

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3-6	CONSTRUCTION DETAILS
7	CONSTRUCTION AREA SIGNS
8	PAVEMENT DELINEATION DETAILS
9	SUMMARY OF QUANTITIES
10-11	INDUCTIVE LOOP DETECTOR (REPLACEMENT)
12-20	NEW AND REVISED STANDARD PLANS

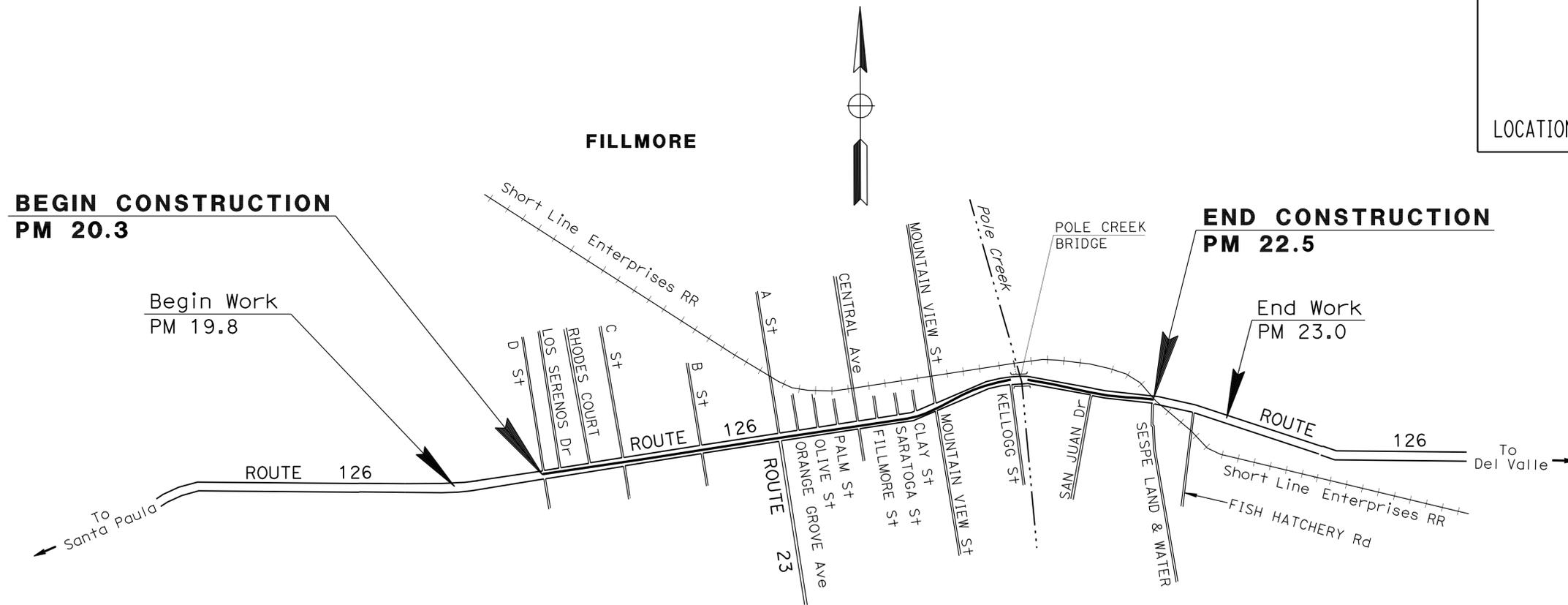
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN VENTURA COUNTY IN FILLMORE
FROM D STREET TO SESPE LAND AND WATER

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	126	20.3/22.5	1	20

LOCATION MAP



NO SCALE

PROJECT MANAGER GARY KEVORKIAN	DESIGN ENGINEER HECTOR OBESO
-----------------------------------	---------------------------------

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

PROJECT ENGINEER 8-25-11 DATE
 REGISTERED CIVIL ENGINEER
 REGISTERED PROFESSIONAL ENGINEER
 PAUL CRISPI
 No. C55440
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

January 23, 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.

CONTRACT No.	07-4Y0804
PROJECT ID	0700020232

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	126	20.3/22.5	2	20

Paul G. G...	11-16-11
REGISTERED CIVIL ENGINEER	DATE
1-23-12	
PLANS APPROVAL DATE	

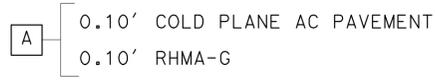
PAUL CRISPI
No. C55440
Exp. 12-31-12
CIVIL

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.

NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. EXISTING DRAINAGE INLETS HAVE NOT BEEN PLOTTED ON THESE PLANS.
4. FOR ACCURATE R/W DATA, CONTACT R/W ENGINEERING AT DISTRICT OFFICE.
5. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
6. OMIT COLD PLANE AND RHMA-G ON PCC PAVEMENT, BRIDGE DECKS, CROSS GUTTER, CURB AND GUTTER, BUS PADS, AND DRAINAGE INLETS.

PROPOSED STRUCTURAL SECTION

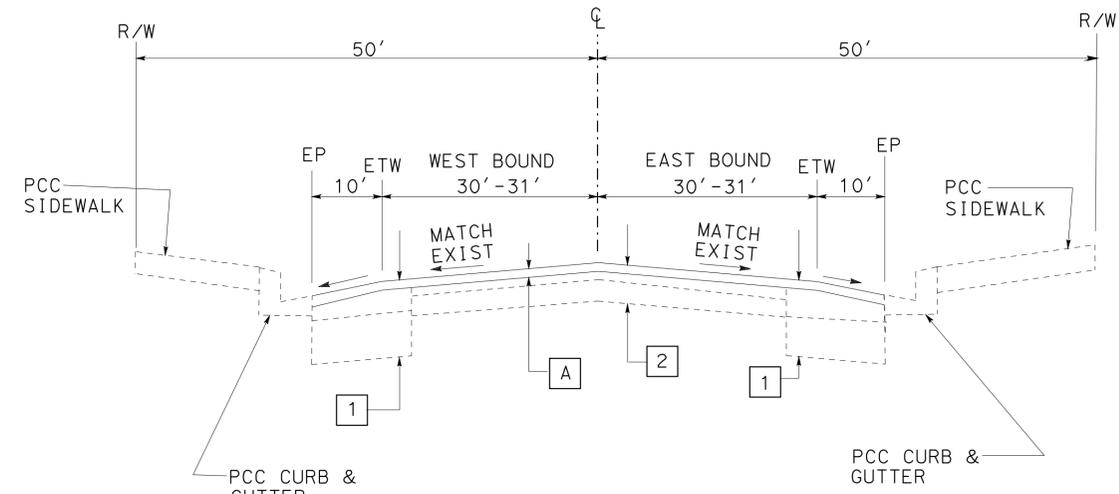


EXISTING STRUCTURAL SECTION

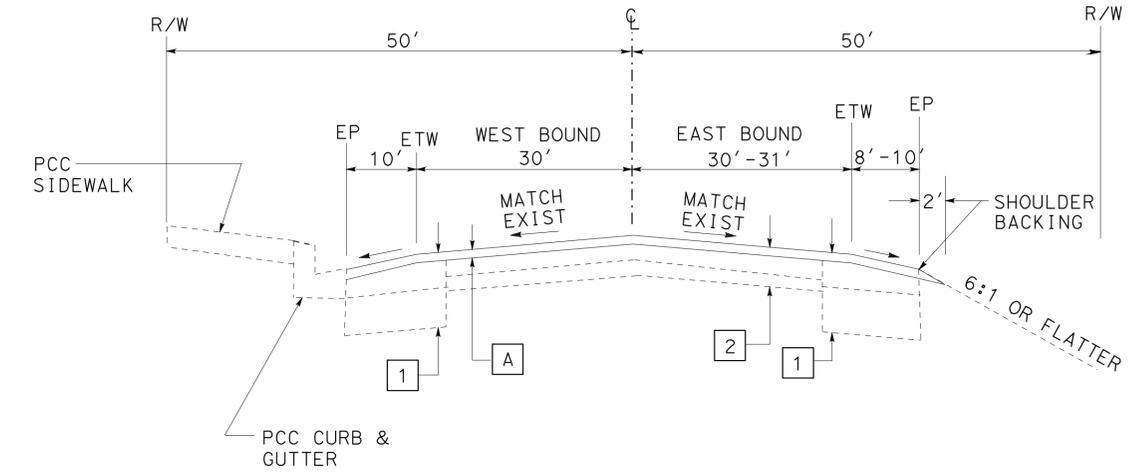


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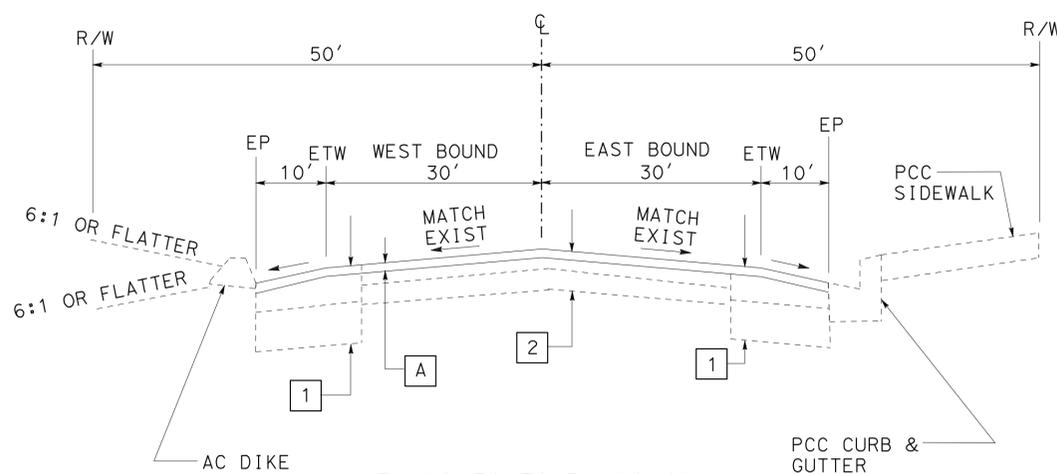
RHMA-G - RUBBERIZED HOT MIX ASPHALT (GAP GRADED)



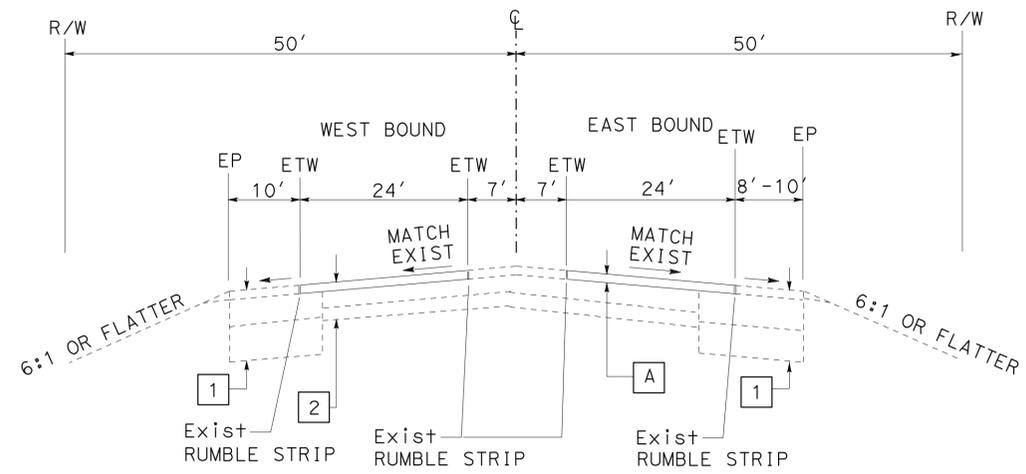
PM 20.59 TO PM 21.48
 PM 21.70 TO PM 21.72
 PM 21.98 TO PM 21.99



PM 20.46 TO PM 20.59



PM 20.30 TO PM 20.46
 PM 21.48 TO PM 21.51
 PM 21.51 TO PM 21.62
 PM 21.62 TO PM 21.72
 PM 21.72 TO PM 22.00



PM 22.00 TO PM 22.50

TYPICAL CROSS SECTIONS

NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE ENGINEERING

REVISOR: BEN SAFYARI, PAUL CRISPI

CALCULATED/DESIGNED BY: HECTOR OBESO

FUNCTIONAL SUPERVISOR: HECTOR OBESO

LAST REVISION: DATE PLOTTED => 06-09-2011
 TIME PLOTTED => 09:20 A.M.

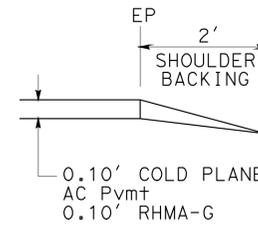
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	126	20.3/22.5	3	20
Paul G. Crispi		8-25-11	REGISTERED CIVIL ENGINEER DATE		
1-23-12		PLANS APPROVAL DATE			
PAUL CRISPI		No. C55440			
12-31-12		Exp. DATE			
CIVIL		STATE OF CALIFORNIA			
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					

LEGEND:

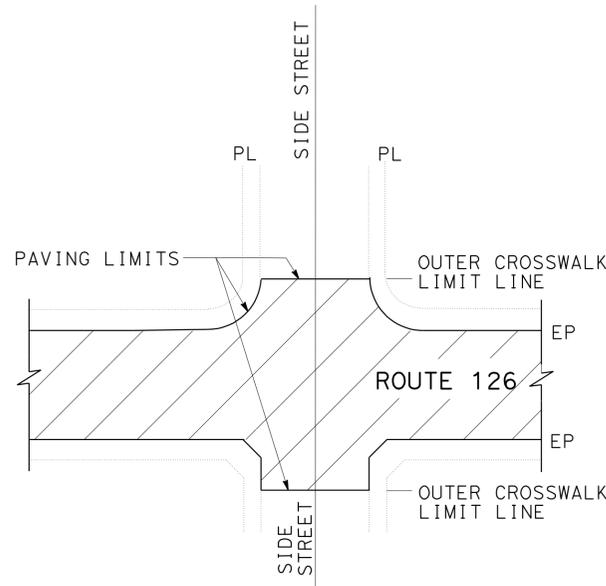


ABBREVIATION:

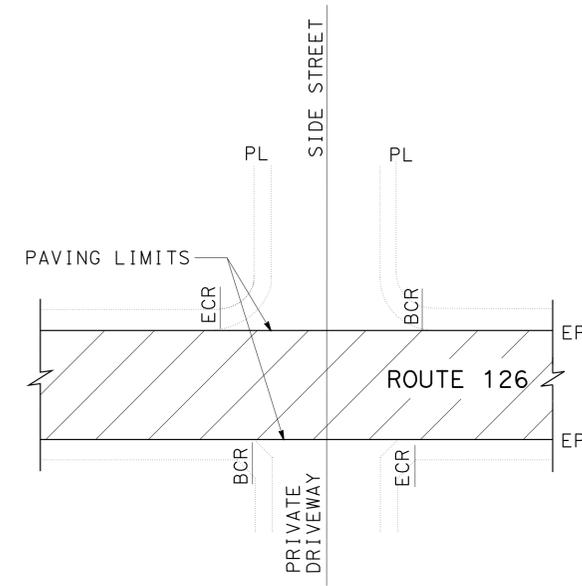
RHMA-G = RUBBERIZED HOT MIX ASPHALT-GAP GRADED



