

INDEX OF PLANS

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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN RIVERSIDE COUNTY
NEAR MECCA FROM 0.2 MILES SOUTH
FROM ENTRANCE OF MECCA BEACH CAMPGROUND
TO ROUTE 195/66TH AVENUE

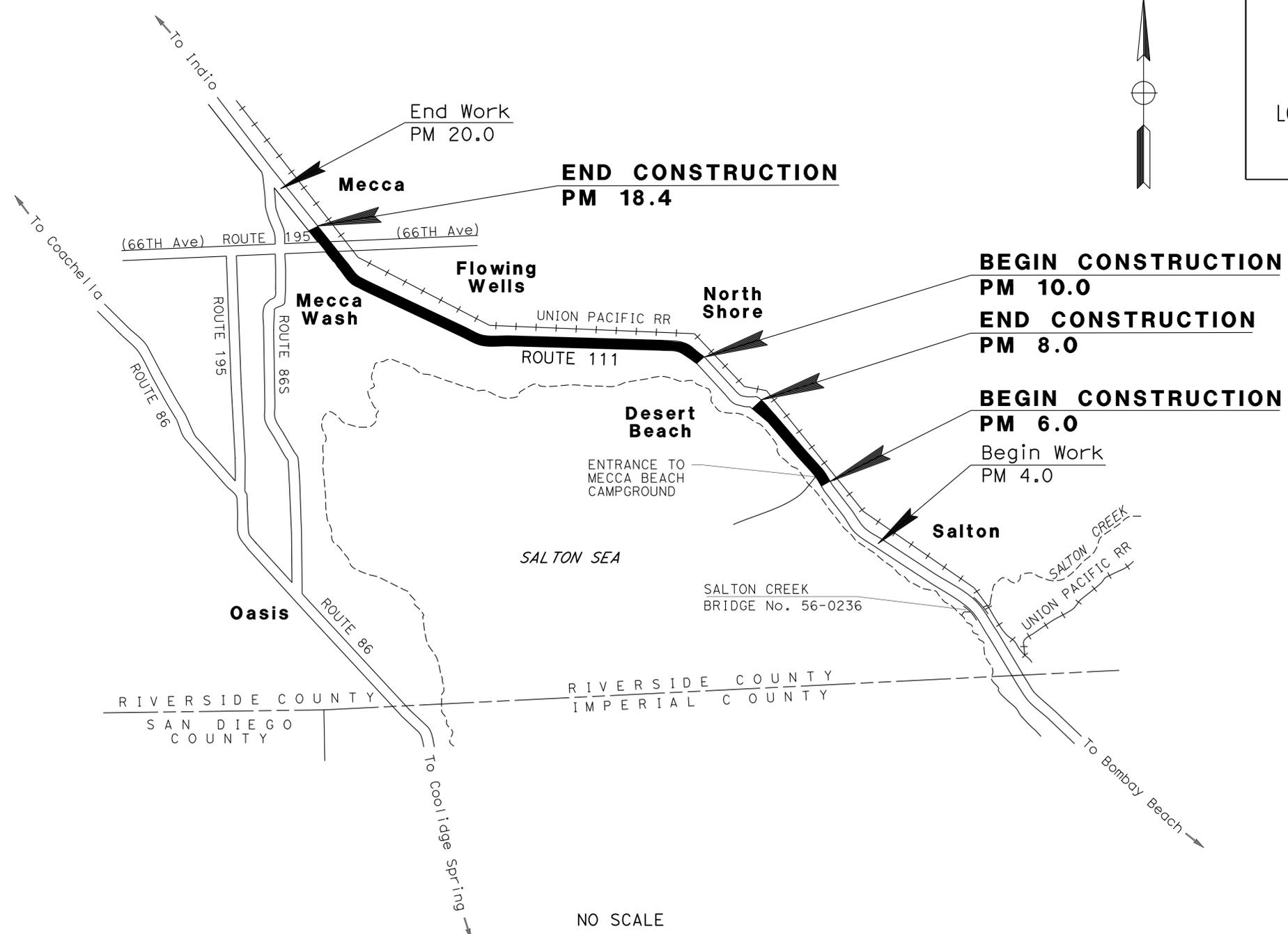
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	111	6.0/18.4	1	10



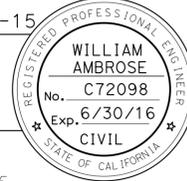


LOCATION MAP



PROJECT MANAGER MIKE RISTIC	DESIGN MANAGER WILLIAM AMBROSE
---------------------------------------	--

William Ambrose 01-13-15
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
February 2, 2015
 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.



THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

DATE PLOTTED => 26-JAN-2015 TIME PLOTTED => 11:01

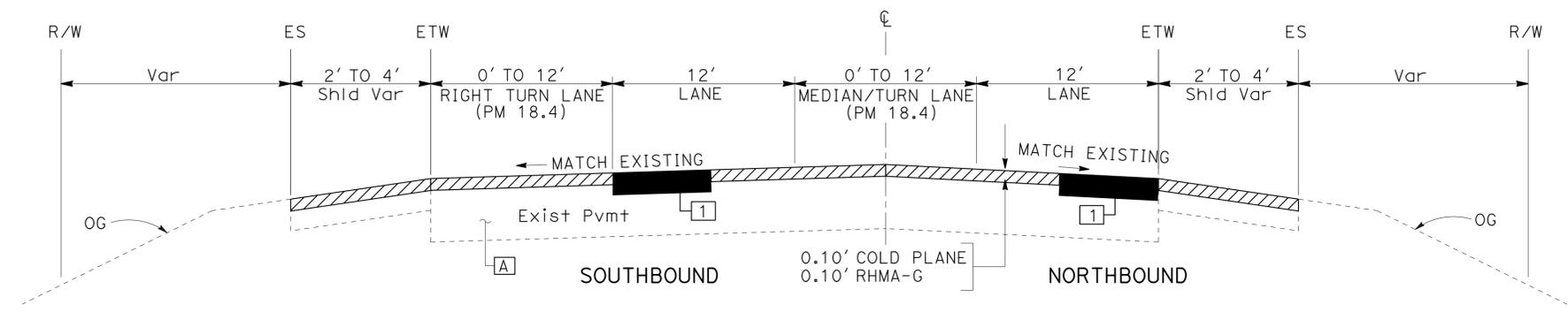
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	111	6.0/18.4	2	10
<i>William Ambrose</i> 01-13-15 REGISTERED CIVIL ENGINEER DATE			WILLIAM AMBROSE No. C72098 Exp 6/30/16 CIVIL STATE OF CALIFORNIA		
2-2-2015			PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

NOTES:

