

POST MILES SHEET TOTAL
PROJECT NO. SHEE

PROJECT NO. SHEE

PROJECT NO. SHEE

PROJECT NO. SHEET

PROJECT NO.

TO ACCOMPANY PLANS DATED

WORD MARKINGS							
ITEM	ft2	ITEM	ft ²				
LANE	24	NO	14				
POOL	23	BIKE	21				
CAR	17	BUS	20				
CLEAR	27	ONLY	22				
KEED	24	FWY	16				

- 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.
- 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 no a contrasting background and located so that it is visible to traffic enforcement officials.

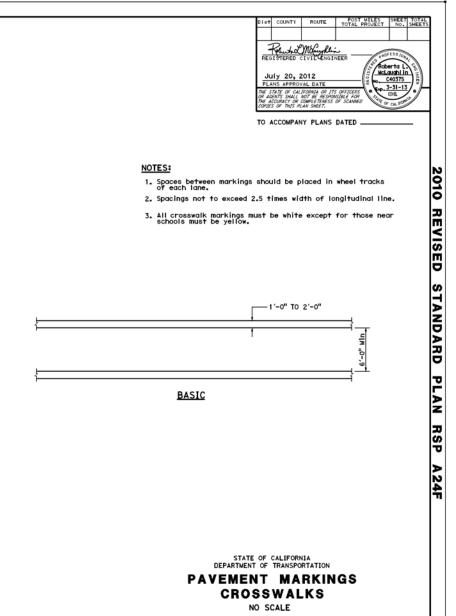
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

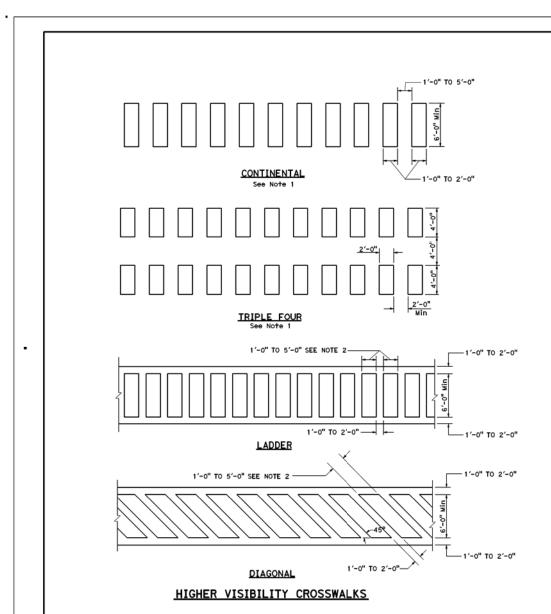
PAVEMENT MARKINGS Words, Limit and Yield Lines

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.

REVISED STANDARD PLAN RSP A24E



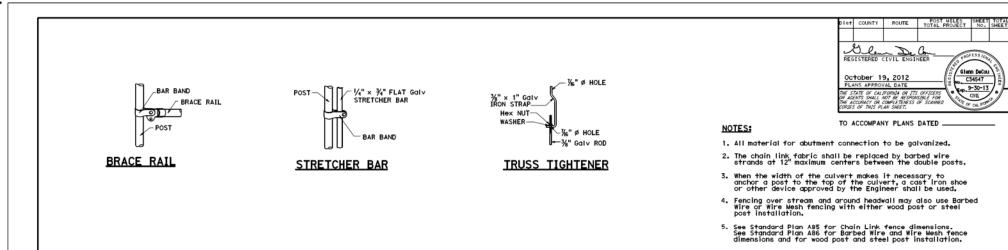


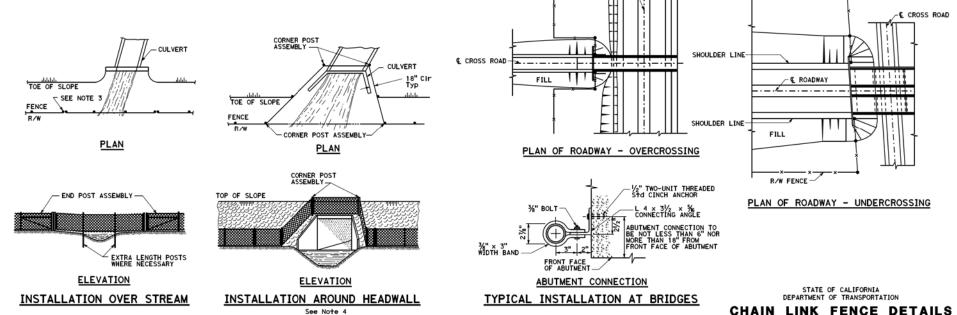
RSP A24F DATED JULY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24F