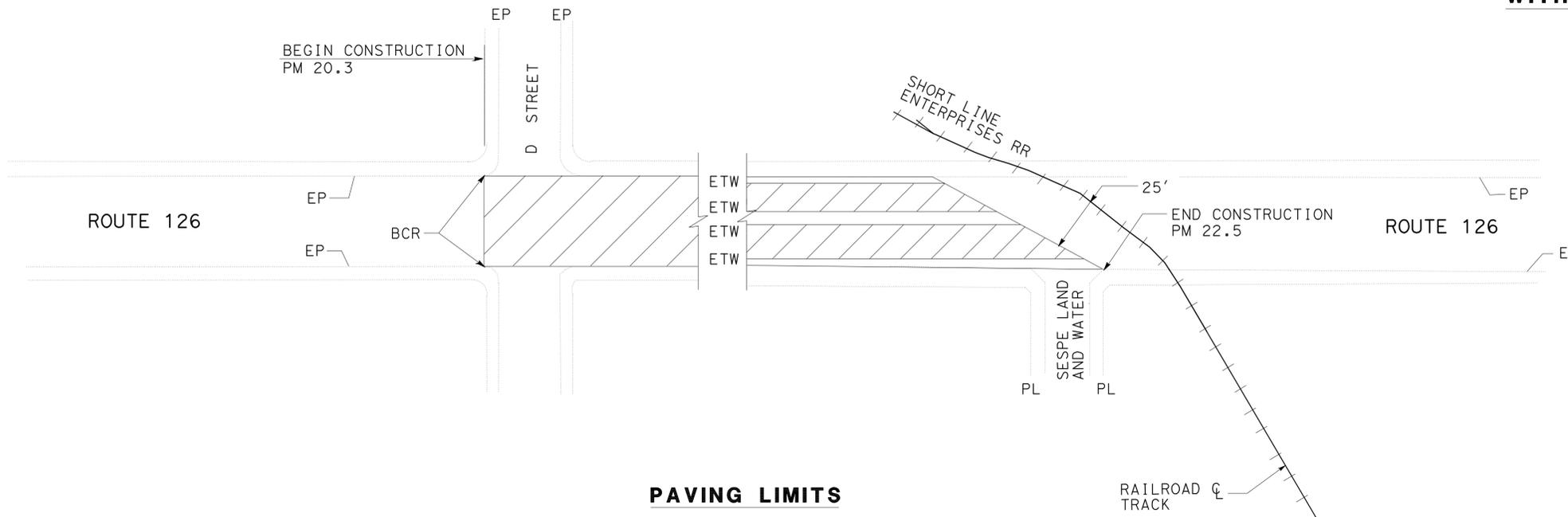
DETAIL C



TYPICAL PAVING LIMITS FOR INTERSECTIONS WITH UPGRADED "LADDER" CROSSWALKS



TYPICAL PAVING LIMITS FOR SIDE STREETS AND DRIVEWAYS WITHOUT CROSSWALKS



PAVING LIMITS

CONSTRUCTION DETAILS

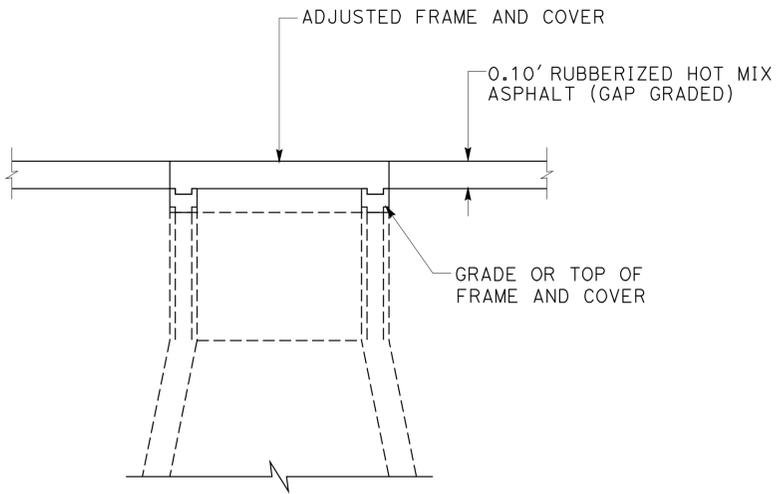
NO SCALE

C-1

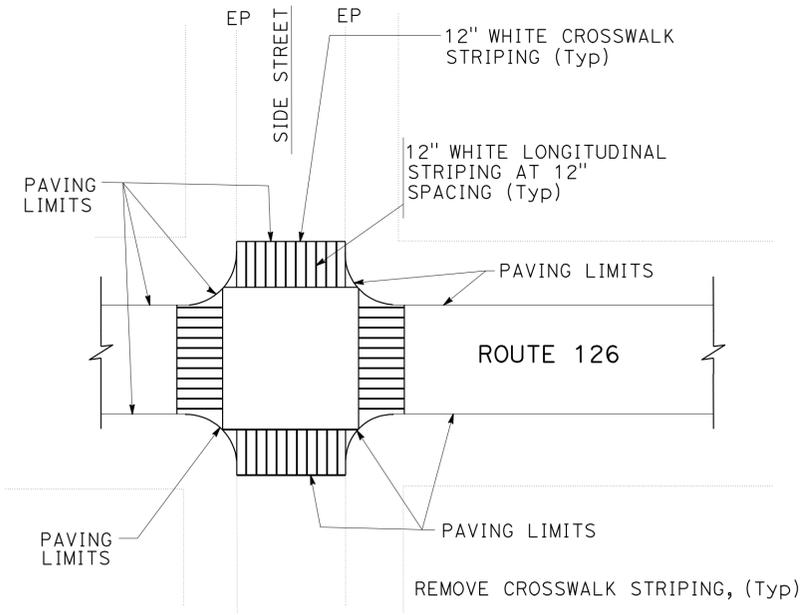
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR
Caltrans MAINTENANCE ENGINEERING	HECTOR OBESO	CHECKED BY	DATE
		BEN SAFYARI	PAUL CRISPI



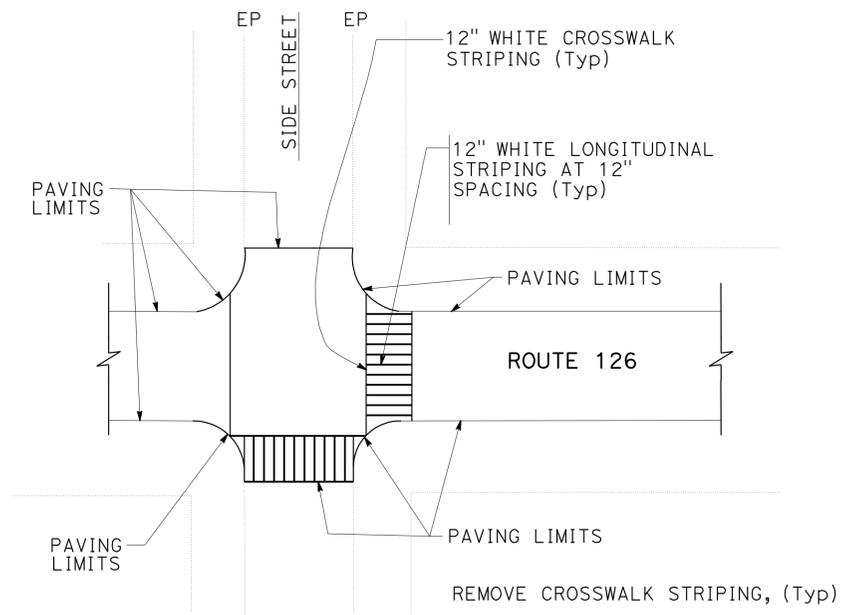
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	126	20.3/22.5	4	20
<i>Paul J. Crispi</i> REGISTERED CIVIL ENGINEER			8-25-11 DATE	PROFESSIONAL ENGINEER PAUL CRISPI No. C55440 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA	
1-23-12 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



ADJUST FRAME AND COVER TO GRADE



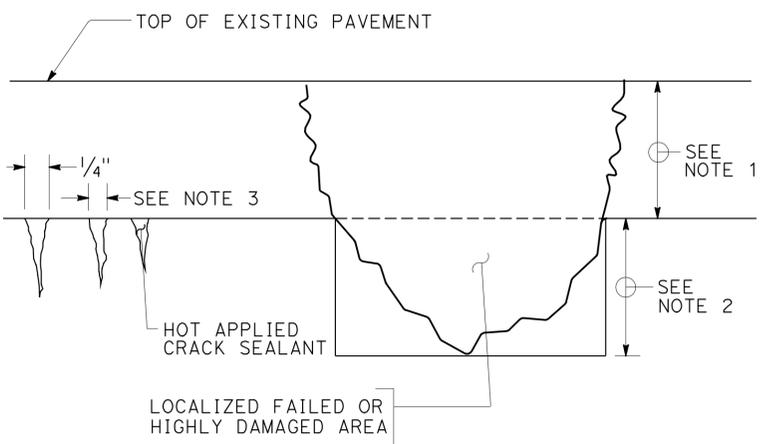
TYPICAL DETAIL FOR CROSSWALK MARKINGS AT "B" St, "A" St/SR 23, AND CENTRAL St



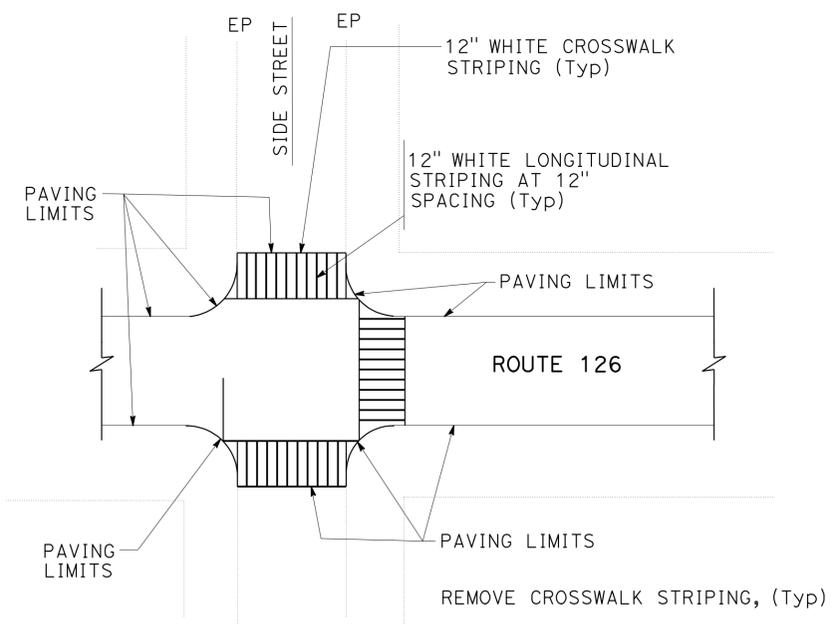
TYPICAL DETAIL FOR CROSSWALK MARKINGS AT OLIVE St

NOTES:

1. COLD PLANE THE PLANNED THICKNESS OF EXISTING AC PAVEMENT.
2. REMOVE LOCALIZED FAILED AREAS AND REPLACE AC SURFACING WITH MINIMUM 0.20' RHMA (GAP GRADED).
3. SEAL CRACKS GREATER THAN 1/4" WITH HOT APPLIED CRACK SEALANT.



SEAL RANDOM CRACKS AND REPAIR FAILED AREAS



TYPICAL DETAIL FOR CROSSWALK MARKINGS AT "C" St

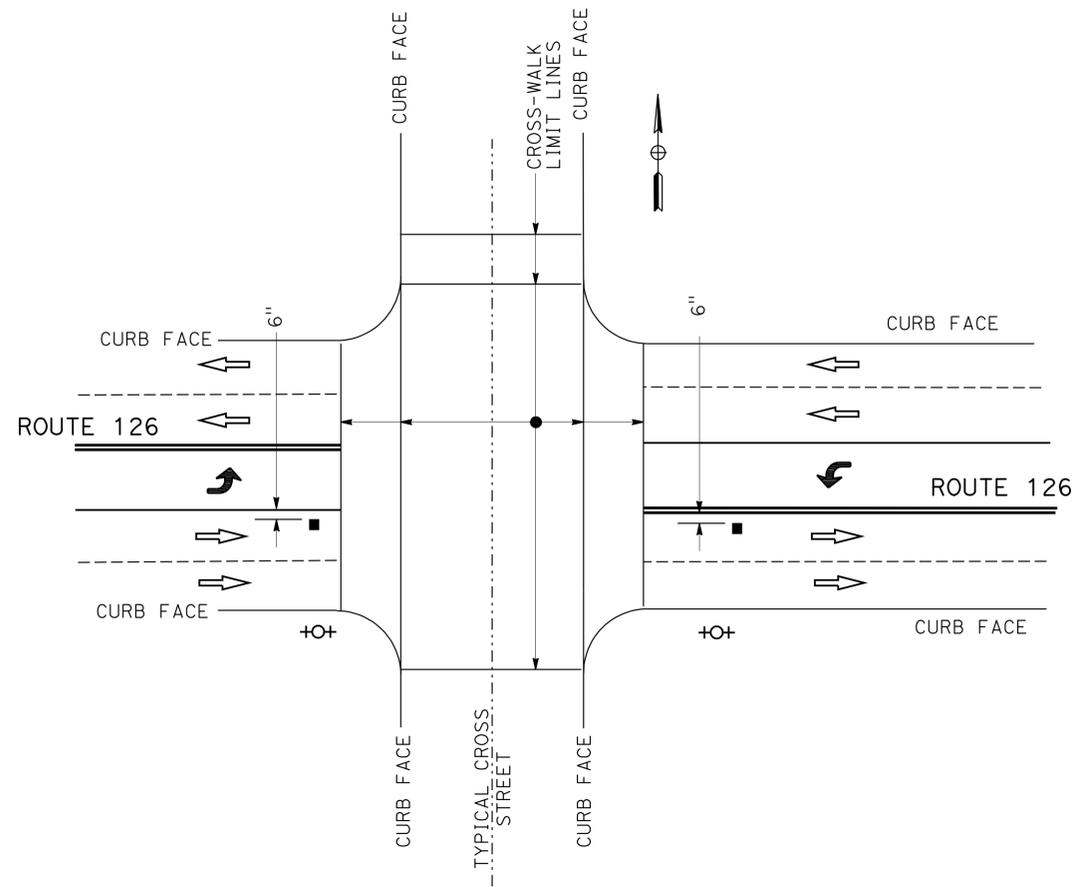
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR: HECTOR OBESO
 CALCULATED/DESIGNED BY: BEN SAFYARI
 CHECKED BY: PAUL CRISPI
 REVISED BY: PAUL CRISPI
 DATE REVISED: 1-23-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	126	20.3/22.5	5	20

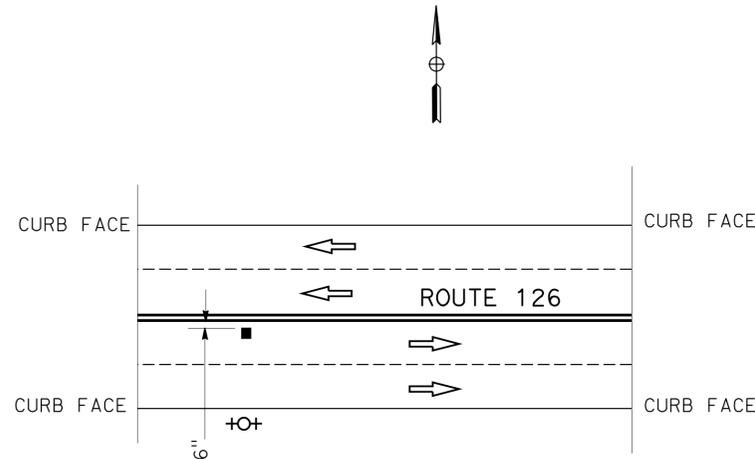
REGISTERED CIVIL ENGINEER	DATE
Paul J. Crispi	8-25-11
PLANS APPROVAL DATE	
	1-23-12

