

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 DESIGN  
 NOMER GUITERREZ  
 FUNCTIONAL SUPERVISOR  
 CALCULATED/DESIGNED BY  
 CHECKED BY  
 HELEN LAM  
 RICHARD BOYER  
 REVISOR BY  
 DATE REVISED  
 HL  
 1-29-15  
 HL  
 1-21-15  
 HL  
 11-7-14

### ROADWAY QUANTITIES

**ABBREVIATION:**  
 HFST - HIGH FRICTION SURFACE TREATMENT  
 TMS - TRAFFIC MONITORING STATION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	4	R16.2	23	56

Richard J. Boyer 1/23/15  
 REGISTERED CIVIL ENGINEER DATE  
 1-26-15  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
**RICHARD J. BOYER**  
 No. 75844  
 Exp. 6/30/16  
 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 BARRIER (TYPE 60)

Sta - Sta	LF
105+50- 109+00	350

LOCATION	Sta - Sta	COLD PLANE AC PAVEMENT	HMA (TYPE A)	TACK COAT	DRILL AND BOND DOWEL	JPCP (RSC)	CLASS 2 AGGREGATE BASE	CLASS 2 AGGREGATE SUBBASE	HFST (Polymer Resin)	REMOVE CONCRETE PAVEMENT	ROADWAY EXCAVATION
		SQYD	TON	TON	LF	CY	CY	CY	SQYD	CY	CY
BARRIER MOUNTED SIGN					8						
MAINLINE	103+50 - 114+35		568			1,137		796			
MAINLINE	100+00 - 115+87								4,285	630	2217
OUTSIDE SHOULDER	103+50 - 114+35	1,007	168	2					1,816		
INSIDE SHOULDER	103+50 - 114+35	360	60						880		
FROM DIKE QUANTITIES			34.7								
DIKE PAD	100+18 - 115+87		33								
CB BASE	105+50 - 109+00		27.1				20.5				30
<b>TOTAL</b>		1,367	890.8	2	8	1,137	20.5	796	6,981	630	2,247

### EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS

PM	RTE	DIRECTION	LOCATION	ELEMENT	DETECTOR TYPE
15.720	4	E	W/O I-5	TMS	LOOPS
15.720	4	W	W/O I-5	TMS	LOOPS
15.990	4		I-5 SB	SIGNAL	LOOPS
16.000	4		I-5 NB	SIGNAL	LOOPS
16.003	4	E	OFF RAMP TO SB I-5	TMS	LOOPS
16.031	4	E	OFF RAMP TO NB I-5	TMS	LOOPS
16.150	4	W	OFF RAMP TO SB I-5	TMS	LOOPS
16.500	4	E	E/O I-5	TMS	LOOPS
16.500	4	W	E/O I-5	TMS	LOOPS
16.630	4		WASHINGTON ST & CENTER ST	SIGNAL	LOOPS
16.640	4		LAFAYETTE ST & CENTER ST	SIGNAL	LOOPS
16.700	4		WASHINGTON ST & ELDORADO ST	SIGNAL	LOOPS
16.710	4		LAFAYETTE ST & ELDORADO ST	SIGNAL	LOOPS

POSTMILES LISTED ARE APPROXIMATE

### METAL BEAM GUARDRAIL ITEMS

Sta - Sta	SIDE	REMOVE GUARDRAIL	MGS (WOOD POST)	REMOVE FLARED TERMINAL SYSTEM	ALTERNATIVE IN LINE TERMINAL SYSTEM	END ANCHOR ASSEMBLY (TYPE SFT)	TREATED WOOD WASTE
			(N)	(N)	(N)	(N)	(N)
		LF	LF	EA	EA	EA	LB
106+50 - 109+00	L+	250		1			5,956
107+50 - 111+50	R+	400	400		1	1	6,488
SHEET PDQ-1	R+						145
<b>TOTAL</b>		650	400		1	1	12,589

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



### DIKE QUANTITIES

Sta - Sta	PLACE HMA DIKE (TYPE C)	PLACE HMA DIKE (TYPE A)	*HMA	REMOVE AC DIKE
	LF	LF	TON	LF
100+18 - 101+00		82	2.2	82
101+00- 104+50	350		2.7	350
104+50 - 111+00		650	17.6	650
111+00 - 111+50	50		0.4	50
111+50 - 115+87		437	11.9	437
<b>TOTAL</b>	400	1169	*34.7	1569

