

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PROJECT DEVELOPMENT

FUNCTIONAL SUPERVISOR
 KEVIN ESPINOZA

CHECKED BY
 ERIC SOUZA

DESIGNED BY
 JOSE L. VALDEZ

REVISIONS

REVISOR	DATE	REVISION
ERIC SOUZA		
JOSE L. VALDEZ		

REVISOR
 ERIC SOUZA

DATE
 REVISED BY

NOTES:

- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
- FOR DIKE, REPLACE AC SURFACING, RUMBLE STRIP AND GUARD RAIL LOCATIONS, SEE SUMMARY OF QUANTITIES SHEETS.
- RWMA-0 TO BE PLACED 2' OUTSIDE OF ETW ON MAINLINE ROUTE 70, EXCEPT WHERE SHOWN DIFFERENT, OR AS DIRECTED BY THE ENGINEER.
- FOR COLD PLANE AC PAVEMENT DEPTHS UNDER EXISTING STRUCTURES, SEE CONSTRUCTION DETAIL SHEET C-13.

ABBREVIATIONS

- CP - CATCH POINT
 HMA-A - HOT MIX ASPHALT (TYPE A)
 RWMA-0 - RUBBERIZED WARM MIX ASPHALT (OPEN GRADED)



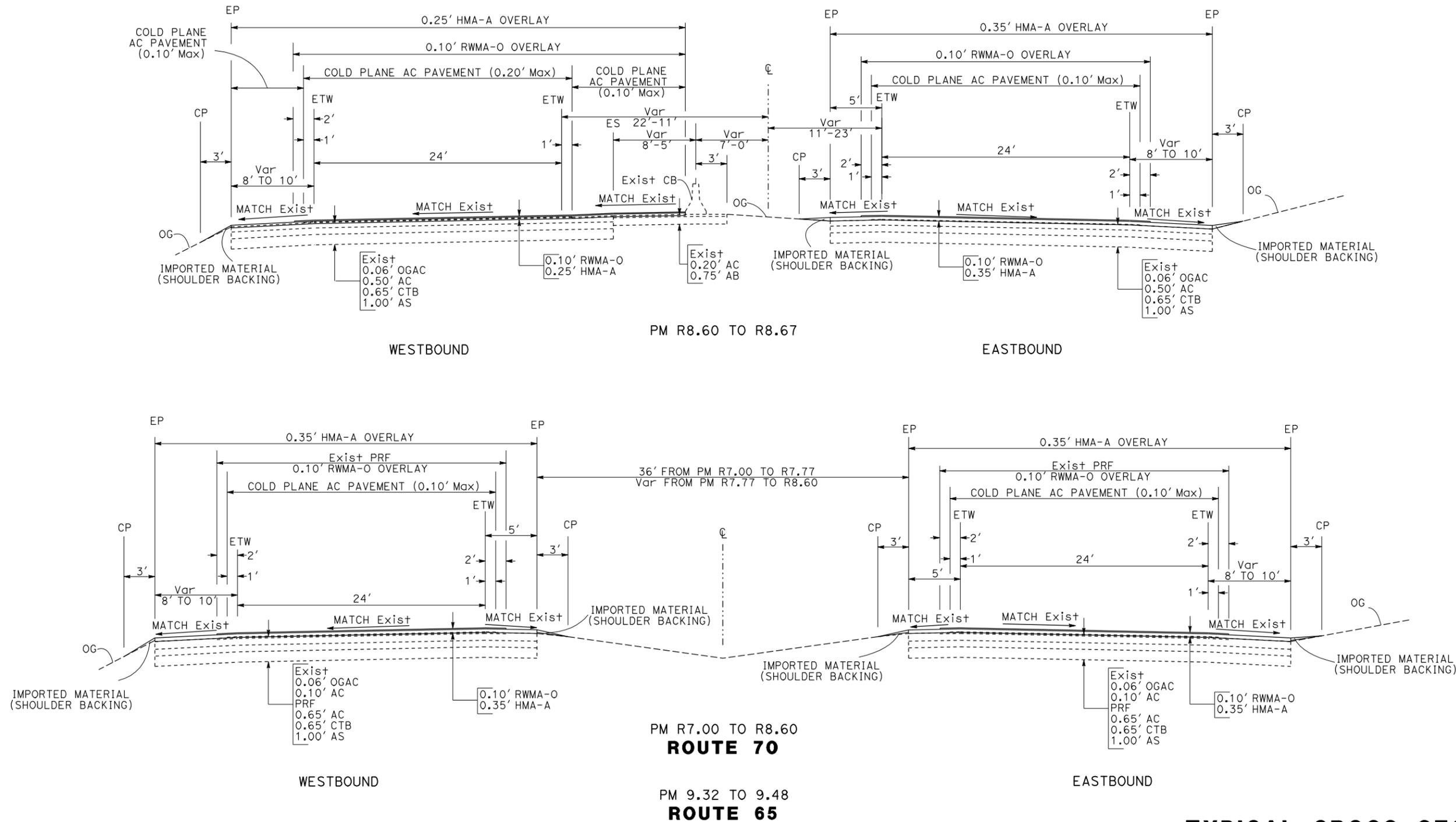
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	2	113

7-26-10
 REGISTERED CIVIL ENGINEER DATE

7-26-10
 PLANS APPROVAL DATE

ERIC NORMAN SOUZA
 No. 75706
 Exp. 06-30-12
 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.



1 REVISED PER ADDENDUM No. 1 DATED
OCTOBER 27, 2010

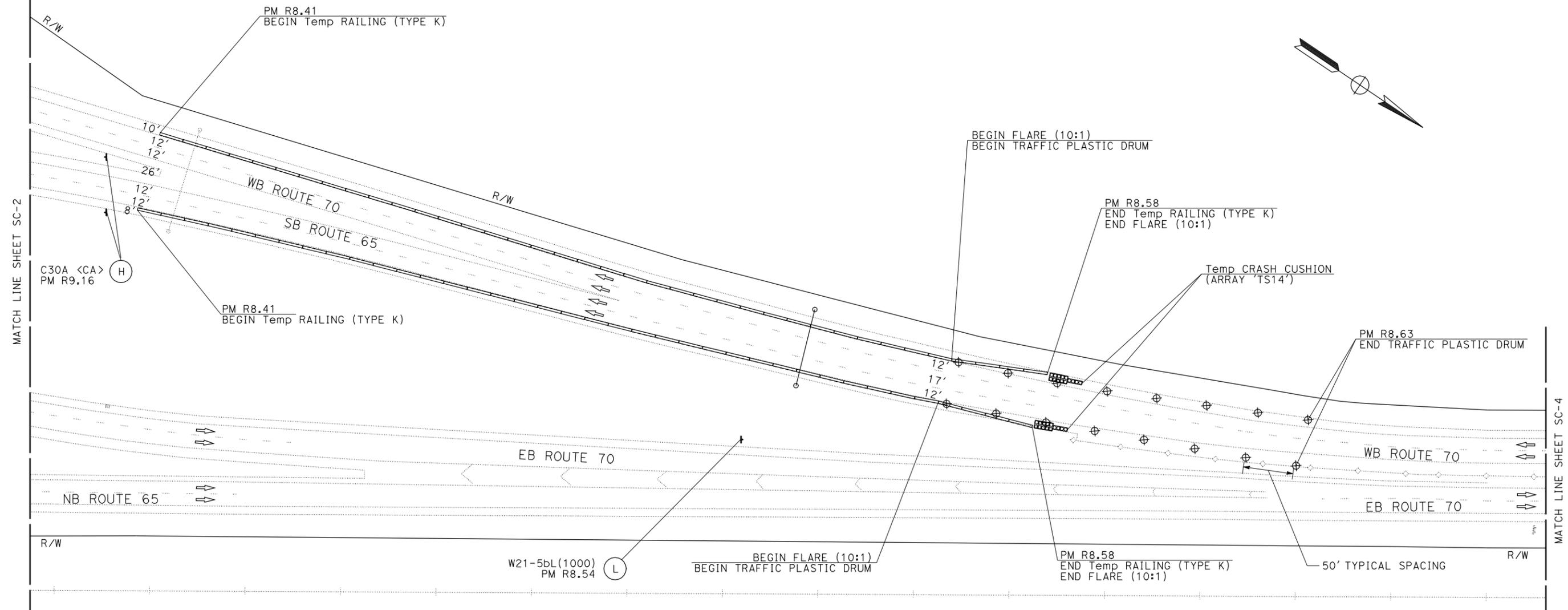
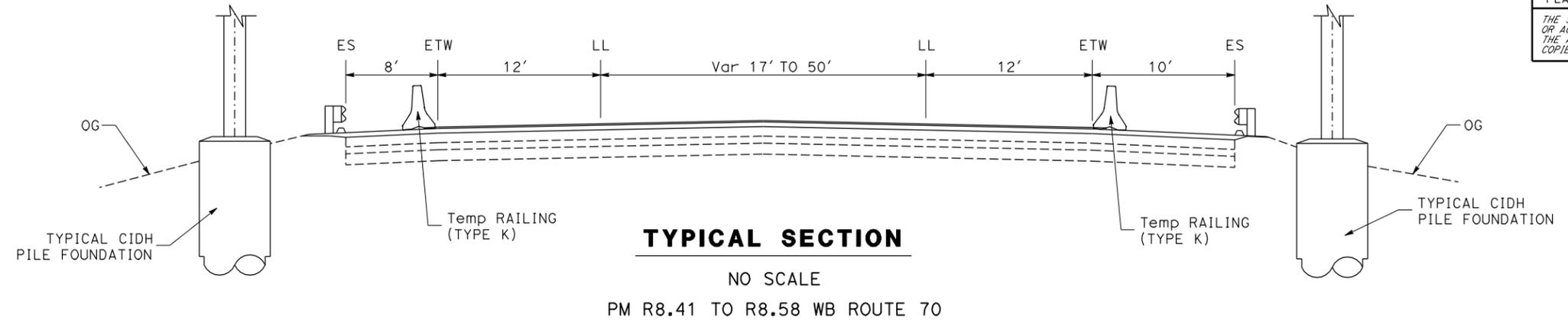
TYPICAL CROSS SECTIONS