Glenn DeCou

9-30-13





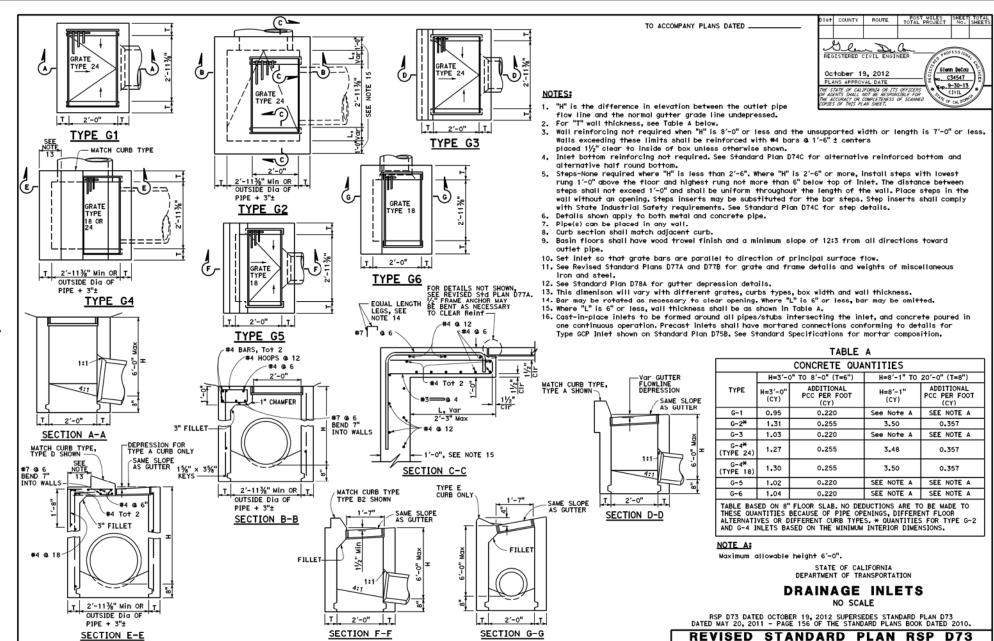
CHAIN LINK FENCE DETAILS

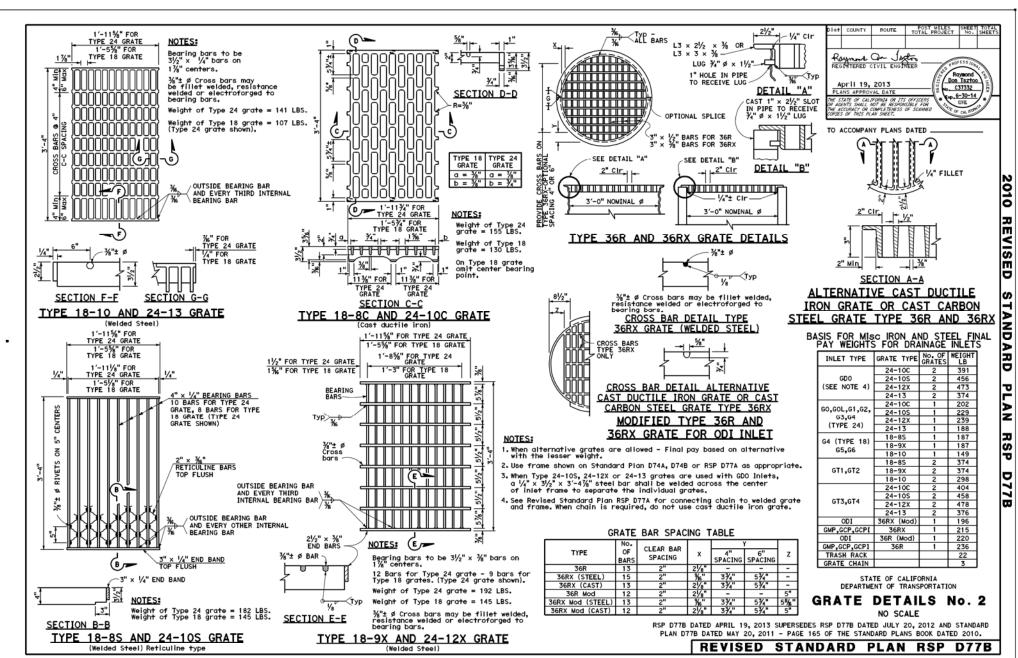
NO SCALE