REGISTERED PROFESSIONAL ENGINEER
PAUL CRISPI
No. C55440
Exp. 2-31-12
CIVIL

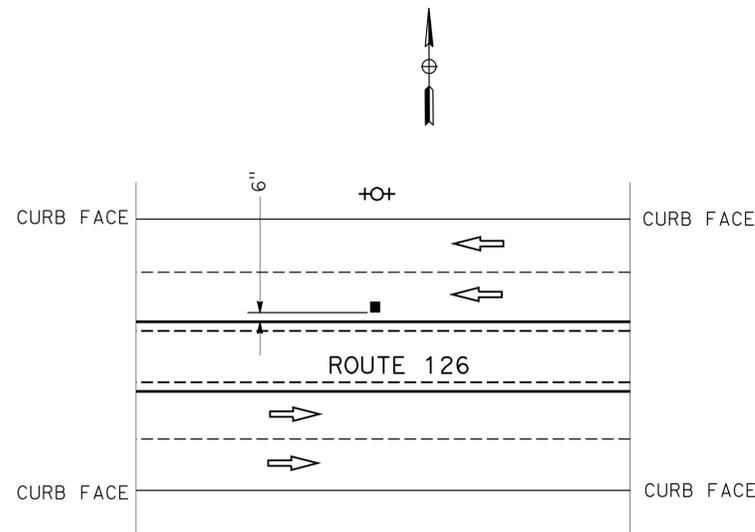
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



**LOCATIONS OF BLUE PAVEMENT MARKER
EASTBOUND
AT "A" STREET INTERSECTION, PM 21.14
AND OLIVE STREET INTERSECTION, PM 21.28**



**LOCATIONS OF BLUE PAVEMENT MARKER
EASTBOUND
BETWEEN "C" AND "B" STREETS, PM 20.65 AND 20.80
BETWEEN "B" AND "A" STREETS, PM 20.95, 21.00,
21.05 AND 21.10
BETWEEN "A" AND CENTRAL STREETS, PM 21.40
BETWEEN CENTRAL STREET AND R/R CROSSING,
PM 21.61 AND 22.00**



**LOCATIONS OF BLUE PAVEMENT MARKER
WESTBOUND
R/R CROSSING TO CENTRAL STREET, PM 21.55
CENTRAL STREET TO "A" STREET, PM 21.34
BETWEEN "A" STREET AND "B" STREET, PM 20.88**

- LEGEND:**
- +⊕ FIRE HYDRANT
 - BLUE RETROREFLECTIVE PAVEMENT MARKER
 - ⇨ DIRECTION OF TRAVEL
 - ↪ LEFT TURN LANE MARKING

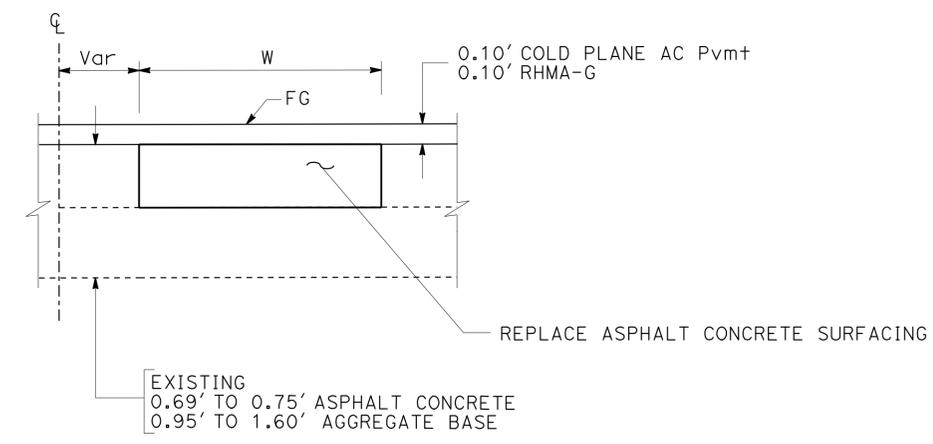
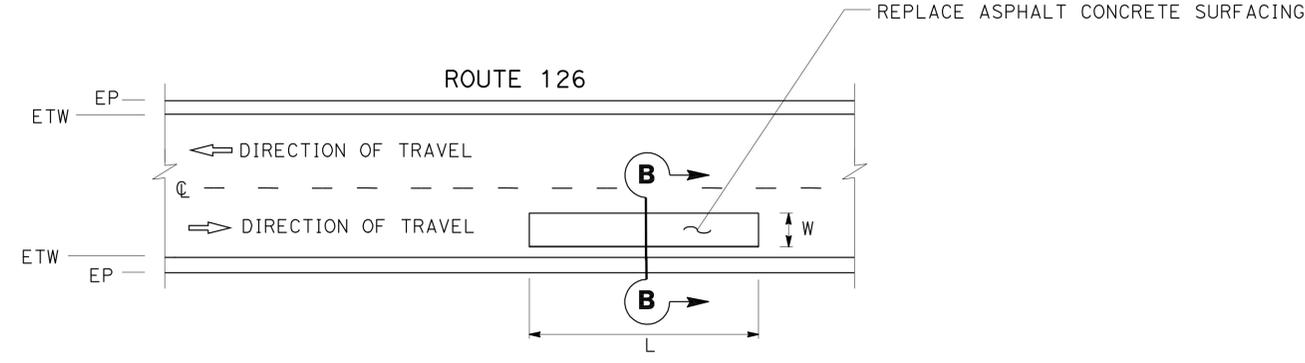
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans MAINTENANCE ENGINEERING	HECTOR OBESO	CHECKED BY	BEN SAFYARI
			PAUL CRISPI
			DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	126	20.3/22.5	6	20

Paul J. Crispi 8-25-11
 REGISTERED CIVIL ENGINEER DATE
 1-23-12
 PLANS APPROVAL DATE
 No. C55440
 Exp. 12-31-12
 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.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	DATE
Caltrans MAINTENANCE ENGINEERING	HECTOR OBESO	CHECKED BY	BEN SAFYARI	
			PAUL CRISPI	



SECTION B-B

TYPICAL REPLACE ASPHALT CONCRETE SURFACING DETAIL

CONSTRUCTION DETAILS

NO SCALE

C-4

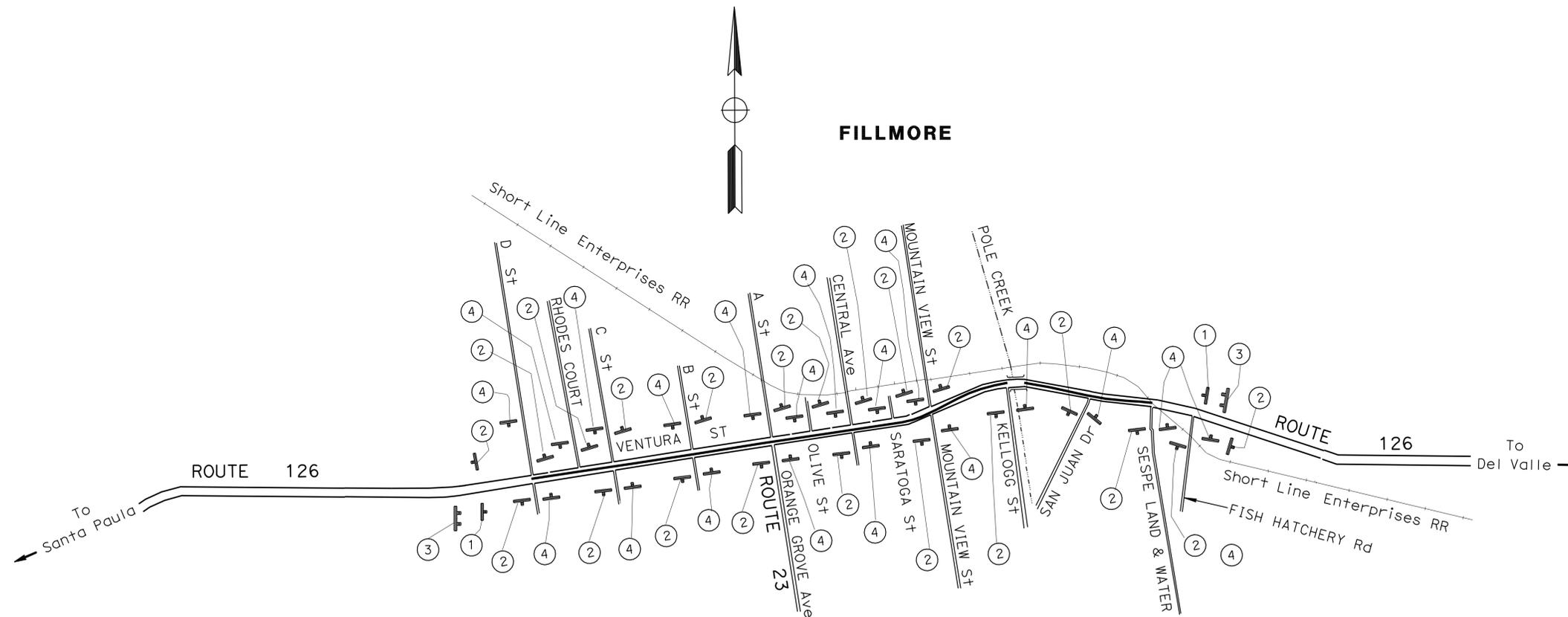
LAST REVISION | DATE PLOTTED => 05-27-2011
 01-10-12 | TIME PLOTTED => 9:45 A.M.

NOTES:

1. LOCATIONS OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE, EXACT SIGN LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. EXISTING UTILITIES ARE NOT SHOWN ON THIS PLAN.
3. "TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES" SIGNS SHALL BE PLACED APPROXIMATELY 500 FEET IN ADVANCE OF "ROAD WORK AHEAD" OR DETERMINED BY THE ENGINEER.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN	CODE	DESCRIPTION	PANEL SIZE	NUMBER OF POSTS & SIZE	QUANTITY
①	W20-1	ROAD WORK AHEAD	36"x36"	1 - 4" x 6"	2
②	G20-2	END ROAD WORK	36"x18"	1 - 4" x 4"	21
③	C40 (CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	108"x42"	2 - 4" x 6"	2
④	W20-1	ROAD WORK AHEAD	30"x30"	1 - 4" x 6"	19
TOTAL					44



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR: HECTOR OBESO
 CALCULATED/DESIGNED BY: PAUL CRISPI
 CHECKED BY: PAUL CRISPI
 REVISOR: BEN SAFYARI
 DATE: 1-23-12

CONSTRUCTION AREA SIGNS
NO SCALE
CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

LAST REVISION: DATE PLOTTED => 05-02-2011
 01-10-12 TIME PLOTTED => 7:30 A.M.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	126	20.3/22.5	8	20

REGISTERED CIVIL ENGINEER	DATE
Paul J. Crispi	8-25-11
PLANS APPROVAL DATE	
1-23-12	

REGISTERED PROFESSIONAL ENGINEER
PAUL CRISPI
No. C55440
Exp. 12-31-12
CIVIL

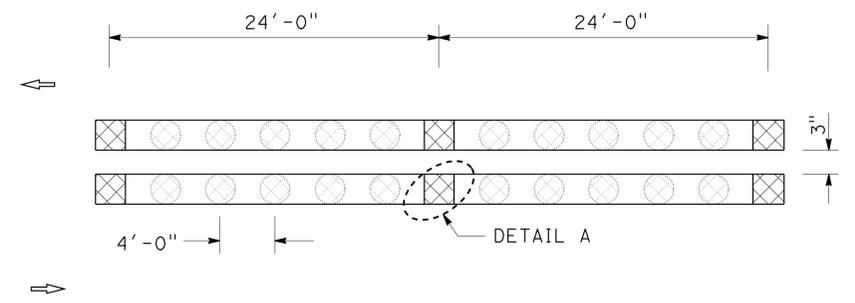
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND:

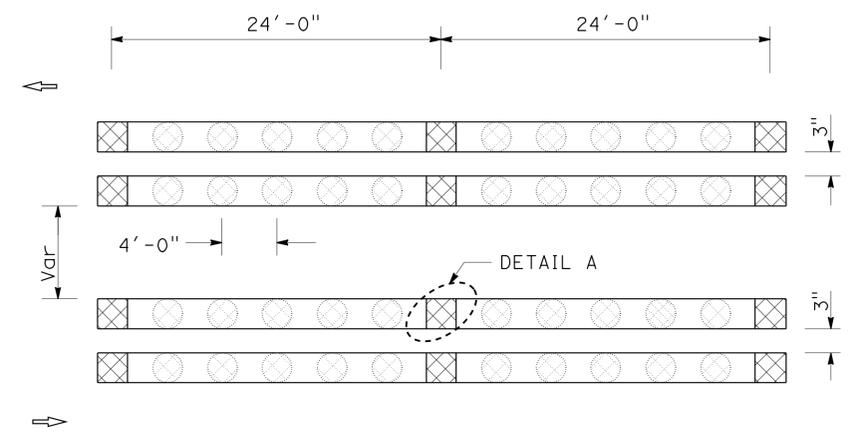
-  TYPE AY PAVEMENT MARKER (SEE NOTE 1)
-  TYPE D PAVEMENT MARKER
-  4" THERMOPLASTIC YELLOW TRAFFIC STRIPE (SEE NOTE 1)
-  DIRECTION OF TRAVEL

NOTE:

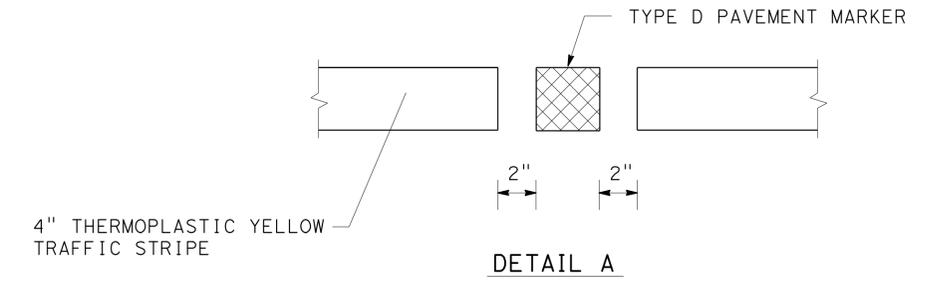
1. TRAFFIC STRIPE SHALL BE PLACED ON TOP OF TYPE AY PAVEMENT MARKERS.