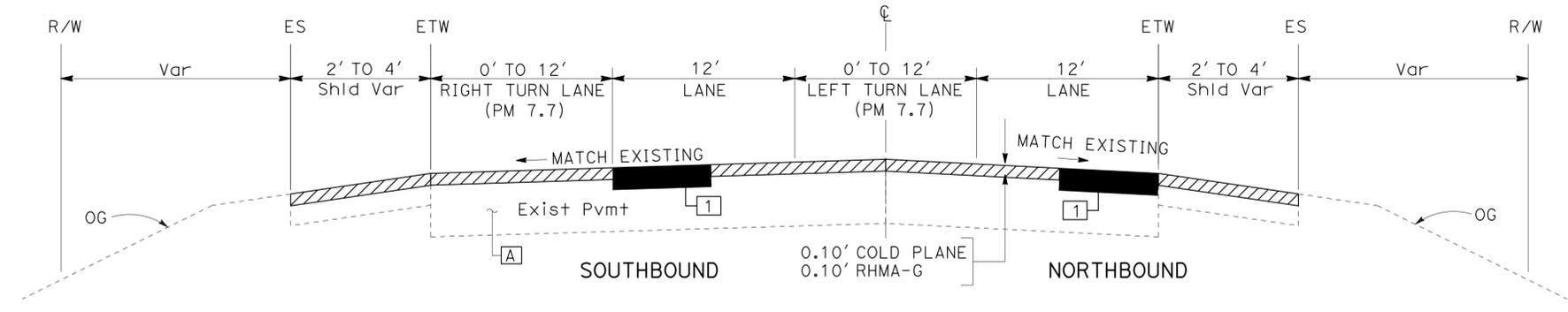
- DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
- FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
- ALL WORK WITHIN STATE RIGHT OF WAY.
- LOCATION OF HMA-A REPLACE ASPHALT CONCRETE SURFACING WILL BE DECIDED BY RE IN THE FIELD.

LEGEND:

- RHMA-G RUBBERIZED HOT MIX ASPHALT (TYPE G)
- COLD PLANE 0.10' PLACE RHMA-G 0.10
- HMA-A REPLACE 0.4' ASPHALT CONCRETE SURFACING
- EXISTING STRUCTURAL SECTION
- .5' HMA
.4' AB



ROUTE 111
FROM PM 10.0 TO PM 18.4



ROUTE 111
FROM PM 6.0 TO PM 8.0

TYPICAL CROSS SECTIONS

NO SCALE **X-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR KEVIN CHEN
 CALCULATED/DESIGNED BY KEVIN CHEN
 CHECKED BY KEVIN CHEN
 REVISIONS: REVISED BY WILLIAM AMBROSE DATE KEVIN CHEN
 DATE KEVIN CHEN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	111	6.0/18.4	3	10

01-13-15
 REGISTERED CIVIL ENGINEER DATE
 2-2-2015
 PLANS APPROVAL DATE

WILLIAM AMBROSE
 No. C72098
 Exp. 6/30/16
 CIVIL

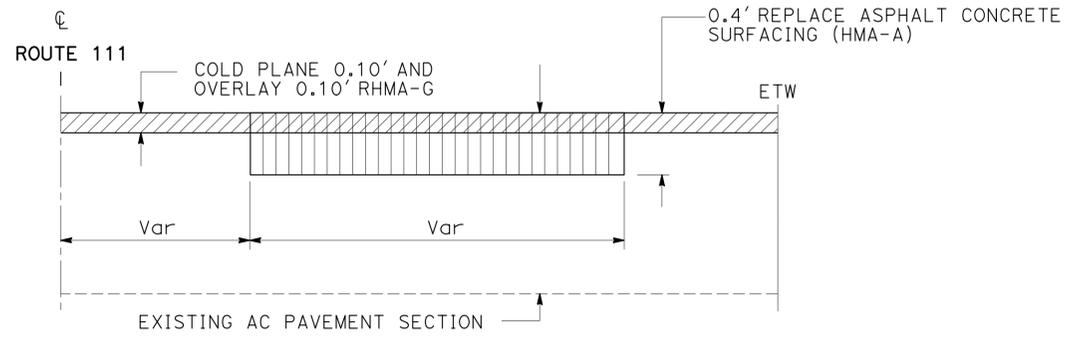
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

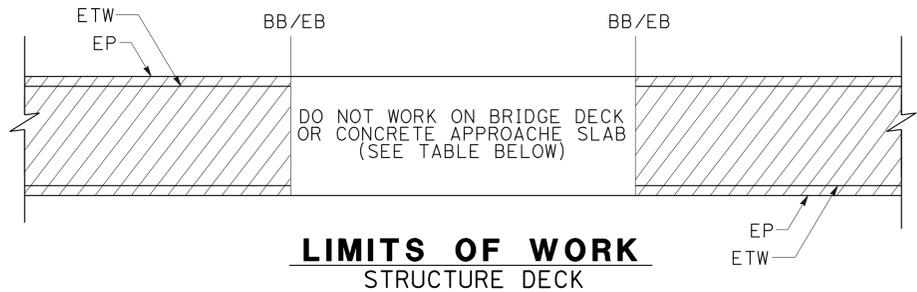
- FOR REPLACE ASPHALT CONCRETE SURFACING QUANTITIES SEE SHEET Q-1
- FOR COLDPLANE AND RHMA-G QUANTITIES SEE SHEET Q-1

LEGEND:

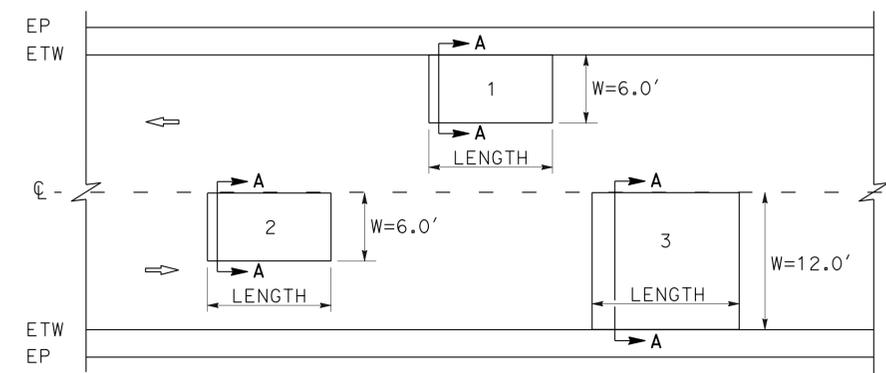
-  COLD PLANE 0.10' AND PLACE .10 RHMA-G
-  REPLACE ASPHALT CONCRETE SURFACING WITH HMA-A