NO SCALE

X-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	55	113
			7-26-10	DATE	
REGISTERED CIVIL ENGINEER			DATE		
7-26-10			PLANS APPROVAL DATE		
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. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PROJECT DEVELOPMENT
 FUNCTIONAL SUPERVISOR KEVIN ESPINOZA
 CALCULATED-DESIGNED BY
 CHECKED BY
 REVISOR BY JOSE L. VALDEZ
 DATE REVISED J. A. HUERTA

1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 27, 2010

STAGE CONSTRUCTION
 SCALE: 1" = 50' **SC-3**

LAST REVISION DATE PLOTTED => 27-OCT-2010 TIME PLOTTED => 10:42

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PROJECT DEVELOPMENT
 FUNCTIONAL SUPERVISOR KEVIN ESPINOZA
 CALCULATED-DESIGNED BY CHECKED BY
 JOSE L. VALDEZ J. A. HUERTA
 REVISED BY DATE REVISED
 x
 x
 x
 x
 x

NOTES:

1. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. FOR ADDITIONAL CONSTRUCTION AREA SIGNS, SEE SHEET CS-1.
3. ALL SIGN CODES SHOWN ARE MUTCD SIGN CODES UNLESS OTHERWISE DESIGNATED AS CALIFORNIA SIGN CODES.
4. ALL TRAFFIC PLASTIC DRUMS SHALL BE INSTALLED ON 50 FOOT CENTERS UNLESS OTHERWISE SHOWN.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	61	113

REGISTERED CIVIL ENGINEER DATE 7-26-10
 J. A. HUERTA No. 59506 Exp. 12-31-12
 PLANS APPROVAL DATE 7-26-10
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.

TEMPORARY CRASH CUSHION (TYPE ABSORB 350)

STAGE	SHEET No.	LOCATION	EA
1	SC-4	EB ROUTE 70 (PM R8.89 L+)	1
1	SC-4	WB ROUTE 70 (PM R8.99 L+)	1
TOTAL			2

ADDITIONAL STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(H)	—	C30A	48" x 48"	SHOULDER CLOSED	1 - 6" x 6"	13
(I)	W21-5bR(500)	—	48" x 48"	RIGHT SHOULDER CLOSED 500 FT	1 - 6" x 6"	2
(J)	W21-5bL(500)	—	48" x 48"	LEFT SHOULDER CLOSED 500 FT	1 - 6" x 6"	1
(K)	W21-5bR(1000)	—	48" x 48"	RIGHT SHOULDER CLOSED 1000 FT	1 - 6" x 6"	4
(L)	W21-5bL(1000)	—	48" x 48"	LEFT SHOULDER CLOSED 1000 FT	1 - 6" x 6"	2
(M)	W21-5bR	—	48" x 48"	RIGHT SHOULDER CLOSED	1 - 6" x 6"	2

TRAFFIC PLASTIC DRUM

STAGE	SHEET No.	LOCATION	EA
1	SC-2	EB ROUTE 70 (PM R8.22 TO R8.27 R+)	7
1	SC-3	WB ROUTE 70 (PM R8.57 TO R8.63 L+)	8
1	SC-3	WB ROUTE 70 (PM R8.57 TO R8.63 R+)	8
1	SC-4	EB ROUTE 70 (PM R8.84 TO R8.91 L+)	9
1	SC-4, SC-5	WB ROUTE 70 (PM R8.95 TO R9.00 R+)	8
1	SC-4, SC-5	WB ROUTE 70 (PM R8.95 TO R9.02 L+)	9
1	SC-5	EB ON RAMP FROM OLIVEHURST Ave (PM R9.23 TO R9.27 R+)	8
1	SC-5	WB ROUTE 70 (PM R9.30 TO R9.35 R+)	7
1	SC-7	WB OFF RAMP TO NORTH BEALE ROAD (PM 13.27 TO 13.32 R+)	12
1	SC-7	WB ROUTE 70 (PM 13.27 TO 13.32 R+)	7
1	SC-2	SB ROUTE 65 (PM R9.17 TO R9.24 L+)	8
1	SC-2	SB ROUTE 65 (PM R9.17 TO R9.24 R+)	8
TOTAL			99

TEMPORARY CRASH CUSHION MODULE

STAGE	SHEET No.	LOCATION	ARRAY 'TS14' (EA)
1	SC-2	EB ROUTE 70 (PM R8.25 R+)	14
1	SC-3	WB ROUTE 70 (PM R8.58 L+)	14
1	SC-3	WB ROUTE 70 (PM R8.58 R+)	14
1	SC-4	WB ROUTE 70 (PM R8.96 R+)	14
1	SC-5	WB ROUTE 70 (PM R8.32 R+)	14
1	SC-7	WB ROUTE 70 (PM 13.28 R+)	14
1	SC-7	WB OFF RAMP TO NORTH BEALE ROAD (PM 13.29 R+)	14
1	SC-2	SB ROUTE 65 (PM R9.20 L+)	14
1	SC-2	SB ROUTE 65 (PM R9.20 R+)	14
TOTAL			126

TEMPORARY RAILING (TYPE K)

STAGE	SHEET No.	LOCATION	LENGTH
			LF
1	SC-2	EB ROUTE 70 (PM R8.25 TO R8.30 R+)	260.0
1	SC-3	WB ROUTE 70 (PM R8.41 TO R8.58 L+)	860.0
1	SC-3	WB ROUTE 70 (PM R8.41 TO R8.58 R+)	860.0
1	SC-4	WB ROUTE 70 (PM R8.88 TO R8.96 R+)	440.0
1	SC-4	WB ROUTE 70 (PM R8.91 TO R8.97 L+)	340.0
1	SC-4	EB ROUTE 70 (PM R8.89 TO R8.95 L+)	340.0
1	SC-5	EB ON RAMP FROM OLIVEHURST Ave (PM R9.25 TO R9.29 R+)	200.0
1	SC-5	WB ROUTE 70 (PM R9.28 TO R9.32 R+)	200.0
1	SC-7	WB ROUTE 70 (PM R13.24 TO 13.28 R+)	220.0
1	SC-7	WB OFF RAMP TO NORTH BEALE ROAD (PM 13.25 TO 13.29 R+)	200.0
1	SC-2	SB ROUTE 65 (PM R9.15 TO R9.19 L+)	200.0
1	SC-2	SB ROUTE 65 (PM R9.15 TO R9.19 R+)	200.0
TOTAL			4,320.0

