

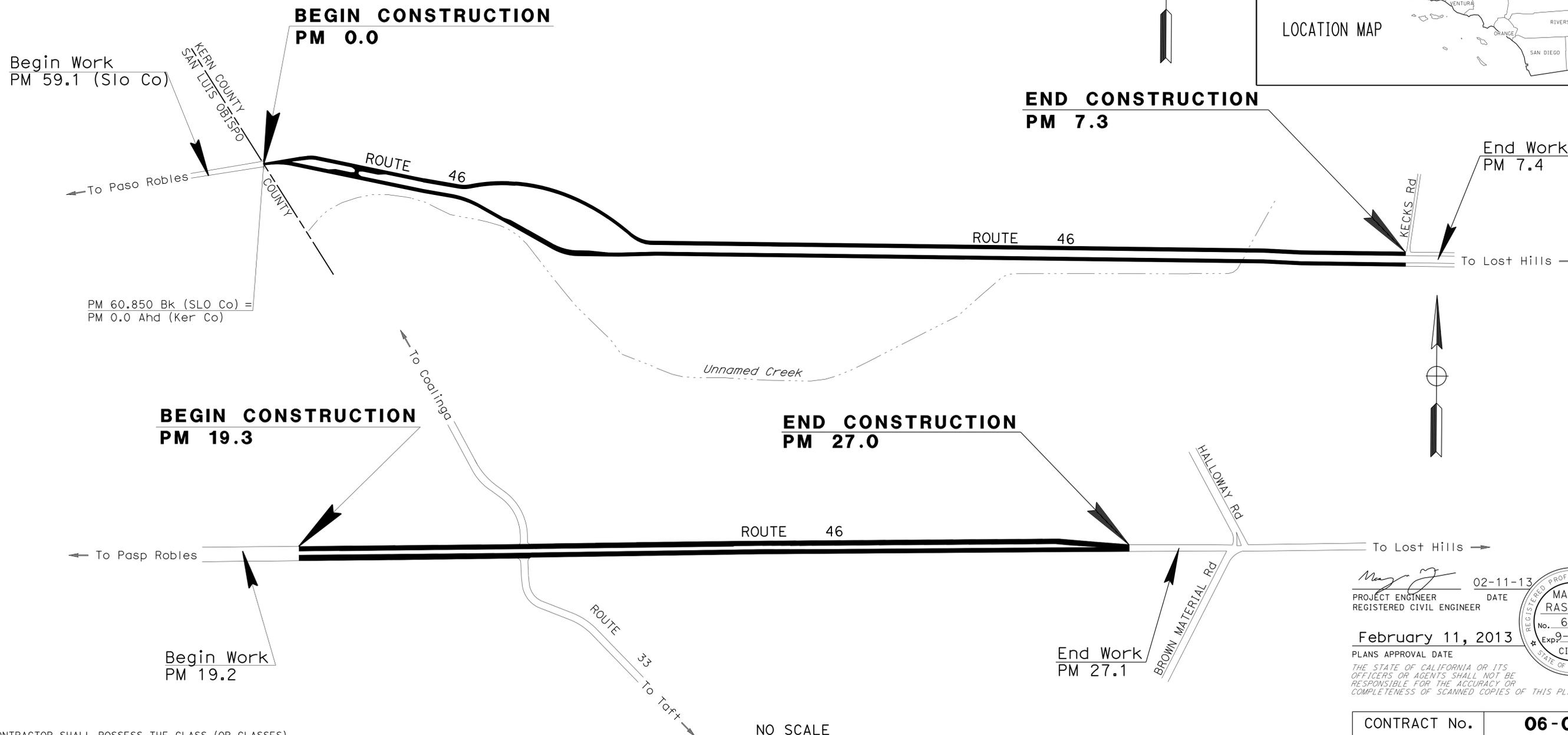
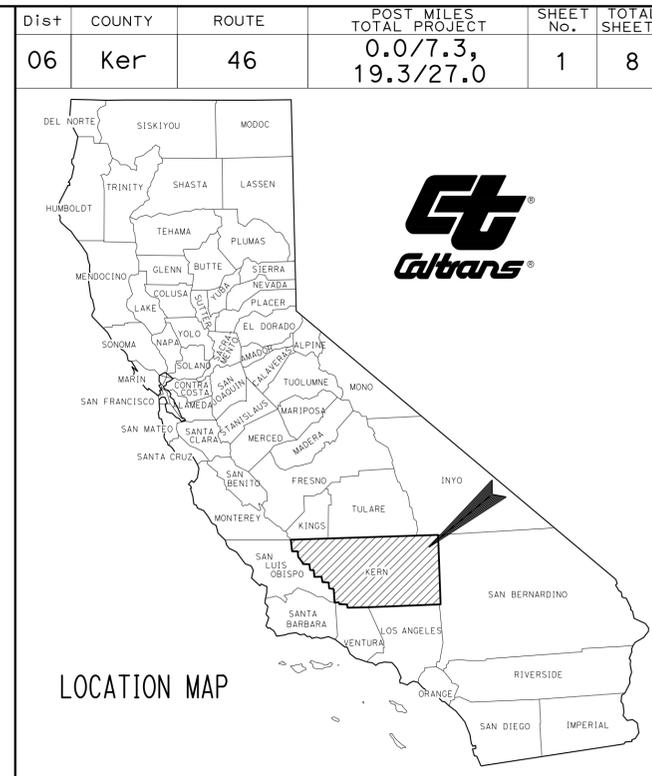
SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3	CONSTRUCTION DETAILS
4	CONSTRUCTION AREA SIGNS
5	SUMMARY OF QUANTITIES
6	TRAFFIC CONTROL SYSTEM
7-8	REVISED STANDARD PLANS

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

STATE OF CALIFORNIA ACNH-P046(048)E
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN KERN COUNTY NEAR LOST HILLS
FROM SAN LUIS OBISPO COUNTY LINE TO KECKS ROAD
AND FROM 1.2 MILES WEST OF ROUTE 33
TO 0.5 MILE WEST OF BROWN MATERIAL ROAD

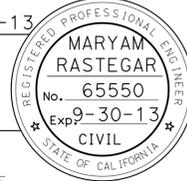
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



PROJECT MANAGER
VICTOR SHAW

DESIGN ENGINEER
RENE SANCHEZ

PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 DATE 02-11-13
 February 11, 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.