REPLACE ASPHALT SURFACING SECTION A-A

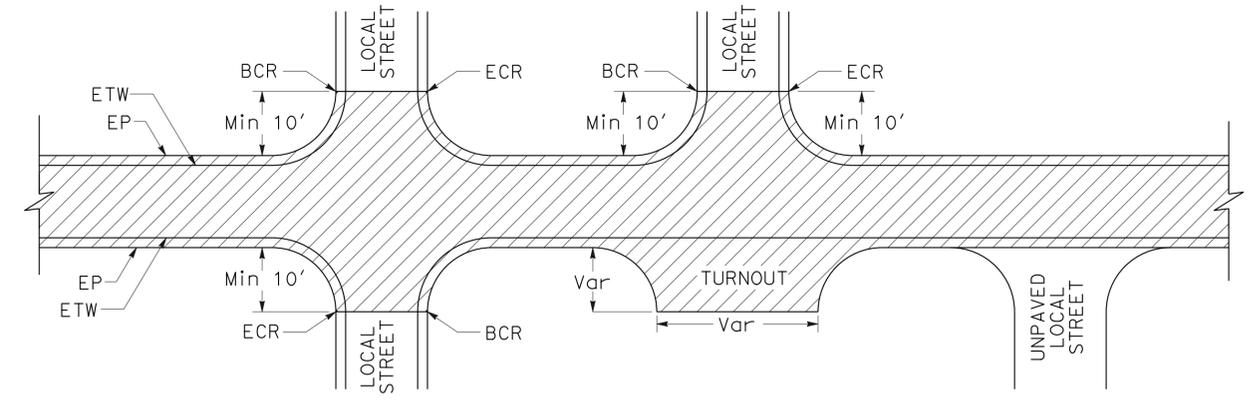


BRIDGE NUMBER	BRIDGE NAME	PM
56 0284	ELM DITCH	6.6
56 0285	DATE DITCH	7.97
56 0286	PALM DITCH	8.65
56 0287	FIR DITCH	9.54
56 0288	GRAPE DITCH	9.87
56 0289	MAPLE DITCH	10.74
56 0290	OAK DITCH	11.03
56 0291	OLIVE DITCH	11.3
56 0374	COACHELLA CANAL	11.55
56 0293	WALNUT DITCH	13.18
56 0275	ZIMMERER WASH	13.56
56 0274	CALEB WASH	14.03
56 0294	VINE DITCH	15.34
56 0266	NOE WASH	15.78
56 0267	FLATBUSH WASH	17.07
56 0268	MECCA WASH	17.99
56 0376	LINCOLN DRAINAGE DITCH	18.38



TYPICAL REPLACE ASPHALT SURFACING LOCATIONS

- CASE 1: RIGHT WHEEL TRACK
- CASE 2: LEFT WHEEL TRACK
- CASE 3: ENTIRE LANE



LIMIT OF WORK LOCAL STREETS

CONSTRUCTION DETAILS

NO SCALE **C-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR KEVIN CHEN
 CALCULATED/DESIGNED BY KEVIN CHEN
 CHECKED BY
 WILLIAM AMBROSE
 KEVIN CHEN
 REVISED BY DATE
 KEVIN CHEN
 DATE

LAST REVISION DATE PLOTTED => 26-JAN-2015
 01-13-15 TIME PLOTTED => 11:01

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	111	6.0/18.4	4	10

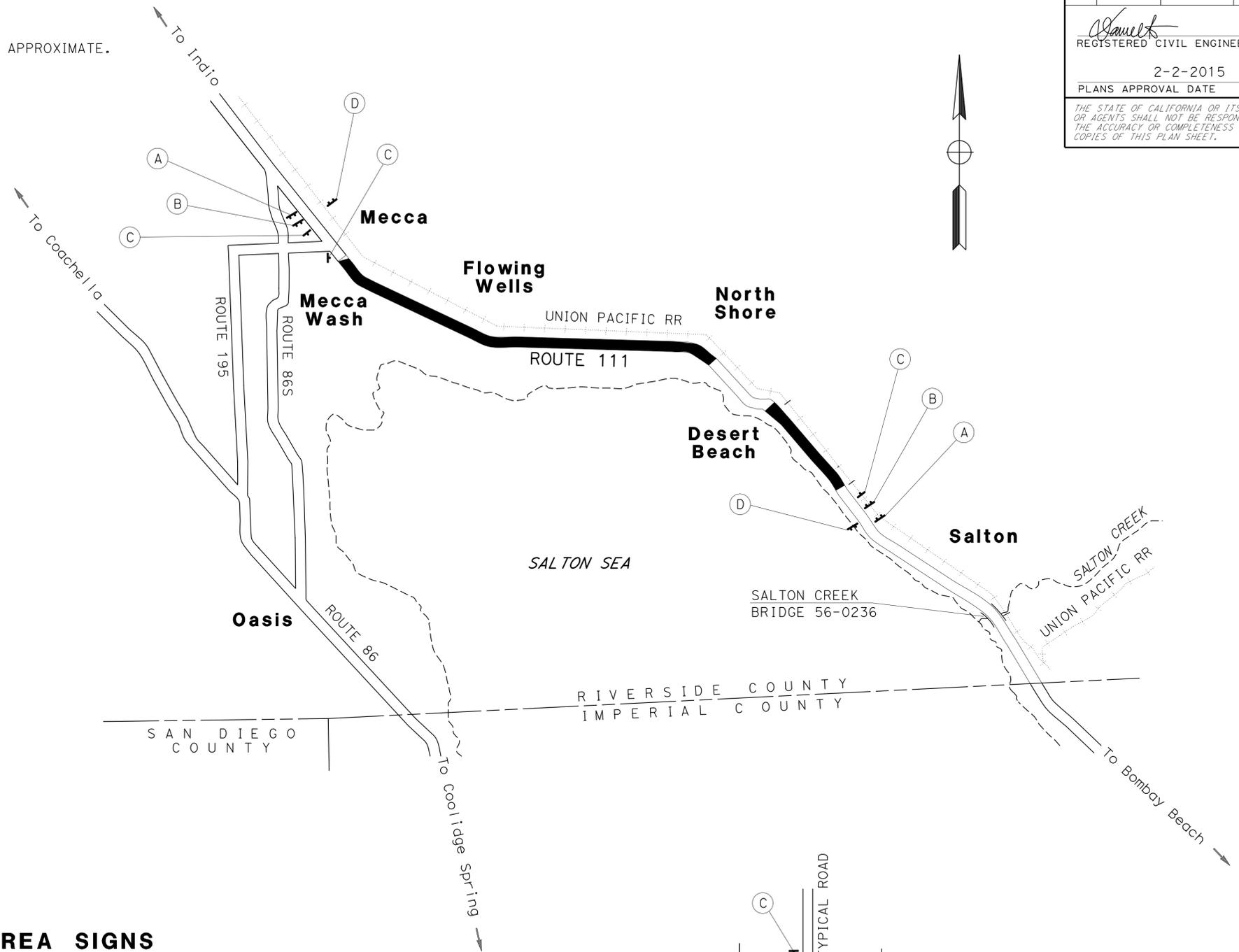
01-13-15
 REGISTERED CIVIL ENGINEER DATE
 2-2-2015
 PLANS APPROVAL DATE

DEAN D TO
 No. C81698
 Exp. 3-31-16
 CIVIL

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. LOCATION OF CONSTRUCTION AREA SIGNS SHOWN ON THE PLAN ARE APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER

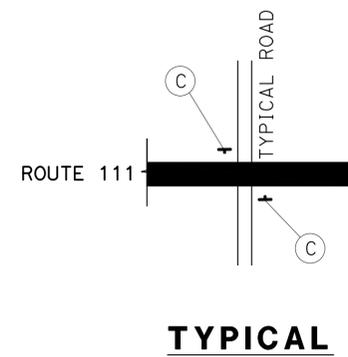


PORTABLE CHARGEABLE MESSAGE SIGN (PCMS)

EA
2

CONSTRUCTION AREA SIGNS

SIGN No. (X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	No. OF SIGNS
	FEDERAL	CALIFORNIA				
A		C40	144" x 60"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONE	2- 6" x 8"	2
B	G20-1		90" x 48"	ROAD CONSTRUCTION NEXT 15 MILES	2- 6" x 6"	2
C	W20-1		48" x 48"	ROAD WORK AHEAD	1- 6" x 6"	22
D	G20-2		48" x 24"	END ROAD WORK	2- 4" x 4"	2



CONSTRUCTION AREA SIGNS

NO SCALE **CS-1**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR
 W. E. WASSER
 DEAN TO
 W. E. WASSER
 REVISIONS BY
 DATE
 REVISIONS BY
 DATE
 REVISIONS BY
 DATE
 REVISIONS BY
 DATE

LAST REVISION DATE PLOTTED => 26-JAN-2015
 01-13-15 TIME PLOTTED => 11:01

DEAN TO
 W. E. WASSER

REVISOR
 W. E. WASSER

FUNCTIONAL SUPERVISOR
 W. E. WASSER

DESIGNED BY
 W. E. WASSER

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	111	6.0/18.4	5	10

 01-13-15
 REGISTERED CIVIL ENGINEER DATE
 2-2-2015
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 DEAN D TO
 No. C81698
 Exp. 3-31-16
 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.

