Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla Nev	80	68.5/69.8 0.0/R2.5	1	18

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-4	TYPICAL CROSS SECTIONS
5	CONSTRUCTION DETAILS
6	CONSTRUCTION AREA SIGNS
7	PAVEMENT DELINEATION QUANTITIES
8-9	SUMMARY OF QUANTITIES
10-18	REVISED AND NEW 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

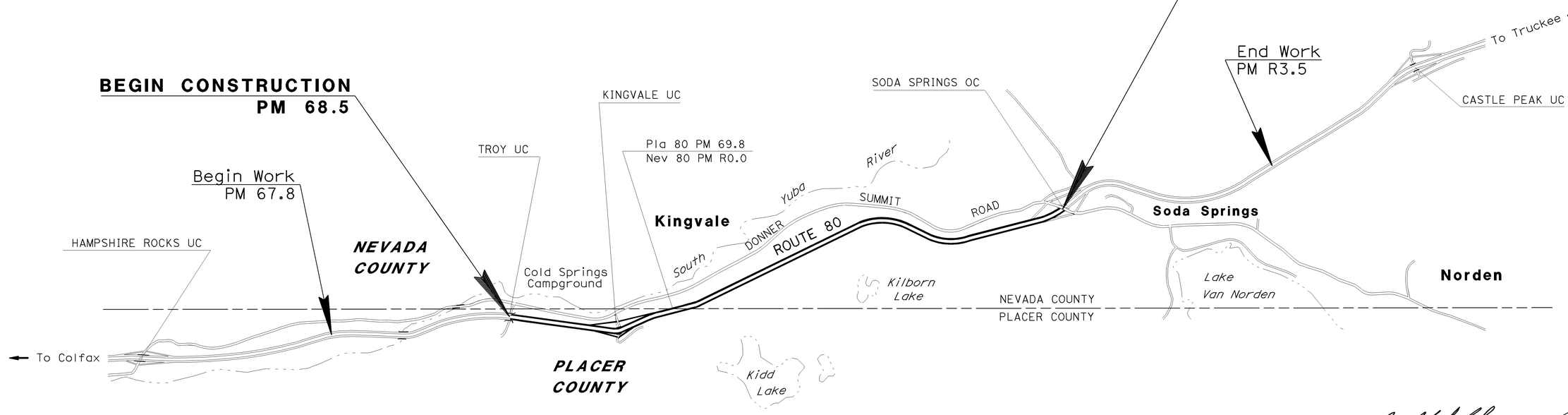
STATE HIGHWAY

IN PLACER AND NEVADA COUNTIES FROM TROY ROAD UNDERCROSSING TO SODA SPRINGS OVERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

LOCATION MAP

END CONSTRUCTION
PM R2.5



NO SCALE

PROJECT MANAGER: RONALD S. SYKES

DESIGN ENGINEER: RONALD S. SYKES

Ronald S. Sykes 3-7-12
PROJECT ENGINEER / DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
RONALD S. SYKES
No. C35526
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

March 7, 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.

DATE PLOTTED => 08-MAR-2012
TIME PLOTTED => 12:42

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

CONTRACT No.	03-4M3004
PROJECT ID	0300020520

LAST REVISION 00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla Nev	80	68.5/69.8 0.0/R2.5	2	18

Ronald S. Sykes 3-7-12
REGISTERED CIVIL ENGINEER DATE

3-7-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RONALD S. SYKES
No. C35526
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

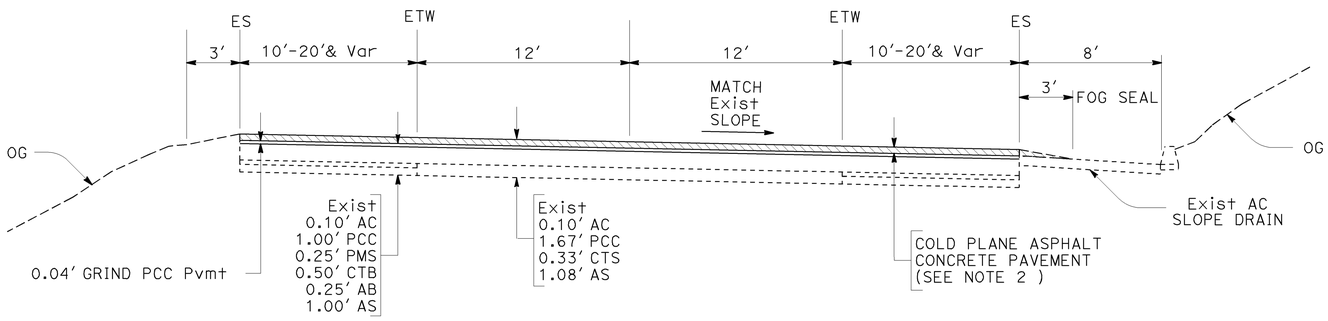
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

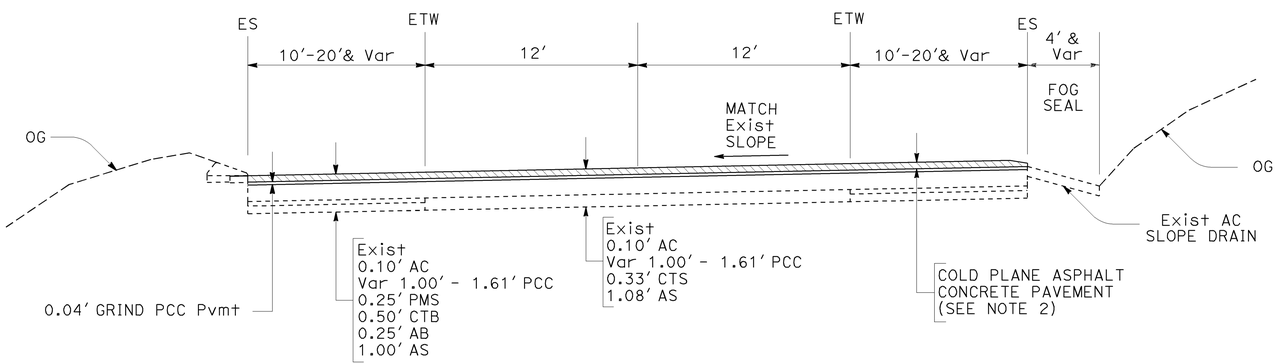
1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. EXISTING AC OVERLAY THICKNESS VARIES FROM 0.0' TO 0.10' Max.
3. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON PORTIONS OF THESE PLANS.
5. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
6. CROSS SLOPES VARY. MATCH EXISTING CROSS SLOPES.

LEGEND:

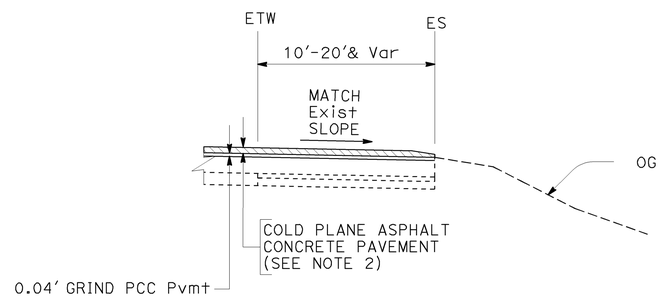
COLD PLANE AC PAVEMENT



EASTBOUND
ROUTE 80



WESTBOUND
ROUTE 80



TYPICAL CROSS SECTIONS

NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
MAINTENANCE

FUNCTIONAL SUPERVISOR: RONALD S. SYKES

CALCULATED-DESIGNED BY: ROBERT M. FLOYD II
CHECKED BY: BRIAN TOEPFER

REVISED BY	DATE REVISED

LAST REVISION
DATE PLOTTED => 08-MAR-2012
TIME PLOTTED => 12:42
00-00-00

BORDER LAST REVISED 7/2/2010

USERNAME => s134507
DGN FILE => 03000205201ca001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0484

PROJECT NUMBER & PHASE 03000205201

NOTES:

1. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON PORTIONS OF THESE PLANS.
2. EXISTING AC OVERLAY THICKNESS VARIES FROM 0.0' TO 0.10' Max.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla Nev	80	68.5/69.8 0.0/R2.5	3	18

Ronald S. Sykes 3-7-12
REGISTERED CIVIL ENGINEER DATE

3-7-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RONALD S. SYKES
No. C35526
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