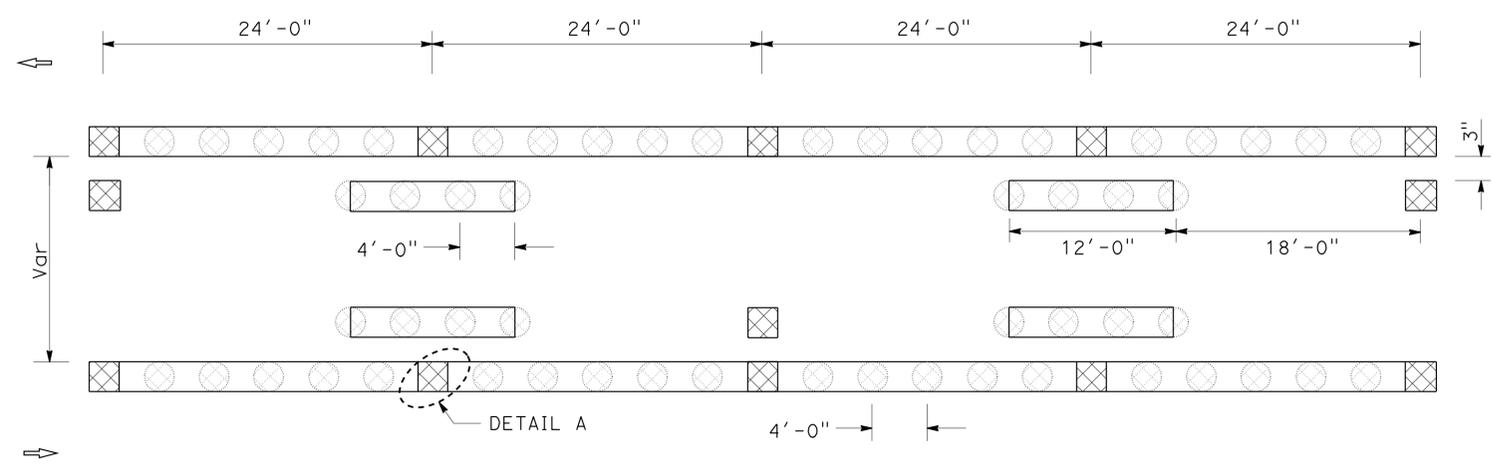
DETAIL 23 (MODIFIED)



DETAIL 28 (MODIFIED)



DETAIL A



DETAIL 31 (MODIFIED)

PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Caltrans MAINTENANCE ENGINEERING	HECTOR OBESO	CHECKED BY	DATE
		BEN SAFYARI	PAUL CRISPI

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	126	20.3/22.5	9	20

Paul J. Crispi 8-25-11
 REGISTERED CIVIL ENGINEER DATE
 1-23-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 PAUL CRISPI
 No. C55440
 Exp. 12-31-12
 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

LOCATION (PM)	COLD PLANE ASPHALT CONCRETE PAVEMENT (SQYD)	RUBBERIZED HOT MIX ASPHALT (GAP GRADED) (TON)	ADJUST FRAME AND COVER TO GRADE (EA)	TACK COAT (TON)	IMPORTED MATERIAL (SHOULDER BACKING) (TON)	CRACK TREATMENT (LNMI)
20.3/22.5	105,835	7,151	50	50	3	8.8

PAVEMENT DELINEATION QUANTITIES

POST MILE	LOCATION	THERMOPLASTIC TRAFFIC STRIPE (LF)						PAVEMENT MARKER (EA)				THERMOPLASTIC PAVEMENT MARKING (SQFT)				REMOVE PAVEMENT MARKER (N)		
		* DETAIL 39	(Mod) DETAIL 23	(Mod) DETAIL 30	(Mod) DETAIL 33	DETAIL 12	DETAIL 38	TYPE AY (NON - REFLECTIVE)	TYPE D (RETROREFLECTIVE)	TYPE G (RETROREFLECTIVE)	BLUE PAVEMENT MARKER	WORDS, SYMBOLS AND CROSSWALKS			ARROWS			
												6" WHITE	4" YELLOW	4" YELLOW	4" YELLOW		4" WHITE (BROKEN 36 - 12)	8" WHITE
20.30/20.59	D ST TO C ST	1,443	600	252	4,268	2,886	318	844	158	75	-	1,657	-	-	-	90	-	1,077
20.59/20.86	C ST TO B ST	446	706	504	3,448	2,880	472	799	151	82	2	2,658	-	-	-	90	-	1,032
20.86/21.14	B ST TO A ST	963	732	252	3,528	2,876	298	764	144	74	5	3,012	-	-	-	60	-	982
21.14/21.41	A ST TO CENTRAL AV	-	1,372	1,008	2,160	2,904	526	855	166	84	3	1,547	-	-	-	120	-	1,106
21.41/21.69	CENTRAL AV TO MOUNTAIN VIEW ST	2,944	240	252	4,752	2,944	277	840	155	75	1	2,252	-	64	62	60	-	1,070
21.69/21.97	MOUNTAIN VIEW ST TO POLE CREEK	2,966	326	252	4,428	2,966	180	810	150	71	2	32	-	-	-	30	-	1,032
21.97/22.50	POLE CREEK TO SESPE LAND AND WATER	5,410	2,016	3,732	2,920	5,410	979	1,667	327	156	1	32	236	-	-	75	210	2,149
	SUB TOTAL	14,172	5,992	6,252	25,504	22,866	3,050	6,579	1,251	617	14	11,190	236	64	62	525	210	8,448
	TOTAL	14,172		37,748		22,866	3,050	6,579		1,882					12,287			8,448

NOTES:

* EXISTING WHITE EDGELINE SHALL BE 6" WHITE THERMOPLASTIC STRIPE

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

REPLACE ASPHALT CONCRETE SURFACING

LOCATION	LANE No.	DIMENSIONS W x L	DEPTH	VOLUME (CY)	HOT MIX ASPHALT (TYPE A) (TON) (N)
EB PM 20.65	2	9' x 750'	0.70'	175.0	354.9
EB PM 21.60	1	9' x 1000'	0.70'	233.3	473.2
WB PM 22.26	1	9' x 1600'	0.70'	373.3	757.1
WB PM 21.85	1	9' x 1800'	0.70'	420.0	851.7
WB PM 21.45	2	10' x 525'	0.70'	136.1	276.0
WB PM 21.28	2	10.3' x 680'	0.70'	181.5	368.1
		TOTAL		1,519.2	3,081.0

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

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Caltrans MAINTENANCE ENGINEERING
 FUNCTIONAL SUPERVISOR: HECTOR OBESO
 CALCULATED/DESIGNED BY: BEN SAFYARI
 CHECKED BY: PAUL CRISPI
 REVISOR: PAUL CRISPI
 DATE REVISOR: 1-23-12

LAST REVISION: DATE PLOTTED => 06-23-2011 TIME PLOTTED => 03:10 P.M.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	126	20.3/22.5	10	20

3-25-11
REGISTERED ELECTRICAL ENGINEER

1-23-12
PLANS APPROVAL DATE

JAMSHED A. HYDER
No. E18656
Exp. 12/31/12
ELECT

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 ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

INDUCTIVE LOOP DETECTOR SCHEDULE (ROUTE 126)

No.	PM	LOCATION	QUANTITY		TYPICAL LOCATION OF LOOP DETECTORS THIS SHEET FOR												No. OF STUBOUTS (REPLACE)
			PULL BOX	LOOPS	SEE DETAIL A												
					1	2	3	4	5	6	7	8	9	10	11	12	
1	20.54	EB ROUTE 126 MAIN LINE LOOP AT C St		12	Y	X	X	X	Y	X	X	X	Y	X	X	X	2
2	20.65	WB ROUTE 126 MAIN LINE LOOP AT C St		12	Y	X	X	X	Y	X	X	X	Y	X	X	X	2
3	20.87	EB ROUTE 126 MAIN LINE LOOP AT B St		12	Y	X	X	X	Y	X	X	X	Y	X	X	X	2
4	20.97	WB ROUTE 126 MAIN LINE LOOP AT B St		12	Y	X	X	X	Y	X	X	X	Y	X	X	X	2
5	21.13	EB ROUTE 126 MAIN LINE LOOP AT A St		12	Y	X	X	X	Y	X	X	X	Y	X	X	X	2
6	21.18	WB ROUTE 126 MAIN LINE LOOP AT A St		12	Y	X	X	X	Y	X	X	X	Y	X	X	X	2
7	21.29	EB ROUTE 126 MAIN LINE LOOP AT OLIVE St		8	Y	X	X	X	Y	X	X	X					2
8	21.34	WB ROUTE 126 MAIN LINE LOOP AT OLIVE St		8	Y	X	X	X	Y	X	X	X					2
9	21.41	EB ROUTE 126 MAIN LINE LOOP AT CENTRAL Ave		12	Y	X	X	X	Y	X	X	X	Y	X	X	X	2
10	21.44	WB ROUTE 126 MAIN LINE LOOP AT CENTRAL Ave		12	Y	X	X	X	Y	X	X	X	Y	X	X	X	2
TOTAL				112													20

Y - INSTALL TYPE D INDUCTIVE LOOP DETECTOR. X - INSTALL TYPE E INDUCTIVE LOOP DETECTOR.
ABANDON EXISTING INDUCTIVE LOOP DETECTOR/S AT SAME LOCATION.

INDUCTIVE LOOP DETECTOR SCHEDULE (LOCAL St)

No.	PM	LOCATION	QUANTITY		TYPICAL LOCATION OF LOOP DETECTORS THIS SHEET FOR								No. OF STUBOUTS (REPLACE)
			PULL BOX	LOOPS	SEE DETAIL B								
					1	2	3	4	5	6	7	8	
1	20.63	NB C St LOOP		4					Y	X	X	X	2
2	20.63	SB C St LOOP		4					Y	X	X	X	2
3	20.96	NB B St LOOP		8	Y	X	X	X	Y	X	X	X	2
4	20.96	SB B St LOOP		8	Y	X	X	X	Y	X	X	X	2
5	21.15	NB AT A St LOOP		8	Y	X	X	X	Y	X	X	X	2
6	21.15	SB A St LOOP		8	Y	X	X	X	Y	X	X	X	2
7	21.32	NB OLIVE St LOOP		4					Y	X	X	X	2
8	21.32	SB OLIVE St LOOP		4					Y	X	X	X	2
9	21.43	NB CENTRAL Ave LOOP		8	Y	X	X	X	Y	X	X	X	2
10	21.43	SB CENTRAL Ave LOOP		8	Y	X	X	X	Y	X	X	X	2
TOTAL				64									20

Y- INSTALL TYPE D INDUCTIVE LOOP DETECTOR. X- INSTALL TYPE E INDUCTIVE LOOP DETECTOR.
ABANDON EXISTING INDUCTIVE LOOP DETECTOR/S AT SAME LOCATION.

- GENERAL NOTES: (PLAN SHEET E-1 AND E-2)**
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL LOCATE EXISTING INDUCTIVE LOOP DETECTORS, STUBOUTS, AND PULL BOXES.
 - NEW STUBOUTS SHALL BE 2". ABANDON EXISTING STUBOUTS.
 - NEW INDUCTIVE LOOP DETECTOR SHALL BE SPLICED TO EXISTING dlc IN ADJACENT PULL BOX.
 - TAG EXISTING dlc IN ADJACENT PULL BOX AND IN CONTROLLER CABINET.
 - LOOP CONDUCTORS FROM PULL BOX.

INDUCTIVE LOOP DETECTOR (REPLACEMENT)

NO SCALE

E-1

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR
 OSWALD ELIZONDO
 CALCULATED/DESIGNED BY
 CHECKED BY
 JAMSHED A. HYDER
 OSWALD ELIZONDO
 REVISED BY
 DATE REVISED
 JH
 3/25/2011



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

JAMSHED A. HYDER
 OSWALD ELIZONDO

FUNCTIONAL SUPERVISOR
 OSWALD ELIZONDO

REVISOR
 JH
 DATE
 3/25/2011

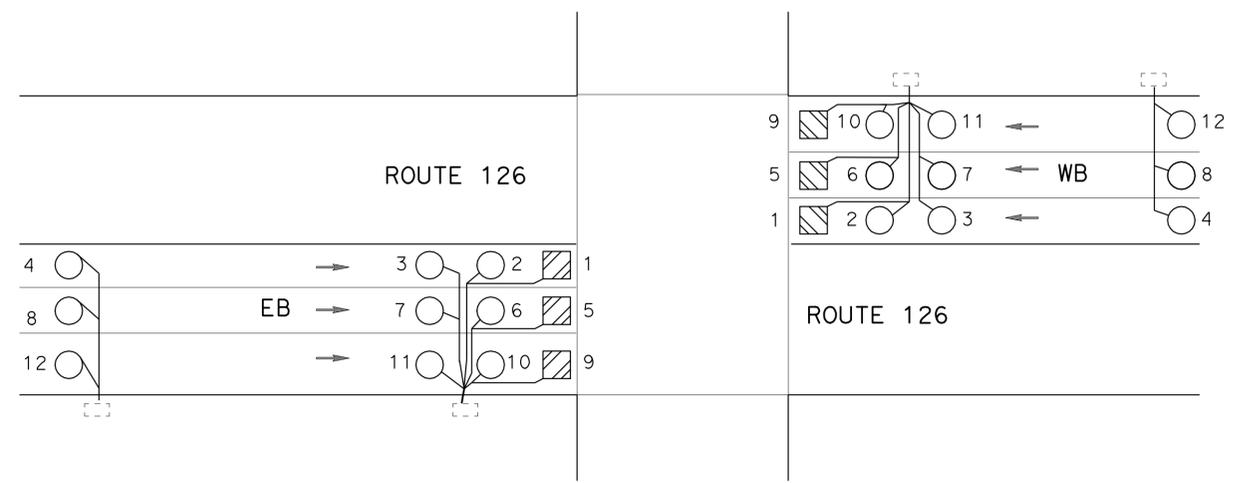
NOTE:
 FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
 CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	126	20.3/22.5	11	20

3-25-11
 REGISTERED ELECTRICAL ENGINEER
 1-23-12
 PLANS APPROVAL DATE

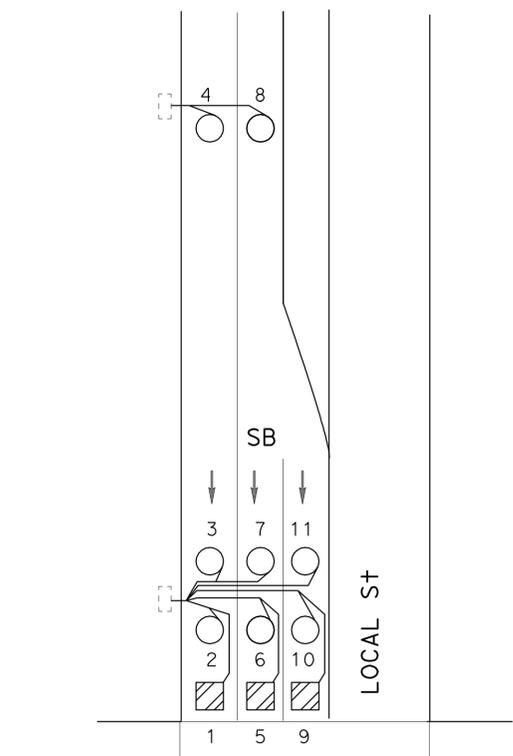
JAMSHED A. HYDER
 No. E18656
 Exp. 12/31/12
 ELECT

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.



DETAIL A

DETAIL FOR TYPICAL LOOP DETECTOR INSTALLATION ON INTERSECTION.



DETAIL B

DETAIL FOR TYPICAL LOOP DETECTOR INSTALLATION ON INTERSECTION.