CONTRACT No.	06-0P9204
PROJECT ID	0612000308

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

NO SCALE

DATE PLOTTED => 04-MAR-2013
TIME PLOTTED => 10:17

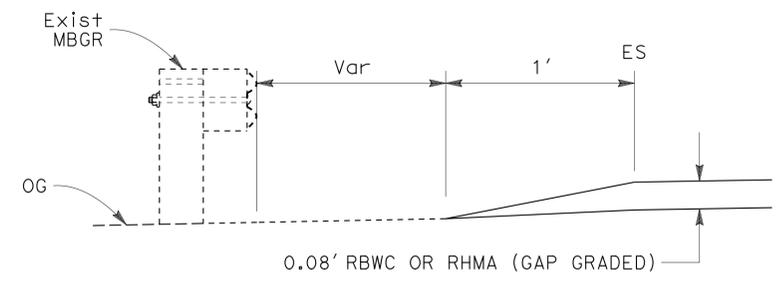
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	46	0.0/7.3, 19.3/27.0	3	8

REGISTERED CIVIL ENGINEER	DATE
<i>Maryam Rastegar</i>	02-11-13
PLANS APPROVAL DATE	
	02-11-13

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.

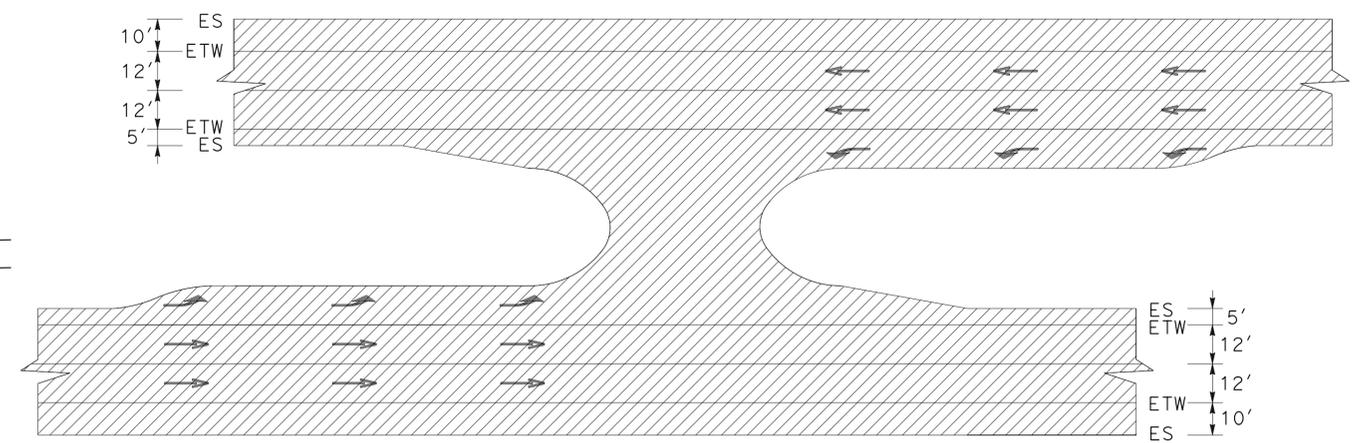
LEGEND:
 COLD PLANE AC PAVEMENT
 0.08' RBWC OR RHMA (GAP GRADED)

ABBREVIATION:
 RBWC RUBBERIZED BONDED WEARING COURSE



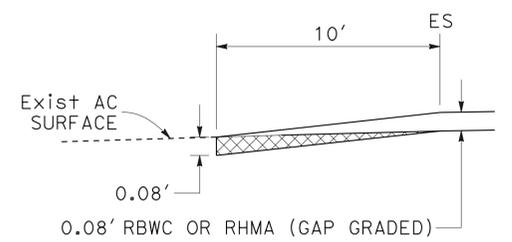
TYPICAL TAPER AT MBGR

Ker 46
 PM 0.0
 PM 6.5
 PM 20.3
 PM 20.7
 PM 20.8



TYPICAL TURN AROUND DETAIL

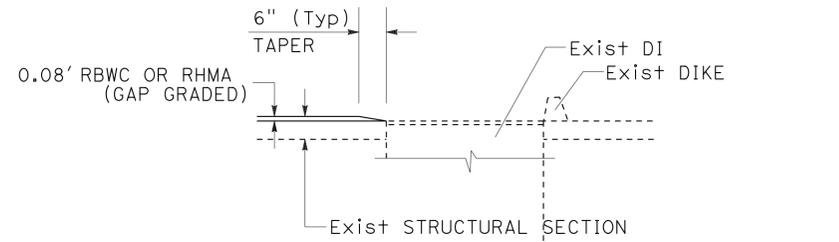
PM 0.5
 PM 3.3
 PM 5.2
 PM 7.3
 PM 27.4
 PM 25.7



SECTION A-A

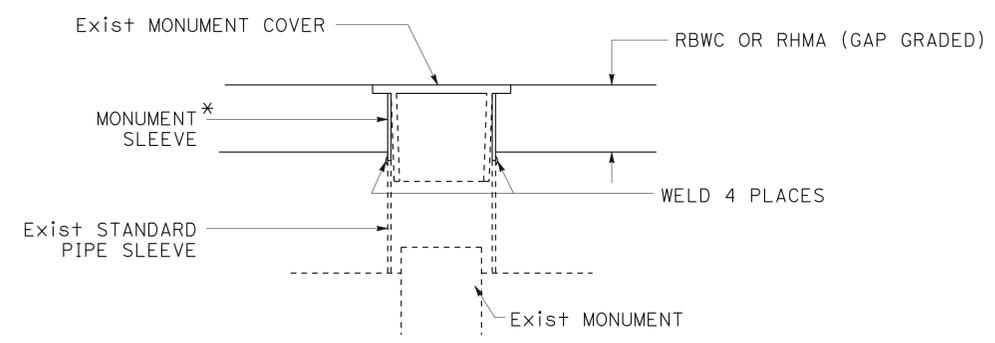
TYPICAL TAPER AT ROAD APPROACH

Ker 46
 PM 7.3



SECTION A-A

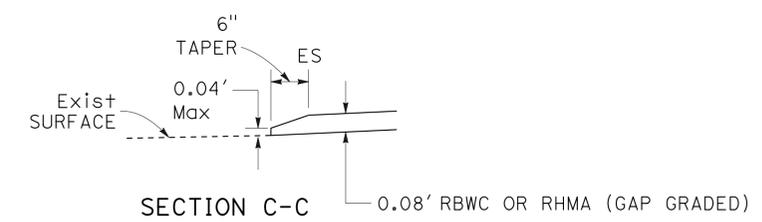
TYPICAL TAPER AT DRAINAGE INLET (WITH CURB OR DIKE)