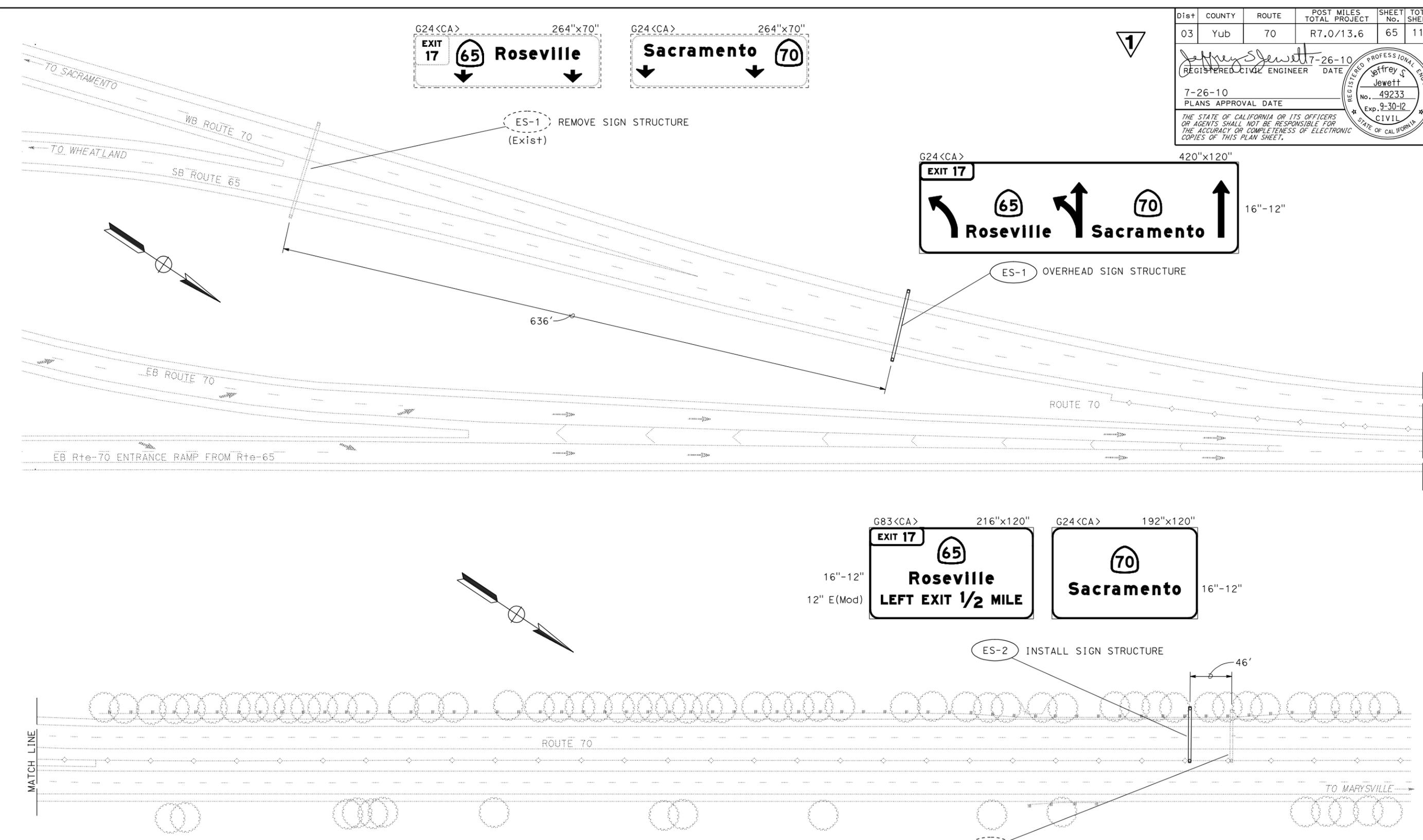
1. FOR INSTALLATION LOCATIONS, SEE STAGE CONSTRUCTION PLAN SHEETS SC-1 TO SC-7.

TRAFFIC HANDLING QUANTITIES THQ-1

1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 27, 2010

LAST REVISION DATE PLOTTED => 27-OCT-2010 TIME PLOTTED => 10:43

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	65	113

7-26-10
 REGISTERED CIVIL ENGINEER DATE
 7-26-10
 PLANS APPROVAL DATE

Jeffrey S. Jewett
 No. 49233
 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 ELECTRONIC COPIES OF THIS PLAN SHEET.

1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 27, 2010

LEGEND
 (No.) OVERHEAD SIGN NUMBER
 <CA> CALIFORNIA SIGN CODE



SIGN PLAN
 SCALE: 1"=50'

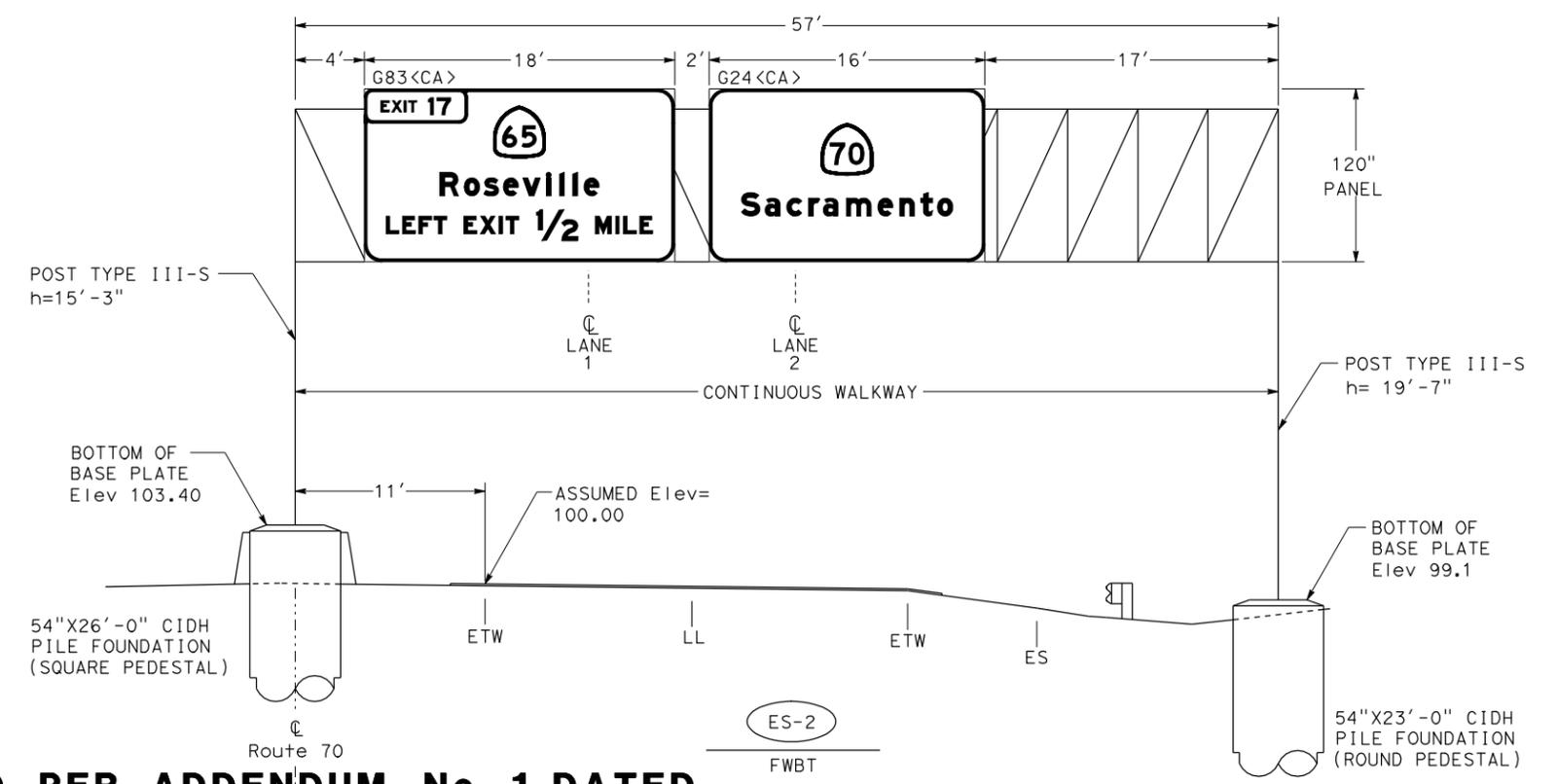
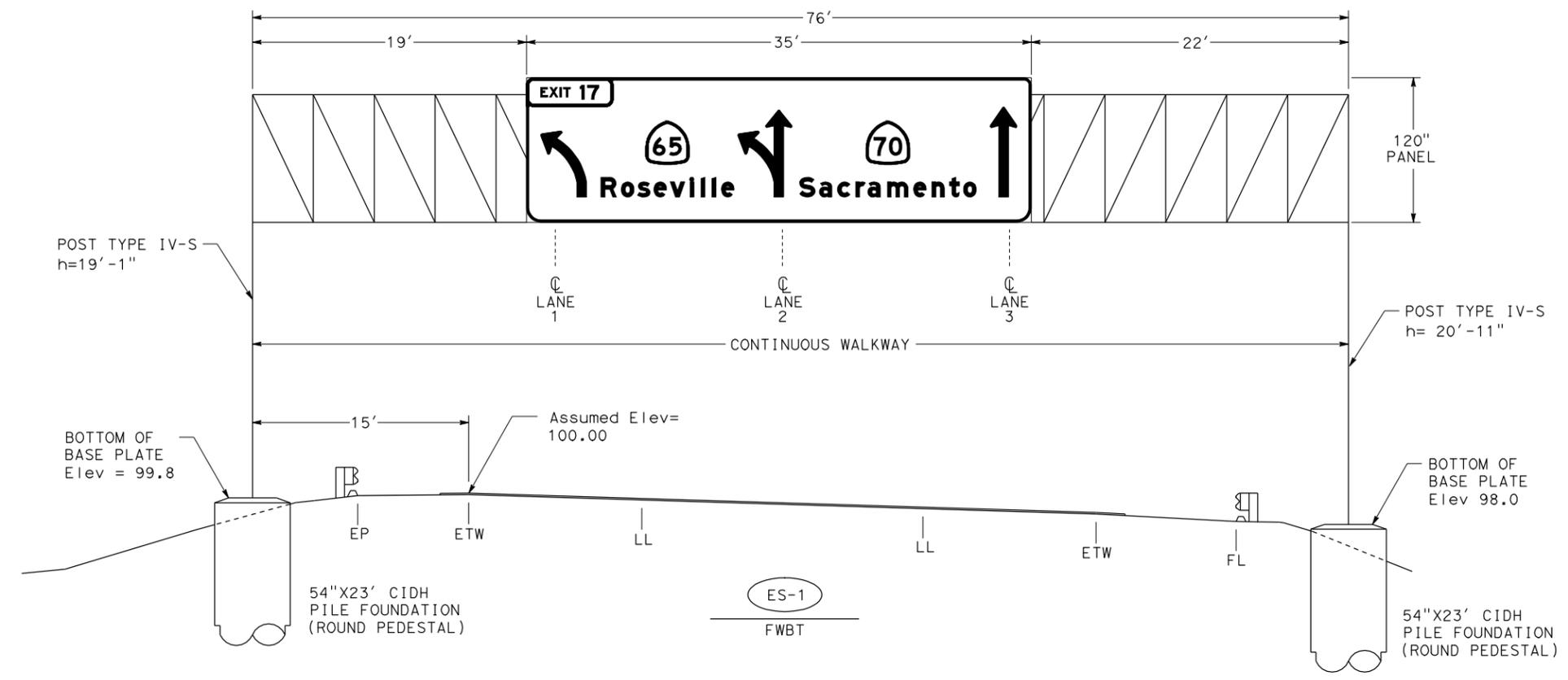
S-1