**INDUCTIVE LOOP DETECTOR
 (DETAILS)**

NO SCALE

E-2

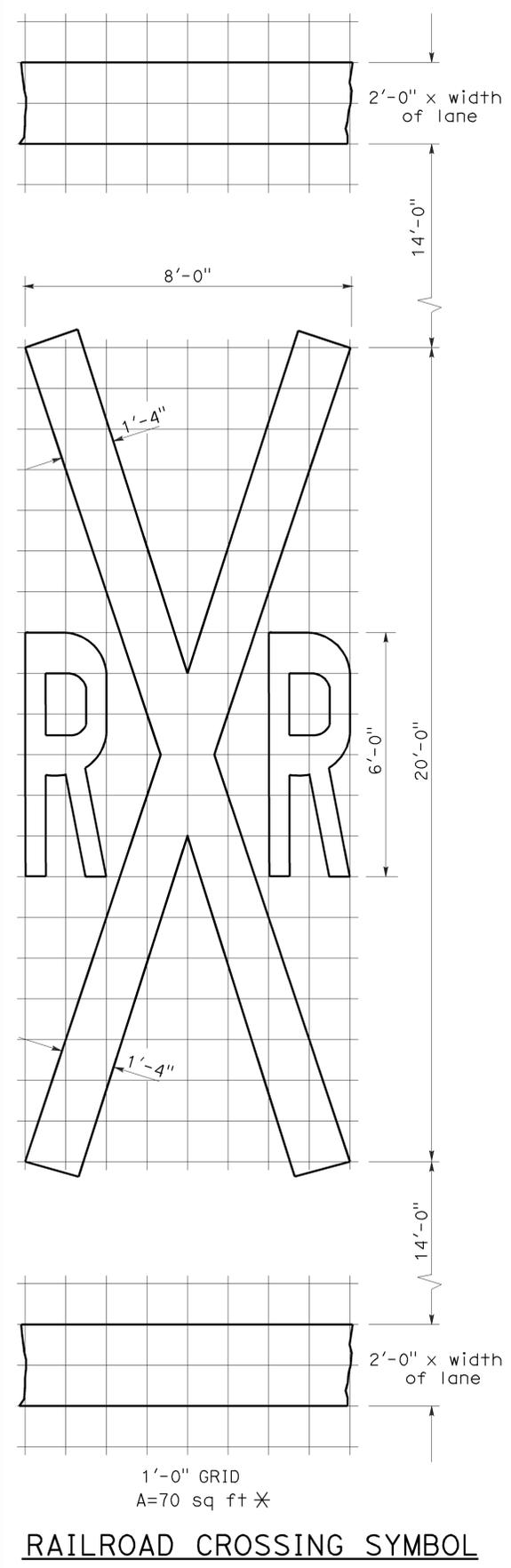
THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	126	20.3/22.5	12	20

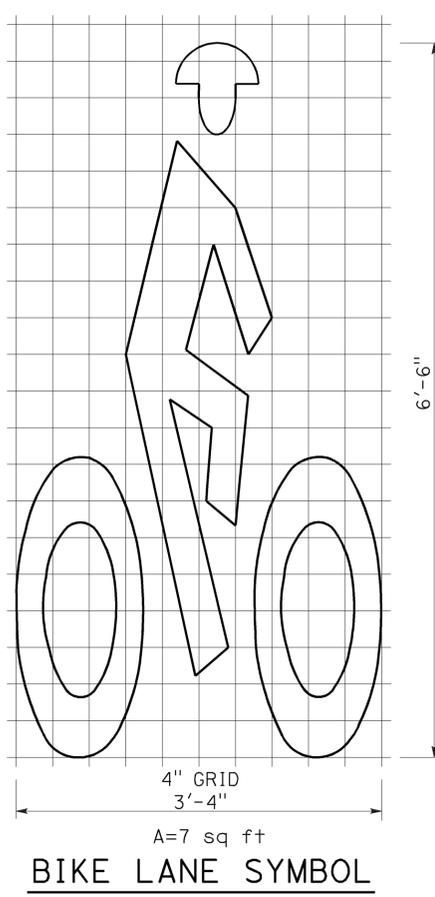
Donald E. Howe
 REGISTERED CIVIL ENGINEER
 June 6, 2008
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 Donald E. Howe
 No. C46402
 Exp. 3-31-09
 CIVIL
 STATE OF CALIFORNIA

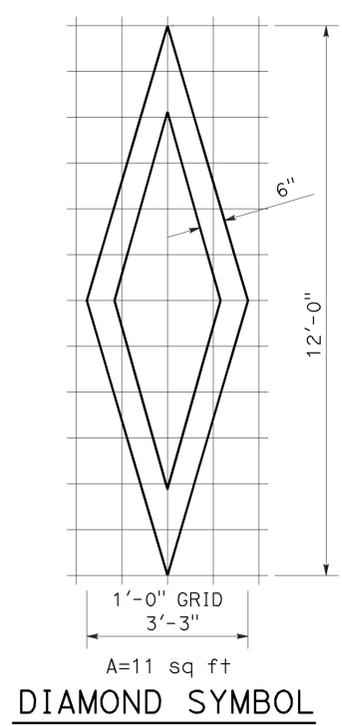
To accompany plans dated 1-23-12



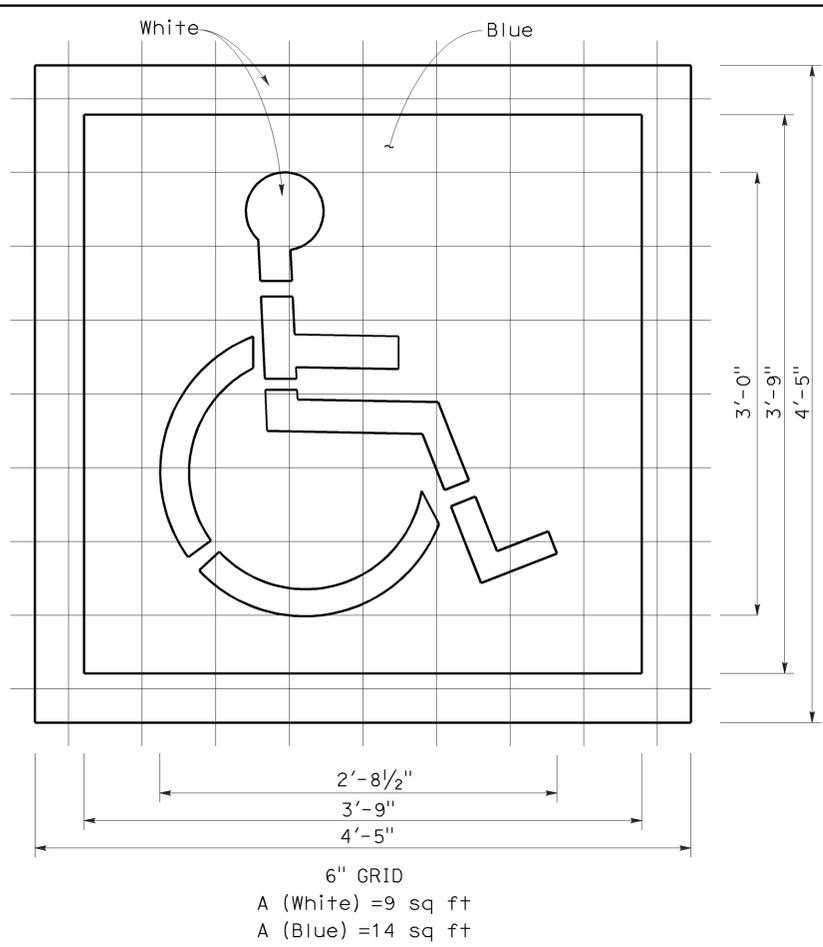
RAILROAD CROSSING SYMBOL
 *70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



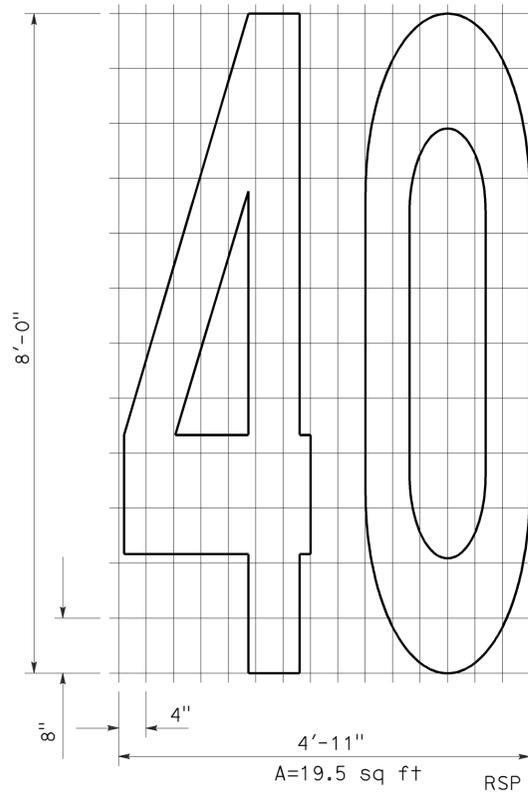
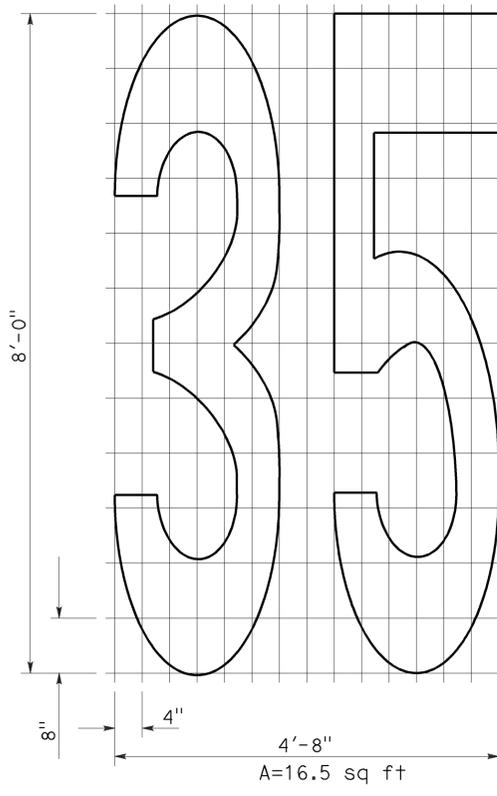
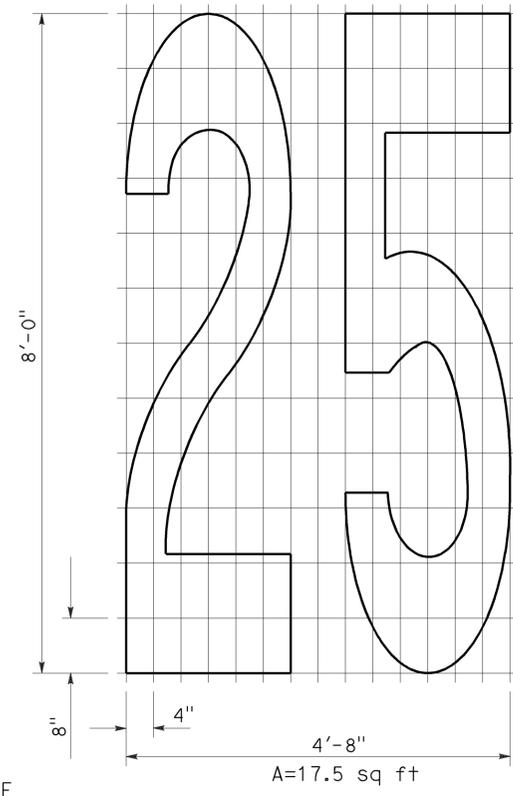
BIKE LANE SYMBOL



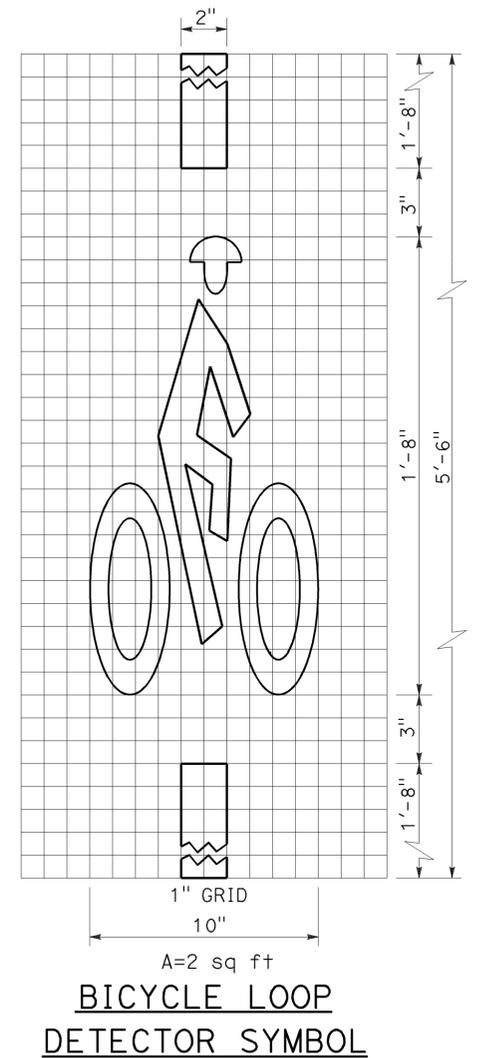
DIAMOND SYMBOL



INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING



NUMERALS



BICYCLE LOOP DETECTOR SYMBOL

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

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS SYMBOLS AND NUMERALS

NO SCALE

RSP A24C DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A24C DATED MAY 1, 2006 - PAGE 11 OF THE STANDARD PLANS BOOK DATED MAY 2006.

2006 REVISED STANDARD PLAN RSP A24C

ELECTROLIERS

STANDARD TYPES		
15, 15D		High mast light pole
15 STRUCTURE		Double Arm lighting standard
21, 21D STRUCTURE		Existing electrolier
30		Electrolier foundation (Future installation)
31		
32		
35		
36-20A		

NOTES:

- Luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31, 32, 35 and 36-20A Standards, unless otherwise specified. Luminaires shall be 200 W HPS when installed on other type standards or poles, unless otherwise specified.
- Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.
- Variations noted adjacent to symbol on project plans.

- Electrolier (see project notes or project plans)
- Luminaire on wood pole

STANDARD NOTES:

- AB** Abandon. If applied to conduit, remove conductors.
- BC** Install pull box in existing conduit run.
- BP** Pedestrian barricade, type as indicated on plan.
- CB** Install conduit into existing pull box.
- CC** Connect new and existing conduit. Remove existing conductors and install conductors as indicated.
- CF** Conduit to remain for future use. Remove conductors. Install pull wire or rope.
- DH** Detector handhole.
- FA** Foundation to be abandoned.
- IS** Install sign on signal mast arm.
- NS** No slip base on standard.
- PEC** Photoelectric control.
- PEU** Photoelectric unit.
- RC** Equipment or material to be removed and become the property of the Contractor.
- RE** Remove electrolier, fuses and ballast. Tape ends of conductors.
- RL** Relocate equipment.
- RR** Remove and reuse equipment.
- RS** Remove and salvage equipment.
- SC** Splice new to existing conductors.
- SD** Service disconnect.
- SF** Standard to remain for future use. Remove luminaire, pole conductors, fuses and ballast.
- TSP** Telephone service point.