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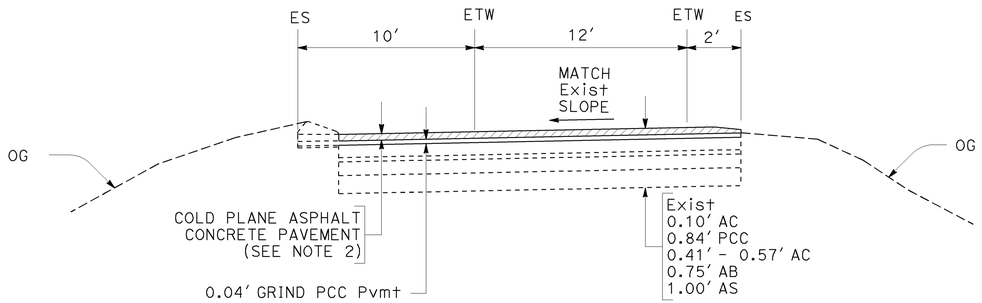
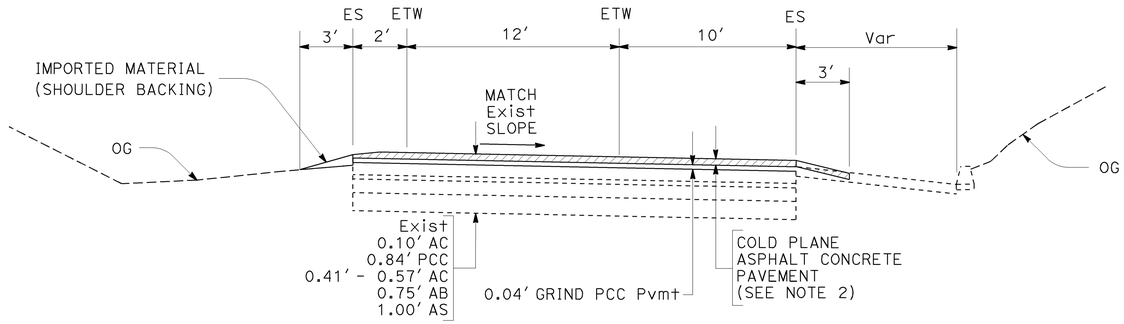
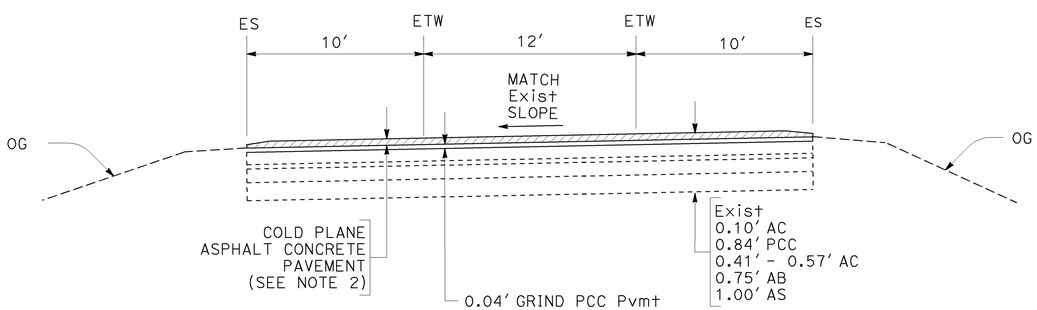


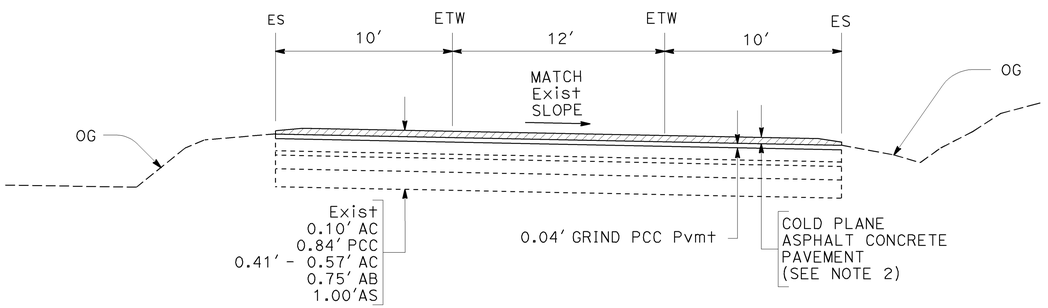
KINGVALE WESTBOUND ON RAMP



KINGVALE EASTBOUND ON RAMP



KINGVALE WESTBOUND OFF RAMP



KINGVALE EASTBOUND OFF RAMP

TYPICAL CROSS SECTIONS

NO SCALE

X-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
MAINTENANCE

FUNCTIONAL SUPERVISOR: RONALD S. SYKES

CALCULATED-DESIGNED BY: ROBERT M. FLOYD II
CHECKED BY: BRIAN TOEPFER
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 08-MAR-2012, TIME PLOTTED => 12:42
00-00-00

BORDER LAST REVISED 7/2/2010

USERNAME => s134507
DGN FILE => 03000205201ca002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0484

PROJECT NUMBER & PHASE 03000205201

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla Nev	80	68.5/69.8 0.0/R2.5	4	18

Ronald S Sykes 3-7-12
REGISTERED CIVIL ENGINEER DATE

3-7-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RONALD S. SYKES
No. C35526
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

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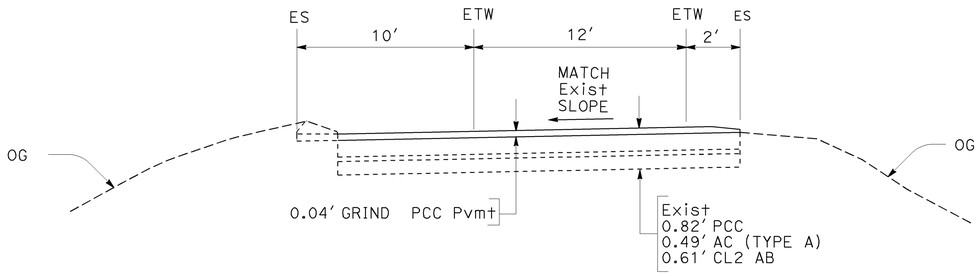
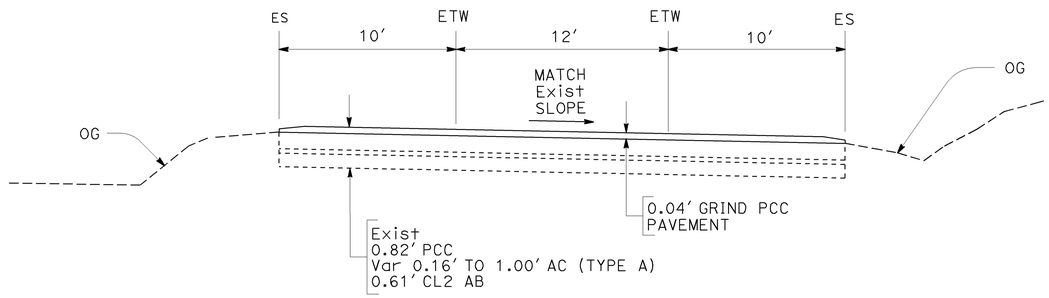


SODA SPRINGS WESTBOUND ON RAMP



SODA SPRINGS EASTBOUND OFF RAMP

TYPICAL CROSS SECTIONS

NO SCALE

X-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
MAINTENANCE

FUNCTIONAL SUPERVISOR
RONALD S. SYKES

CALCULATED-DESIGNED BY
CHECKED BY

REVISED BY
DATE REVISED

LAST REVISION
00-00-00
DATE PLOTTED => 08-MAR-2012
TIME PLOTTED => 12:42

BORDER LAST REVISED 7/2/2010

USERNAME => s134507
DGN FILE => 03000205201ca003.dgn

RELATIVE BORDER SCALE IS IN INCHES
0 1 2 3

UNIT 0484

PROJECT NUMBER & PHASE 03000205201

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla Nev	80	68.5/69.8 0.0/R2.5	5	18

Ronald S Sykes 3-7-12
REGISTERED CIVIL ENGINEER DATE

3-7-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RONALD S. SYKES
No. C35526
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