ADJUST MONUMENT COVER

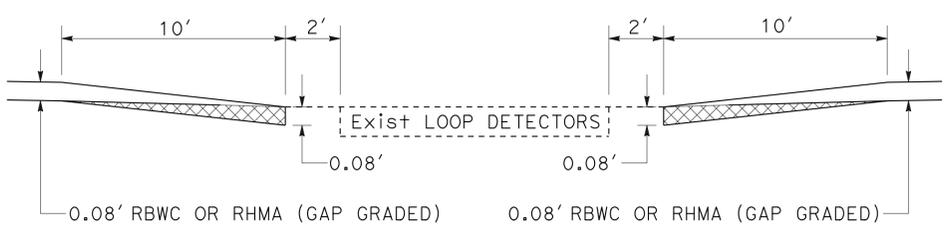
*HEIGHT OF MONUMENT SLEEVE TO BE DETERMINED AFTER PLACING RHMA

Ker 46
 PM 5.1
 PM 19.7
 PM 20.6
 PM 21.1
 PM 26.7
 PM 27.0



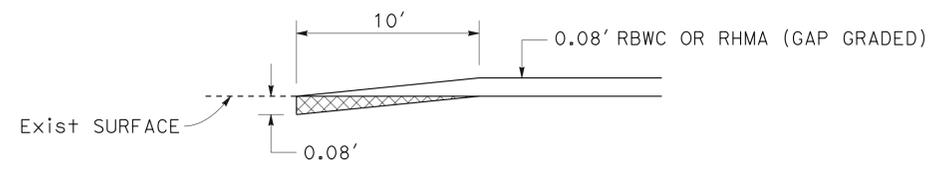
SECTION C-C

TYPICAL DRIVEWAY DETAIL



TYPICAL TAPER AT LOOP DETECTORS

Ker 46
 PM 6.4
 PM 7.0
 PM 20.7



TYPICAL LONGITUDINAL PAVEMENT TAPER

Ker 46
 PM 0.0
 PM 7.3
 PM 19.3
 PM 20.5
 PM 20.6
 PM 27.0

CONSTRUCTION DETAILS

NO SCALE

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
PAVEMENT PRESERVATION
 FUNCTIONAL SUPERVISOR: RENE SANCHEZ
 CALCULATED/DESIGNED BY: MARYAM RASTEGAR
 CHECKED BY: TRINIDAD ANGUIANO
 REVISED BY: MARYAM RASTEGAR
 DATE REVISED: 02-11-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	46	0.0/7.3, 19.3/27.0	4	8

02-11-13
REGISTERED CIVIL ENGINEER DATE

02-11-13
PLANS APPROVAL DATE

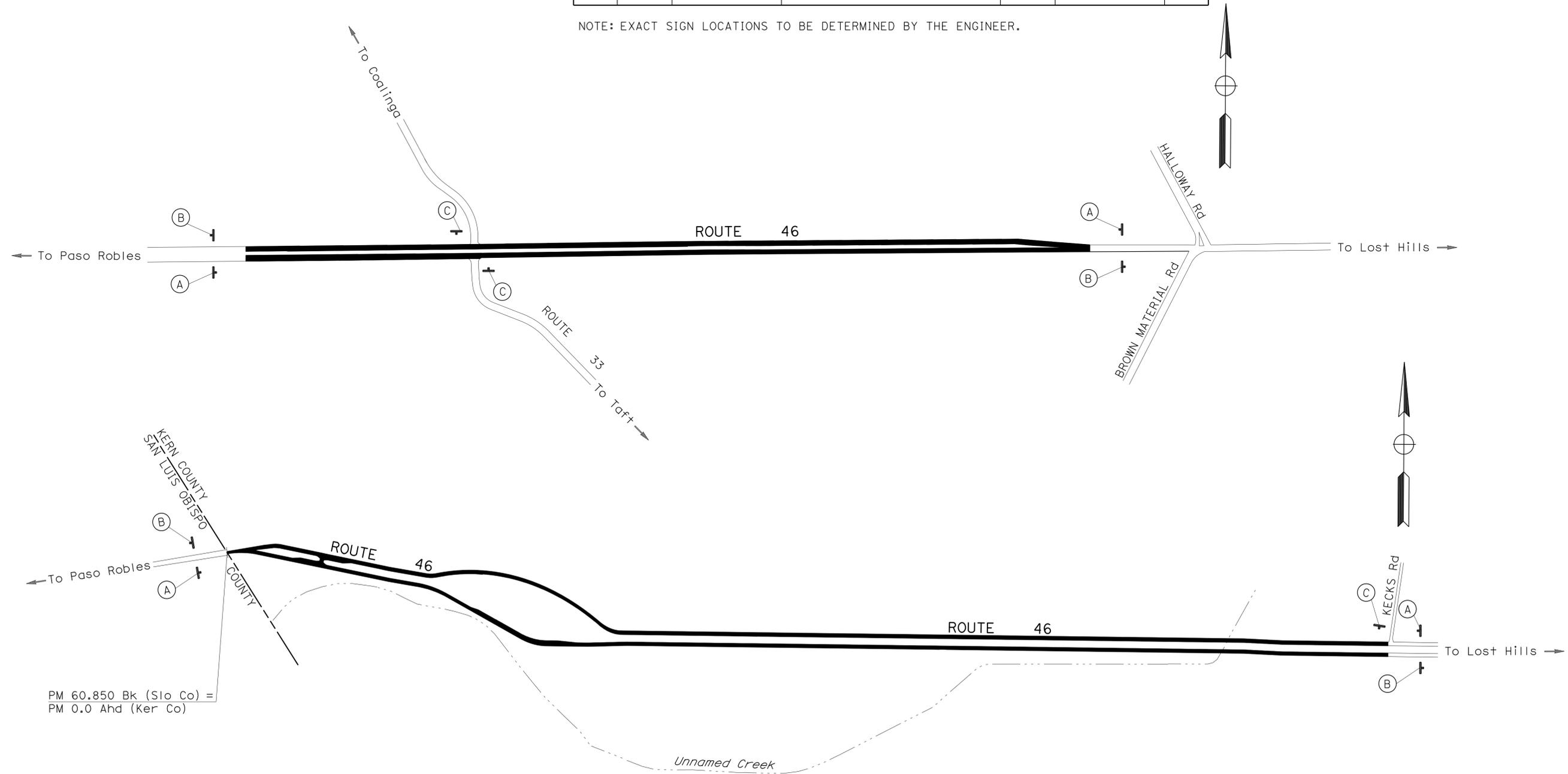
REGISTERED PROFESSIONAL ENGINEER
MARYAM RASTEGAR
No. 65550
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

