

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SCR	129	9.5/10.0	57	134

03-16-15  
REGISTERED CIVIL ENGINEER DATE

3-16-15  
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  
**FAWZI YAGHMOUR**  
 No. C-54750  
 Exp. 12/31/15  
 CIVIL  
 STATE OF CALIFORNIA

### TEMPORARY PAVEMENT DELINEATION QUANTITIES

SHEET No.	ROUTE	ALIGNMENT	LOCATION		L+/ R+	DETAIL No.	REMOVE PAVEMENT MARKER	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	TEMPORARY TRAFFIC STRIPE	REMOVE PAINTED TRAFFIC STRIPE	TEMPORARY PAVEMENT MARKING (PAINT)	REMOVE PAINTED PAVEMENT MARKING	
			STA TO STA				EA	LF	LF	PAINT LF	LF	SQFT	SQFT	
			FROM	TO										
TH-1, TH-2	129	A1	497+50.00	519+65.00	L+	27B		2215		2235	2235	12		
			496+50.00	519+10.99		22	190		2261					
			497+50.00	519+02.16	R+	27B			2152		2152	2152	24	
TH-3, TH-4	129	B1	497+50.00	519+58.09	L+	27B				2135	2135		12	
			497+50.00	518+95.45	R+	27B					2135	2135		24
<b>TOTAL</b>							190	4367	2261	8657	8657	36	36	

### TRAFFIC HANDLING SIGNS STATIONARY MOUNTED

SHEET No.	SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE	No. OF POST AND SIZE	No. OF SIGNS (N)	FROM PREVIOUS STAGE (N)
TH-1	1	W20-4	ONE LANE ROAD AHEAD	36" x 36"	1 - 4" x 6"	1	
	2	W3-3	SIGNAL AHEAD	36" x 36"	--	1	
	3	R10-6	STOP HERE ON RED	24" x 36"	--	1	
	4	W1-4	LANE SHIFT	30" x 30"	1 - 4" x 6"	1	
	18	W11-1	AS SHOWN ON PLAN	30" x 30"	1 - 4" x 4"	1	
TH-2	5	R3-2	NO LEFT TURN	36" x 36"	1 - 4" x 6"	1	
	6	R10-6	STOP HERE ON RED	24" x 36"	--	1	
	7	W3-3	SIGNAL AHEAD	36" x 36"	--	1	
	8	W20-4	ONE LANE ROAD AHEAD	36" x 36"	1 - 4" x 6"	1	
	17	R10-6	STOP HERE ON RED	24" x 36"	1 - 4" x 6"	1	
TH-3	9	W20-4	ONE LANE ROAD AHEAD	36" x 36"	1 - 4" x 6"		1
	10	W3-3	SIGNAL AHEAD	36" x 36"	--		1
	11	R10-6	STOP HERE ON RED	24" x 36"	--		1
	18	W11-1	AS SHOWN ON PLAN	30" x 30"	1 - 4" x 4"		1
		W16-1P	SHARE THE ROAD	18" x 24"			1
TH-4	12	W1-4	LANE SHIFT	30" x 30"	1 - 4" x 6"	1	
	13	R3-2	NO LEFT TURN	36" x 36"	1 - 4" x 6"		1
	14	R10-6	STOP HERE ON RED	24" x 36"	--		1
	15	W3-3	SIGNAL AHEAD	36" x 36"	--		1
	16	W20-4	ONE LANE ROAD AHEAD	36" x 36"	1 - 4" x 6"		1
	18	W11-1	AS SHOWN ON PLAN	30" x 30"	1 - 4" x 4"		1
	W16-1P	SHARE THE ROAD	18" x 24"			1	
<b>TOTAL</b>					14	11	

(N) NOT A SEPERATE PAY ITEM, FOR INFORMATION ONLY

NOTES: 1- FOR ADDITIONAL CONSTRUCTION AREA SIGNS, REFER TO SHEETS CS-1 AND MIQ-1.  
2- FOR POST SIZES THAT ARE NOT SHOWN, SEE ELECTRICAL PLANS.