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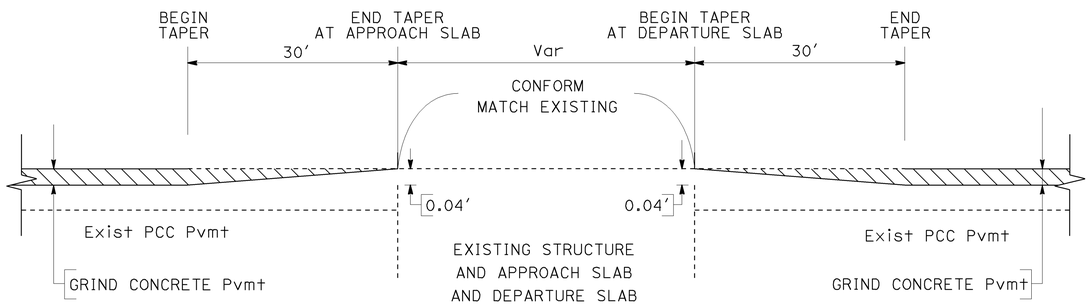
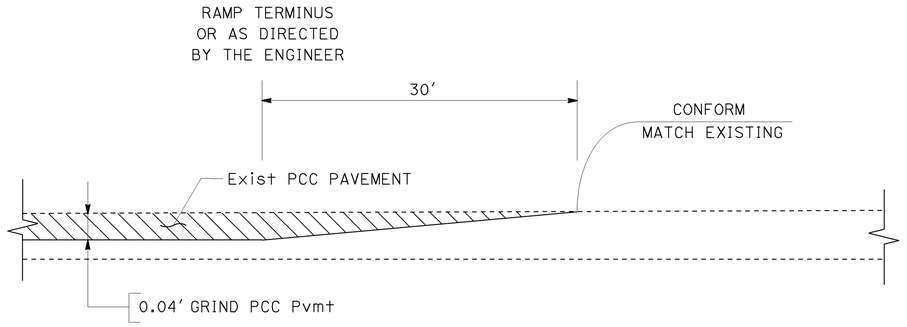
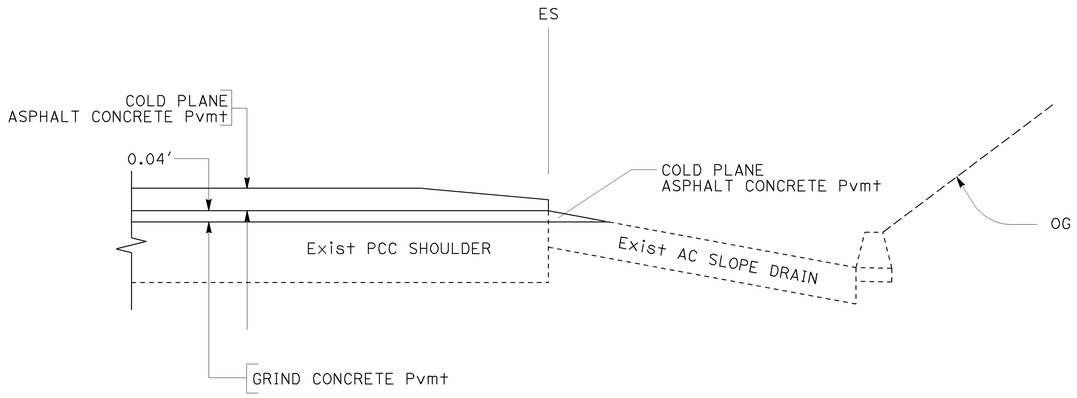


PAVING CONFORM AT BRIDGE STRUCTURES

TROY UC
KINGVALE UC



MAINLINE AND RAMP CONFORM DETAIL



EDGE TAPER

CONSTRUCTION DETAILS

NO SCALE

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE
FUNCTIONAL SUPERVISOR: RONALD S. SYKES
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 08-MAR-2012
TIME PLOTTED => 12:42

BORDER LAST REVISED 7/2/2010
USERNAME => s134507
DGN FILE => 03000205201ga001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0484
PROJECT NUMBER & PHASE 03000205201

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla Nev	80	68.5/69.8 0.0/R2.5	6	18

Ronald S Sykes 3-7-12
REGISTERED CIVIL ENGINEER DATE

3-7-12
PLANS APPROVAL DATE

RONALD S. SYKES No. C35526 Exp. 9-30-13 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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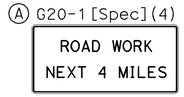
STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)	G20-1[Spec](4)		84" x 42"	ROAD WORK NEXT 7 MILES	2 - 4" x 6"	4
(B)		C40(Mod)	96" x 60"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 6" x 6"	4
(C)	W20-1	C23	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	5
(D)		C14	48" x 24"	END ROAD WORK	1 - 4" x 6"	7

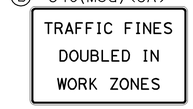
SIGN DETAILS

(A) G20-1[Spec](4)



RETROREFLECTIVE ORANGE BACKGROUND WITH BLACK LEGEND AND BORDER.

(B) C40(Mod)<CA>



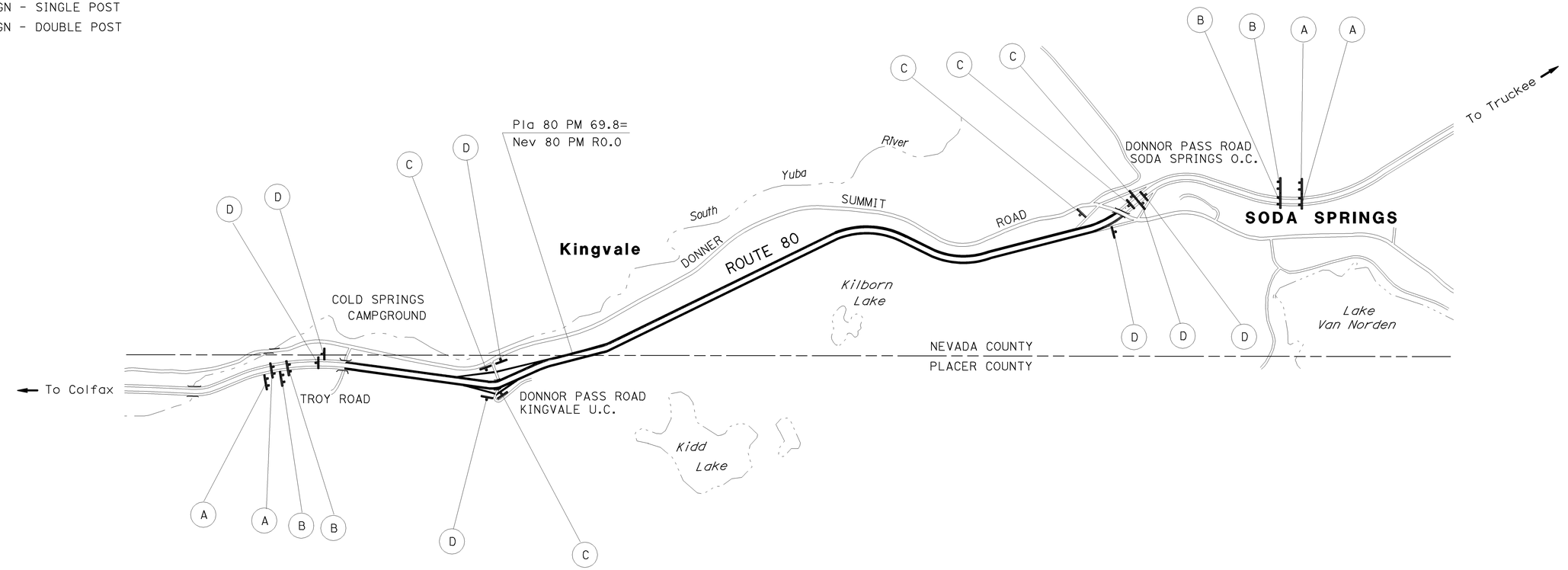
RETROREFLECTIVE WHITE BACKGROUND WITH BLACK LEGEND AND BORDER.