ABBREVIATIONS AND EQUIPMENT DESIGNATIONS

PROPOSED EXISTING

BBS	bbs	Battery backup system
BC	bc	Bolt circle
C	C	Conduit
CCTV	cctv	Closed circuit television
CKT	ckt	Circuit
CMS	cms	Changeable message sign
DLC	dlc	Loop detector lead-in cable
EMS	ems	Extinguishable message sign
EVC	evc	Emergency vehicle cable
EVD	evd	Emergency vehicle detector
FB	fb	Flashing beacon
FBCA	fbca	Flashing beacon control assembly
FBS	fbs	Flashing beacon with slip base
FO	fo	Fiber optic
G	G	Ground (Equipment Grounding Conductor)
GFCI	GFCI	Ground fault circuit interrupt
HAR	har	Highway advisory radio
HEX	hex	Hexagonal
HPS	hps	High pressure sodium
IISNS	iisns	Internally illuminated street name sign
ISL	isl	Induction sign lighting
LED	led	Light emitting diode
LMA	lma	Luminaire mast arm
LPS	lps	Low pressure sodium
LTG	ltg	Lighting
LUM	lum	Luminaire
MAT	mat	Mast arm mounting vehicle signal faces, top attachment
MAS	mas	Mast arm mounting vehicle signal faces, side attachment
MAS-4A	mas-4A	Mast arm mounting vehicle signal faces, side attachment - 4 signal section
MAS-4B	mas-4B	
MAS-4C	mas-4C	
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces, side attachment - 5 signal section
MAS-5B	mas-5B	
MC	mc	Mercury contactor
M/M	m/m	Multiple to multiple transformer
MT	mt	Conduit with pull wire or rope only
MTG	mtg	Mounting
	mv	Mercury vapor lighting fixture
N	N	Neutral (Grounded Conductor)
NC	NC	Normally closed
NO	NO	Normally open
PB	pb	Pull box
PEC	pec	Photoelectric control (Type I, II, III, IV or V as shown)
PED	ped	Pedestrian
PEU	peu	Photoelectric unit
PPB	ppb	Pedestrian push button
RL		Relocated equipment
RM	rm	Ramp metering
SB	sb	Slip base
SIC	sic	Signal interconnect cable
SIG	sig	Signal
SMA	sma	Signal mast arm
SNS	sns	Street name sign
SP	sp	Service point
TDC	tdc	Telephone demarcation cabinet
TMS	tms	Traffic monitoring station
TOS	tos	Traffic Operations System
VEH	veh	Vehicle
XFMR	xfmr	Transformer
COMM	comm	Communication
RWIS	rwis	Roadway weather information system

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	126	20.3/22.5	13	20

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

Jeffery G. McRae
REGISTERED PROFESSIONAL ENGINEER
No. E14512
Exp. 6-30-08
ELECTRICAL
STATE OF CALIFORNIA

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To accompany plans dated 1-23-12

SOFFIT AND WALL MOUNTED LUMINAIRES

- Pendant, 70 W HPS unless otherwise specified.
- Flush, 70 W HPS unless otherwise specified.
- Wall surface, 70 W HPS unless otherwise specified.
- Existing soffit or wall luminaire to remain unmodified.
- Existing soffit or wall luminaire to be modified as specified.

NOTE:

Arrow indicates "street side" of luminaire.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN ES-1A
DATED MAY 1, 2006 - PAGE 400 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1A

2006 REVISED STANDARD PLAN RSP ES-1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	126	20.3/22.5	14	20

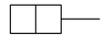
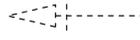
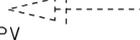
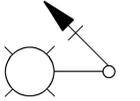
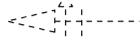
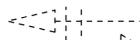
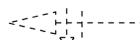
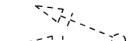
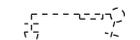
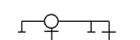
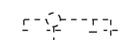
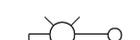
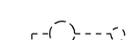
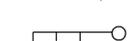
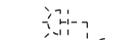
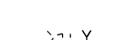
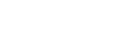
Jeffrey G. McRae
 REGISTERED ELECTRICAL ENGINEER
 October 5, 2007
 PLANS APPROVAL DATE
 Jeffrey G. McRae
 No. E14512
 Exp. 6-30-08
 ELECTRICAL
 STATE OF CALIFORNIA

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CONDUIT

PROPOSED	EXISTING	
---	---	Lighting Conduit, unless otherwise indicated or noted
---	---	Traffic signal conduit
-C-	-c-	Communication conduit
-T-	-t-	Telephone conduit
-F-	-f-	Fire alarm conduit
-FO-	-fo-	Fiber optic conduit
---	---	Conduit termination 
		Conduit riser in/on structure or service pole

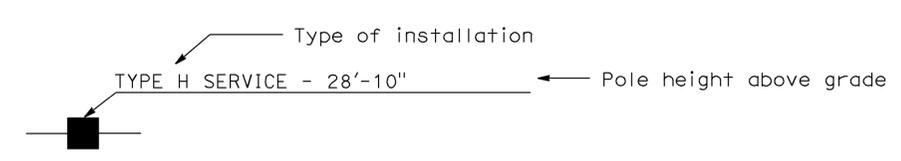
SIGNAL EQUIPMENT

PROPOSED	EXISTING	
		Pedestrian signal face
		Pedestrian push button post
		Pedestrian barricade
		Vehicle signal face (with backplate, 3-Section: red, yellow and green)
		Vehicle signal face with angle visors
		Modifications of basic symbols: "L" Indicates all non-arrow sections louvered "LG" Indicates louvered green section only "PV" Indicates 12" programmed visibility sections "8" indicates all 8" sections (only when specified)
		Type 15TS and Vehicle signal face
		Vehicle signal face with red, yellow and green left arrow sections
		Vehicle signal face with red and yellow sections and up green arrow
		Vehicle signal face (5 Section) with red, yellow and green sections and yellow and green right arrows
		Type 1 Standard and attached vehicle signal faces
		Standard with signal mast arm only and attached vehicle signal faces and internally illuminated street name sign
		Type 33 Standard, Left-turn vehicle signal face and sign
		Standard with luminaire and signal mast arms and attached vehicle signal faces
		Cantilever flashing beacon, Type 9 Frame, with a sign unless otherwise specified or indicated
		Type 15-FBS Standard with two vehicle signal face sections with lens, backplate and visor with a sign
		Flashing beacon. One vehicle signal face section with lens, backplate and visor. "R" indicates red indication, "Y" indicates yellow indication
		Controller assembly. Door indicates front of cabinet

SERVICE EQUIPMENT

PROPOSED	EXISTING	
---OH	---oh	Overhead lines
		Wood pole "U" indicates utility owned
		Pole guy with anchor
		Utility transformer - ground mounted
		Service equipment enclosure type
		Service equipment enclosure door indicates front of enclosure
		Telephone demarcation cabinet

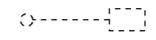
POLE-MOUNTED SERVICE DESIGNATION



ILLUMINATED OVERHEAD SIGN

PROPOSED	EXISTING	
		Overhead sign - Single post
		Overhead sign - Two post
		Overhead sign - Mounted on structure
		Overhead sign with electrolier

SIGNAL EQUIPMENT Cont

PROPOSED	EXISTING	
		Guard post
		Type 1 Standard with "Meter On" sign
		Emergency Vehicle detector

NOTES:

- All signal sections shall be 12" unless shown otherwise.
- Signal heads shall be provided with backplates unless shown otherwise.
- Signal indication shall be LED.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
 (SYMBOLS AND ABBREVIATIONS)**
 NO SCALE

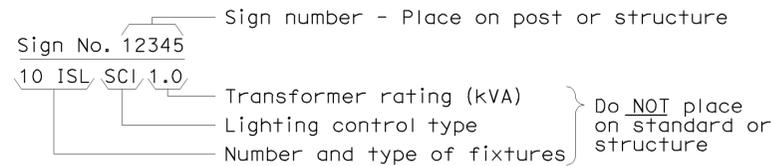
RSP ES-1B DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1B
 DATED MAY 1, 2006 - PAGE 401 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1B

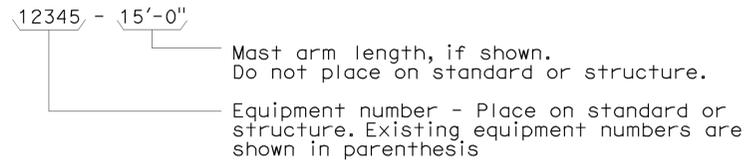
2006 REVISED STANDARD PLAN RSP ES-1B

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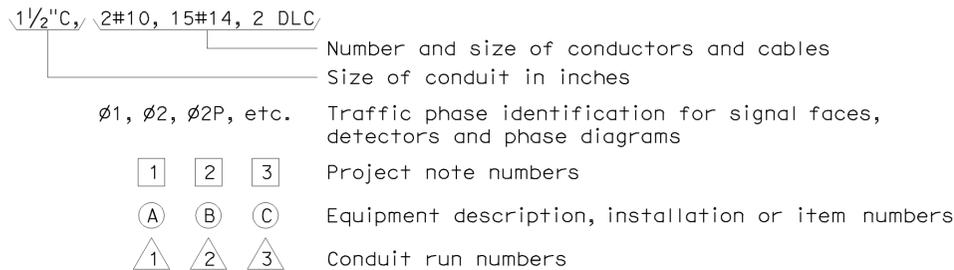
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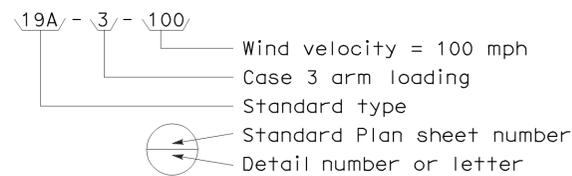
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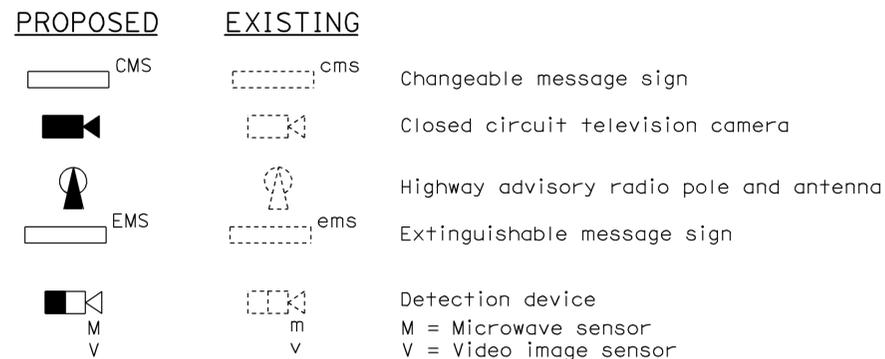
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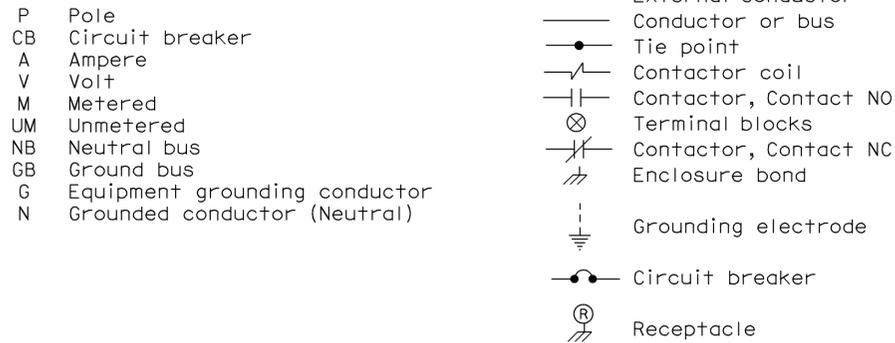
SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



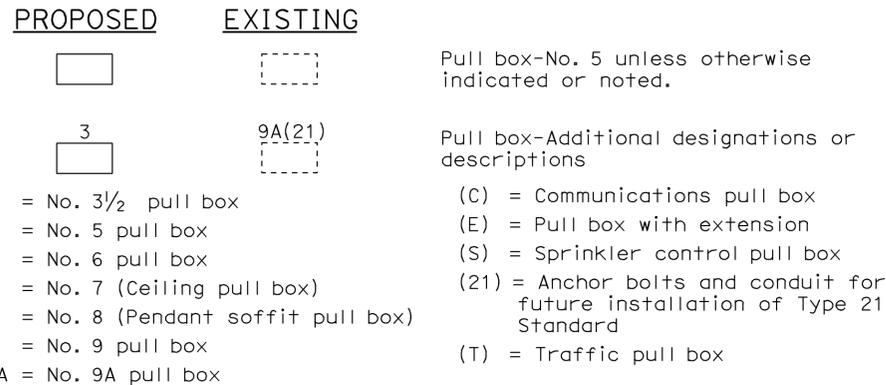
MISCELLANEOUS EQUIPMENT



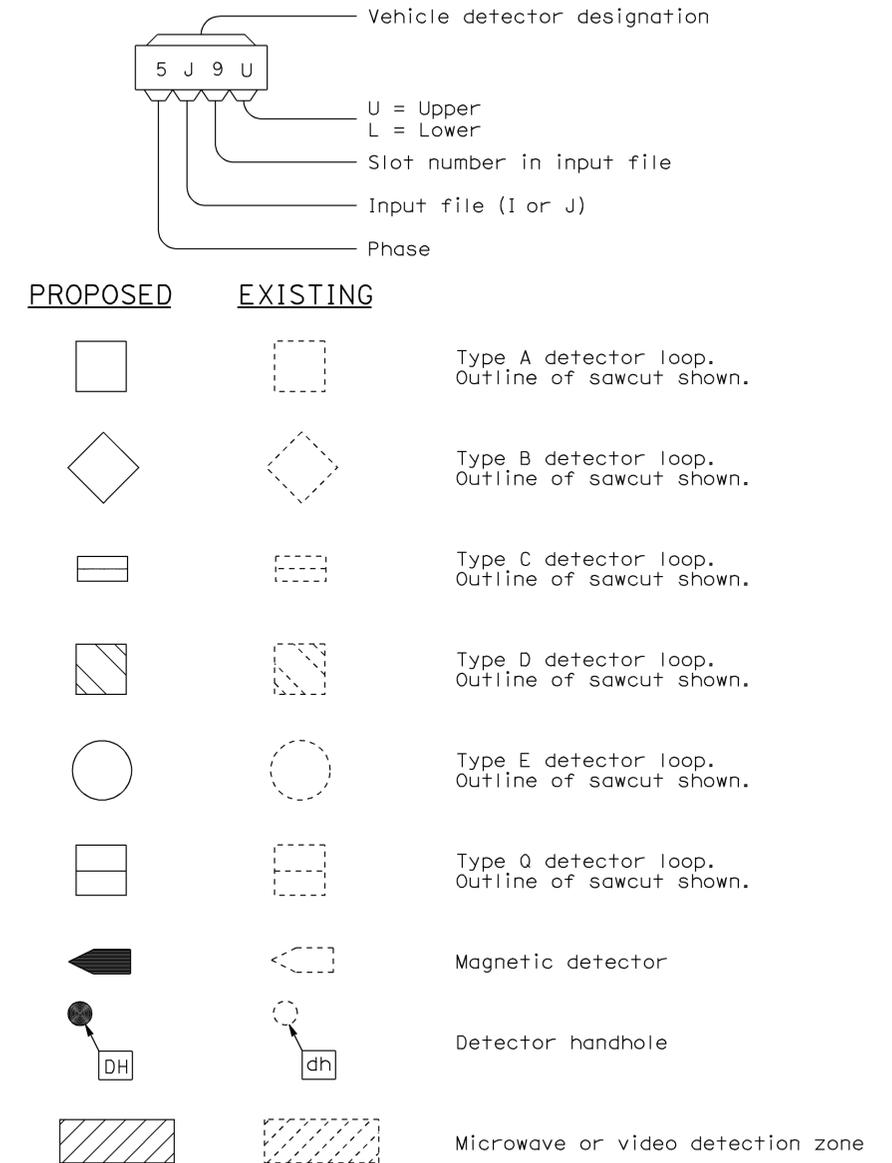
WIRING DIAGRAM LEGEND



PULL BOXES



VEHICLE DETECTORS



STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1C DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1C
 DATED MAY 1, 2006 - PAGE 402 OF THE STANDARD PLANS BOOK DATED MAY 2006.