NOTE: THIS PLAN ACCURATE FOR SIGNING WORK ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	66	113

Jeffrey S. Jewett 7-26-10
 REGISTERED CIVIL ENGINEER DATE
 7-26-10
 PLANS APPROVAL DATE
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1



- NOTES:
1. LL = LANELINE
 2. h = DISTANCE FROM BOTTOM OF FRAME TO BOTTOM OF BASE PLATE.
 3. OVERHEAD SIGN PANELS SHALL BE LAMINATED PANELS TYPE A.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
 FUNCTIONAL SUPERVISOR: JOSEPH W. HORTON
 CHECKED BY: JEFF JEWETT
 DESIGNED BY: JACK KEMMERLY
 REVISIONS: REVISOR, DATE, REVISIONS

REVISED PER ADDENDUM No. 1 DATED OCTOBER 27, 2010

SIGN DETAILS
 NO SCALE

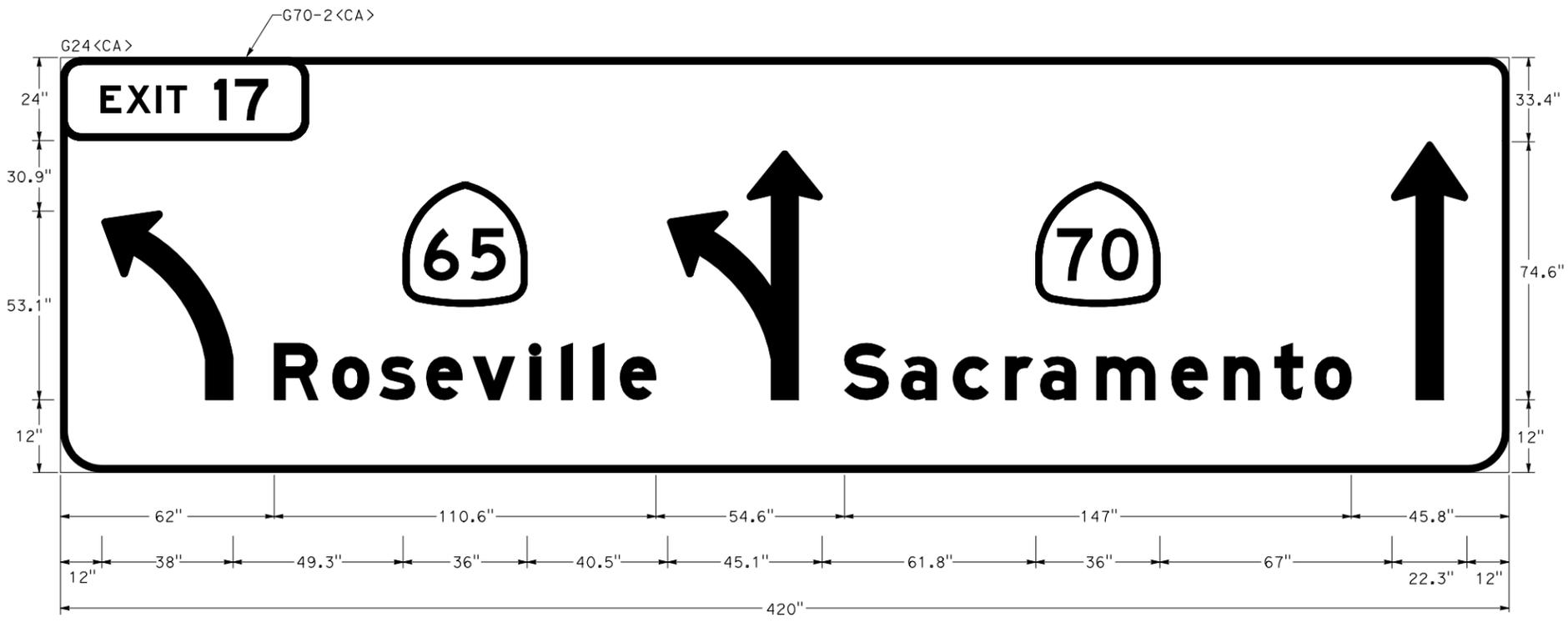
SD-1

DATE PLOTTED => 27-OCT-2010
 TIME PLOTTED => 10:43

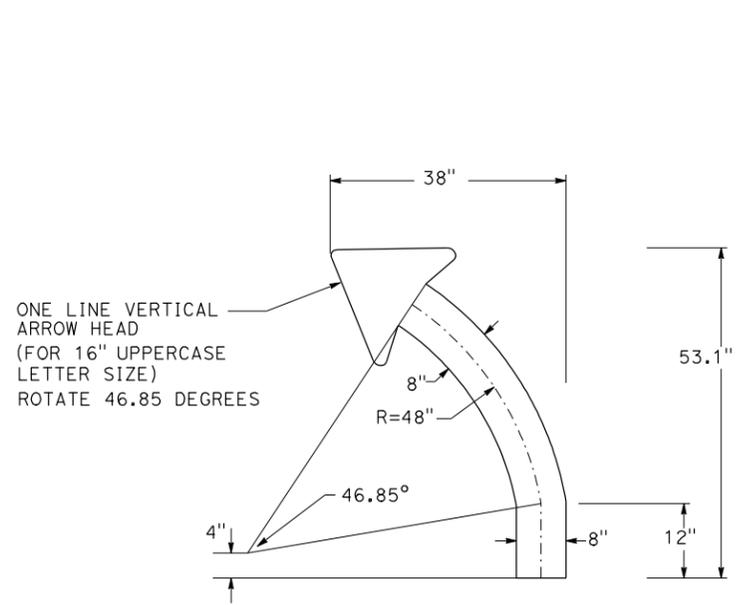
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC
 FUNCTIONAL SUPERVISOR
 JOSEPH W. HORTON
 CHECKED BY
 JACK KEMMERLY
 JEFF JEWETT
 REVISOR BY
 DATE REVISED

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	68	113

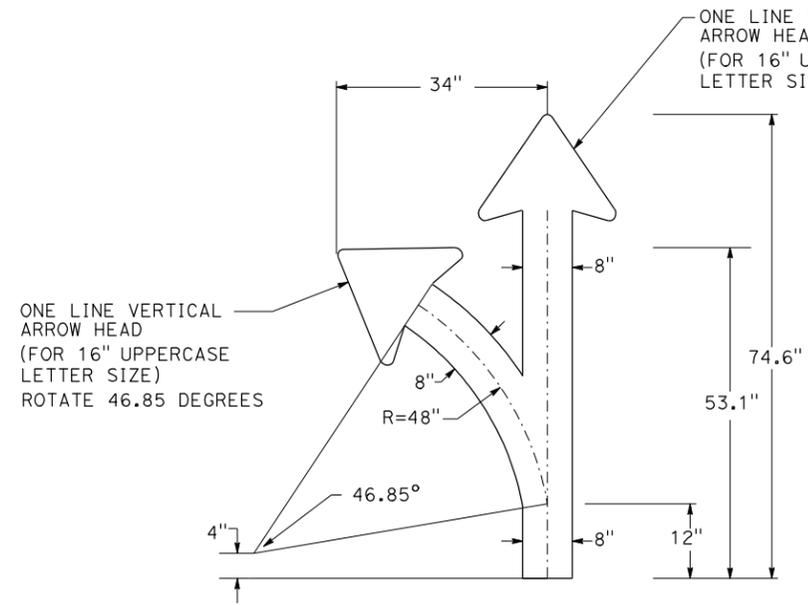
Jeffrey S. Jewett 7-26-10
 REGISTERED CIVIL ENGINEER DATE
 7-26-10
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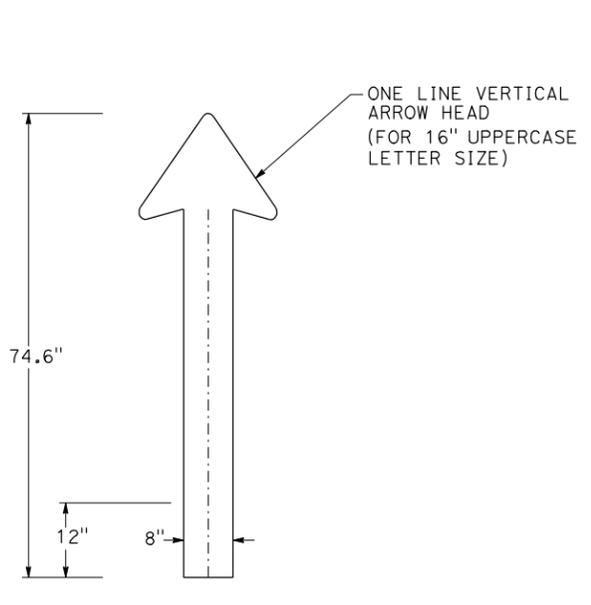
2" BORDER WITH 12" RADIUS
 "Roseville" "Sacramento" - E Mod
 DIAGRAMMATIC ARROWS PER DETAILS BELOW
 OVERHEAD SIGN NUMBER ES-1



