"	49+70	16
	"CLOA"	48+00	11

STAGE	LOCATION	STATION	EA
5	"CLOA"	56+00	30
	"CLOA"	56+50	17
	"CLOA"	54+50	7
	"REF"	50+00	36
	"CLOA"	45+50	20
6	"E"	130+00	19
	"E"	129+50	15
	"E"	135+00	13
	"REF"	48+00	11
	"CLOA"	50+80	7
	"EL"	163+00	15
	"EL"	174+50	16
	"ER"	162+00	9
	"ER"	174+00	31
	"EL"	174+20	6
7A	"EL"	169+00	125
	"ER"	163+50	56
7B	"CLOA"	44+30	7
	"FT"	90+50	12
	"CLOA"	47+00	3
	"CLOA"	49+50	6
	"REF"	49+00	31
	"CLOA"	52+00	20
	"CLOA"	52+50	13
	"CLOA"	54+90	4
	"CL"	58+50	22
	"CLOA"	56+50	24
	"CLOA"	60+25	15
7C	"CL"	58+50	10
	"CLOA"	54+50	7
	"CLOA"	52+25	24
	"RWF"	55+00	57
	"REN"	55+50	43
	"CLOA"	49+50	12
	"CLOA"	47+50	18
	"CLOA"	45+00	17
8	"REF"	49+50	51
	"CLOA"	61+00	9
		TOTAL	1828

TEMPORARY RAILING (TYPE K)

STAGE	SHEET No.	LOCATION	STATION	LENGTH FT
1A	TH-1	"ER"	169+50 TO 171+20	250
		"ER"	169+00 TO 171+80	280
1B	TH-2	"G"	108+06 TO 111+49	340
		"G"	111+50 TO 111+60	40
		"ER"	169+60 TO 170+40	80
		"ER"	168+60 TO 171+80	320
		"ER"	169+08 TO 171+08	100
		"ER"	169+81 TO 170+61	80
1C	TH-4	"G"	102+45 TO 104+65	240
		"G"	105+75 TO 107+97	220
	TH-5	"G"	111+20 TO 114+10	300
2A	TH-6	"ER"	168+38 TO 171+34	300
		"ER"	170+00 TO 172+00	200
2B	TH-7	"ER"	169+48 TO 171+67	220
		"ER"	169+01 TO 171+80	280
2C	TH-8	"ER"	169+60 TO 171+78	220
		"ER"	169+08 TO 171+28	220
		"ER"	168+37 TO 172+50	420
		"ER"	169+60 TO 172+50	300
		"G"	108+20 TO 113+90	580
	TH-9	"ER"	172+50 TO 180+42	800
		"ER"	172+50 TO 179+90	720
	TH-10	"G"	103+26 TO 108+20	480
		"G"	102+35 TO 102+55	20
		"FT"	101+45 TO 104+00	260
		"ER"	~~165+19 TO 181+72~~ (162+00 TO 171+82)	~~660~~ 980
	TH-11	"ER"	~~165+19 TO 172+50~~ (169+28 TO 172+50)	1320
2D	TH-12	"ER"	~~156+90 TO 172+50~~ (169+70 TO 172+50)	~~1760~~ 1280
		"ER"	172+50 TO ~~181+72~~ 183+20	~~1020~~ 1070
		"ER"	172+50 TO ~~180+12~~ 183+00	~~620~~ 1050
		"E"	177+68 TO 184+68	700
2E	TH-14	"ER"	160+50 TO 169+60	920
		"ER"	161+55 TO 175+50	1420
		"ER"	171+08 TO 175+50	420
	TH-15	"ER"	175+50 TO 179+75	420
		"ER"	175+50 TO 182+17	680
2F	TH-16	"ER"	164+42 TO 170+40	600
		"ER"	160+50 TO 170+25	980
		"EL"	154+50 TO 162+38	780
3A	TH-18	"CLOA"	54+22 TO 55+17	100
3B	TH-19	"CLOA"	54+18 TO 54+75	100
4A	TH-22	"RWN"	43+50 TO 51+40	980
		"REF"	41+10 TO 51+83	1100
		"EL"	153+98 TO 154+50	160
4B	TH-23	"CLOA"	54+26 TO 58+34	420
		"CLOA"	59+22 TO 60+80	160
	TH-24	"CLOA"	43+05 TO 46+21	320
		"CLOA"	49+18 TO 50+35	280
4C	TH-26	"E"	134+50 TO 141+89	740
		"E"	134+63 TO 141+63	700
5	TH-28	"RWN"	35+50 TO 43+50	800
		"E"	135+65 TO 143+50	780
		"E"	140+07 TO 143+50	340
		"E"	141+07 TO 143+50	240
	TH-29	"RWN"	43+50 TO 49+10	560
		"E"	143+50 TO 147+50	400
		"E"	147+50 TO 158+50	1100
		"E"	143+50 TO 147+50	400
		"E"	147+50 TO 158+50	1100
		"REF"	43+50 TO 52+14	860
		"CLOA"	50+44 TO 53+96	360
		"CLOA"	51+20 TO 52+99	180
	TH-30	"EL"	158+50 TO 172+66	1420
		"ER"	158+50 TO 160+50	200

TEMPORARY RAILING (TYPE K)

STAGE	SHEET No.	LOCATION	STATION	LENGTH FT
6	TH-35	"E"	134+80 TO 145+50	1060
		"E"	135+00 TO 145+50	1060
	TH-36	"REF"	48+17 TO 49+17	100
		"EL"	145+80 TO 161+50	1500
		"ER"	145+80 TO 161+50	1500
		"CLOA"	51+50 TO 52+90	140
	TH-37	"ER"	160+50 TO 169+18	940
		"EL"	160+50 TO 173+87	1420
7B	TH-42	"CLOA"	55+63 TO 57+24	160
		"CLOA	52+30 TO 54+75	240
	TH-43	"CLOA"	44+50 TO 46+28	180
		"CLOA"	47+37 TO 52+30	440
		"FT"	88+88 TO 89+45	60
7C	TH-44	"CLOA"	54+68 TO 56+02	80
8	TH-46	"CLOA"	52+45 TO 53+63	100
		"CLOA"	52+45 TO 53+63	120
		"CLOA"	54+48 TO 58+38	400
		"CLOA"	54+40 TO 58+38	400
		"CLOA"	59+05 TO 60+93	200
		"CLOA"	59+13 TO 61+33	220
	TH-47	"CLOA"	43+19 TO 46+31	320
		"CLOA"	43+57 TO 46+31	280
		"CLOA"	47+16 TO 50+21	280
		"CLOA"	47+16 TO 50+21	280
		"CLOA"	50+71 TO 52+45	160
		"CLOA"	50+71 TO 52+45	160
			TOTAL	~~45170~~ 45490

TRAFFIC HANDLING QUANTITIES

THQ-1

REVISED BY	DATE REVISED
KM	2/2/11

KEDI MEI — RODOLFO ONCHI — CALCULATED-DESIGNED BY — CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: NATALINA V. BERNARDI

STATE OF CALIFORNIA — DEPARTMENT OF TRANSPORTATION

Caltrans

LAST REVISION 02-02-11 — DATE PLOTTED => Feb 04 2011 — TIME PLOTTED => 10:33 am