2006 REVISED STANDARD PLAN RSP ES-1C

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	126	20.3/22.5	16	20

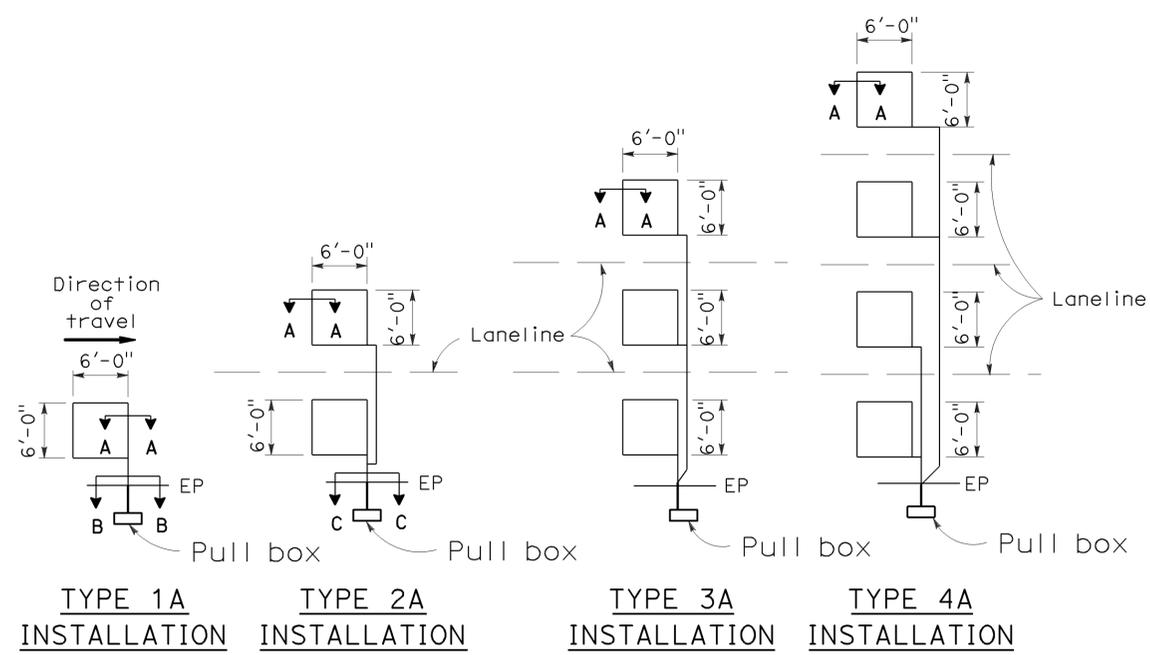
Jeffery G. McRae
 REGISTERED ELECTRICAL ENGINEER
 October 5, 2007
 PLANS APPROVAL DATE
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To accompany plans dated 1-23-12

2006 REVISED STANDARD PLAN RSP ES-5A

LOOP INSTALLATION PROCEDURE

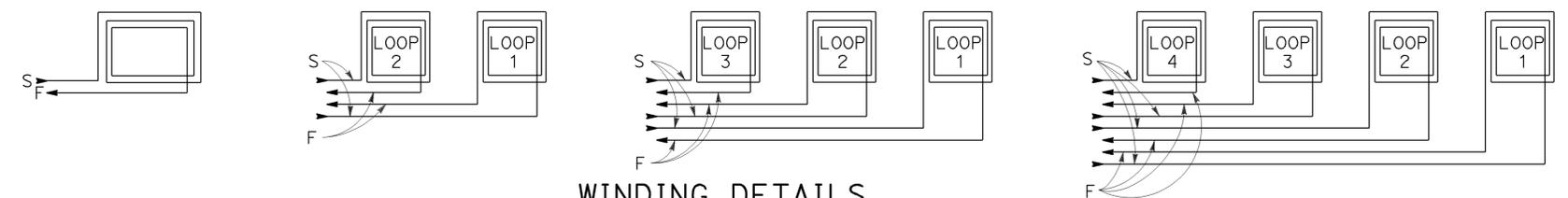
- Loops shall be centered in lanes.
- Saw slots in pavement for loop conductors as shown in details.
- Distance between side of loop and a lead-in saw cut from adjacent detectors shall be 2'-0" minimum. Distance between lead-in saw cuts shall be 6" minimum.
- Bottom of saw slot shall be smooth with no sharp edges.
- Slots shall be washed until clean, blown out and thoroughly dried before installing loop conductors.
- Adjacent loops on the same sensor unit channel shall be wound in opposite directions.
- Identify and tag loop circuit pairs in the pull box with loop number, start (S) and finish (F) of conductor. Identify and tag lead-in-cable with sensor number and phase.
- Install loop conductor in slot using a 3/16" to 1/4" thick wood paddle. Hold loop conductors with wood paddles (at the bottom of the sawed slot) during sealant placement.
- No more than 2 twisted pairs shall be installed in one sawed slot.
- Allow additional 5'-0" of slack length of conductor for the lead-in run to pull box.
- The additional length of each conductor for each loop shall be twisted together into a pair (6 turns per 3'-4" minimum) before being placed in the slot and conduit leading to pull box.
- Test each loop circuit for continuity, circuit resistance and insulation resistance at the pull box before filling slots.
- Fill slots as shown in details.
- Splice loop conductors to lead-in-cable. Splices shall be soldered.
- End of lead-in-cable and Type 2 loop conductor shall be waterproofed prior to installing in conduit to prevent moisture from entering the cable.
- Lead-in-cable shall not be spliced between the pull box and the controller cabinet terminals.
- Test each loop circuit for continuity, circuit resistance and insulation resistance at the controller cabinet location.
- Where loop conductors are not to be spliced to a lead-in-cable, the ends of the conductors shall be taped and waterproofed with electrical insulating coating.



TYPE 1A INSTALLATION **TYPE 2A INSTALLATION** **TYPE 3A INSTALLATION** **TYPE 4A INSTALLATION**

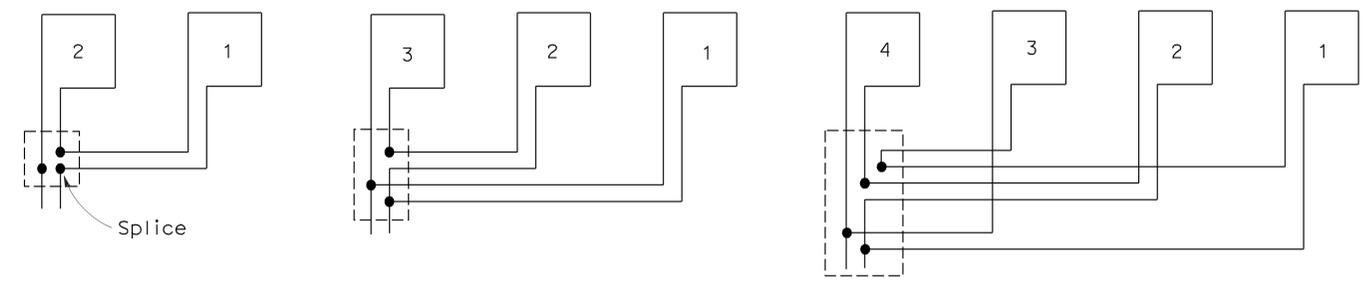
SAWCUT DETAILS

- (Type A loop detector configurations illustrated)
- 1A thru 4A = 1 Type A loop configuration in each lane.
 - 1B thru 4B = 1 Type B loop configuration in each lane.
 - 1C = 1 Type C loop configuration entering lanes as required.
 - 1D thru 4D = 1 Type D loop configuration in each lane.
 - 1E thru 4E = 1 Type E loop configuration in each lane.
 - 1Q thru 4Q = 1 Type Q loop configuration in each lane.
- (Use Type A, B, C, D, E or Q loop detector configurations only when specified or shown on plans)



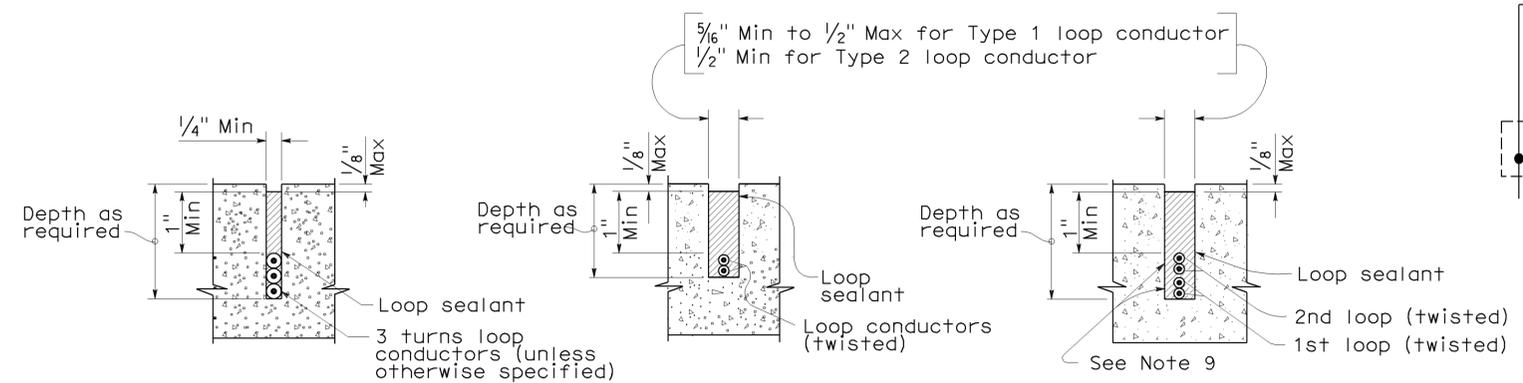
WINDING DETAILS

See Notes 6 and 7



TYPICAL LOOP CONNECTIONS

(Dashed lines represent the pull box)



SECTION A-A **SECTION B-B** **SECTION C-C**
SLOT DETAILS - TYPE 1 AND TYPE 2 LOOP CONDUCTOR

ELECTRICAL SYSTEMS (DETECTORS)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

NO SCALE

RSP ES-5A DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-5A DATED MAY 1, 2006 - PAGE 423 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-5A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	126	20.3/22.5	17	20

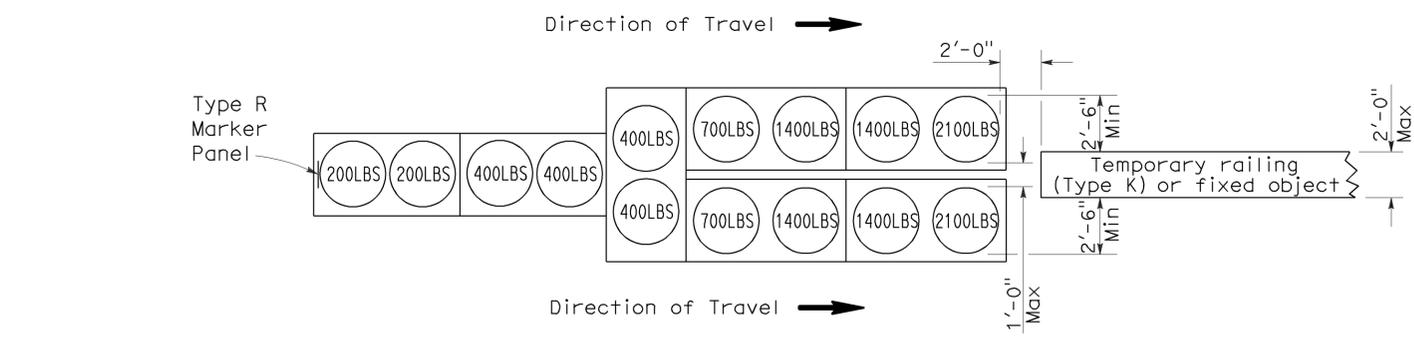
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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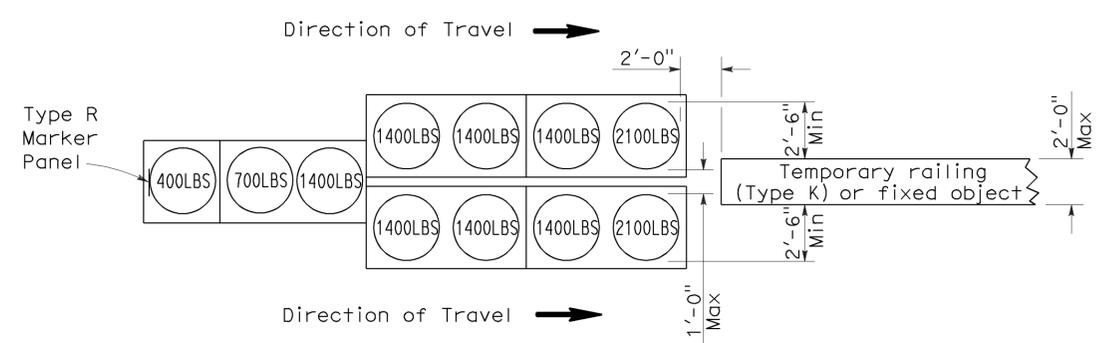
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 1-23-12



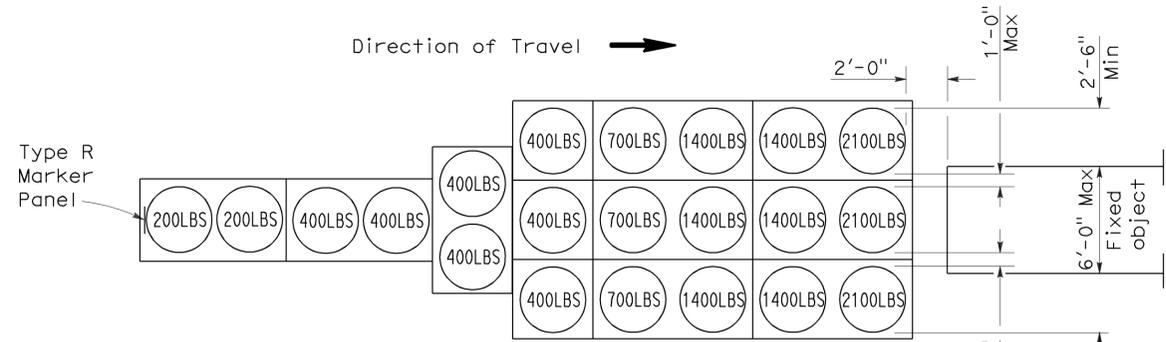
ARRAY 'TU14'

Approach speed 45 mph or more



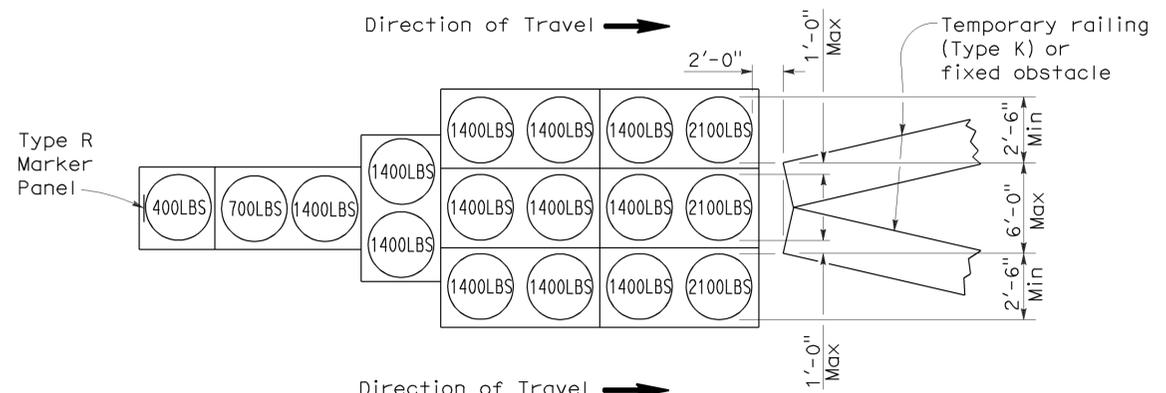
ARRAY 'TU11'