DIAGRAMMATIC ARROW #1, SIGN ES-1



DIAGRAMMATIC ARROW #2, SIGN ES-1



DIAGRAMMATIC ARROW #3, SIGN ES-1

DIAGRAMMATIC ARROW DETAILS

SIGN DETAILS
 NO SCALE

1 REVISED PER ADDENDUM No. 1 DATED
OCTOBER 27, 2010

NOTE: ALL SIGN CODES ARE FEDERAL SIGN CODES UNLESS OTHERWISE DESIGNATED AS CALIFORNIA <CA> SIGN CODES.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR
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 CHECKED BY
 JACK KEMMERLY
 JEFF JEWETT
 REVISED BY
 DATE REVISED



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	71	113

Jeffrey S Jewett 7-26-10
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 7-26-10
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ROADSIDE SIGN QUANTITIES (CONTINUED)

LOCATION	SIGN CODE		PANEL SIZE (INCHES)	H" DIM IN FEET	POST SIZE AND LENGTH		ROADSIDE SIGN ONE POST (EACH)	REMOVE ROADSIDE SIGN (EACH)	RESET ROADSIDE SIGN (EACH)	REMARKS
	FEDERAL	CALIFORNIA			4" X 4"	6" X 6"				
	EB EXIT RAMP TO FEATHER RIVER Blvd				G84-3					
WB ENTRANCE RAMP FROM FEATHER RIVER Blvd	W4-1R		48 X 60	7		18'	1			
	W4-1R		48 X 48	7		18'	1		1	SEE NOTE 4
EB ENTRANCE RAMP FROM FEATHER RIVER Blvd	W4-1R		48 X 48	7		18'	1		1	SEE NOTE 4
	W4-1R		48 X 48	7		18'	1		1	SEE NOTE 4
WB EXIT RAMP TO FEATHER RIVER Blvd		G84-3	48 X 60	7		18'	1			EXIT 20A
	R3-2		24 X 24	7	14'		1			SEE NOTE 5
WB EXIT RAMP TO NORTH BEALE ROAD		G84-3	48 X 60	7		18'	1		1	EXIT 20B
	R3-1		24 X 24	7	14'		1			SEE NOTE 6
	R3-2		24 X 24	7	14'		1			SEE NOTE 6
EB EXIT RAMP TO NORTH BEALE ROAD		G84-3	48 X 60	7		18'	1		1	EXIT 20B
	W4-1R		48 X 60	7		18'	1		1	EXIT 20B
EB ENTRANCE RAMP FROM NORTH BEALE ROAD	W4-1R		48 X 48	7		18'	1			SEE NOTE 4
	W4-1R		48 X 48	7		18'	1			SEE NOTE 4
SHEET TOTAL							10	7	0	
SHEET TOTAL FROM SQ-1							12	12	3	
TOTAL							22	19	3	

OVERHEAD SIGN QUANTITIES

SIGN NUMBER	REMOVE SIGN STRUCTURE	FURNISH SIGN STRUCTURE (TRUSS)	INSTALL SIGN STRUCTURE (TRUSS)	54" CIDH CONCRETE PILE (SIGN FOUNDATION)
	EA	LB	LB	LF
ES-1 (Exist)	1			
ES-1		30,104	30,104	46
ES-2 (Exist)	1			
ES-2		23,036	23,036	49
TOTAL	2	53,140	53,140	95



REVISED PER ADDENDUM No. 1 DATED OCTOBER 27, 2010

SIGN QUANTITIES

SQ-2

LAST REVISION 9-23-10 DATE PLOTTED => 27-OCT-2010 TIME PLOTTED => 10:44

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR
 JOSEPH W. HORTON
 TRAFFIC
 JACK KEMMERLY
 JEFF JEWETT
 REVISOR BY
 DATE REVISED
 CALCULATED-DESIGNED BY
 CHECKED BY

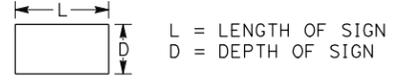
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	72	113

Jeffrey S. Jewett 7-26-10
 REGISTERED CIVIL ENGINEER DATE
 7-26-10
 PLANS APPROVAL DATE

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ROADSIDE SIGN PANEL QUANTITIES (CONTRACTOR-FURNISHED)

SIGN CODE	SIGN MESSAGE/DESCRIPTION	SIGN SIZE L X D (INCHES)	SIGN AREA (SQFT)	NUMBER OF SIGNS	BACKGROUND		LEGEND		PROTECTIVE OVERLAY	FURNISH SINGLE SHEET ALUMINUM SIGN	
					SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	PREMIUM	UNFRAMED	
										0.063"	0.080"
									SQFT	SQFT	
G84-3<CA>	EXIT 16 WITH ARROW	48 X 60	20.00	2	GREEN	III	WHITE	III	X		40.00
G84-3<CA>	EXIT 18A WITH ARROW	48 X 60	20.00	2	GREEN	III	WHITE	III	X		40.00
G84-3<CA>	EXIT 18B WITH ARROW	48 X 60	20.00	2	GREEN	III	WHITE	III	X		40.00
G84-3<CA>	EXIT 20A WITH ARROW	48 X 60	20.00	2	GREEN	III	WHITE	III	X		40.00
G84-3<CA>	EXIT 20B WITH ARROW	48 X 60	20.00	2	GREEN	III	WHITE	III	X		40.00
R3-1	NO RIGHT TURN SYMBOL SIGN	24 X 24	4.00	1	WHITE	IX	BLACK		X	4.00	
							RED	IX			
R3-2	NO LEFT TURN SYMBOL SIGN	24 X 24	4.00	2	WHITE	IX	BLACK		X	8.00	
							RED	IX			
W4-1R	MERGE SYMBOL SIGN	48 X 48	16.00	9	YELLOW	IX	BLACK				144.00
TOTAL										12.00	344.00



- NOTES:
- CALIFORNIA SIGN CODES ARE DESIGNATED BY <CA>. OTHERWISE, FEDERAL SIGN CODES ARE SHOWN.
 - FOR "SIGN MESSAGE/DESCRIPTION" INFORMATION FOR THE OVERHEAD PANELS, SEE SIGN PLANS.
 - ALL OVERHEAD SIGN PANELS SHALL BE LAMINATED PANELS - TYPE A.

OVERHEAD SIGN PANEL QUANTITIES (CONTRACTOR-FURNISHED)

SIGN CODE	OVERHEAD SIGN NUMBER	SIGN SIZE L X D (INCHES)	SIGN AREA (SQFT)	NUMBER OF SIGNS	BACKGROUND		LEGEND		PROTECTIVE OVERLAY	FURNISH LAMINATED PANEL SIGN (1"-TYPE A)
					SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	PREMIUM	SQFT
G24<CA>	ES-1	420 X 120	350.00	1	GREEN	IV	WHITE	IX	X	350.00
G24<CA>	ES-2	216 X 120	180.00	1	GREEN	IV	WHITE	IX	X	180.00
G83<CA>	ES-2	192 X 120	160.00	1	GREEN	IV	WHITE	IX	X	160.00
TOTAL										690.00

1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 27, 2010

SIGN QUANTITIES

SQ-3

DATE PLOTTED => 27-OCT-2010
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 CALCULATED-DESIGNED BY CHECKED BY
 JOSE L. VALDEZ ERIC SOUZA
 REVISED BY DATE REVISED
 x x x x x