NOTES:

1. POST DIMENSIONS ARE NOMINAL.
2. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

LEGEND:

- SIGN - SINGLE POST
- SIGN - DOUBLE POST



CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE
FUNCTIONAL SUPERVISOR: RONALD S. SYKES
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 08-MAR-2012
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BORDER LAST REVISED 7/2/2010
USERNAME => s134507
DGN FILE => 030002052011a001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0484
PROJECT NUMBER & PHASE 03000205201

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla Nev	80	68.5/69.8 0.0/R2.5	7	18

Ronald S Sykes 3-7-12
REGISTERED CIVIL ENGINEER DATE

3-7-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RONALD S. SYKES
No. C35526
Exp. 9-30-11
CIVIL
STATE OF CALIFORNIA

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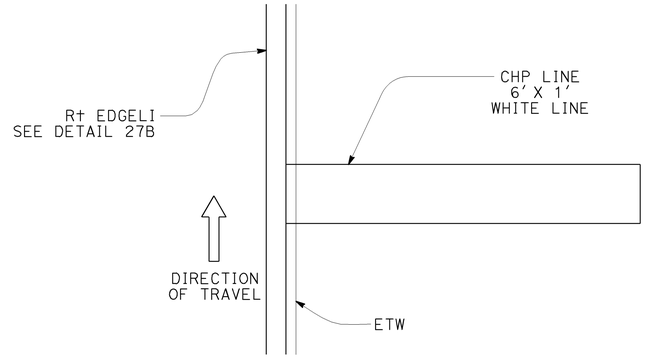
NOTES:

1. EXACT LOCATIONS OF "CHP LINE DETAIL" TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

PAVEMENT MARKING QUANTITIES

LOCATION	TWO-COMPONENT PAINT PAVEMENT MARKING						DESCRIPTION
	ARROWS		WORDS		LIMIT LINE	CHP LINE	
	TYPE I (24'-0")	TYPE V	"STOP"	"AHEAD"			
	SQFT						
WB Nev PM 0.0 TO R2.5						30	5 CHP LINES
EB KINGVALE OFF RAMP		66	44	31	50		2-EACH TYPE V ARROWS, 2 "STOP", 1 "AHEAD", 60' LIMIT LINE
EB KINGVALE ON RAMP	31						ONE-EACH TYPE I ARROW
WB KINGVALE ON RAMP	31						ONE-EACH TYPE I ARROW
WB KINGVALE OFF RAMP		66	44	31	50		2-EACH TYPE V ARROWS, 2 "STOP", 1 "AHEAD", 60' LIMIT LINE
WB SODA SPRINGS ON RAMP	31						ONE-EACH TYPE I ARROW
EB SODA SPRINGS OFF RAMP		66	44	31	50		2-EACH TYPE V ARROWS, 2 "STOP", 1 "AHEAD", 60' LIMIT LINE
SUBTOTAL	93	198	132	93	150	30	
TOTAL	696						



CHP LINE DETAIL

NO SCALE

TRAFFIC STRIPE QUANTITIES

EB/WB	Co	PM	DESCRIPTION	4" TWO-COMPONENT PAINT TRAFFIC STRIPE (RECESSED)		4" TWO-COMPONENT PAINT TRAFFIC STRIPE (RECESSED, BROKEN 36-12)	4" TWO-COMPONENT PAINT TRAFFIC STRIPE (RECESSED, BROKEN 17-7)	8" TWO-COMPONENT PAINT TRAFFIC STRIPE (RECESSED)		REMOVE WHITE THERMOPLASTIC TRAFFIC STRIPE	
				DETAIL NUMBER							
				24	27B	11	8	36	36A	36	36A
				LF						SQFT	
EB	Pla	68.5 TO 69.8	MAINLINE	5,600	5,300	16,730					
EB	Nev	0.0 TO R2.5	MAINLINE	14,100	14,100						
WB	Pla	68.5 TO 69.8	MAINLINE	5,500	5,200	17,270					
WB	Nev	0.0 TO R2.5	MAINLINE	13,900	13,900						
EB	Pla	69.0 TO 69.2	KINGVALE OFF RAMP	620	1,180			700		470	
EB	Pla	69.2 TO 69.4	KINGVALE ON RAMP	740	1,380		130		220		150
WB	Pla	69.1 TO 69.2	KINGVALE ON RAMP	390	1,130		70		380		260
WB	Pla	69.2 TO 69.4	KINGVALE OFF RAMP	800	1,360			700		470	
EB	Nev	2.3 TO 2.5	SODA SPRINGS OFF RAMP	740	1,238						
WB	Nev	2.3 TO 2.5	SODA SPRINGS ON RAMP	854	1,054		130				
SUBTOTAL				43,244	45,842			1,400	600	940	410
TOTAL				89,086		34,000	330	2,000		1,350	

CALCULATED-DESIGNED BY
CHECKED BY

FUNCTIONAL SUPERVISOR
RONALD S. SYKES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 08-MAR-2012
00-00-00 | TIME PLOTTED => 12:42

PAVEMENT DELINEATION QUANTITIES

PDQ-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla Nev	80	68.5/69.8 0.0/R2.5	8	18

Ronald S Sykes 3-7-12
REGISTERED CIVIL ENGINEER DATE

3-7-12
PLANS APPROVAL DATE

RONALD S. SYKES No. C35526 Exp. 9-30-11 CIVIL
REGISTERED PROFESSIONAL ENGINEER
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.

HMA DIKE QUANTITIES

EB/WB	Co	PM	DESCRIPTION	REMOVE ASPHALT CONCRETE DIKE	PLACE HOT MIX ASPHALT DIKE (TYPE E)	PLACE HOT MIX ASPHALT DIKE (TYPE F)	MINOR HOT MIX ASPHALT
				LF	LF	LF	TON
WB	Pla	69.05 TO 69.25	KINGVALE ON RAMP OUTSIDE SHOULDER	1,050	1,050		27
WB	Pla	69.5 TO 69.8	MAINLINE OUTSIDE SHOULDER	2,100	2,100		55
WB	Nev	0.0 TO R1.15	MAINLINE OUTSIDE SHOULDER	6,100	6,100		159
WB	Nev	R1.50 TO R1.85	MAINLINE OUTSIDE SHOULDER	1,800	1,800		47
WB	Nev	R1.85 TO R2.00	MAINLINE OUTSIDE SHOULDER	800		800	11
SUBTOTAL				11,850	11,050	800	300
TOTAL				11,850	11,050	800	300

ROADWAY QUANTITITES

EB/WB	Co	PM	DESCRIPTION	IMPORTED MATERIAL (SHOULDER BACKING)	SEAL JOINT (EXISTING CONCRETE PAVEMENT)	GRIND EXISTING CONCRETE PAVEMENT	COLD PLANE ASPHALT CONCRETE PAVEMENT
				(TON)	(LF)	(SQYD)	(SQYD)
EB	Pla	68.5 to 69.8	MAINLINE	100	3,900	37,307	11,192
EB	Nev	0.0 to R2.5	MAINLINE	300	9,900	58,984	17,695
WB	Pla	68.5 to 69.8	MAINLINE		3,900	33,940	10,182
WB	Nev	0.0 to R2.5	MAINLINE	60	9,900	58,984	17,695
EB	Pla	69.0 to 69.2	KINGVALE OFF-RAMP		600	3,030	909
EB	Pla	69.2 to 69.4	KINGVALE ON-RAMP	40	600	3,200	960
WB	Pla	69.1 to 69.2	KINGVALE ON-RAMP		600	3,342	1003
WB	Pla	69.2 to 69.4	KINGVALE OFF-RAMP		600	4,498	1350
WB	Nev	R2.3 to R2.5	SODA SPRINGS ON-RAMP		600	2,472	
			SUBTOTAL	500	30,600	205,757	60,986
			TOTAL	500	30,600	205,757	60,986

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

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: RONALD S. SYKES
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

LAST REVISION 00-00-00 | DATE PLOTTED => 08-MAR-2012 | TIME PLOTTED => 12:42

SUMMARY OF QUANTITIES

Q-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla Nev	80	68.5/69.8 0.0/R2.5	9	18

Ronald S Sykes 3-7-12
REGISTERED CIVIL ENGINEER DATE

3-7-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RONALD S. SYKES
No. C35526
Exp. 9-30-11
CIVIL
STATE OF CALIFORNIA