PAVEMENT DELINEATION QUANTITIES

POSTMILE LIMITS	DETAIL No. OR PAVEMENT MARKING	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)			RETROREFLECTIVE PAVEMENT MARKER		THERMOPLASTIC PAVEMENT MARKING SQFT
		4" YELLOW	4" WHITE	8" WHITE	TYPE D	TYPE G	
		LF	LF	LF	EA	EA	
6.0-8.0 10.0-18.4	6	31180			650		
	19	9290			195	390	
	22	16900			1410		
	27B		109830				
	29	3700			155		
	32	1030			90		
	38			1600		70	
	12" WHITE LINE						100
	TYPE III ARROW						882
	TYPE IV ARROW						198
TYPE V ARROW						30	
SUBTOTAL		62100	109830	1600	2500	460	1210
TOTAL		173530			2960		1210

PAVEMENT DELINEATION QUANTITIES

PDQ-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	111	6.0/18.4	6	10

William Ambrose 01-13-15
 REGISTERED CIVIL ENGINEER DATE
 2-2-2015
 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. SEE SHEET C-1 FOR CONSTRUCTION DETAILS

**COLDPLANE AND PLACE RUBBERIZED
HOT MIX ASPHALT TYPE G**

PM	PM	COLD PLANE AC PAVEMENT	TACK COAT	RHMA-G
BEGIN	END	(SQYD)	(TON)	(TON)
6.0	18.4	258,985	68	17,481

REPLACE ASPHALT CONCRETE SURFACING

ROUTE	LOCATION**			VOLUME
	FROM PM	TO PM	DIRECTION	CY
111	6.0	8.0	NB	127.7
111	11.0	11.5	NB	182.2
111	12.0	14.0	NB	277.6
111	18.0	18.4	NB	323.6
111	7.0	8.0	SB	68.1
111	11.0	13.0	SB	170.3
TOTAL				1149.5

(**) EXACT LOCATIONS AND DIMENSIONS OF REPLACE AC SURFACING SHALL BE DETERMINED BY THE ENGINEER.

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR KEVIN CHEN
 CALCULATED/DESIGNED BY CHECKED BY
 WILLIAM AMBROSE KEVIN CHEN
 REVISED BY DATE REVISED

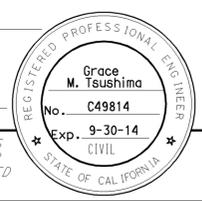


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	111	6.0/18.4	7	10

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

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TO ACCOMPANY PLANS DATED 2-2-15

UNIT OF MEASUREMENT SYMBOLS:

Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft ³ , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
∅	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS
(SHEET 2 OF 2)**

NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A10B

<p style="text-align: center;">M</p> <p>Maint MAINTENANCE</p> <p>Max MAXIMUM</p> <p>MB METAL BEAM</p> <p>MBB METAL BEAM BARRIER</p> <p>MBGR METAL BEAM GUARD RAILING</p> <p>Med MEDIAN</p> <p>MGS MIDWEST GUARDRAIL SYSTEM</p> <p>MH MANHOLE</p> <p>Min MINIMUM</p> <p>Misc MISCELLANEOUS</p> <p>Misc I & S MISCELLANEOUS IRON AND STEEL</p> <p>Mkr MARKER</p> <p>Mod MODIFIED, MODIFY</p> <p>Mon MONUMENT</p> <p>MP METAL PLATE</p> <p>MPGR METAL PLATE GUARD RAILING</p> <p>MR MOVEMENT RATING</p> <p>MSE MECHANICALLY STABILIZED EMBANKMENT</p> <p>Mt MOUNTAIN, MOUNT</p> <p>MtI MATERIAL</p> <p>MVP MAINTENANCE VEHICLE PULLOUT</p> <p style="text-align: center;">N</p> <p>N NORTH</p> <p>NB NORTHBOUND</p> <p>No. NUMBER (MUST HAVE PERIOD)</p> <p>Nos. NUMBERS (MUST HAVE PERIOD)</p> <p>NPS NOMINAL PIPE SIZE</p> <p>NS NEAR SIDE</p> <p>NSP NEW STANDARD PLAN</p> <p>NTS NOT TO SCALE</p> <p style="text-align: center;">O</p> <p>Obir OBLITERATE</p> <p>OC OVERCROSSING</p> <p>OD OUTSIDE DIAMETER</p> <p>OF OUTSIDE FACE</p> <p>OG ORIGINAL GROUND</p> <p>OGAC OPEN GRADED ASPHALT CONCRETE</p> <p>OGFC OPEN GRADED FRICTION COURSE</p> <p>OH OVERHEAD</p> <p>OHWM ORDINARY HIGH WATER MARK</p> <p>O-O OUT TO OUT</p> <p>Opp OPPOSITE</p> <p>OSD OVERSIDE DRAIN</p> <p style="text-align: center;">P</p> <p>p PAGE</p> <p>PAP PERFORATED ALUMINUM PIPE</p> <p>PB PULL BOX</p> <p>PC POINT OF CURVATURE, PRECAST</p> <p>PCC POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE</p> <p>PCMS PORTABLE CHANGEABLE MESSAGE SIGN</p> <p>PCP PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE</p> <p>PCVC POINT OF COMPOUND VERTICAL CURVE</p> <p>PEC PERMIT TO ENTER AND CONSTRUCT</p> <p>Ped PEDESTRIAN</p> <p>Ped OC PEDESTRIAN OVERCROSSING</p> <p>Ped UC PEDESTRIAN UNDERCROSSING</p> <p>Perm MtI PERMEABLE MATERIAL</p>	<p style="text-align: center;">P continued</p> <p>PG PROFILE GRADE</p> <p>PI POINT OF INTERSECTION</p> <p>PJP PARTIAL JOINT PENETRATION</p> <p>Pkwy PARKWAY</p> <p>PL, PL PLATE</p> <p>P/L PROPERTY LINE</p> <p>PM POST MILE, TIME FROM NOON TO MIDNIGHT</p> <p>PN MISCELLANEOUS</p> <p>POC POINT OF HORIZONTAL CURVE</p> <p>POT POINT OF TANGENT</p> <p>POVC POINT OF VERTICAL CURVE</p> <p>PP PIPE PILE, PLASTIC PIPE, POWER POLE</p> <p>PPL PREFORMED PERMEABLE LINER</p> <p>PPP PERFORATED PLASTIC PIPE</p> <p>PRC POINT OF REVERSE CURVE</p> <p>PRF PAVEMENT REINFORCING FABRIC</p> <p>PRVC POINT OF REVERSE VERTICAL CURVE</p> <p>PS&E PLANS, SPECIFICATIONS AND ESTIMATES</p> <p>PS, P/S PRESTRESSED</p> <p>PSP PERFORATED STEEL PIPE</p> <p>PT POINT OF TANGENCY</p> <p>PVC POLYVINYL CHLORIDE</p> <p>Pvmt PAVEMENT</p> <p style="text-align: center;">Q</p> <p>Qty QUANTITY</p> <p style="text-align: center;">R</p> <p>R RADIUS</p> <p>R & D REMOVE AND DISPOSE</p> <p>R & S REMOVE AND SALVAGE</p> <p>R/C RATE OF CHANGE</p> <p>RCA REINFORCED CONCRETE ARCH</p> <p>RCB REINFORCED CONCRETE BOX</p> <p>RCP REINFORCED CONCRETE PIPE</p> <p>RCPA REINFORCED CONCRETE PIPE ARCH</p> <p>Rd ROAD</p> <p>Reinf REINFORCED, REINFORCEMENT, REINFORCING</p> <p>Rel RELOCATE</p> <p>Repl REPLACEMENT</p> <p>Ret RETAINING</p> <p>Rev REVISED, REVISION</p> <p>Rdwy