### TEMPORARY RAILING (TYPE K)

SHEET No.	LOCATION/ STATION	TEMPORARY RAILING (TYPE K)
TH-1 TO TH-2	"A1" 498+80.50 TO 518+31.73	1960
TH-3 TO TH-4	"A1" 498+85.50 TO 518+18.00	1940
<b>TOTAL</b>		3900

### TEMPORARY CRASH CUSHION

SHEET No.	TEMPORARY "TS11" CRASH CUSHION MODULE	
TH-1	11	
TH-2	11	
TH-3	11	
TH-4	11	
<b>TOTAL</b>		44

### CHANNELIZER (SURFACE MOUNTED)

SHEET No.	CHANNELIZER (SURFACE MOUNTED)	
TH-1	11	
TH-2	12	
TH-3	11	
TH-4	3	
<b>TOTAL</b>		37

**REPLACED PER ADDENDUM No. 1 DATED JUNE 19, 2015**

## TRAFFIC HANDLING QUANTITIES THQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** 06-TRAFFIC DESIGN  
 GURMIT GILL  
 FAWZI YAGHMOUR  
 SARAH  
 03-16-15  
 REVISOR BY DATE REVISOR  
 CALCULATED/DESIGNED BY CHECKED BY  
 FUNCTIONAL SUPERVISOR  
 MOHAMMED QATAMI

LAST REVISION DATE PLOTTED => 15-JUN-2015  
 03-16-15 TIME PLOTTED => 15:43

**INDEX TO PLANS**

SHEET No.	TITLE
1	GENERAL PLAN
2	BARRIER SLAB WITH CONCRETE BARRIER TRANSITION (LOCATION 1)
3	CONCRETE BARRIER TRANSITION (LOCATION 2)
4	CONCRETE BARRIER TRANSITION (LOCATION 3)
5	BARRIER SLAB WITH CONCRETE BARRIER TRANSITION (LOCATION 4)
6	CONCRETE BARRIER TRANSITION STEEL PLATE DETAILS

**STANDARD PLANS DATED 2010**

RSP A77U2	MIDWEST GUARDRAIL SYSTEM-CONNECTIONS TO BRIDGE RAILINGS WITHOUT SIDEWALKS-DETAILS No. 2
RSP A77U4	MIDWEST GUARDRAIL SYSTEM-TRANSITION RAILING (TYPE WB-31)
B0-3	BRIDGE DETAILS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Scr	129	9.5/10.0	129	134

REGISTERED CIVIL ENGINEER DATE 12-31-14  
 VICTOR O. LOPEZ No. C61373 Exp. 6/30/15 CIVIL  
 PLANS APPROVAL DATE 3-16-15  
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**GENERAL NOTES**

- "B1" is a new centerline of route realignment line.
- Stage construction is required for this project. Locations 2 and 4 are to be constructed during Stage 1 while traffic is traveling on the Eastbound lane. Location 1 and 3 are to be constructed during Stage 2 while traffic is traveling on the new Westbound lane. See Roadway Plans for more details.
- For Drainage, see Roadway Plans.

**RAILROAD NOTES**

- Existing minimum vertical clearance is 14'-2".
- Contractor to verify that equipment used has adequate clearance in work position and shall plan equipment moves prior to any work for all equipment with potential to impact bridge.
- In the event of any contact with the bridge structure by construction equipment, Union Pacific Railroad shall be contacted immediately at the number provided below:

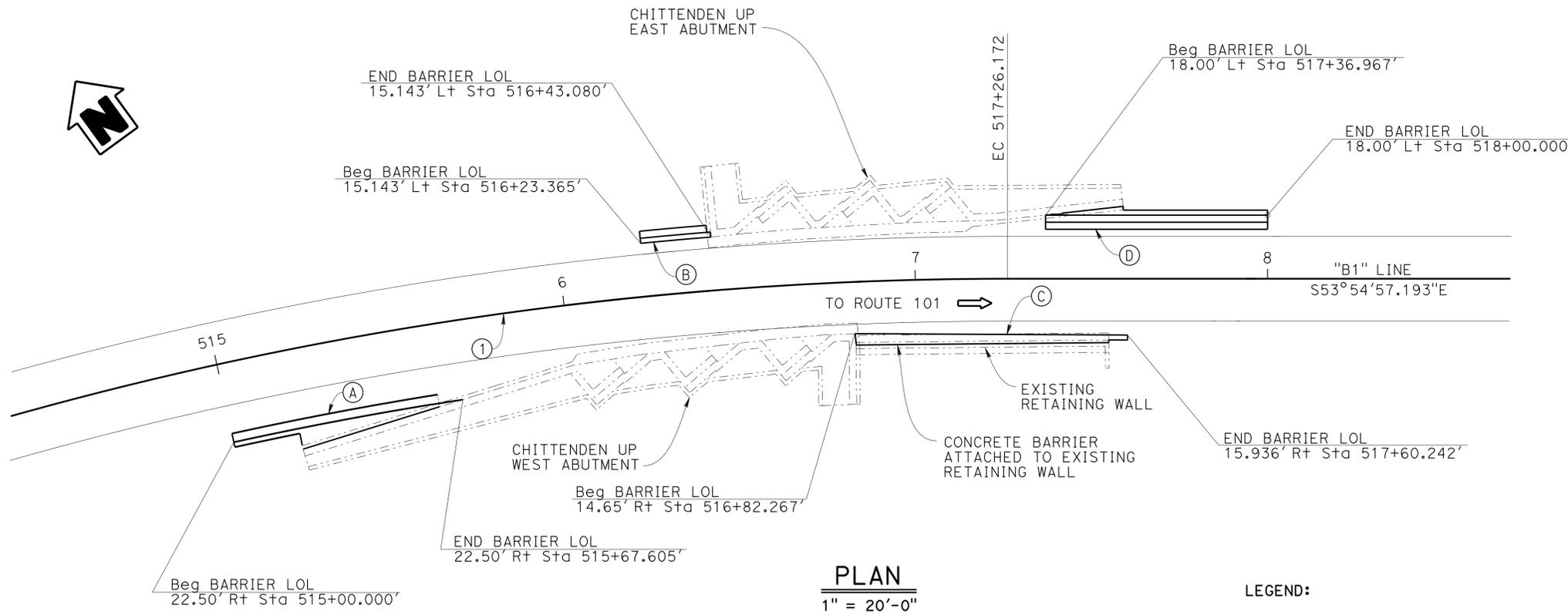
Union Pacific Railroad (UPRR) Risk Management Communications  
 Phone Number: (888)-877-7267 (24hr access)

Reference the CHITTENDEN UNDERPASS at MP 87.59, Watsonville, California and advise them to contact the Manager of Bridge Maintenance.

**DESIGN DATA**

DESIGN: AASHTO LFRD Bridge Design Specifications, 2012 Sixth Edition with California Amendments.  
 F<sub>t</sub> = 54 kips on barrier

REINFORCED CONCRETE: f'c = 3,600 psi



**PLAN**  
 1" = 20'-0"

**LEGEND:**  
 - - - - - INDICATES EXISTING STRUCTURE  
 ——— INDICATES NEW CONSTRUCTION

**NOTES:**

- (A) BARRIER SLAB WITH CONCRETE BARRIER TRANSITION (LOCATION 1)
- (B) CONCRETE BARRIER TRANSITION (LOCATION 2)
- (C) CONCRETE BARRIER TRANSITION (LOCATION 3)
- (D) BARRIER SLAB WITH CONCRETE BARRIER TRANSITION (LOCATION 4)

**CURVE DATA**

No.	R	Δ	T	L
①	1047.72'	28°18'51"	264.28'	517.76'

NOTE:  
 THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

**1 REPLACED PER ADDENDUM No. 1 DATED JUNE 19, 2015**

**QUANTITIES**

STRUCTURAL CONCRETE, BARRIER SLAB 38 CY  
 CONCRETE BARRIER (TRANSITION) 226 LF



**CHITTENDEN UNDERPASS**

**BARRIER SLABS WITH CONCRETE BARRIER**

**GENERAL PLAN**

DAVID A. NEUMANN DESIGN ENGINEER	DESIGN	BY VICTOR LOPEZ	CHECKED JOEL MAGANA	LOAD & RESISTANCE FACTOR DESIGN	LIVE LOADING: HL93 W/"LOW-BOY"; PERMIT DESIGN VEHICLE	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES DESIGN AND TECHNICAL SERVICES SPECIAL DESIGNS BRANCH	BRIDGE NO.	36-0035	
	DETAILS	BY SHUMEI JIANG BOB EDWARDS	CHECKED VICTOR LOPEZ	LAYOUT	BY SHUMEI JIANG			CHECKED VICTOR LOPEZ	POST MILE	9.91
	QUANTITIES	BY VICTOR LOPEZ	CHECKED JOEL MAGANA	SPECIFICATIONS	BY JIM CORRADO			CHECKED JIM CORRADO		