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PAVEMENT TRANSITION TAPER

EB/WB	Co	PM	LOCATION	DESCRIPTION	PAVEMENT TRANSITION TAPER
					SQYD
EB	Pla	68.5	TROY Ave OC	END BRIDGE	150
EB	Pla	69.2	KINGVALE Ave OC	BEGIN BRIDGE	180
EB	Pla	69.2	KINGVALE Ave OC	END BRIDGE	180
WB	Pla	68.5	TROY Ave OC	END BRIDGE	150
WB	Pla	69.2	KINGVALE Ave OC	BEGIN BRIDGE	180
WB	Pla	69.2	KINGVALE Ave OC	END BRIDGE	180
EB	Nev	69.2	MAINLINE	END WORK	150
WB	Nev	69.2	MAINLINE	END WORK	150
EB	Pla	69.2	KINGVALE OFF RAMP	RAMP TERMINAL	100
EB	Pla	69.2	KINGVALE ON RAMP	RAMP ENTRANCE	80
WB	Pla	69.2	KINGVALE ON RAMP	RAMP ENTRANCE	100
WB	Pla	69.2	KINGVALE OFF RAMP	RAMP TERMINAL	80
				SUBTOTAL	1,680
				TOTAL	1,680

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: RONALD S. SYKES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
MAINTENANCE

SUMMARY OF QUANTITIES

Q-2

LAST REVISION: DATE PLOTTED => 08-MAR-2012
00-00-00 TIME PLOTTED => 12:42

NOTE:

1. Tie bars, dowel bars, and reinforcement are not shown in joint seal details, see Revised Standard Plans RSP P1, RSP P3, RSP P10, RSP P35, RSP P45, or RSP P46 as applicable.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Nev	80	68.5/69.8 0.0/R2.5	10	18

William K. Farnbach
REGISTERED CIVIL ENGINEER

May 15, 2009
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — William K. Farnbach — No. C49042 — Exp. 9-30-10 CIVIL — STATE OF CALIFORNIA

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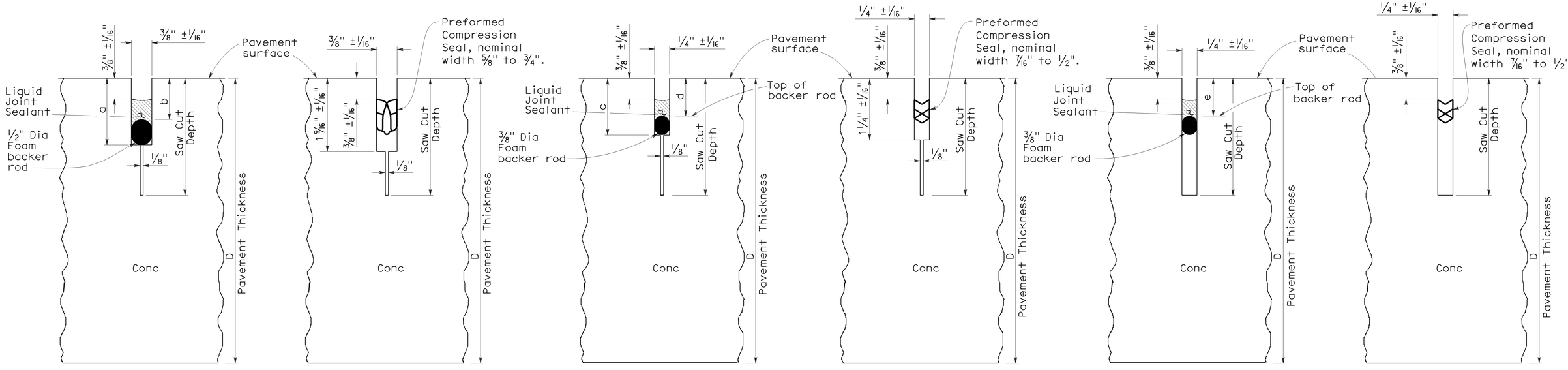
To accompany plans dated 3-7-12

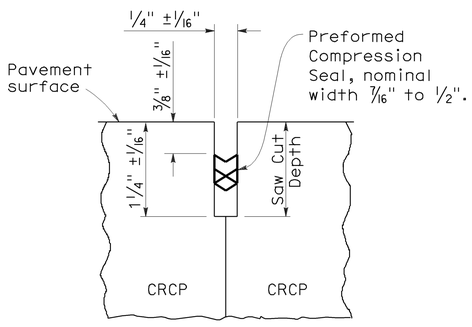


LIQUID SEALANT | COMPRESSION SEAL | LIQUID SEALANT | COMPRESSION SEAL | LIQUID SEALANT | COMPRESSION SEAL

TYPE A1
Transverse Contraction Joints

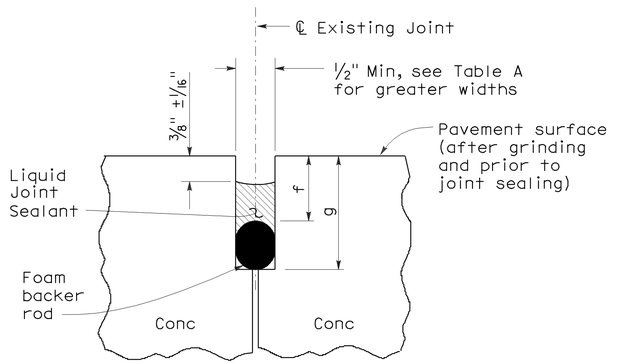
TYPE A2
Longitudinal Contraction Joints

TYPE B
Longitudinal or Transverse Contraction Joint



COMPRESSION SEAL

TYPE C
Transverse and Longitudinal Construction Joints (For CRCP)



LIQUID SEALANT

TYPE R
Retrofit Transverse and Longitudinal Joints

LIQUID SEALANT RESERVOIR DEPTH

LIQUID SEALANT MATERIAL	3/8" Joint Width Type A1		1/4" Joint Width Type A2		1/4" Joint Width Type B
	DIMENSION		DIMENSION		DIMENSION
	a	b	c	d	e
SILCONE	1" ±1/16"	5/8" ±1/16"	15/16" ±1/16"	9/16" ±1/16"	9/16" ±1/16"
ASPHALT RUBBER	1 3/16" ±1/16"	3/4" ±1/16"	1 1/16" ±1/16"	11/16" ±1/16"	11/16" ±1/16"

TABLE A (TYPE R JOINT)

Sawn Joint Width	Backer Rod Diameter ± 1/16"	DIMENSION "f"	DIMENSION "g"
1"	1 5/16"	7/8"	2 1/4"
7/8"	1 3/16"	13/16"	2"
3/4"	1"	3/4"	1 3/4"
5/8"	7/8"	11/16"	1 1/2"
1/2"	11/16"	5/8"	1 1/4"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-JOINT DETAILS

NO SCALE

RSP P20 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P20
DATED MAY 1, 2006 - PAGE 128 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P20

2006 REVISED STANDARD PLAN RSP P20

5-8-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Nev	80	68.5/69.8 0.0/R2.5	11	18

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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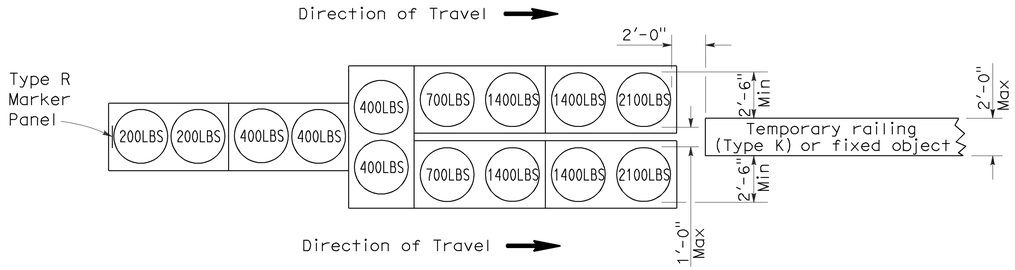
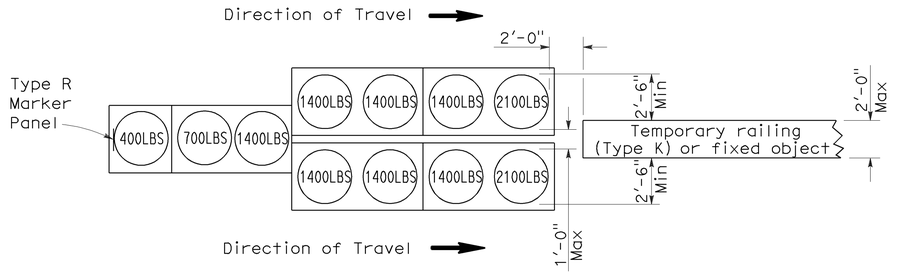
To accompany plans dated 3-7-12