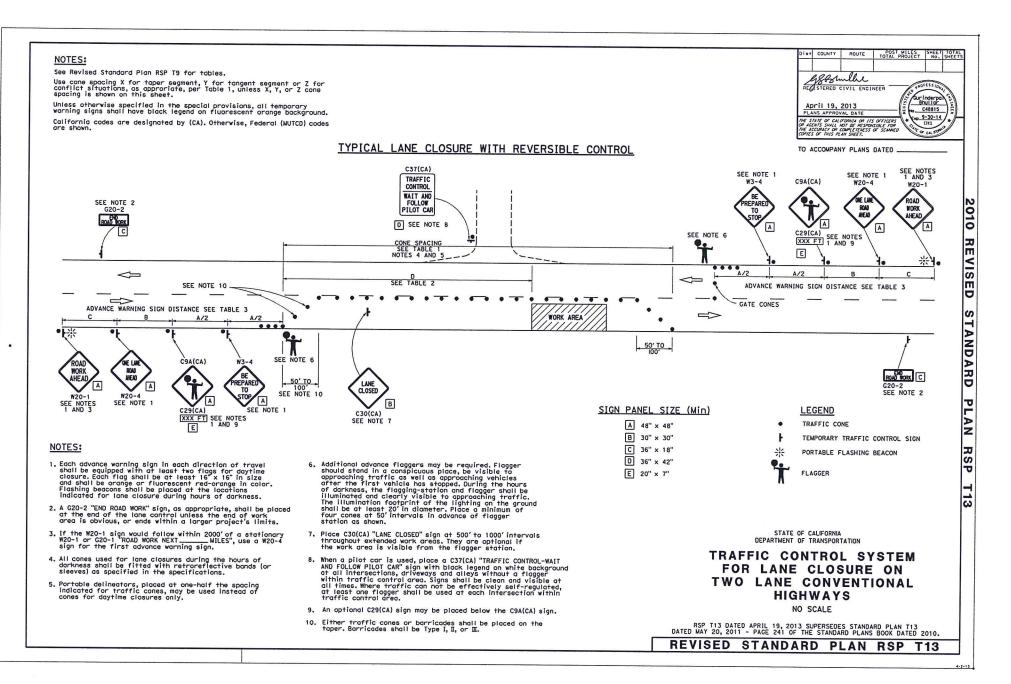
RSP A85B DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A85B DATED MAY 20, 2011 - PAGE 114 OF THE STANDARD PLANS BOOK DATED 2010.