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.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST	POST SIZE	No. OF SIGNS
(A)	W20-1	48" x 48"	ROAD WORK AHEAD	1	4" x 6"	4
(B)	G20-2	48" x 24"	END ROAD WORK	1	4" x 6"	4
(C)	W20-1	36" x 36"	ROAD WORK AHEAD	1	4" x 6"	3

NOTE: EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.



PM 60.850 Bk (Slo Co) =
PM 0.0 Ahd (Ker Co)

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS
CS-1
NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
PAVEMENT PRESERVATION
FUNCTIONAL SUPERVISOR: RENE SANCHEZ
CALCULATED/DESIGNED BY: TRINIDAD ANGUIANO
CHECKED BY: MARYAM RASTEGAR
REVISOR: MARYAM RASTEGAR
DATE: 02-11-13

LAST REVISION DATE PLOTTED => 13-FEB-2013
02-11-13 TIME PLOTTED => 21:48

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	46	0.0/7.3, 19.3/27.0	5	8

02-11-13
 REGISTERED CIVIL ENGINEER DATE
 02-11-13
 PLANS APPROVAL DATE

MARYAM RASTEGAR
 No. 65550
 Exp. 9-30-13
 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.

ROADWAY QUANTITIES

LOCATIONS	COLD PLANE AC PAVEMENT	RUBBERIZED HMA (GAP GRADED)	TACK COAT	RUBBERIZED HMA (BONDED WEARING COURSE -GAP GRADED)	ASPHALTIC EMULSION MEMBRANE (BONDED WEARING COURSE)	SHOULDER RUMBLE STRIP (HMA,GROUND-IN INDENTATIONS)	SHOULDER BACKING	ADJUST MONUMENT COVER
	SQYD	TON	TON	TON	TON	STA	TON	EA
ROUTE 46 PM 0.0 TO PM 7.3	307		39	18,156	207	1542	809	1
ROUTE 46 PM 19.3 TO PM 27.0	411	18,751	111			1593	854	5
TOTAL	718	18,751	150	18,156	207	3135	1663	6

PAVEMENT DELINEATION QUANTITIES

LOCATIONS	DETAIL No.	PAVEMENT MARKER (RETROREFLECTIVE)			THERMOPLASTIC TRAFFIC STRIPE					THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE PAVEMENT MARKER (N)
		TYPE D TWO-WAY YELLOW	TYPE G ONE-WAY CLEAR	TYPE H ONE-WAY YELLOW	4" (BROKEN 36-12)	4" (BROKEN 12-3)	4" WHITE	4" YELLOW	8" WHITE	DESCRIPTION	SQFT	SQFT	LF	EA
		EA	EA	EA	LF	LF	LF	LF	LF					
ROUTE 46 PM 0.0 TO PM 7.3	12		1512		72,595					18-TYPE III ARROW	756	756		1512
	22	46					1098			38-TYPE V ARROW	1254	1254		46
	25			1566				75,156			3-TYPE VI ARROW	126	126	1566
	27B						77,088			LIMIT LINE	85	85		
	29	34						1563			2-STOP	44	44	34
	38		168						4041				8082	168
ROUTE 46 PM 19.3 TO PM 27.0	12		1611		77,352					26-TYPE III ARROW	1092	1092		1611
	22	92					2218			54-TYPE V ARROW	1782	1782		92
	25			1591			76,381			3-TYPE VI ARROW	126	126		1591
	27B						80,784			2-SIGNAL AHEAD	126	126		
	27C					528				LIMIT LINE	182	182		
	29	118						5639						118
38		364						8745				17,490	364	
SUB TOTAL		290	3655	3157	149,947	528	157,872	162,055	12,786		5573	5573	25,572	
TOTAL			7092		149,947	528	319,927		12,786		5573	5573	25,572	

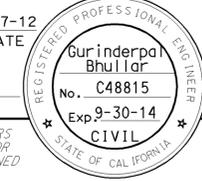
(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