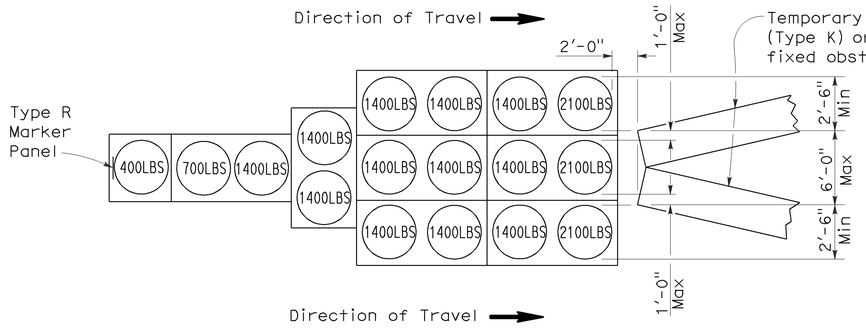
ARRAY 'TU14'

Approach speed 45 mph or more



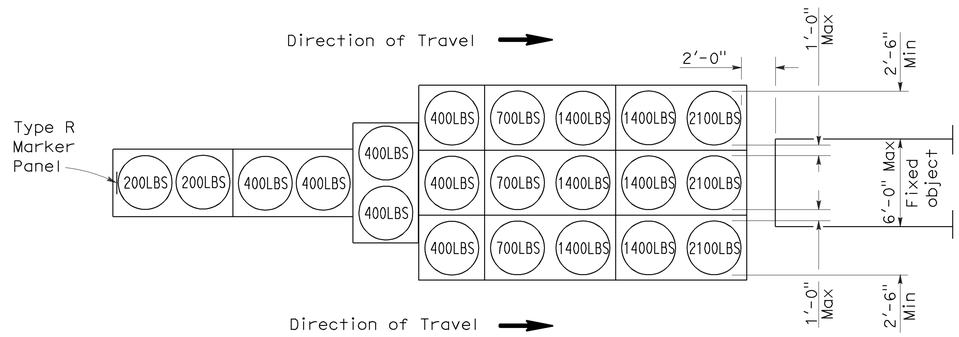
ARRAY 'TU11'

Approach speed less than 45 mph



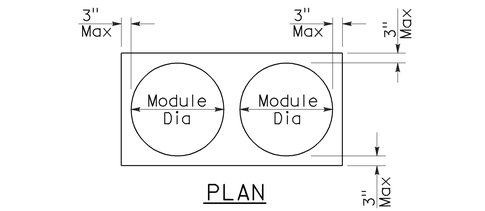
ARRAY 'TU17'

Approach speed less than 45 mph

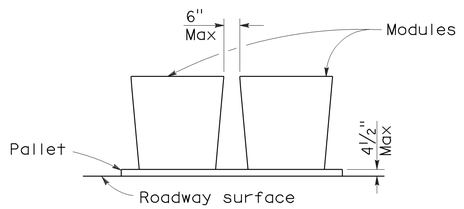


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Nev	80	68.5/69.8 0.0/R2.5	12	18

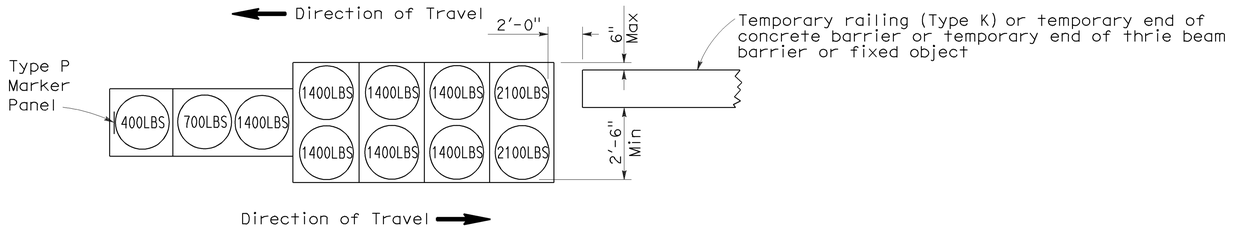
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

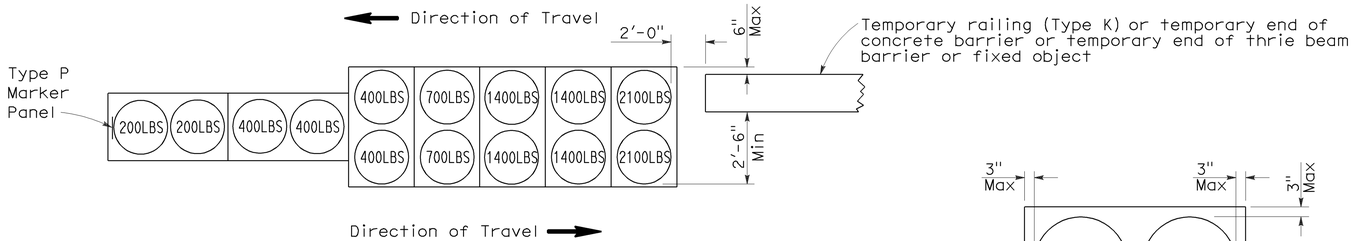
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 3-7-12



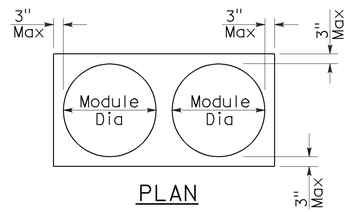
ARRAY 'TB11'

Approach speed less than 45 mph

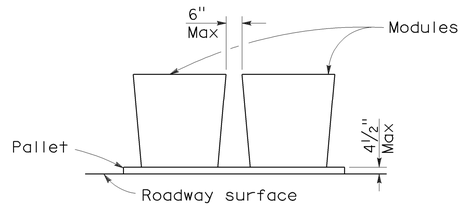


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Nev	80	68.5/69.8 0.0/R2.5	13	18

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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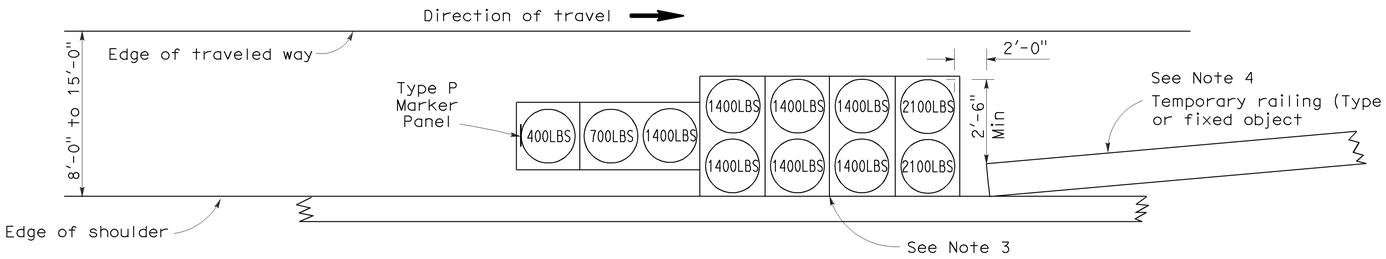
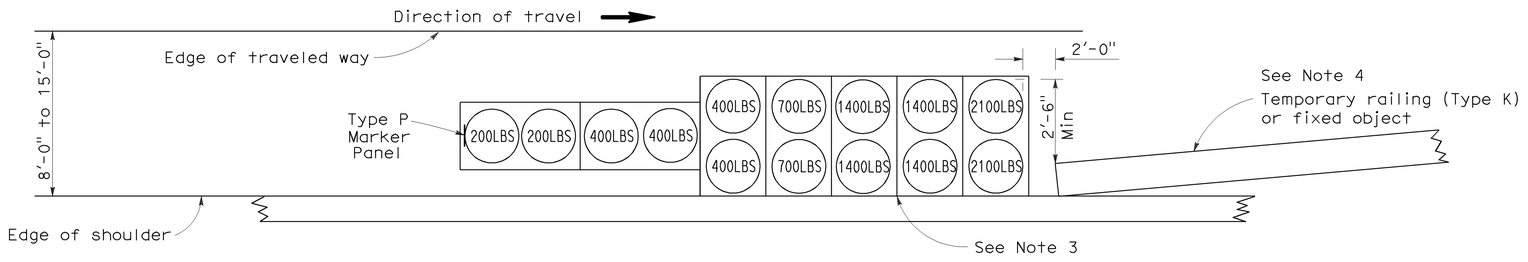
To accompany plans dated 3-7-12