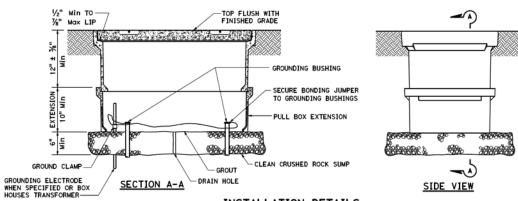
REVISED STANDARD PLAN RSP A85B

-R/W FENCE

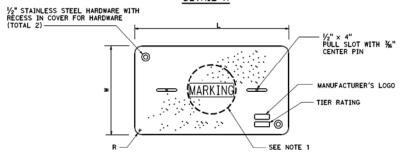


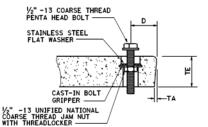




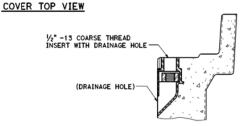


INSTALLATION DETAILS DETAIL A









TYPICAL THREADED INSERT
OR SIMILAR

	DIMENSION TABLE											
- [PULL BOX				COVER						
	PULL BOX	MINIMUM DEPTH BOX	MINIMUM DEPTH EXTENSION	MAXIMUM WEIGHT	L	w	R	TE	TA	D	MAXIMUM WEIGHT	
	No. 31/2	12"	N/A	40 lb	1'- 3%"	101/8"	1 3/8"	2"	1/8"	1¾"	30 lb	
	No. 5	12"	10"	55 lb	1'- 111/4"	1' - 134"	1%"	2"	1/8"	1¾"	60 lb	
	No. 6	12"	10"	70 lb	2' - 61/2"	1' - 51/2"	1%"	2"	1/s"	2"	85 Ib	



TO ACCOMPANY PLANS DATED

NOTES ON PULL BOXES:

- Pull box covers must be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 v or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;
 - A) No. 31/2 pull box.
 - 1) "SIGNAL" Traffic signal circuits with or without street or sign lighting circuits.
 - 2) "ST LIGHTING" Street or sign lighting circuits where voltage is under 600 v.
 - B) No. 5, 6, 9 or 9A pull box.
 - "TRAFFIC SIGNAL" Traffic signal circuits with or without street or sign lighting circuits.
 - "STREET LIGHTING" Street or sign lighting circuits where voltage is under 600 V.
 - "STREET LIGHTING-HIGH VOLTAGE" Street or sign lighting circuits where voltage is above 600 V.
 - 4) "IRRIGATION" Circuits to irrigation controller 120 V or more.
 - 5) "RAMP METER" Ramp meter circuits.
 - 6) "COUNT STATION" Count or speed monitor circuits.
 - 7) "COMMUNICATIONS" Communication circuits.
 - 8) "TOS COMMUNICATIONS" TOS communication line.
 - 9) "TOS POWER" TOS power.
 - 10) "TDC POWER" Telephone demarcation cabinet power.
 - 11) "CCTV" Closed circuit television circuits.
 - 12) "TMS" Traffic monitoring station circuits.
 - 13) "CMS" Changeable message sign circuits.
 - 14) "HAR" Highway advisory radio circuits.
- 2. The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions (L and W) plus V_8 " or greater.
- 3. Covers and boxes must be interchangeable with California Standard. When interchanged with a standard, the top surfaces must be flush within \(\frac{1}{8} \). Top outside radius of covers and pull boxes must have a \(\frac{1}{8} \) radius.
- Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (PULL BOX)

NO SCALE

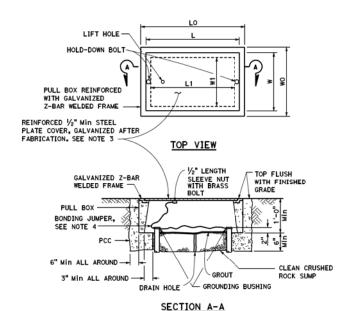
RSP ES-8A DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-8A

S

œ

A



No. 31/2(T), No. 5(T) AND No. 6(T) TRAFFIC PULL BOX

	DIMENSION TABLE										
	BOX COVER										
PULL BOX	MINIMUM * THICKNESS	MINIMUM DEPTH BOX AND EXTENSION	wo	LO	L1	W1	L **	w ××	R	EDGE THICKNESS	EDGE TAPE
No. $3\frac{1}{2}(T)$	11/2"	1'-0"	1'-5"± 1"	1'-8%"±	1'-21/2"±	10%"± 1"	1'-8"±	1′-1¾"±		1/2"	NONE
No. 5(T)	1¾"	1'-0"	1'-11½"± 1"	2'-51/2"±	1'-7"±	1'-1"± 1"	2'-3"±	1'-4"±		1/2"	NONE
No. 6(T)	2"	1'-0"	2'-6"± 1"	2'-111/2"±	1'-11½"±	1'-5"± 1"	2'-9"±	1'-8"±	0	1/2"	NONE