SUMMARY OF QUANTITIES

Q-1

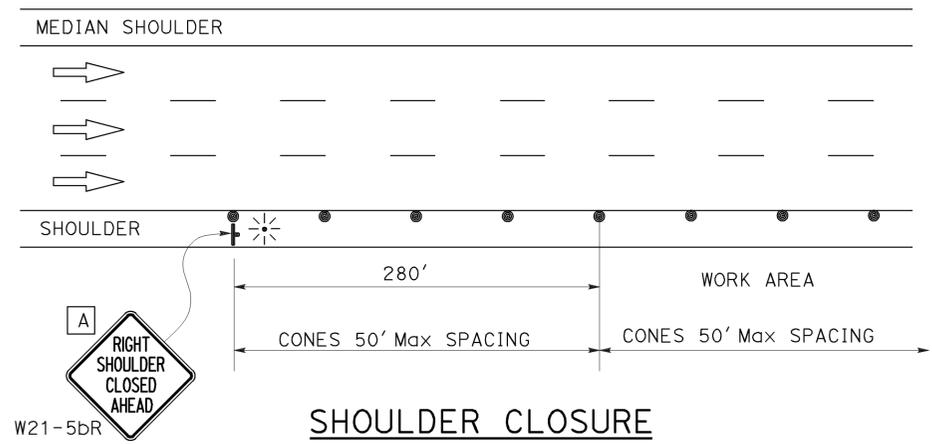
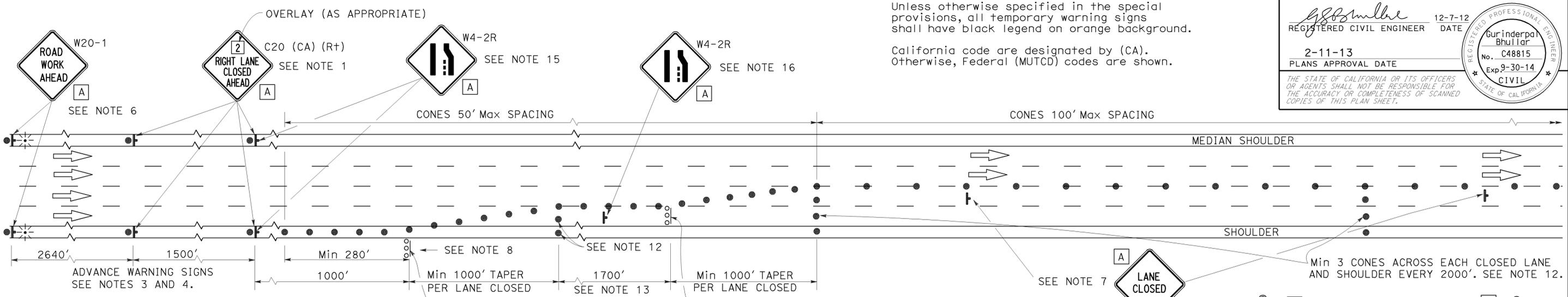
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 PAVEMENT PRESERVATION
 FUNCTIONAL SUPERVISOR: RENE SANCHEZ
 TRINIDAD ANGUIANO
 MARYAM RASTEGAR
 REVISOR: MARYAM RASTEGAR
 DATE: 02-11-13

LAST REVISION DATE PLOTTED => 13-FEB-2013
 02-11-13 TIME PLOTTED => 21:48

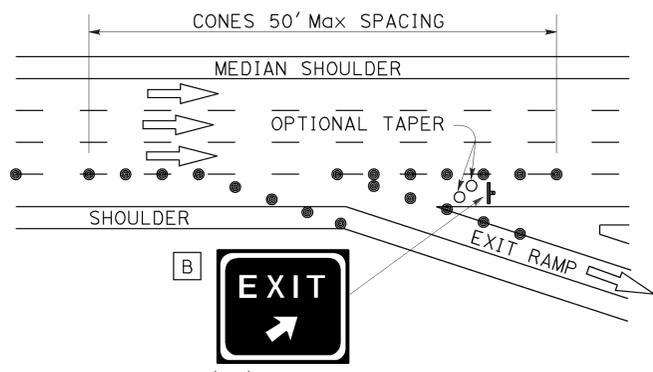
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	46	0.0/7.3, 19.3/27.0	6	8
			12-7-12 DATE 2-11-13 PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

NOTES:

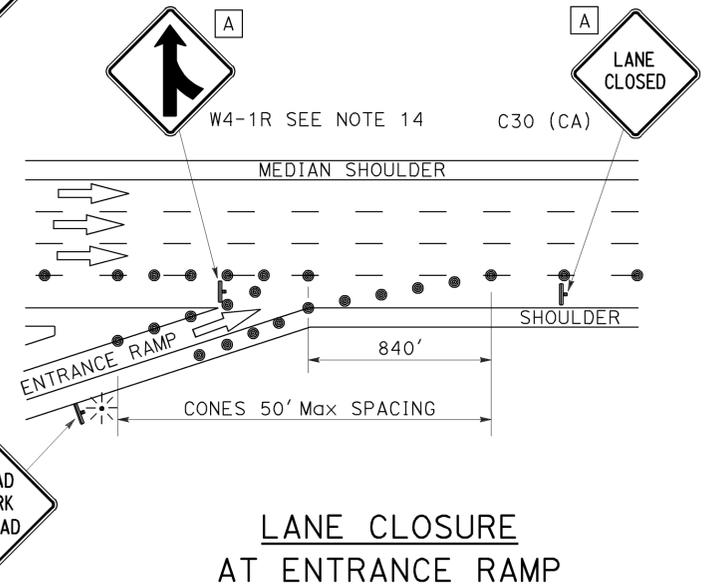
Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.
 California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



LANE CLOSURE



LANE CLOSURE AT EXIT RAMP



LANE CLOSURE AT ENTRANCE RAMP

NOTES:

- Median lane closures shall conform to the details for outside lane closures except that C20 (CA) (Lt) 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 C14 (CA) "END ROAD WORK" sign, 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.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____ MILES", use a C20 (CA) 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 first flashing arrow sign shall be Type I. All others may be either Type I or Type II.
- 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 1700' tangent shown along lane lines shall be used between the 1000' tapers required for each closed traffic lane.
- Unless otherwise specified in the special provisions, the G84 (CA) and W4-1 signs shall be used as shown.
- When specified in the special provisions, a W4-2 "LANE ENDS" symbol sign is to be used in place of the C20 (CA) "RIGHT LANE CLOSED AHEAD" sign.
- The W4-2 "LANE ENDS" symbol sign shown at this location is to be used where the W4-2 sign is used as advance warning as described in Note 15.

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 54" x 48"