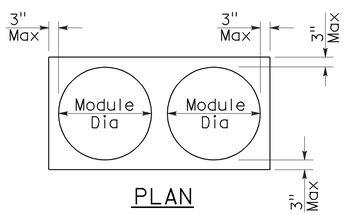
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

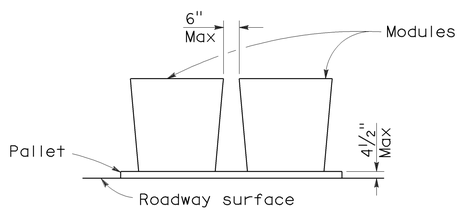


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

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.

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

5-15-08

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla, Nev	80	68.5/69.8 0.0/R2.5	14	18

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

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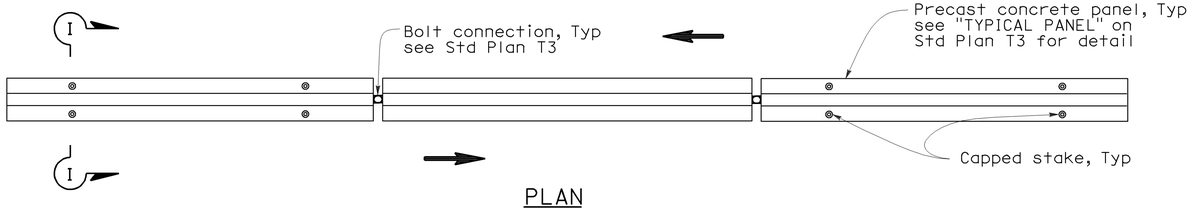
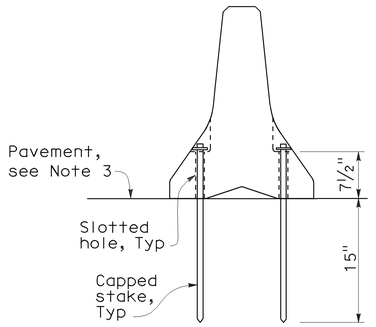
To accompany plans dated 3-7-12



PLAN

RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

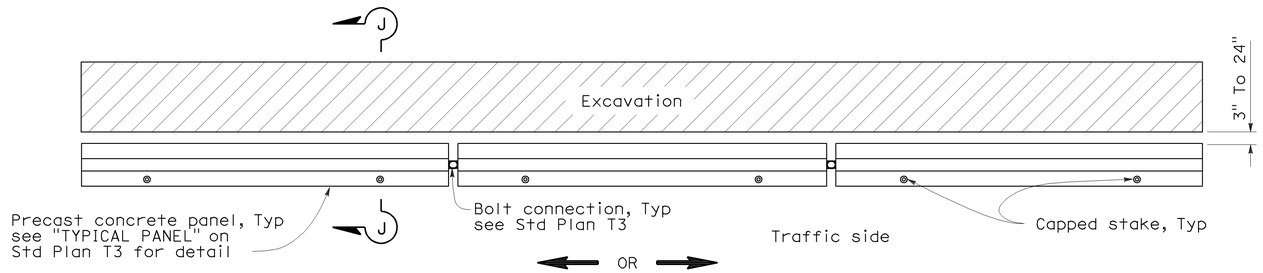
See Note 1



SECTION I-I

NOTES:

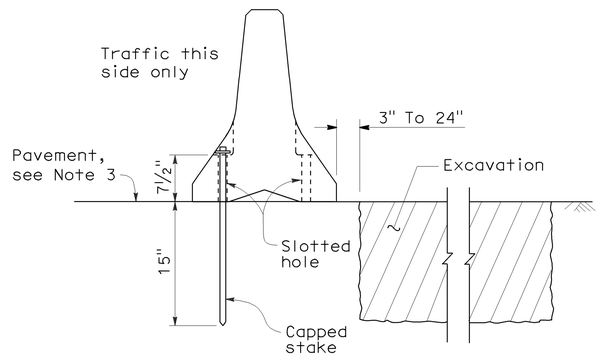
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of 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 ⟹.



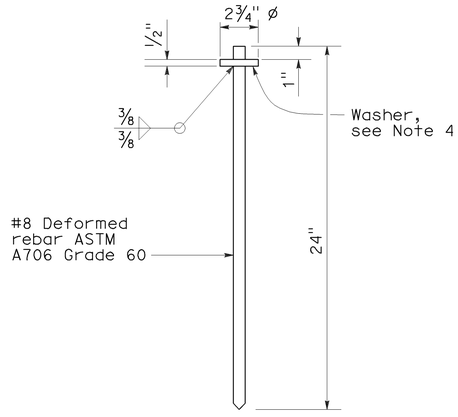
PLAN

RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

See Note 2



SECTION J-J



CAPPED STAKE DETAIL

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.

NEW STANDARD PLAN NSP T3A

2006 NEW STANDARD PLAN NSP T3A

8-31-10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Nev	80	68.5/69.8 0.0/R2.5	15	18

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

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

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To accompany plans dated 3-7-12

ELECTROLIERS

STANDARD TYPES
15, 15D
15 STRUCTURE
21, 21D STRUCTURE
30
31
32
35
36-20A

High mast light pole

Double Arm lighting standard

Existing electrolier

Electrolier foundation (Future installation)

NOTES:

1. 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.
2. Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.
3. 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,
MAS-4B	mas-4B	side attachment - 4 signal section
MAS-4C	mas-4C	
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces,
MAS-5B	mas-5B	side attachment - 5 signal section
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

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

7-10-07

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 (RSP ES-9A C)
R	r	Conduit riser in/on structure or service pole

SERVICE EQUIPMENT

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

POLE-MOUNTED SERVICE DESIGNATION

Type of installation

TYPE H SERVICE - 28'-10" ← Pole height above grade

ILLUMINATED OVERHEAD SIGN

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

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
PV	PV	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
R	Y	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

SIGNAL EQUIPMENT Cont

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

NOTES:

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Nev	80	68.5/69.8 0.0/R2.5	16	18

Jeffery G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

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

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To accompany plans dated 3-7-12

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

7-10-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Nev	80	68.5/69.8 0.0/R2.5	17	18

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EQUIPMENT IDENTIFICATION

ILLUMINATED SIGN IDENTIFICATION NUMBER:

Sign No. 12345 — Sign number - Place on post or structure

10 ISL SCI 1.0
- 1.0 — Transformer rating (kVA)
- SCI — Lighting control type
- ISL — Number and type of fixtures

Do NOT place on standard or structure

ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:

12345 - 15'-0"
- 15'-0" — Mast arm length, if shown. Do not place on standard or structure.
- 12345 — Equipment number - Place on standard or structure. Existing equipment numbers are shown in parenthesis

CONDUIT AND CONDUCTOR IDENTIFICATION:

1½"C, 2#10, 15#14, 2 DLC
- 2#10, 15#14, 2 DLC — Number and size of conductors and cables
- 1½"C — Size of conduit in inches

ø1, ø2, ø2P, etc. — Traffic phase identification for signal faces, detectors and phase diagrams

[1] [2] [3] — Project note numbers

(A) (B) (C) — Equipment description, installation or item numbers

△1 △2 △3 — Conduit run numbers

SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):

19A - 3 - 100
- 100 — Wind velocity = 100 mph
- 3 — Case 3 arm loading
- 19A — Standard type
- Standard Plan sheet number
- Detail number or letter

WIRING DIAGRAM LEGEND

P	Pole
CB	Circuit breaker
A	Ampere
V	Volt
M	Metered
UM	Unmetered
NB	Neutral bus
GB	Ground bus
G	Equipment grounding conductor
N	Grounded conductor (Neutral)