* EXCLUDING CONDUIT WEB ** TOP DIMENSION

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS					
4	Ellen T	s. one R	al,							
RZG	REGISTERED ELECTRICAL ENGINEER OF NOTES SIONAL									
1.,	January 20, 2012									
	ANS APPROV			E14512 6-30-12	-J:5L					
OR AG	ENTS SHALL	[FORN]4 OR]TS NOT BE RESPON COMPLETENESS : AN SHEET,	etare con	OF CAL BOS						

TO ACCOMPANY PLANS DATED .

NOTES ON PULL BOXES:

- Traffic pull box shall be provided with steel cover and special concrete footing. Steel cover shall have embossed non-skid pattern.
- Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.
- 3. Pull box covers must be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" Sprinkler control circuits, 50 v or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service.
 - A) No. $3\frac{1}{2}(T)$ pull box.
 - 1) "SIGNAL" Traffic signal circuits with or without street or sign lighting circuits.
 - "ST LIGHTING" Street or sign lighting circuits where voltage is under 600 V.
 - B) No. 5(T) or 6(T) pull box.
 - "TRAFFIC SIGNAL" Traffic signal circuits with or without street or sign lighting circuits.
 - "STREET LIGHTING" Street or sign lighting circuits where voltage is under 600 V.
 - "STREET LIGHTING-HIGH VOLTAGE" Street or sign lighting circuits where voltage is above 600 V.
 - 4) "IRRIGATION" Circuits to irrigation controller 120 V or more.
 - 5) "RAMP METER" Ramp meter circuits.
 - 6) "COUNT STATION" Count or speed monitor circuits.
 - 7) "COMMUNICATION" Communication circuits.
 - 8) "TOS COMMUNICATIONS" TOS communications line.
 - 9) "TOS POWER" TOS power.
 - 10) "TDC POWER" Telephone demarcation cabinet power.
 - 11) "CCTV" Closed circuit television circuits.
 - 12) "TMS" Traffic monitoring station circuits.
 - 13) "CMS" Changeable message sign circuits.
 - 14) "HAR" Highway advisory radio circuits.
- 4. Bonding jumper for metal covers shall be 3' long, minimum.
- The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions except the length and width dimensions shall be \(\frac{1}{2} \) greater.
- Covers and boxes must be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces must be flush within ½":

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

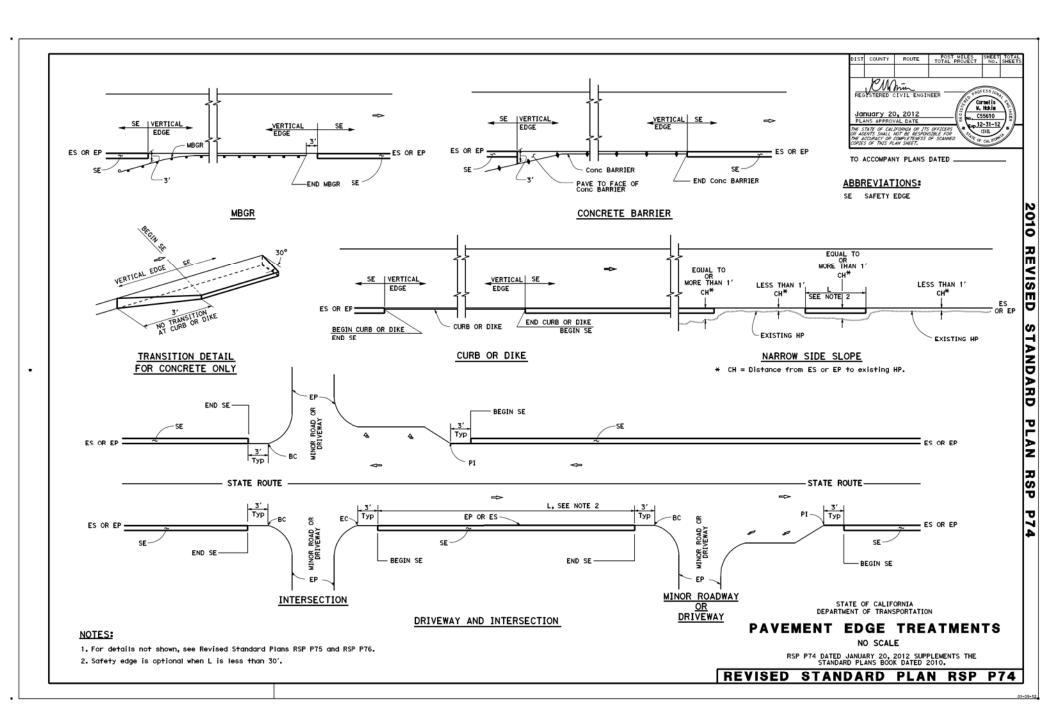
ELECTRICAL SYSTEMS (TRAFFIC RATED PULL BOX)