COLD PLANE AC PAVEMENT

LOCATION	(0.10' Max)	(0.20' Max)	(0.25' Max)	(0.30' Max)	(0.35' Max)	(0.40' Max)	(0.45' Max)
	SQYD						
EB ROUTE 70 PM R7.0 TO 13.6	57,556	4,725	6,056		27,570		5,573
WB ROUTE 70 PM R7.0 TO 13.6	60,207	6,102	6,046		25,264		3,616
EB OFF RAMP TO OLIVEHURST Ave						1,940	
EB ON RAMP FROM OLIVEHURST Ave						952	
EB OFF RAMP TO FEATHER RIVER Blvd						1,788	
EB ON RAMP FROM FEATHER RIVER Blvd						1,382	
EB OFF RAMP TO NORTH BEALE Rd				619			
EB ON RAMP FROM NORTH BEALE Rd				845			
WB ON RAMP FROM OLIVEHURST Ave						1,715	
WB OFF RAMP TO OLIVEHURST Ave						2,530	
WB ON RAMP FROM FEATHER RIVER Blvd						1,464	
WB OFF RAMP TO FEATHER RIVER Blvd						1,564	
WB OFF RAMP TO NORTH BEALE Rd				3,049			
SUBTOTAL	117,763	10,827	12,102	4,513	52,834	13,335	9,189
TOTAL	220,563						

TACK COAT

LOCATION	FOR HMA	FOR RWMA-0
	(TON)	(TON)
EB ROUTE 70 PM R7.0 TO 13.6	19.98	17.01
WB ROUTE 70 PM R7.0 TO 13.6	20.17	17.23
EB OFF RAMP TO MCGOWAN PARKWAY	0.73	0.64
EB ON RAMP FROM MCGOWAN PARKWAY	0.64	0.68
EB OFF RAMP TO OLIVEHURST Ave	0.33	0.32
EB ON RAMP FROM OLIVEHURST Ave	0.16	0.17
EB OFF RAMP TO LINDHURST Ave	0.36	0.30
EB ON RAMP FROM LINDHURST Ave	0.24	0.24
EB OFF RAMP TO FEATHER RIVER Blvd	0.30	0.27
EB ON RAMP FROM FEATHER RIVER Blvd	0.24	0.21
EB OFF RAMP TO NORTH BEALE Rd	0.11	0.11
EB ON RAMP FROM NORTH BEALE Rd	0.14	0.13
WB ON RAMP FROM MCGOWAN PARKWAY	0.80	0.79
WB OFF RAMP TO MCGOWAN PARKWAY	0.74	0.59
WB ON RAMP FROM OLIVEHURST Ave	0.29	0.33
WB OFF RAMP TO OLIVEHURST Ave	0.44	0.34
WB ON RAMP FROM ERLE Rd	0.53	0.68
WB OFF RAMP TO ERLE Rd	0.55	0.41
WB ON RAMP FROM FEATHER RIVER Blvd	0.25	0.25
WB OFF RAMP TO FEATHER RIVER Blvd	0.25	0.22
WB OFF RAMP TO NORTH BEALE Rd	0.53	0.41
SUBTOTAL	47.78	41.34
TOTAL	89.12	

HMA

LOCATION	TON
EB ROUTE 70 PM R7.0 TO 13.6	28,400
WB ROUTE 70 PM R7.0 TO 13.6	28,559
EB OFF RAMP TO MCGOWAN PARKWAY	628
EB ON RAMP FROM MCGOWAN PARKWAY	551
EB OFF RAMP TO OLIVEHURST Ave	285
EB ON RAMP FROM OLIVEHURST Ave	140
EB OFF RAMP TO LINDHURST Ave	311
EB ON RAMP FROM LINDHURST Ave	211
EB OFF RAMP TO FEATHER RIVER Blvd	263
EB ON RAMP FROM FEATHER RIVER Blvd	203
EB OFF RAMP TO NORTH BEALE Rd	91
EB ON RAMP FROM NORTH BEALE Rd	120
WB ON RAMP FROM MCGOWAN PARKWAY	688
WB OFF RAMP TO MCGOWAN PARKWAY	635
WB ON RAMP FROM OLIVEHURST Ave	252
WB OFF RAMP TO OLIVEHURST Ave	378
WB ON RAMP FROM ERLE Rd	455
WB OFF RAMP TO ERLE Rd	473
WB ON RAMP FROM FEATHER RIVER Blvd	220
WB OFF RAMP TO FEATHER RIVER Blvd	219
WB OFF RAMP TO NORTH BEALE Rd	454
TOTAL	63,536

TEMPORARY FENCE (TYPE ESA)

SHEET NUMBER	LOCATION	LF
C-8	EB ROUTE 70 (PM R10.88 TO R11.06 R+)	978.7
C-9	EB ROUTE 70 (PM R11.37 R+)	221.2
TOTAL		1,199.9

CRACK TREATMENT

LOCATION	LANE MILE
EB ROUTE 70	9.9
WB ROUTE 70	9.9
ALL RAMPS	3.8
TOTAL	23.6



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	73	113

7-26-10
 REGISTERED CIVIL ENGINEER DATE
 7-26-10
 PLANS APPROVAL DATE

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.

ERIC NORMAN SOUZA
 No. 75706
 Exp. 06-30-12
 CIVIL ENGINEER
 STATE OF CALIFORNIA

RUBBERIZED WARM MIX ASPHALT (OPEN GRADED)

LOCATION	TON
EB ROUTE 70 PM R7.0 TO 13.6	6,662
WB ROUTE 70 PM R7.0 TO 13.6	6,749
EB OFF RAMP TO MCGOWAN PARKWAY	253
EB ON RAMP FROM MCGOWAN PARKWAY	267
EB OFF RAMP TO OLIVEHURST Ave	125
EB ON RAMP FROM OLIVEHURST Ave	65
EB OFF RAMP TO LINDHURST Ave	118
EB ON RAMP FROM LINDHURST Ave	95
EB OFF RAMP TO FEATHER RIVER Blvd	106
EB ON RAMP FROM FEATHER RIVER Blvd	81
EB OFF RAMP TO NORTH BEALE Rd	43
EB ON RAMP FROM NORTH BEALE Rd	53
WB ON RAMP FROM MCGOWAN PARKWAY	310
WB OFF RAMP TO MCGOWAN PARKWAY	231
WB ON RAMP FROM OLIVEHURST Ave	131
WB OFF RAMP TO OLIVEHURST Ave	132
WB ON RAMP FROM ERLE Rd	269
WB OFF RAMP TO ERLE Rd	162
WB ON RAMP FROM FEATHER RIVER Blvd	99
WB OFF RAMP TO FEATHER RIVER Blvd	87
WB OFF RAMP TO NORTH BEALE Rd	162
TOTAL	16,200

IMPORTED MATERIAL (SHOULDER BACKING)

LOCATION	TON
EB ROUTE 70 PM R7.0 TO 13.6	3,863
WB ROUTE 70 PM R7.0 TO 13.6	3,892
EB OFF RAMP TO MCGOWAN PARKWAY	144
EB ON RAMP FROM MCGOWAN PARKWAY	122
EB OFF RAMP TO LINDHURST Ave	150
EB ON RAMP FROM LINDHURST Ave	55
WB ON RAMP FROM MCGOWAN PARKWAY	147
WB OFF RAMP TO MCGOWAN PARKWAY	159
WB ON RAMP FROM ERLE Rd	164
WB OFF RAMP TO ERLE Rd	153
WB OFF RAMP TO NORTH BEALE Rd	45
TOTAL	8,894

SUMMARY OF QUANTITIES Q-1

1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 27, 2010

LAST REVISION DATE PLOTTED => 27-OCT-2010
 TIME PLOTTED => 10:44

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PROJECT DEVELOPMENT

FUNCTIONAL SUPERVISOR
 KEVIN ESPINOZA

CHECKED BY
 MIKE PANCHESSAN

DESIGNED BY
 CARMEN RODRIGUEZ

REVISOR
 MIKE PANCHESSAN

DATE REVISION
 5-01-10

DATE REVISION
 5-07-10

NOTES:

1. L+ OR R+ DENOTES SIDE OF HIGHWAY, RAMP OR ROAD IN THE DIRECTION OF TRAVEL (NB, SB, WB, EB).
2. MINOR CONCRETE (MINOR STRUCTURE) ITEM IS FOR NEW CONCRETE ANCHOR BLOCK FOR TRANSITION RAILING CONNECTION.
3. REMOVE CONCRETE ITEM IS FOR REMOVING EXISTING CONCRETE ANCHOR BLOCKS. SEE SHEET Q-4.
4. SPECIAL POST FOOTINGS REQUIRED WHERE S+D EMBEDMENT OF MBGR POST IS RESTRICTED. SEE SHEET C-23.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	74	113