- External conductor
- Conductor or bus
- Tie point
- Contactor coil
- Contactor, Contact NO
- Terminal blocks
- Contactor, Contact NC
- Enclosure bond
- Grounding electrode
- Circuit breaker
- Receptacle

PULL BOXES

PROPOSED	EXISTING	
		Pull box-No. 5 unless otherwise indicated or noted.
3	9A(21)	Pull box-Additional designations or descriptions

3 = No. 3½ pull box
5 = No. 5 pull box
6 = No. 6 pull box
7 = No. 7 (Ceiling pull box)
8 = No. 8 (Pendant soffit pull box)
9 = No. 9 pull box
9A = No. 9A pull box

(C) = Communications pull box
(E) = Pull box with extension
(S) = Sprinkler control pull box
(21) = Anchor bolts and conduit for future installation of Type 21 Standard
(T) = Traffic pull box

MISCELLANEOUS EQUIPMENT

PROPOSED	EXISTING	
CMS	cms	Changeable message sign
		Closed circuit television camera
EMS	ems	Highway advisory radio pole and antenna Extinguishable message sign
M V	m v	Detection device M = Microwave sensor V = Video image sensor

VEHICLE DETECTORS

5 J 9 U
- 5 — Vehicle detector designation
- J — U = Upper, L = Lower
- 9 — Slot number in input file
- U — Input file (I or J)
- Phase

PROPOSED	EXISTING	
		Type A detector loop. Outline of sawcut shown.
		Type B detector loop. Outline of sawcut shown.
		Type C detector loop. Outline of sawcut shown.
		Type D detector loop. Outline of sawcut shown.
		Type E detector loop. Outline of sawcut shown.
		Type Q detector loop. Outline of sawcut shown.
		Magnetic detector
DH	dh	Detector handhole
		Microwave or video detection zone

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.

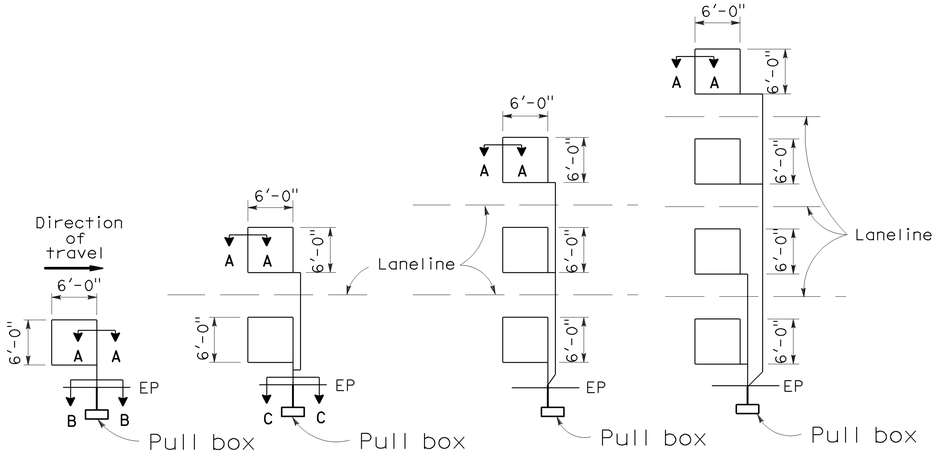
REVISED STANDARD PLAN RSP ES-1C

2006 REVISED STANDARD PLAN RSP ES-1C

7-10-07

LOOP INSTALLATION PROCEDURE

1. Loops shall be centered in lanes.
2. Saw slots in pavement for loop conductors as shown in details.
3. 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.
4. Bottom of saw slot shall be smooth with no sharp edges.
5. Slots shall be washed until clean, blown out and thoroughly dried before installing loop conductors.
6. Adjacent loops on the same sensor unit channel shall be wound in opposite directions.
7. 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.
8. 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.
9. No more than 2 twisted pairs shall be installed in one sawed slot.
10. Allow additional 5'-0" of slack length of conductor for the lead-in run to pull box.
11. 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.
12. Test each loop circuit for continuity, circuit resistance and insulation resistance at the pull box before filling slots.
13. Fill slots as shown in details.
14. Splice loop conductors to lead-in-cable. Splices shall be soldered.
15. 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.
16. Lead-in-cable shall not be spliced between the pull box and the controller cabinet terminals.
17. Test each loop circuit for continuity, circuit resistance and insulation resistance at the controller cabinet location.
18. 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.

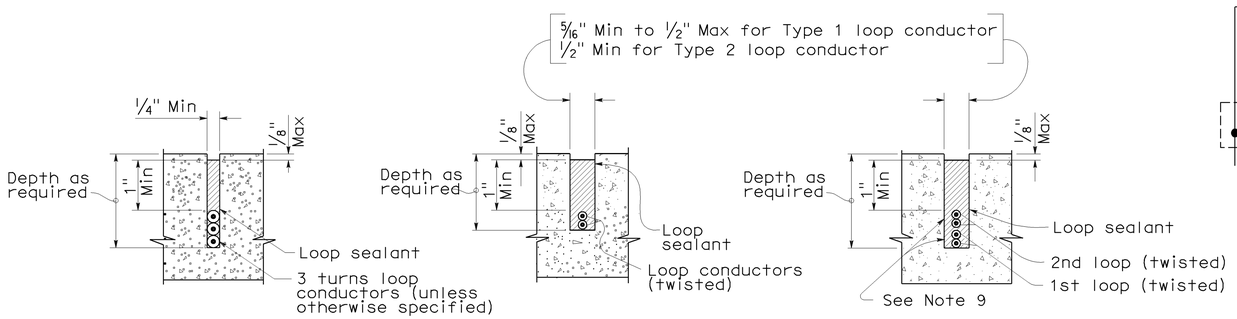


TYPE 1A INSTALLATION | TYPE 2A INSTALLATION | TYPE 3A INSTALLATION | TYPE 4A INSTALLATION

SAWCUT DETAILS

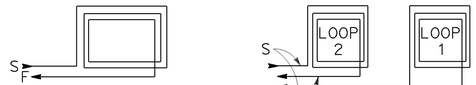
(Type A loop detector configurations illustrated)

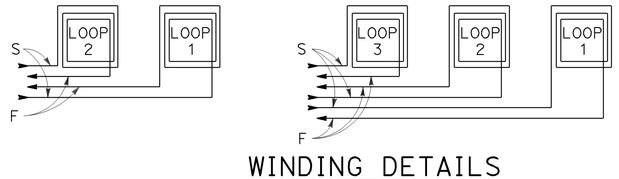
1. 1A thru 4A = 1 Type A loop configuration in each lane.
2. 1B thru 4B = 1 Type B loop configuration in each lane.
3. 1C = 1 Type C loop configuration entering lanes as required.
4. 1D thru 4D = 1 Type D loop configuration in each lane.
5. 1E thru 4E = 1 Type E loop configuration in each lane.
6. 1Q 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)



SECTION A-A | SECTION B-B | SECTION C-C

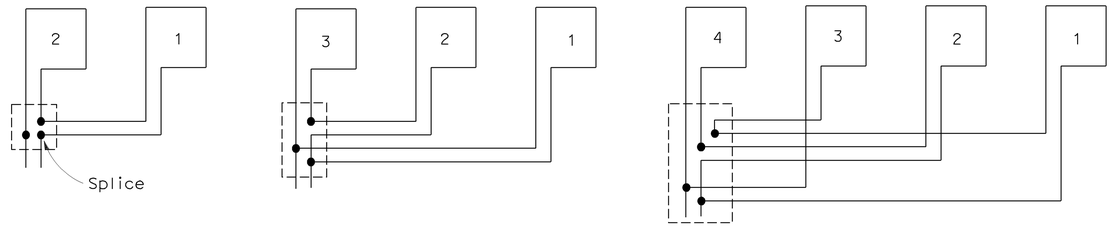
SLOT DETAILS - TYPE 1 AND TYPE 2 LOOP CONDUCTOR





WINDING DETAILS

See Notes 6 and 7



TYPICAL LOOP CONNECTIONS

(Dashed lines represent the pull box)

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REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

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To accompany plans dated 3-7-12

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (DETECTORS)

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

2006 REVISED STANDARD PLAN RSP ES-5A

8-17-07