ROADWAY</p> <p>RHMA RUBBERIZED HOT MIX ASPHALT</p> <p>Riv RIVER</p> <p>RM ROAD-MIXED</p> <p>RP RADIUS POINT, REFERENCE POINT</p> <p>RR RAILROAD</p> <p>RSP ROCK SLOPE PROTECTION, REVISED STANDARD PLAN</p> <p>Rt RIGHT</p> <p>Rte ROUTE</p> <p>RW REDWOOD, RETAINING WALL</p> <p>R/W RIGHT OF WAY</p> <p>Rwy RAILWAY</p>	<p style="text-align: center;">S</p> <p>S SOUTH, SUPPLEMENT</p> <p>SAE STRUCTURE APPROACH EMBANKMENT</p> <p>Salv SALVAGE</p> <p>SAPP STRUCTURAL ALUMINUM PLATE PIPE</p> <p>SB SOUTHBOUND</p> <p>SC SAND CUSHION</p> <p>SCSP SLOTTED CORRUGATED STEEL PIPE</p> <p>SD STORM DRAIN</p> <p>Sec SECOND, SECTION</p> <p>Sep SEPARATION</p> <p>SG SUBGRADE</p> <p>Shld SHOULDER</p> <p>Sht SHEET</p> <p>Sim SIMILAR</p> <p>∫ STATION LINE</p> <p>SM SELECTED MATERIAL</p> <p>Spec SPECIAL, SPECIFICATIONS</p> <p>SPP SLOTTED PLASTIC PIPE</p> <p>SS SLOPE STAKE</p> <p>SSBM STRAP AND SADDLE BRACKET METHOD</p> <p>SSD STRUCTURAL SECTION DRAIN</p> <p>SSPA STRUCTURAL STEEL PLATE ARCH</p> <p>SSPP STRUCTURAL STEEL PLATE PIPE</p> <p>SSPPA STRUCTURAL STEEL PLATE PIPE ARCH</p> <p>SSRP STEEL SPIRAL RIB PIPE</p> <p>St STREET</p> <p>Sta STATION</p> <p>STBB SINGLE THRIE BEAM BARRIER</p> <p>Std STANDARD</p> <p>Str STRUCTURE</p> <p>Surf SURFACING</p> <p>SW SIDEWALK, SOUND WALL</p> <p>Swr SEWER</p> <p>Sym SYMMETRICAL</p> <p>S4S SURFACE 4 SIDES</p> <p style="text-align: center;">T</p> <p>T SEMI-TANGENT</p> <p>Tan TANGENT</p> <p>TBB THRIE BEAM BARRIER</p> <p>Tbr TIMBER</p> <p>TC TOP OF CURB</p> <p>TCB TRAFFIC CONTROL BOX</p> <p>TCE TEMPORARY CONSTRUCTION EASEMENT</p> <p>TeI TELEPHONE</p> <p>Temp TEMPORARY</p> <p>TG TOP OF GRADE</p> <p>Tot TOTAL</p> <p>TP TELEPHONE POLE</p> <p>TPB TREATED PERMEABLE BASE</p> <p>TPM TREATED PERMEABLE MATERIAL</p> <p>Trans TRANSITION</p>	<p style="text-align: center;">T continued</p> <p>TS TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL</p> <p>Typ TYPICAL</p> <p style="text-align: center;">U</p> <p>UC UNDERCROSSING</p> <p>UD UNDERDRAIN</p> <p>UG UNDERGROUND</p> <p>UON UNLESS OTHERWISE NOTED</p> <p>UP UNDERPASS</p> <p style="text-align: center;">V</p> <p>V VALVE, DESIGN SPEED</p> <p>Var VARIABLE, VARIES</p> <p>VC VERTICAL CURVE</p> <p>VCP VITRIFIED CLAY PIPE</p> <p>Vert VERTICAL</p> <p>Via VIADUCT</p> <p>Vol VOLUME</p> <p style="text-align: center;">W</p> <p>W WEST, WIDTH</p> <p>WB WESTBOUND</p> <p>WH WEEP HOLE</p> <p>WM WIRE MESH</p> <p>WS WATER SURFACE</p> <p>WSP WELDED STEEL PIPE</p> <p>Wt WEIGHT</p> <p>WV WATER VALVE</p> <p>WW WINGWALL</p> <p>WWLOL WINGWALL LAYOUT LINE</p> <p style="text-align: center;">X</p> <p>X Sec CROSS SECTION</p> <p>Xing CROSSING</p> <p style="text-align: center;">Y</p> <p>Yr YEAR</p> <p>Yrs YEARS</p>
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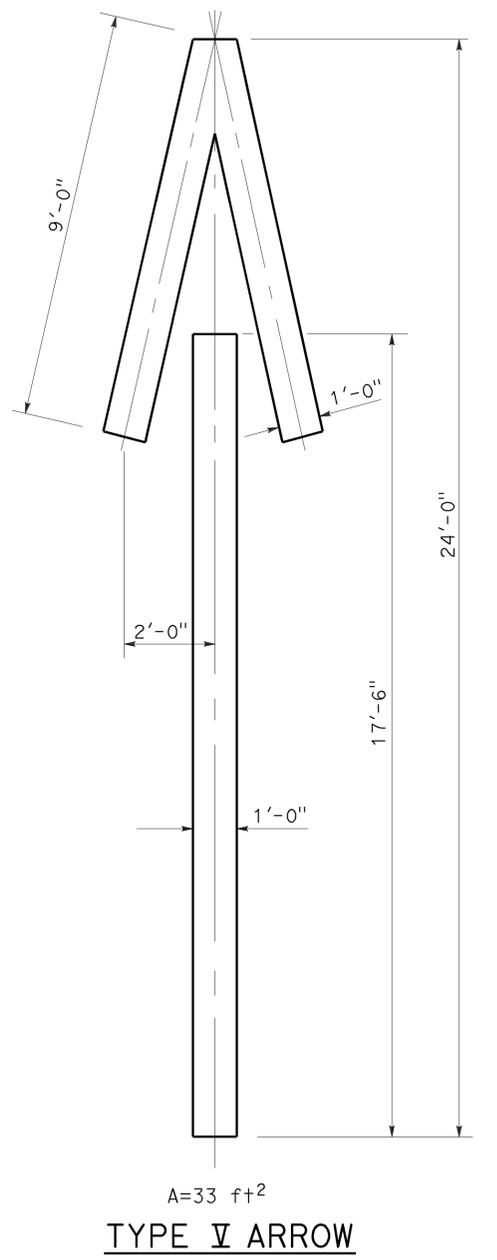
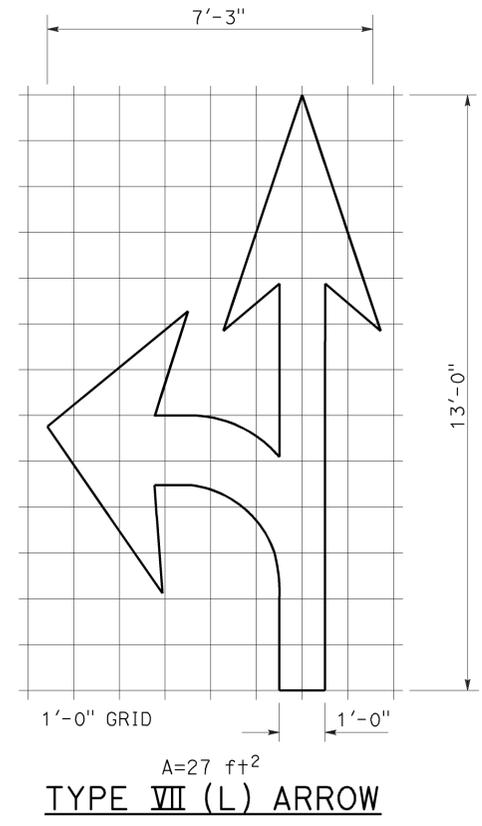
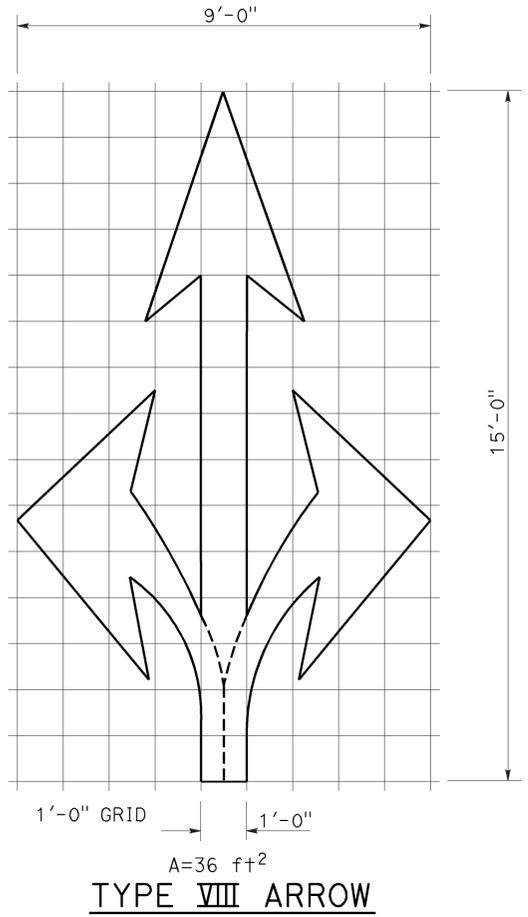
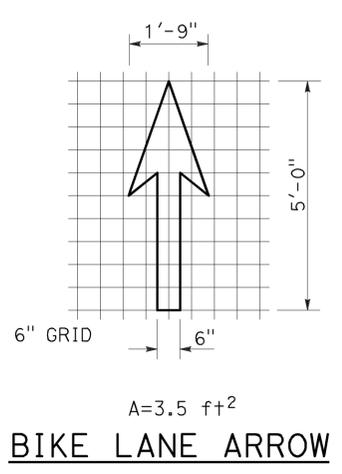
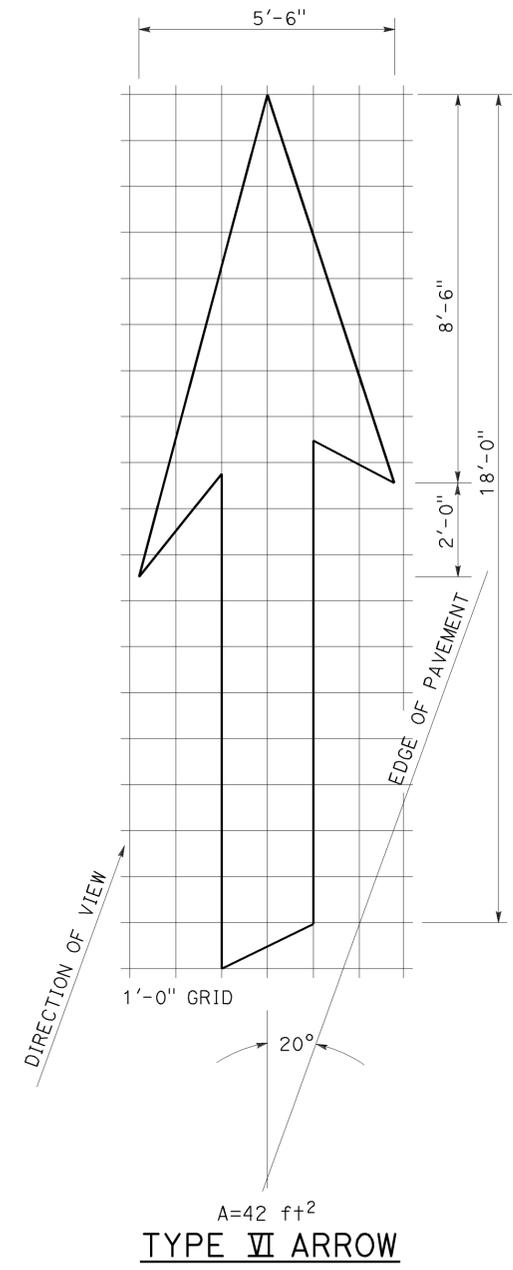
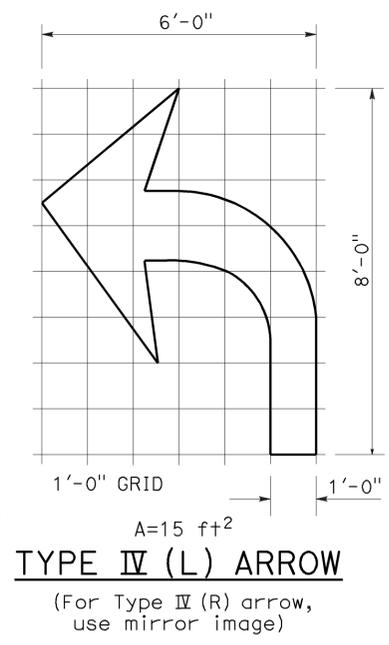
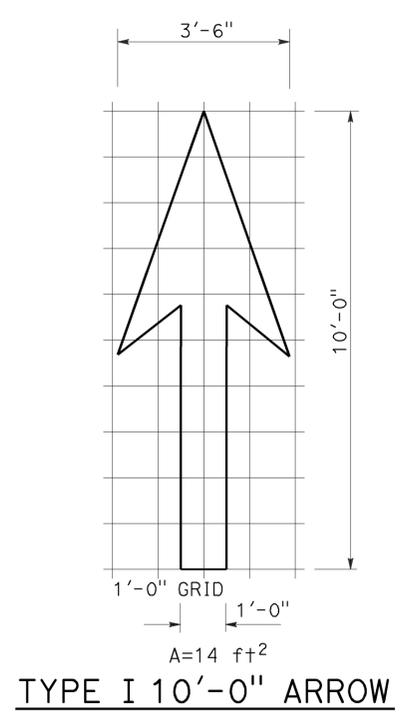
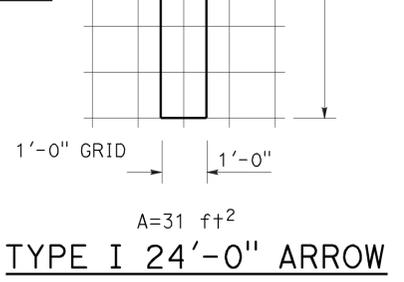
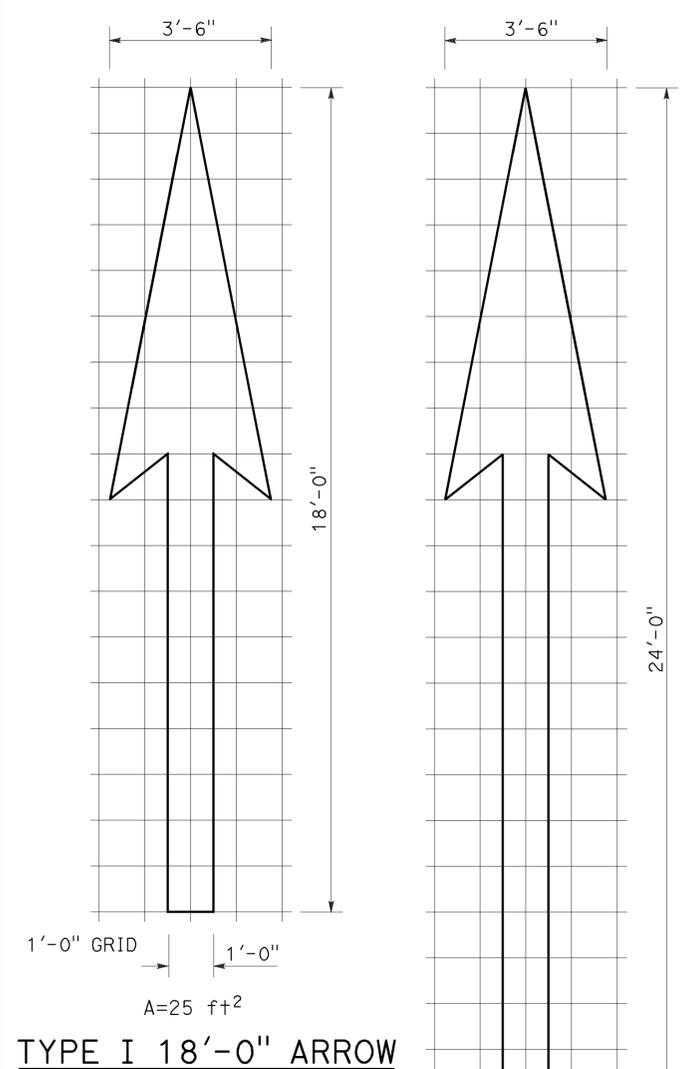
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	111	6.0/18.4	8	10