7-26-10
 REGISTERED CIVIL ENGINEER DATE

7-26-10
 PLANS APPROVAL DATE

ERIC NORMAN SOUZA
 No. 75706
 Exp. 06-30-12
 CIVIL
 STATE OF CALIFORNIA

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METAL BEAM GUARD RAILING

LOCATION (PM TO PM)	DIRECTION	L+/R+	REMOVE MBGR	DOUBLE MBGR (STEEL POST)	VEGETATION CONTROL (MINOR CONCRETE)	CRASH CUSHION (TYPE CAT)	CRASH CUSHION (TYPE CAT) BACKUP	BURIED POST END ANCHOR (N)	ALTERNATIVE FLARED TERMINAL SYSTEM	ALTERNATIVE IN-LINE TERMINAL SYSTEM	TRANSITION RAILING (TYPE WB)	END CAP (TYPE TC) (N)	MINOR CONCRETE (MINOR STRUCTURE)	RAIL TENSIONING ASSEMBLY	END ANCHOR ASSEMBLY (TYPE SFT)	NESTED MBGR (N)	MBGR LAYOUT TYPE (N)	COMMENTS
			LF	LF	LF	SQYD	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
R7.35 to R7.36	EB	R+	81.25	87.5				1							1		16C	
R8.26 to R8.30	EB	R+	206.25	175				1			1	1	8.0			1	12C	
R8.88 to R8.89	EB	R+	100	62.5					1						1		11B	
R9.28 to R9.29	EB	R+	62.5	37.5				1			1	1	2.0				12C	
R9.57 to R9.59	EB	R+		75						1					1		11A	
R10.64 to R10.66	EB	R+	112.5	75					1						1		16B	
R11.07 to R11.08	EB	R+		50						1					1		16A	
13.23 to 13.42	EB	R+		1012.5											2	4		SEE DETAIL SHEET C-25
R7.35 to R7.39	MEDIAN		200															MEDIAN MCGOWAN PARKWAY OC
R7.35 to R7.39	EB	L+		37.5	25	120.20	1	1						1	1		14A	MEDIAN MCGOWAN PARKWAY OC
R7.35 to R7.39	WB	L+		37.5	25	120.20	1	1						1	1		14A	MEDIAN MCGOWAN PARKWAY OC
R8.42 to R8.43	NB (R+e 65)	L+		75														
R8.42 to R8.44	WB (R+e 70)	R+	137.5															
R8.55 to R8.56	WB (R+e 70)	L+		62.5		76.06			1						1		16B	
R8.55 to R8.56	WB (R+e 70)	R+		62.5		76.06			1						1		16B	
R8.69 to R9.06	WB	R+		1900		1023.51				1					1		16A	
R8.88 to R8.89	WB	R+	100															
R8.93 to R8.94	WB	R+	75															
R9.15 to R9.17	SB (R+e 65)	R+	66	25		58.38				1	1	1	2.0				12A	
R9.15 to R9.17	SB (R+e 65)	L+	66	37.5		120.88				1	1	1	2.0				12B	
R9.28 to R9.29	WB	R+	50	125		84.32				1	1	1	2.0				12C	
R9.55 to R9.86	WB	R+		1600		867.84				1					1	2	16A	
R10.67 to R10.70	WB	R+	125	87.5		89.04				1					1		16B	
R11.08 to R11.09	WB	R+		50		76.06				1					1		11A	
13.02 to 13.03	WB	R+	75															
13.02 to 13.09	WB	R+		412.5		251.66				1	1	1					12A	
13.25 to 13.27	WB	R+	87.5	200		166.87				1	1	1	2.0				12B	WB (N BEALE OFF-RAMP)
13.26 to 13.33	WB	R+	75															
13.26 to 13.34	WB	R+		412.5		277.61				1	1	1	1.0				11A	
13.44 to 13.54	WB	R+		475		310.04				1					1	1	11A	
TOTAL			1694.5	7100	50	4810.03	2	2	4	7	9	8	19.0	2	16	8		

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 27, 2010

SUMMARY OF QUANTITIES Q-2

LAST REVISION DATE PLOTTED => 27-OCT-2010 09/23/10 TIME PLOTTED => 10:44

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans PROJECT DEVELOPMENT

FUNCTIONAL SUPERVISOR
 KEVIN ESPINOZA

CALCULATED-DESIGNED BY
 CHECKED BY

JOSE L. VALDEZ
 J. A. HUERTA

REVISED BY
 DATE REVISED

DRAINAGE INLET

LOCATION	(N) DI TYPE	ADJUST INLET (EA)	ADJUST FRAME AND GRATE TO GRADE (EA)
PM R8.38 EB Lt	G2	1	1
PM R8.45 EB Lt	G2	1	1
PM R9.00 EB Lt (MEDIAN)	G1	1	1
TOTAL		3	3

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

OVERSIDE DRAIN

LOCATION	REMOVE AC OVERSIDE DRAIN (EA)	PLACE HMA (Misc AREAS) (SQYD)	MINOR HMA (TON)*
WB Rt PM 7.19	1	6.22	1.14
EB Rt PM 7.22	1	7.70	1.41
WB Rt PM 7.50	1	2.89	0.53
EB Rt PM 7.55	1	11.40	2.09
WB OFF RAMP TO McGOWAN Pkwy Rt	1	4.74	0.87
EB ON RAMP FROM McGOWAN Pkwy Rt	1	11.77	2.16
EB Rt PM 7.94	1	9.18	1.68
WB Lt PM 8.08	1	5.48	1.00
WB Lt PM 8.15	1	5.48	1.00
WB Rt PM 8.20	1	3.26	0.60
WB Lt PM 8.49	1	9.18	1.68
WB Rt PM 8.56	1	2.89	0.53
EB Rt PM 8.84	1	4.37	0.80
EB Rt PM 8.89	1	5.48	1.00
WB Rt PM 9.57	1	7.33	1.34
WB Rt PM 9.73	1	5.48	1.00
WB Rt PM 11.02	1	6.59	1.21
EB Rt PM 11.28	1	4.00	0.73
TOTAL	18	113.44	20.77

* SEE Q-5 SHEET FOR TOTAL MINOR HMA QUANTITY.

DOWNDRAIN AND ENTRANCE TAPER

LOCATION	REMOVE DOWNDRAIN (LF)	12" CSP DOWNDRAIN (LF)	18" ENTRANCE TAPER (EA)	ANCHOR ASSEMBLY (EA)
WB Lt PM 8.10	20	20	1	2
EB Rt PM 9.03	20	20	1	2
EB OFF RAMP TO FEATHER RIVER Blvd Rt	27	27	1	3
EB Rt PM 13.22	20	20	1	2
EB Rt PM 13.28	40	40	1	4
WB Rt PM 13.29	50	50	1	5
EB Rt PM 13.40	30	30	1	3
EB Rt PM 13.42	30	30	1	3
WB Rt PM 13.43	40	40	1	4
TOTAL	277	277	9	28

1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	75	113

7-26-10
 REGISTERED CIVIL ENGINEER DATE

7-26-10
 PLANS APPROVAL DATE

ERIC NORMAN SOUZA
 No. 75706
 Exp. 06-30-12
 CIVIL
 STATE OF CALIFORNIA

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1 REVISED PER ADDENDUM No. 1 DATED OCTOBER 27, 2010