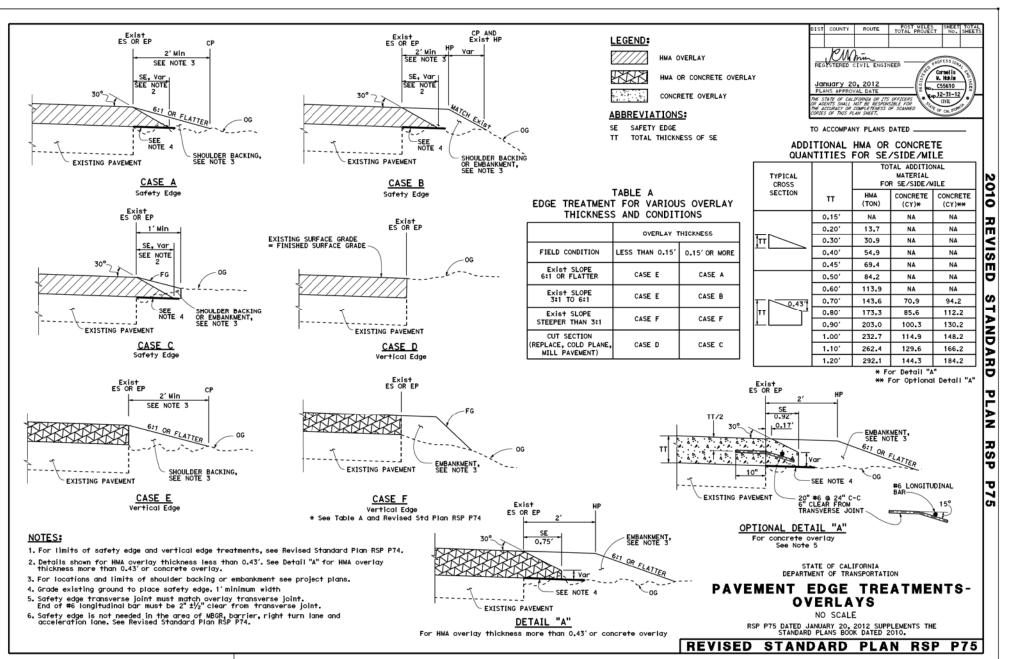
NO SCALE

RSP ES-8B DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-8B

21-05-12







POST MILES TOTAL PROJECT

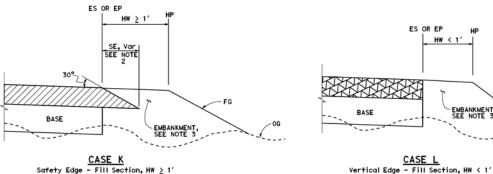
C55610

<u> 12-31-12</u>

REGISTERED CIVIL ENGINEER

TO ACCOMPANY PLANS DATED

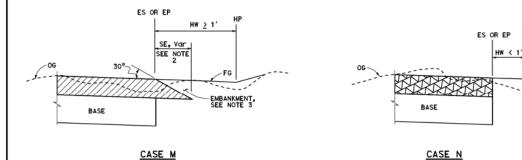
January 20, 2012



EMBANKMENT, SEE NOTE 3

Vertical Edge - Cut Section, HW < 1'

FILL SECTION



CUT SECTION

NOTES:

- 1. For limits of safety edge and vertical edge treatments, see Revised Standard Plan RSP P74
- Details shown for HMA pavement thickness less than 0.43'. See Detail "B" for HMA pavement thickness more than 0.43' or concrete pavement.
- 3. For locations and limits of embankment see project plans.
- 4. Safety edge transverse joint must match pavement transverse joint.
 End of #6 longitudinal bar must be 2" ±½" clear from transverse joint.