Robert L. McLaughlin
 REGISTERED CIVIL ENGINEER
 April 20, 2012
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Roberta L. McLaughlin
 No. C40375
 Exp. 3-31-13
 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.

TO ACCOMPANY PLANS DATED 2-2-15



NOTE:
 Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
 ARROWS**
 NO SCALE

RSP A24A DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN A24A DATED MAY 20, 2011 - PAGE 13 OF THE STANDARD PLANS BOOK DATED 2010.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	111	6.0/18.4	9	10

Devinder Singh
 REGISTERED CIVIL ENGINEER
 October 17, 2014
 PLANS APPROVAL DATE
 No. C50470
 Exp. 6-30-15
 CIVIL
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

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.

NOTES:

See Revised Standard Plan RSP T9 for tables.

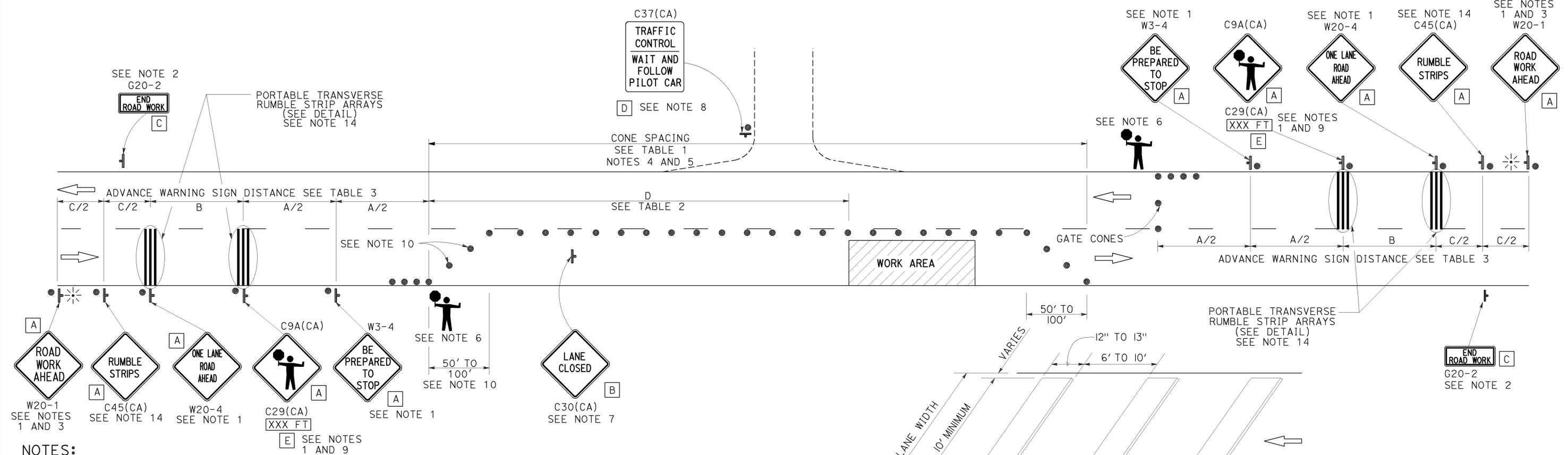
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

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.

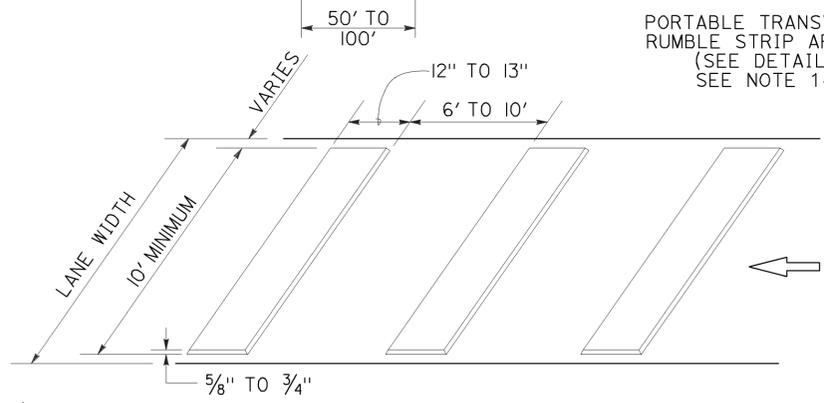
TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL

TO ACCOMPANY PLANS DATED 2-2-15



- NOTES:**
- Each advance warning sign in each direction of travel 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, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
 - If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a W20-4 sign for the first advance warning sign.
 - 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.
 - Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.

- Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
- When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within traffic control area. Signs shall be clean and visible at all times. Where traffic can not be effectively self-regulated, at least one flagger shall be used at each intersection within traffic control area.
- An optional C29(CA) sign may be placed below the C9A(CA) sign.
- Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.
- The color of the portable transverse rumble strips shall be black or orange. Use 2 arrays, each array shall consist of 3 rumble strips.
- Portable transverse rumble strips shall not be placed on sharp horizontal or vertical curves nor shall they be placed through pedestrian crossings.
- If the portable transverse rumble strips become out of alignment (skewed) by more than 6 inches, measured from one end to the other, they shall be readjusted to bring the placement back to the original location.
- Portable transverse rumble strips are not required if any one of the following conditions is satisfied:
 - Work duration occupies a location for four hours or less
 - Posted speed limit is below 45 MPH
 - Work is of emergency nature
 - Work zone is in snow or icy weather conditions



SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 30" x 30"
- C 36" x 18"
- D 36" x 42"
- E 20" x 7"

LEGEND

- TRAFFIC CONE
- ⊥ TEMPORARY TRAFFIC CONTROL SIGN
- ⚡ PORTABLE FLASHING BEACON
- 🚧 FLAGGER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

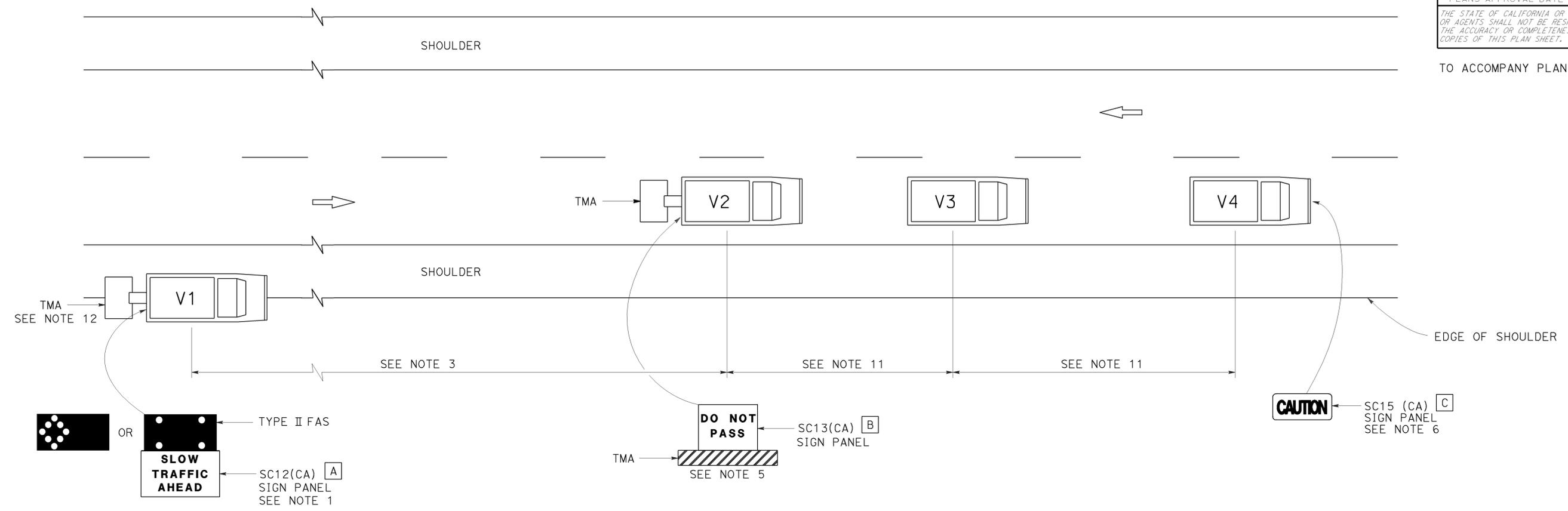
**TRAFFIC CONTROL SYSTEM
FOR LANE CLOSURE ON
TWO LANE CONVENTIONAL
HIGHWAYS**

NO SCALE

RSP T13 DATED OCTOBER 17, 2014 SUPERSEDES RSP T13 DATED JULY 18, 2014
AND RSP T13 DATED APRIL 19, 2013 AND STANDARD PLAN T13 DATED
MAY 20, 2011 - PAGE 241 OF THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP T13

TO ACCOMPANY PLANS DATED 2-2-15



NOTES:

1. Either a changeable message sign or a SC12(CA) "SLOW TRAFFIC AHEAD" sign shall be mounted on the rear of sign vehicle V1. The changeable message sign shall be sequenced to show the "CAUTION" message first, follow by the "SLOW TRAFFIC AHEAD" message. A Type II flashing arrow sign may be used with the SC12(CA) sign panel.
2. Sign vehicle V1 should be positioned where highly visible when shoulders are not available.
3. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue.
4. Vehicle-mounted sign panels shall have Type III or above retroreflective sheeting, black on white, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.
5. Shadow vehicle shall be equipped with a truck-mounted attenuator. The sign panel shown shall be mounted on the rear of shadow vehicle V2. The message "LANE CLOSED" may be used in place of the "DO NOT PASS" message.
6. The sign panel shown shall be mounted on the front of sign vehicle V4, facing opposing traffic.

7. All vehicles shall be equipped with flashing or rotating amber lights.
8. Sign vehicle V4 will not be required when the work and vehicles V2 and V3 are 2' or more from the centerline of the highway during the work or application operations.
9. All vehicles used for lane closures shall be equipped with two-way radios and the vehicle operators shall maintain communication during the work or application operation.
10. This plan shall not be used where workers would be on foot in the work area. Use a stationary type lane closure (Revised Standard Plan T13) for this condition.
11. Minimize spacing between vehicles V2 and V3 and vehicles V3 and V4 to deter road users from driving in between them.
12. If sign vehicle V1 encroaches into the traffic lane due to insufficient shoulder width, sign vehicle V1 shall be equipped with a truck-mounted attenuator. Sign vehicle V1 shall stay as close to the edge of shoulder as practicable.

LEGEND

- V1 SIGN VEHICLE
- V2 SHADOW VEHICLE
- V3 WORK/APPLICATION VEHICLE
- V4 SIGN VEHICLE
- TMA TRUCK-MOUNTED ATTENUATOR
- FLASHING ARROW SIGN (FAS) IN FLASHING CAUTION MODE
- FLASHING ARROW SIGN (FAS) IN ALTERNATING DIAMOND CAUTION

SIGN PANEL SIZE (Min)

- A 72" x 42"
- B 54" x 42"
- C 54" x 24"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR MOVING LANE CLOSURE
 ON TWO LANE HIGHWAYS**
 NO SCALE

RSP T17 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T17 DATED MAY 20, 2011 - PAGE 245 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T17

2010 REVISED STANDARD PLAN RSP T17