\* INCLUDED IN ROADWAY QUANTITIES TABLE

**1** REPLACED PER ADDENDUM No. 1 DATED MAY 8, 2015

## SUMMARY OF QUANTITIES

**Q-1**

LAST REVISION DATE PLOTTED => 05-MAY-2015  
 12-16-14 TIME PLOTTED => 15:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	4	R16.2	50A	56

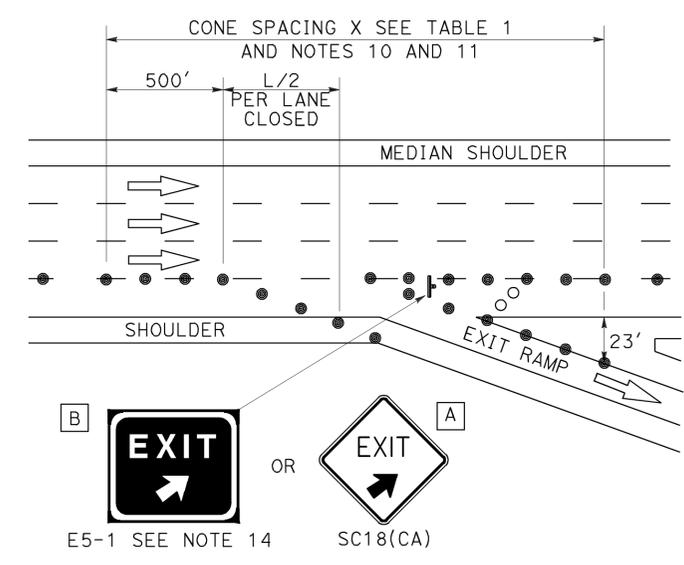
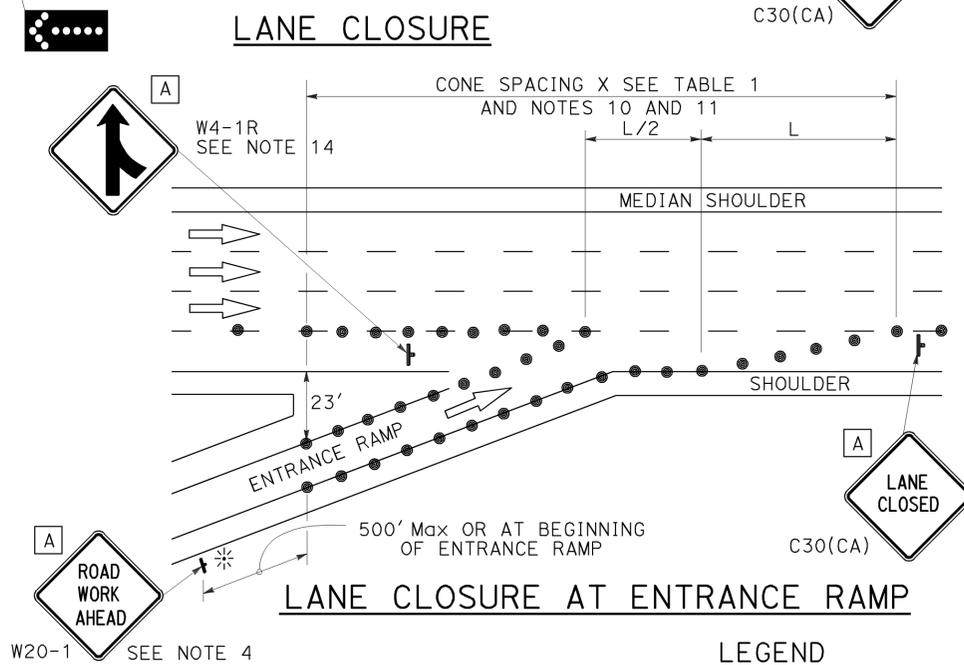
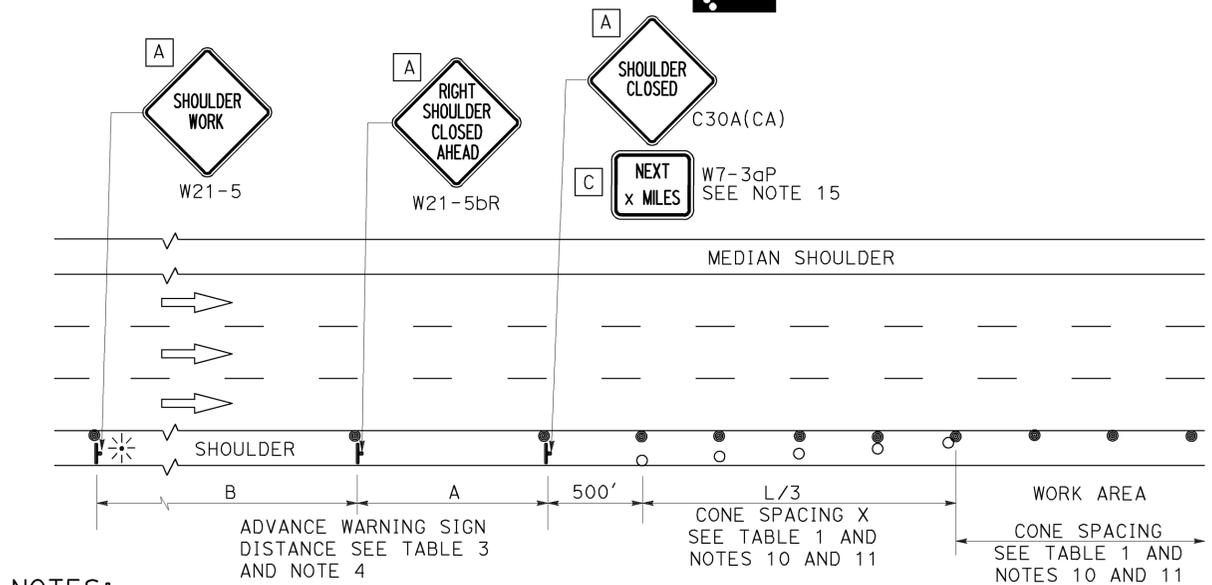
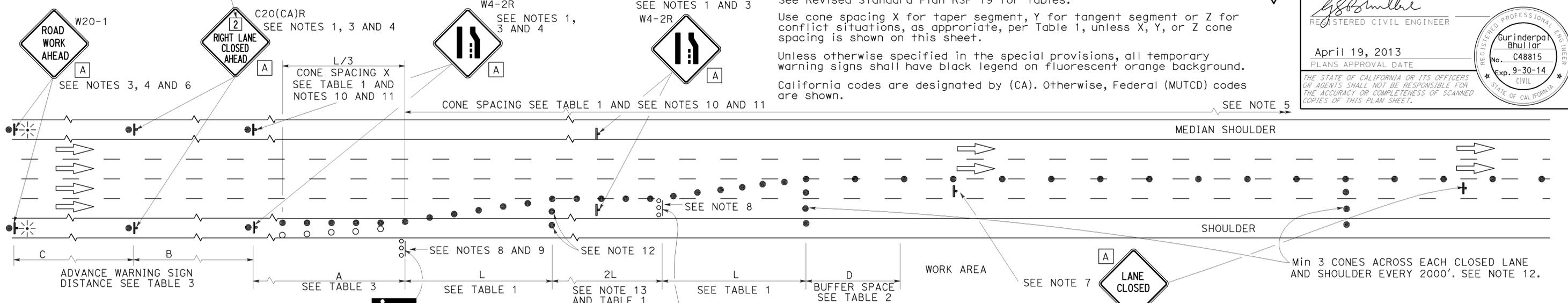
REGISTERED CIVIL ENGINEER  
 April 19, 2013  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER  
 Gurinderpal Bhullar  
 No. C48815  
 Exp. 9-30-14  
 CIVIL  
 STATE OF CALIFORNIA