LEGEND

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

TCS-1

REVISOR BY
DATE

CALCULATED/DESIGNED BY
CHECKED BY

FUNCTIONAL SUPERVISOR

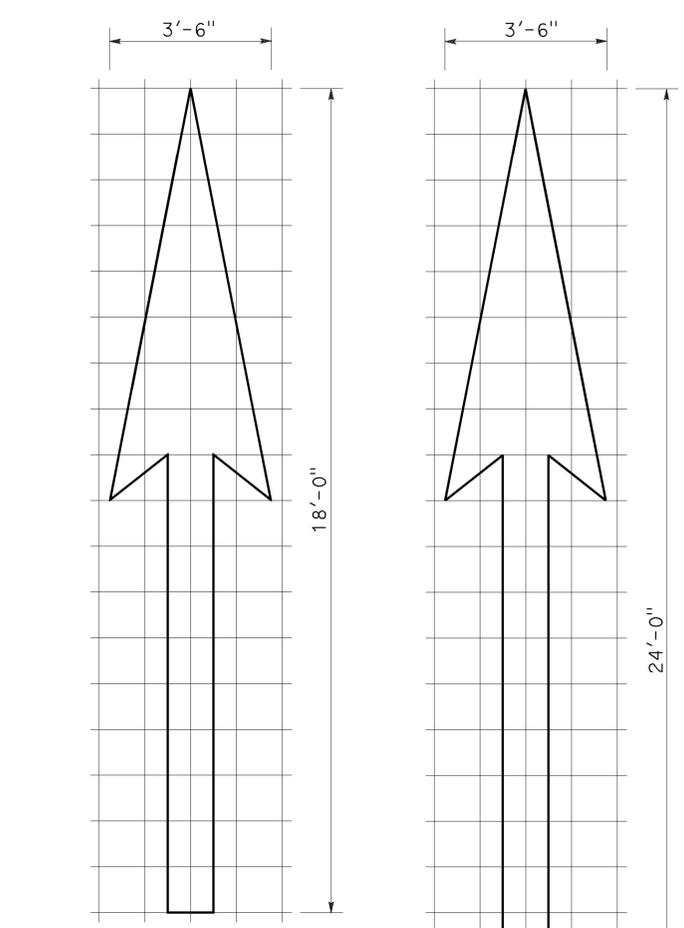
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	46	0.0/7.3, 19.3/27.0	7	8

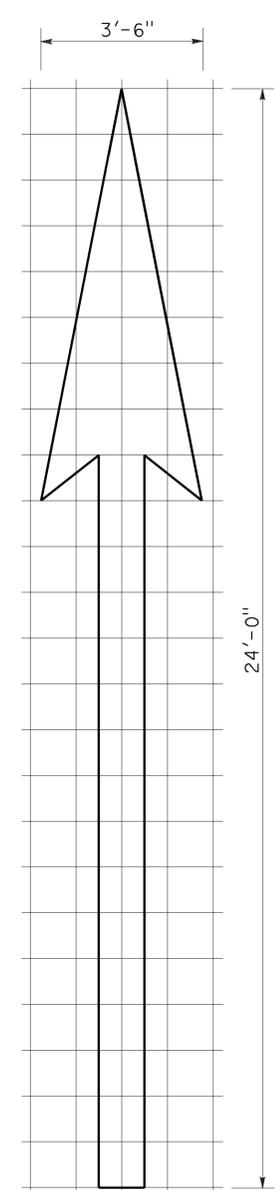
Roberto L. McLaughlin
 REGISTERED CIVIL ENGINEER
 April 20, 2012
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 Roberto L. McLaughlin
 No. C40375
 Exp. 3-31-13
 CIVIL
 STATE OF CALIFORNIA