Safety Edge - Cut Section, HW ≥ 1'

5. Safety edge is not needed in the area of MBGR, barrier, right turn lane and acceleration lane. See Revised Standard Plan RSP P74.

LEGEND:

HMA PAVEMENT



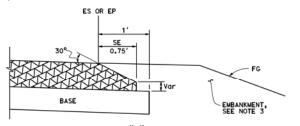
HMA OR CONCRETE PAVEMENT



CONCRETE PAVEMENT

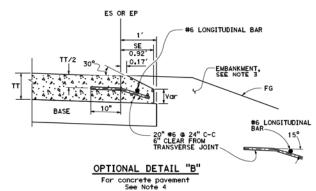
ABBREVIATIONS:

- SE SAFETY EDGE
- TOTAL THICKNESS OF SE
- HINGE WIDTH, DISTANCE FROM ES OR EP TO HP



DETAIL "B"

For HMA pavement thickness more than 0.43' or concrete pavement



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE TREATMENTS-**NEW CONSTRUCTION**

NO SCALE

RSP P76 DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P76

2010 REVISED STANDARD

PLAN

RSP

ES-10A

ROUTE POST MILES SHEET TOTAL PROJECT NO. SHEETS

Aeffery G. McRoe

No. E14512 Exp. 6-30-14

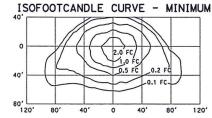
Dist COUNTY

July 20, 2012

Affly B. Miffal ANGINEER

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

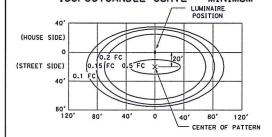
TO ACCOMPANY PLANS DATED



TYPE III MEDIUM CUTOFF

Cutoff Luminaire 34' Mounting Height Lamp operated at 22,000 lm 200-W high pressure sodium lamp ANSI Designation 566

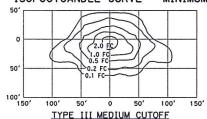
ISOFOOTCANDLE CURVE - MINIMUM



LED LUMINAIRE ROADWAY 1

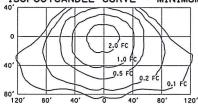
200-W HPS Equivalent at 34' Mounting Height

ISOFOOTCANDLE CURVE - MINIMUM



Cutoff Luminaire 30' Mounting Height Lamp operated at 16,000 lm 150-W high pressure sodium lamp ANSI Designation S55

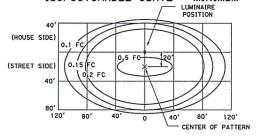
ISOFOOTCANDLE CURVE - MINIMUM



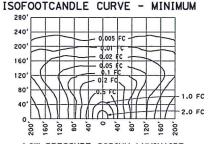
TYPE III MEDIUM CUTOFF

Cutoff Luminaire
40' Mounting Height
Lamp operated at 37,000 Im
310-W high pressure sodium lamp
ANSI Designation S67

ISOFOOTCANDLE CURVE - MINIMUM

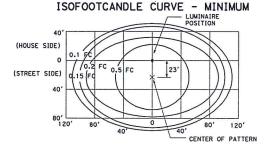


LED LUMINAIRE ROADWAY 2
310-W HPS Equivalent at 40' Mounting Height



LOW PRESSURE SODIUM LUMINAIRE

40' Mounting Height
Lamp operated at 33,000 Im
180-W low pressure sodium lamp



LED LUMINAIRE ROADWAY 4
400-W HPS Equivalent at 40' Mounting Height

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (ISOFOOTCANDLE DIAGRAMS)

NO SCALE

RSP ES-10A DATED JULY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-10A

2-16-12