Approach speed less than 45 mph



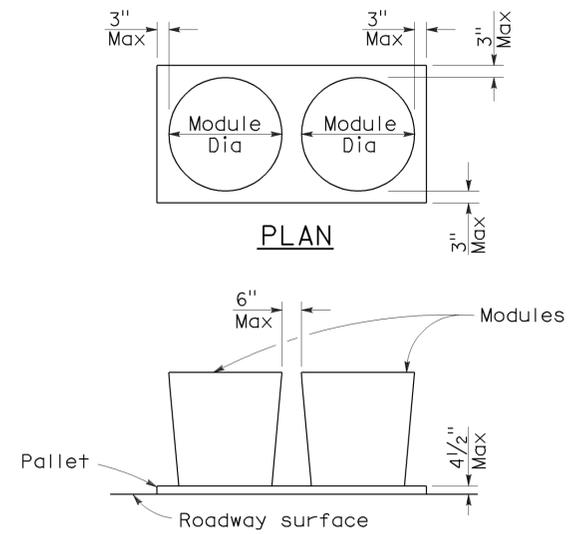
ARRAY 'TU21'

Approach speed 45 mph or more



ARRAY 'TU17'

Approach speed less than 45 mph



CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

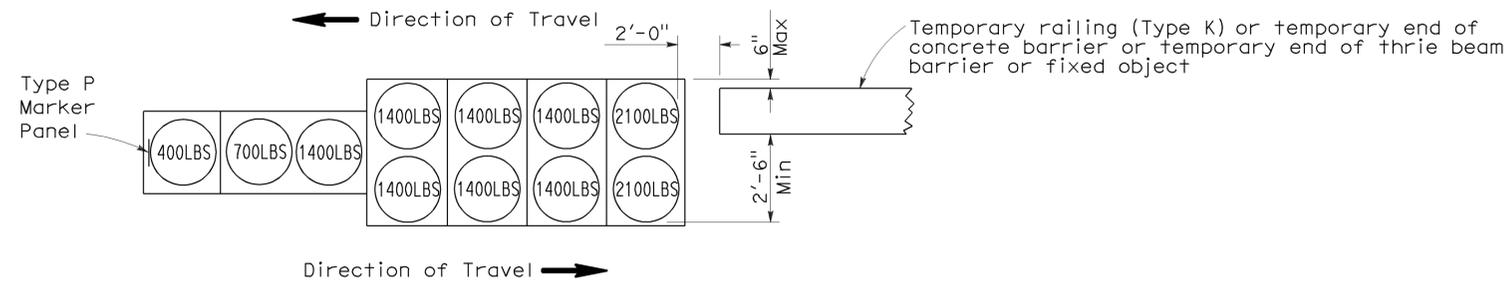
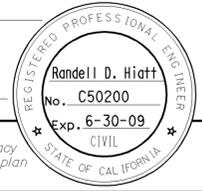
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	126	20.3/22.5	18	20

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

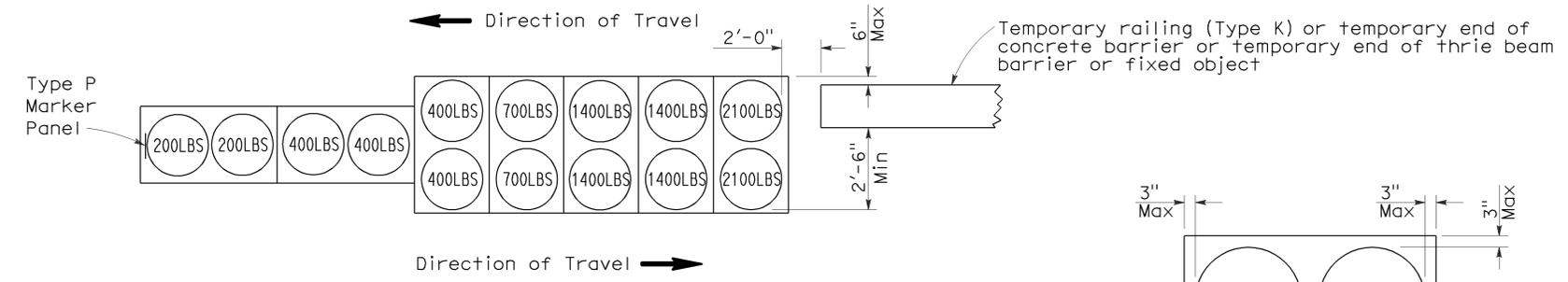
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 1-23-12



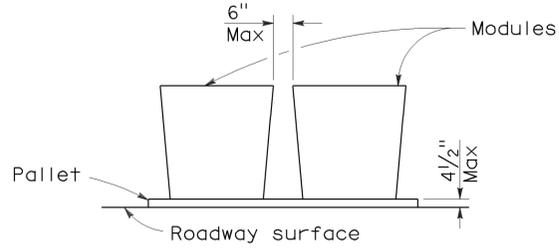
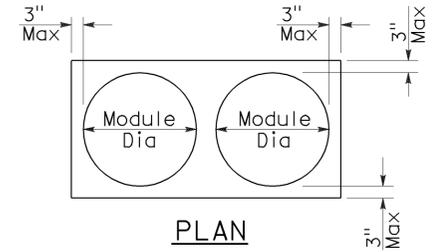
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL
See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(BIDIRECTIONAL)**

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

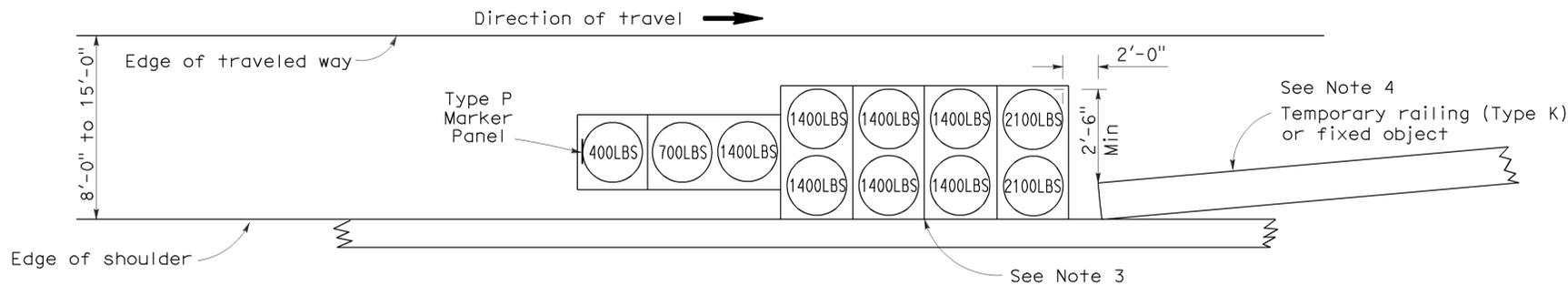
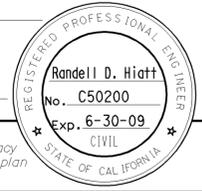
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ven	126	20.3/22.5	19	20

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

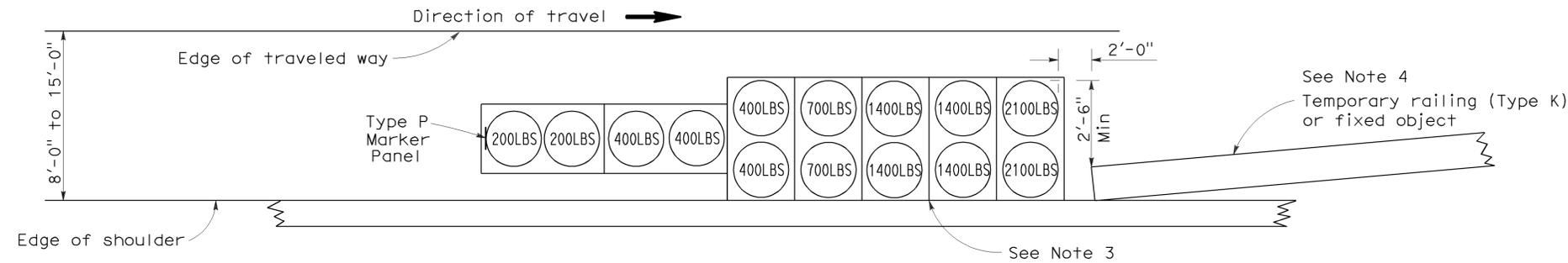
June 6, 2008
PLANS APPROVAL DATE

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To accompany plans dated 1-23-12



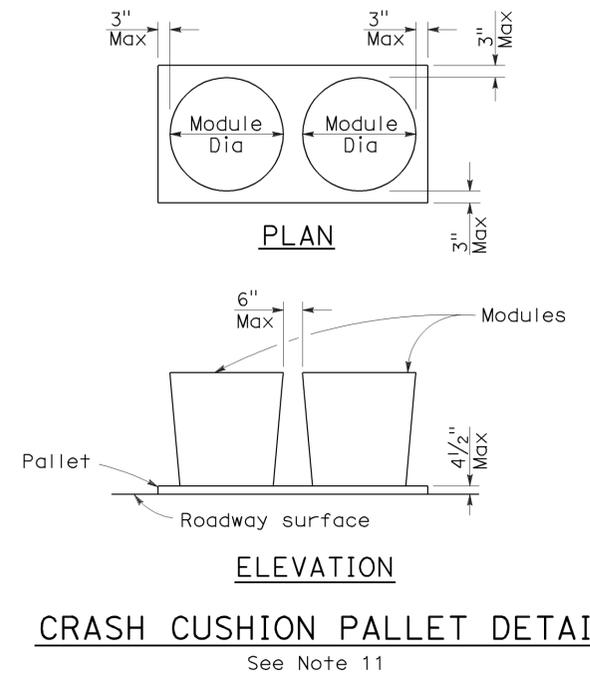
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.



CRASH CUSHION PALLET DETAIL
See Note 11

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**
NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

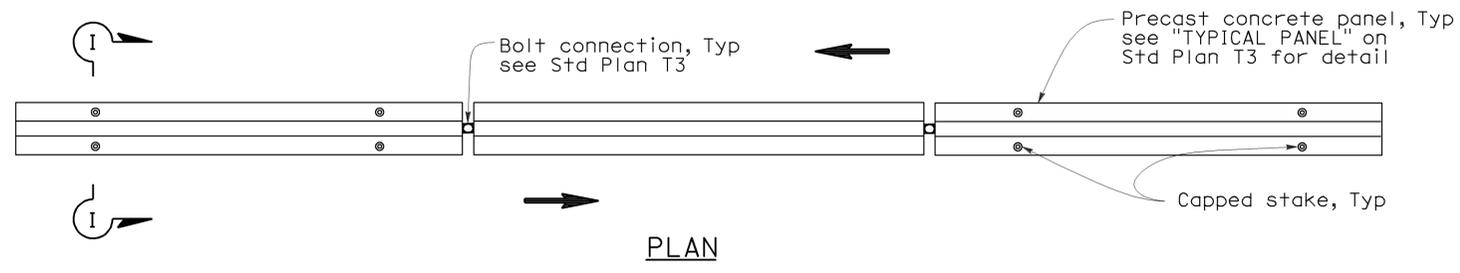
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	126	20.3/22.5	20	20

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

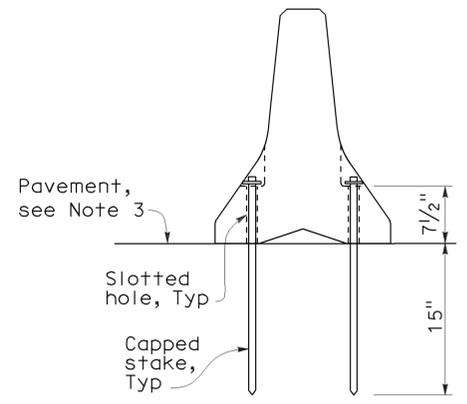
May 20, 2011
PLANS APPROVAL DATE

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To accompany plans dated 1-23-12

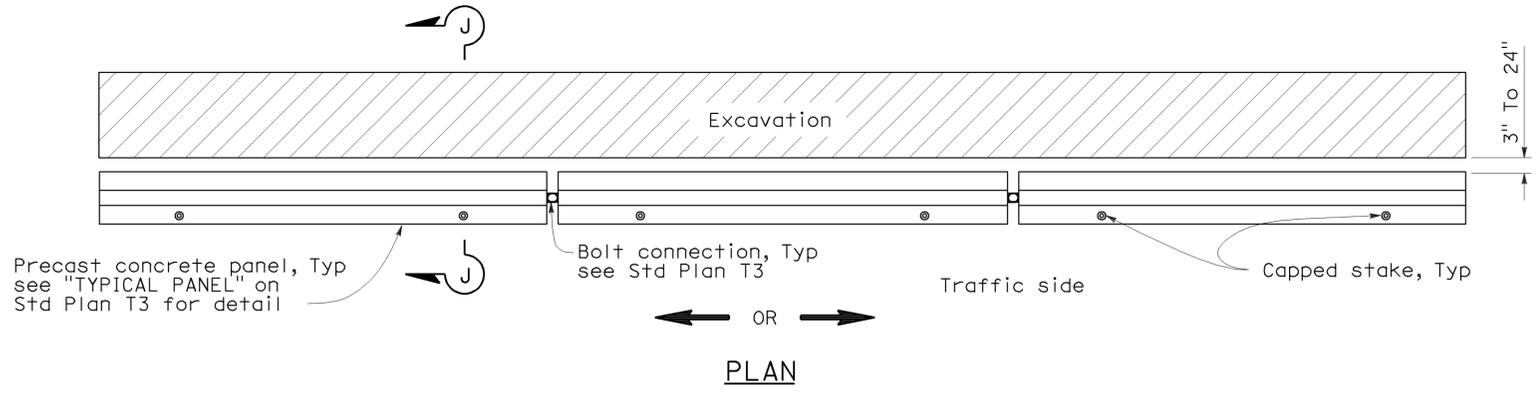


RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC
See Note 1

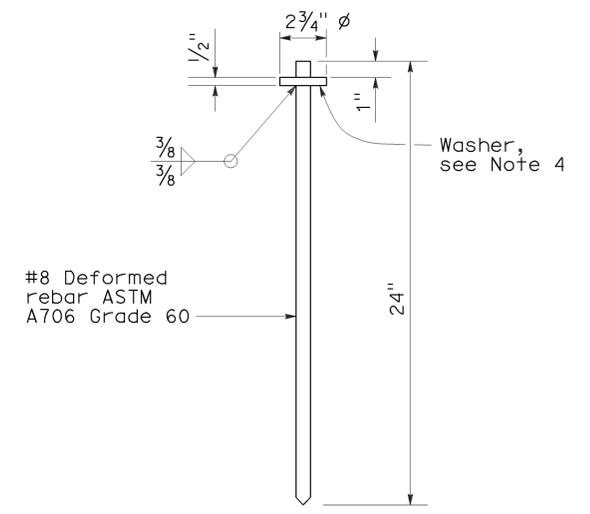
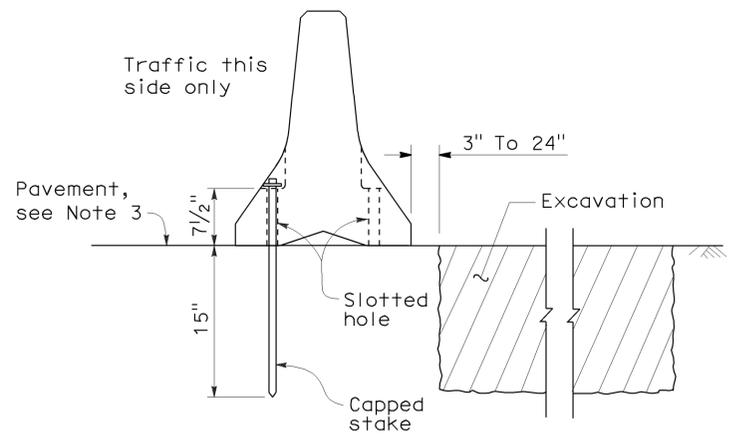


NOTES:

1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by \Rightarrow .



RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION
See Note 2



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY RAILING
(TYPE K)**

NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T3A