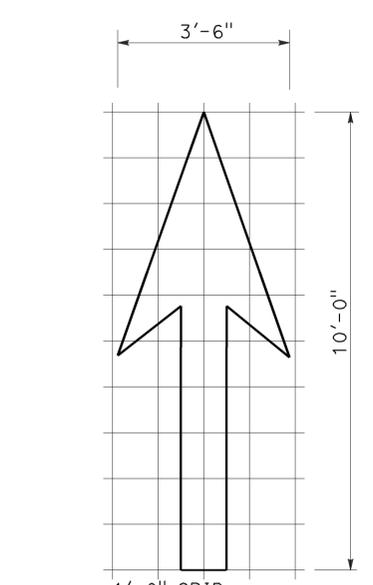
TO ACCOMPANY PLANS DATED 2-11-13



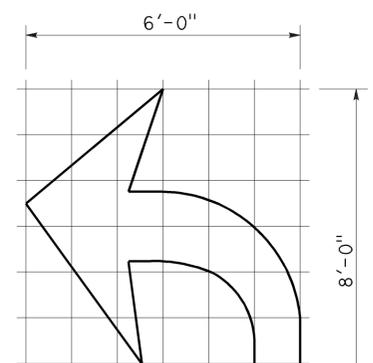
TYPE I 18'-0" ARROW
A=25 ft²



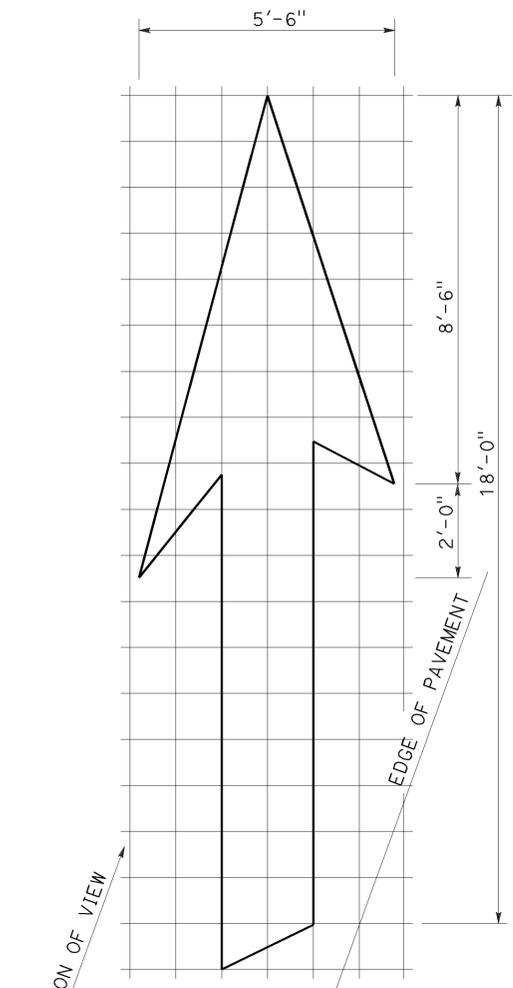
TYPE I 24'-0" ARROW
A=31 ft²



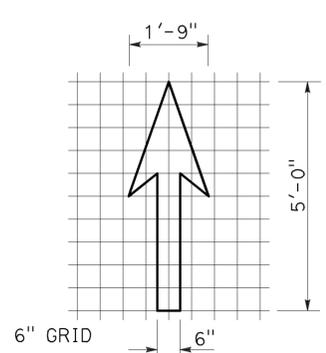
TYPE I 10'-0" ARROW
A=14 ft²



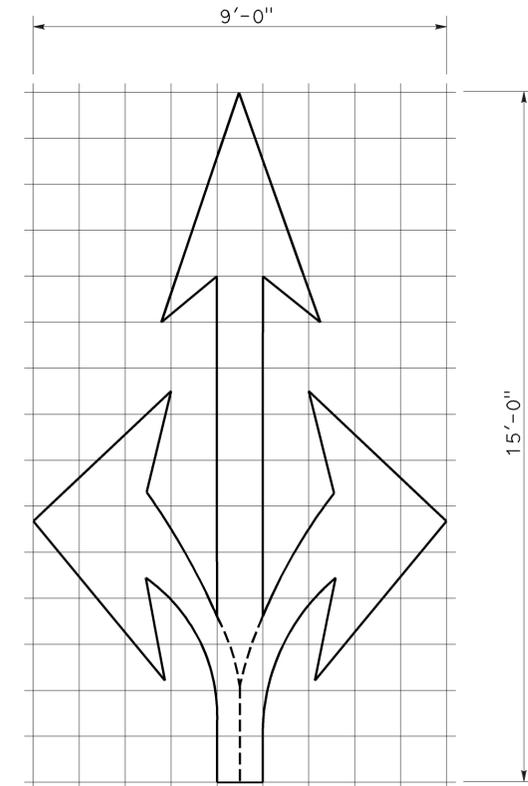
TYPE IV (L) ARROW
A=15 ft²
(For Type IV (R) arrow, use mirror image)



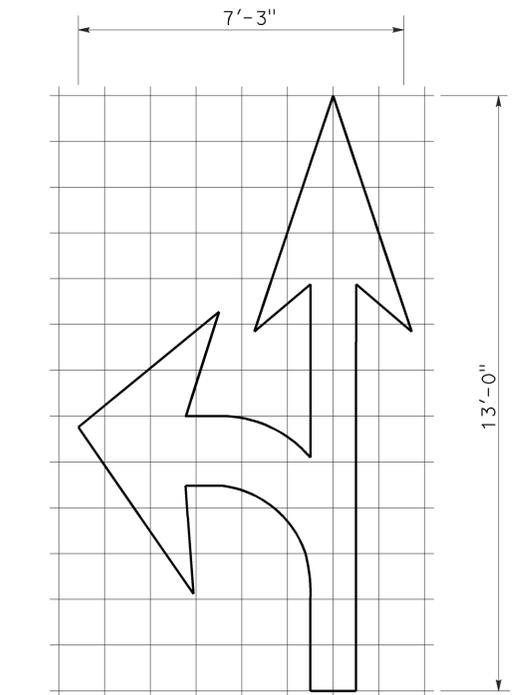
TYPE VI ARROW
A=42 ft²
Right lane drop arrow
(For left lane, use mirror image)



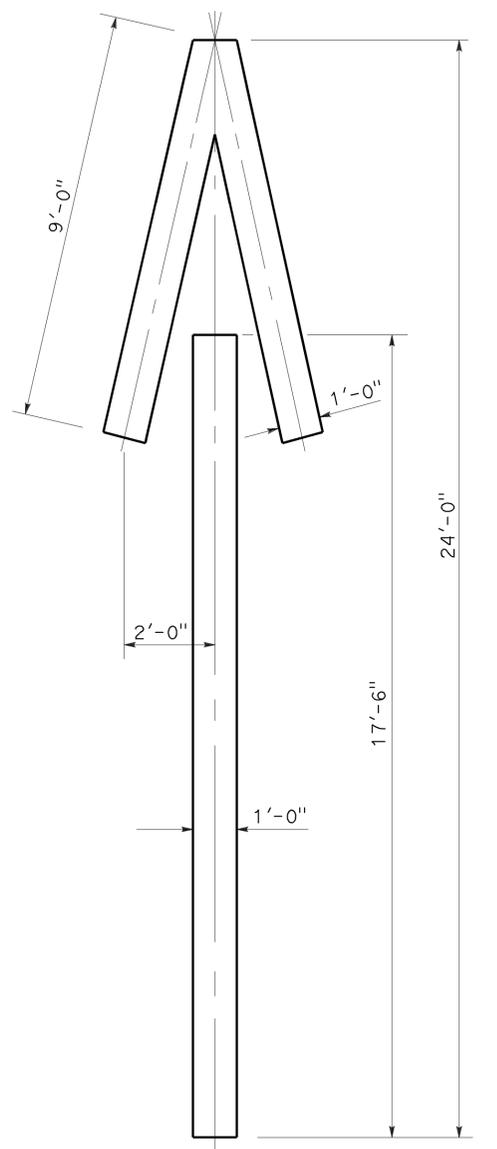
BIKE LANE ARROW
A=3.5 ft²



TYPE VIII ARROW
A=36 ft²



TYPE VII (L) ARROW
A=27 ft²
(For Type VII (R) arrow, use mirror image)



TYPE V ARROW
A=33 ft²

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

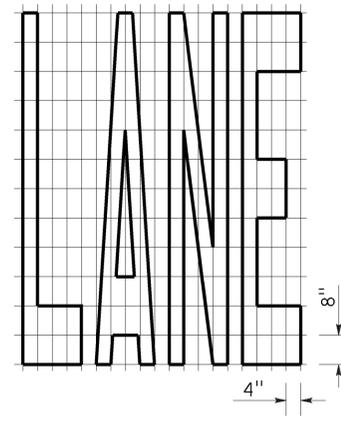
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
ARROWS**
NO SCALE