SUMMARY OF QUANTITIES Q-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PROJECT DEVELOPMENT

FUNCTIONAL SUPERVISOR
KEVIN ESPINOZA

REVISOR
CARMEN RODRIGUEZ
NASIM HASAN

REVISIONS
C.R. 5-19-10
C.R. 5-17-10
C.R. 5-10-10

DESIGNED BY
CHECKED BY

REVISIONS
DATE
BY

DIKE

LOCATION	REMOVE AC DIKE LF	PLACE HMA DIKE						MINOR HMA TON
		TYPE A	TYPE C	TYPE D	TYPE E	TYPE F		
		LF	LF	LF	LF	LF		
WB ROUTE 70 PM R7.10 TO R7.19 R+	459			459			26.90	
WB ROUTE 70 PM R7.19 TO R7.59 R+	2,111	2,111					57.00	
WB MCGOWAN Pkwy ON RAMP PM R7.34 TO R7.35 R+	100	100					2.70	
WB ROUTE 70 PM R7.62 TO R7.74 R+	625				625		16.25	
WB ROUTE 70 PM R8.08 TO R8.15 L+	393				393		10.22	
WB ROUTE 70 PM R8.15 TO R8.21 R+	291				291		7.57	
WB ROUTE 70 PM R8.37 TO R8.55 R+	999			999			58.54	
WB ROUTE 70 PM R8.55 TO R8.56 R+	62.5					62.5	0.83	
WB ROUTE 70 PM R8.56 TO R8.57 R+	62.5		62.5				0.48	
WB ROUTE 70 PM R8.49 TO R8.55 L+	317			317			18.58	
WB ROUTE 70 PM R8.55 TO R8.56 L+	62.5					62.5	0.83	
WB ROUTE 70 PM R8.56 TO R8.57 L+	62.5		62.5				0.48	
WB ROUTE 70 PM R8.69 TO R9.05 R+						1,900	25.08	
WB ROUTE 70 PM R8.94 TO R8.99 R+	253						0.00	
WB ROUTE 70 PM R9.05 TO R9.06 R+			75				0.57	
WB ROUTE 70 PM R9.16 TO R9.20 R+	227	227					6.13	
WB ROUTE 70 PM R9.55 TO R9.87 R+						1,600	21.12	
WB ROUTE 70 PM R9.87 TO R9.88 R+			75				0.57	
WB ROUTE 70 PM R9.57 TO R9.73 R+	850						0.00	
WB ERLE Rd OFF RAMP PM R10.21 TO R10.22	78	78					2.11	
WB ROUTE 70 PM R10.92 TO R11.02 R+	480			480			28.13	
WB ROUTE 70 PM R11.38 TO R11.39 R+	115			115			6.74	
WB ROUTE 70 PM 13.02 TO 13.08 R+	311					311	4.11	
WB ROUTE 70 PM 13.08 TO 13.10 R+	75		75				0.57	
WB ROUTE 70 PM 13.09 TO 13.14 R+	179			179			10.49	
WB ROUTE 70 PM 13.26 TO 13.33 R+	338					338	4.46	
WB ROUTE 70 PM 13.33 TO 13.36 R+	75		75				0.57	
WB ROUTE 70 PM 13.44 TO 13.53 R+	475					475	6.27	
WB ROUTE 70 PM 13.53 TO 13.55 R+	56		75				0.57	
EB ROUTE 70 PM R7.13 TO R7.22 R+	458			458			26.84	
EB ROUTE 70 PM R7.22 TO R7.35 R+	770	770					20.79	
EB ROUTE 70 PM R7.35 TO R7.36 R+	37.5		37.5				0.29	
EB ROUTE 70 PM R7.36 TO R7.37 R+	50					50	0.66	
EB ROUTE 70 PM R7.37 TO R7.55 R+	880	880					23.76	
EB ROUTE 70 PM R7.55 TO R7.63 R+	425			425			24.91	
EB ROUTE 70 PM R7.64 TO R7.94 R+	1,587			1,587			93.00	
EB ROUTE 70 PM R8.07 TO R8.08 R+	264			264			15.47	
EB ROUTE 70 PM R8.08 TO R8.26 R+	710	710					19.17	
EB ROUTE 70 PM R8.26 TO R8.27 R+	50		50				0.38	
EB ROUTE 70 PM R8.27 TO R8.29 R+	100					100	1.32	
EB ROUTE 70 PM R8.29 TO R8.30 R+	56			56			3.28	
EB ROUTE 70 PM R8.10 TO R8.57 L+	2,629	2,629					70.98	
EB ROUTE 70 PM R8.31 TO R8.43 R+	620	620					16.74	
EB ROUTE 70 PM R8.43 TO R8.49 R+	425			425			24.91	
EB ROUTE 65 PM R8.49 TO R8.55 R+	325			325			19.05	
EB ROUTE 65 PM R8.84 TO R8.88 R+	200			200			11.72	
EB ROUTE 70 PM R8.88 TO R8.89 R+	62.5		62.5				0.48	
EB ROUTE 70 PM R8.89 TO R8.90 R+	62.5					62.5	0.83	
EB ROUTE 70 PM R8.90 TO R9.03 R+	696			696			40.79	
EB ROUTE 70 PM R9.35 TO R9.42 R+	324	324					8.75	
EB ROUTE 70 PM 11.28 TO 11.35 R+	381			381			22.33	
EB ROUTE 70 PM 13.23 TO 13.42 R+	1,013					1,013	13.37	
TOTAL FOR THIS SHEET	21,183	8,449	650	7,366	1,309	5,975	777.61	
TOTAL FROM OVERSIDE DRAIN-SHEET Q-3							20.77	
TOTAL							798.38	



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	77	113

7-26-10
REGISTERED CIVIL ENGINEER DATE

7-26-10
PLANS APPROVAL DATE

ERIC NORMAN SOUZA
No. 75706
Exp. 06-30-12
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.

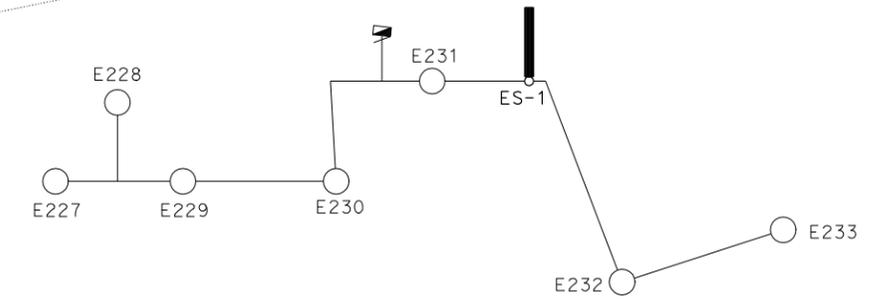
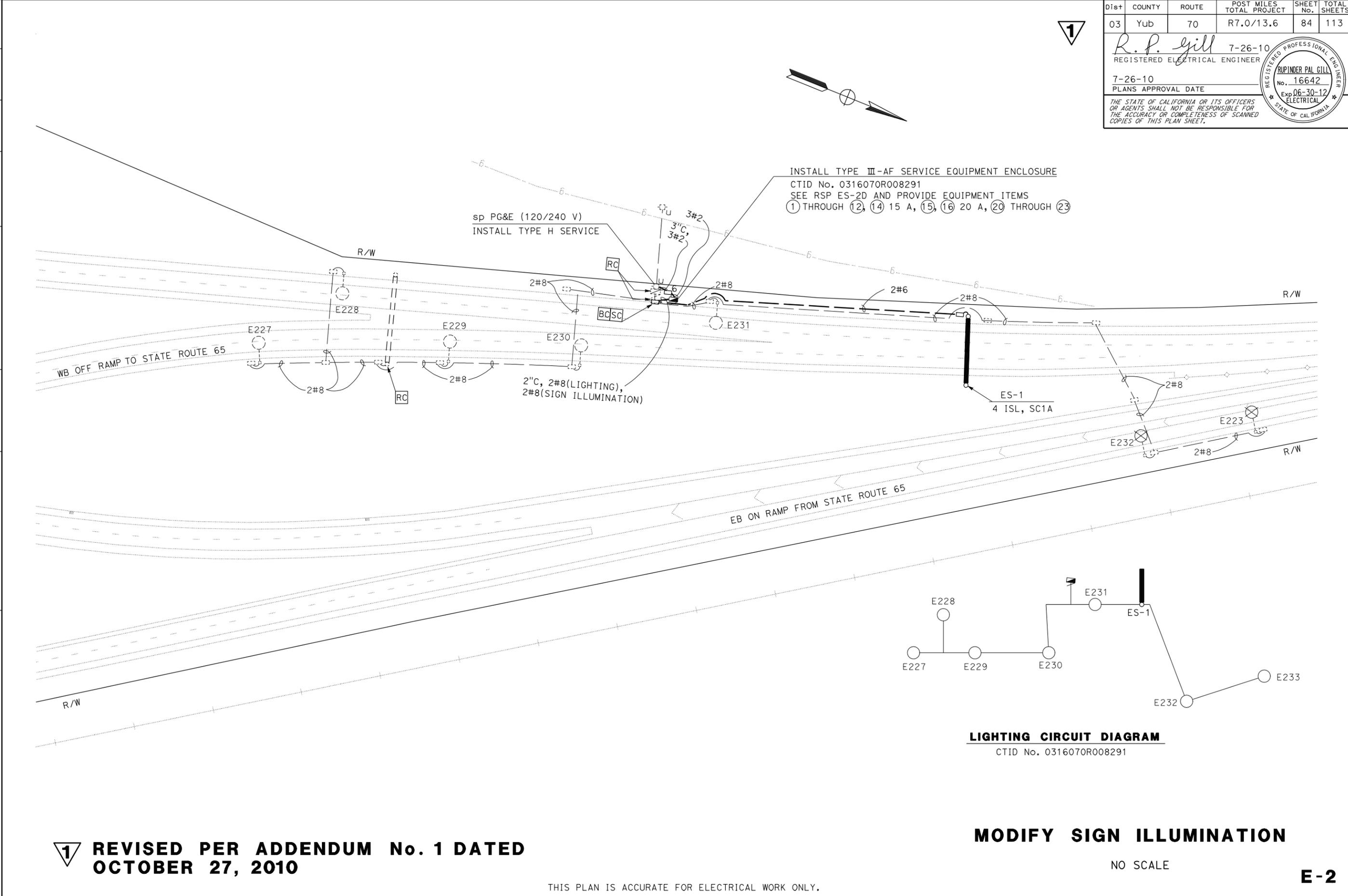


REVISED PER ADDENDUM No. 1 DATED OCTOBER 27, 2010

SUMMARY OF QUANTITIES Q-5

LAST REVISION DATE PLOTTED => 27-OCT-2010 09/23/10 TIME PLOTTED => 10:44

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans
TRAFFIC ELECTRICAL DESIGN MARYSVILLE



1 REVISED PER ADDENDUM No. 1 DATED
OCTOBER 27, 2010

MODIFY SIGN ILLUMINATION

NO SCALE

E-2

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

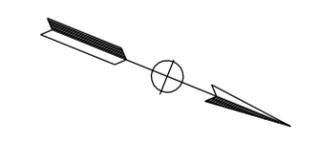
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub	70	R7.0/13.6	84	113

R. P. Gill 7-26-10
 REGISTERED ELECTRICAL ENGINEER

7-26-10
 PLANS APPROVAL DATE

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.

REGISTERED PROFESSIONAL ENGINEER
RUPINDER PAL GILL
 No. 16642
 Exp 06-30-12
 ELECTRICAL
 STATE OF CALIFORNIA



LAST REVISION 04-29-10
 DATE PLOTTED => 27-OCT-2010
 TIME PLOTTED => 10:14