OVERLAY (AS APPROPRIATE) **1** ADDED PER ADDENDUM No. 1 DATED MAY 8, 2015

**NOTES:**  
 TO ACCOMPANY PLANS DATED 1-26-15

See Revised Standard Plan RSP T9 for tables.  
 Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.  
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.  
 California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



- NOTES:**
- Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
  - At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
  - Duplicate sign installations are not required:
    - On opposite shoulder if at least one-half of the available lanes remain open to traffic.
    - In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
  - Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
  - A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.

- SHOULDER CLOSURE**
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT \_\_\_\_\_ MILES", use a C20(CA) "NEXT \_\_\_\_\_ MILES" sign for the first advance warning sign.
  - Place a C30(CA) sign every 2000' throughout length of lane closure.
  - One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
  - A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
  - All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
  - Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.

- Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
- Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
- Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
- A W7-3aP "NEXT \_\_\_\_\_ MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.

**LEGEND**

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- † TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- ☼ PORTABLE FLASHING BEACON

**SIGN PANEL SIZE (Min)**

- A 48" x 48"
- B 72" x 60"
- C 36" x 30"

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM  
 FOR LANE CLOSURE ON  
 FREEWAYS AND EXPRESSWAYS**

NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP T10**

2010 REVISED STANDARD PLAN RSP T10