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

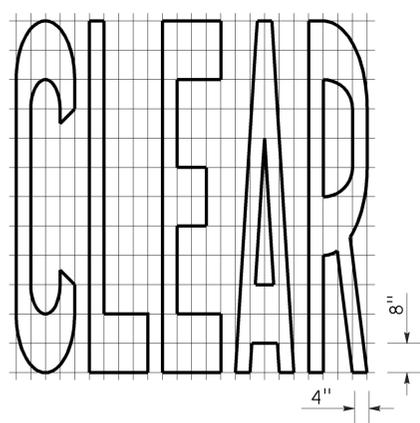
REVISED STANDARD PLAN RSP A24A

2010 REVISED STANDARD PLAN RSP A24A

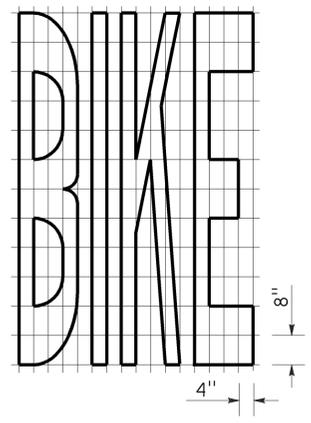
TO ACCOMPANY PLANS DATED 2-11-13



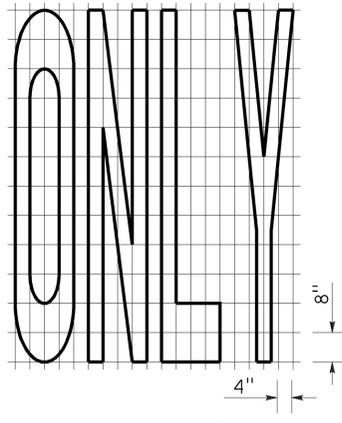
A=24 ft²



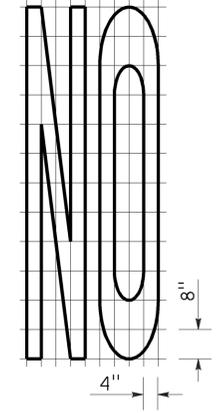
A=27 ft²



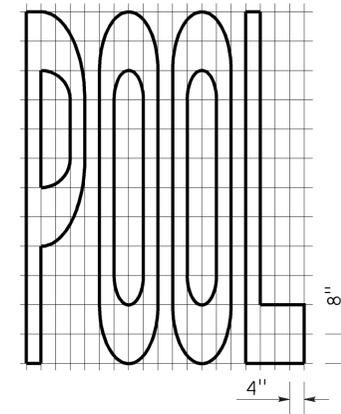
A=21 ft²



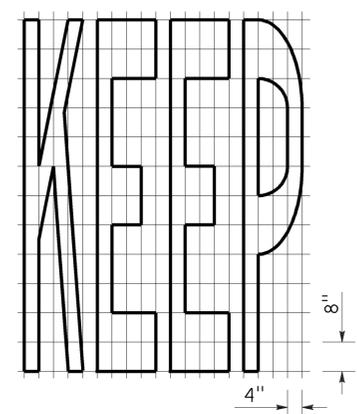
A=22 ft²



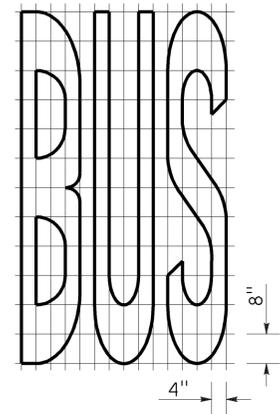
A=14 ft²



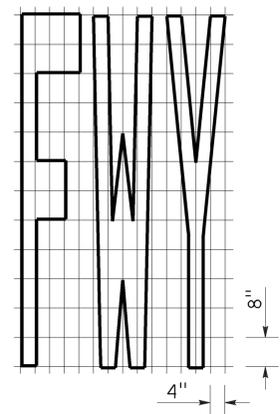
A=23 ft²



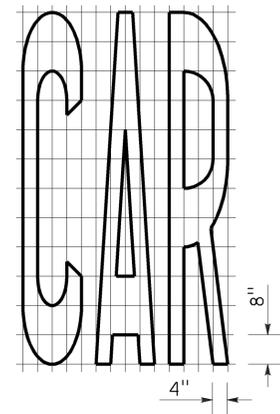
A=24 ft²



A=20 ft²

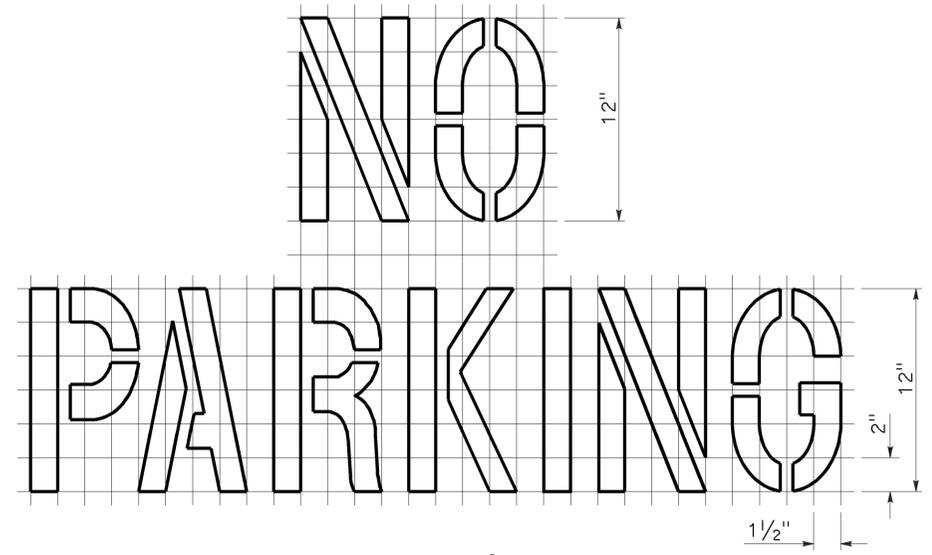


A=16 ft²

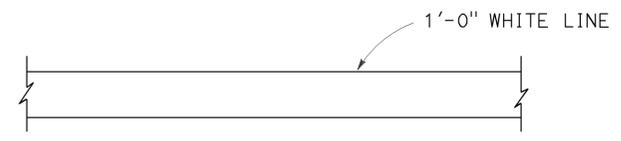


A=17 ft²

WORD MARKINGS			
ITEM	ft ²	ITEM	ft ²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



A=2 ft²
See Notes 6 and 7



DIRECTION OF TRAVEL
YIELD LINE

NOTES:

1. If a message consists of more than one word, it should read "UP", i.e., the first word should be nearest the driver.
2. The space between words should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
5. The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
6. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKINGS
WORDS, LIMIT AND YIELD LINES**

NO SCALE

RSP A24E DATED JULY 20, 2012 SUPERSEDES STANDARD PLAN A24E
DATED MAY 20, 2011 - PAGE 17 OF THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP A24E