Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	1	14

INDEX OF PLANS

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

STATE OF CALIFORNIA

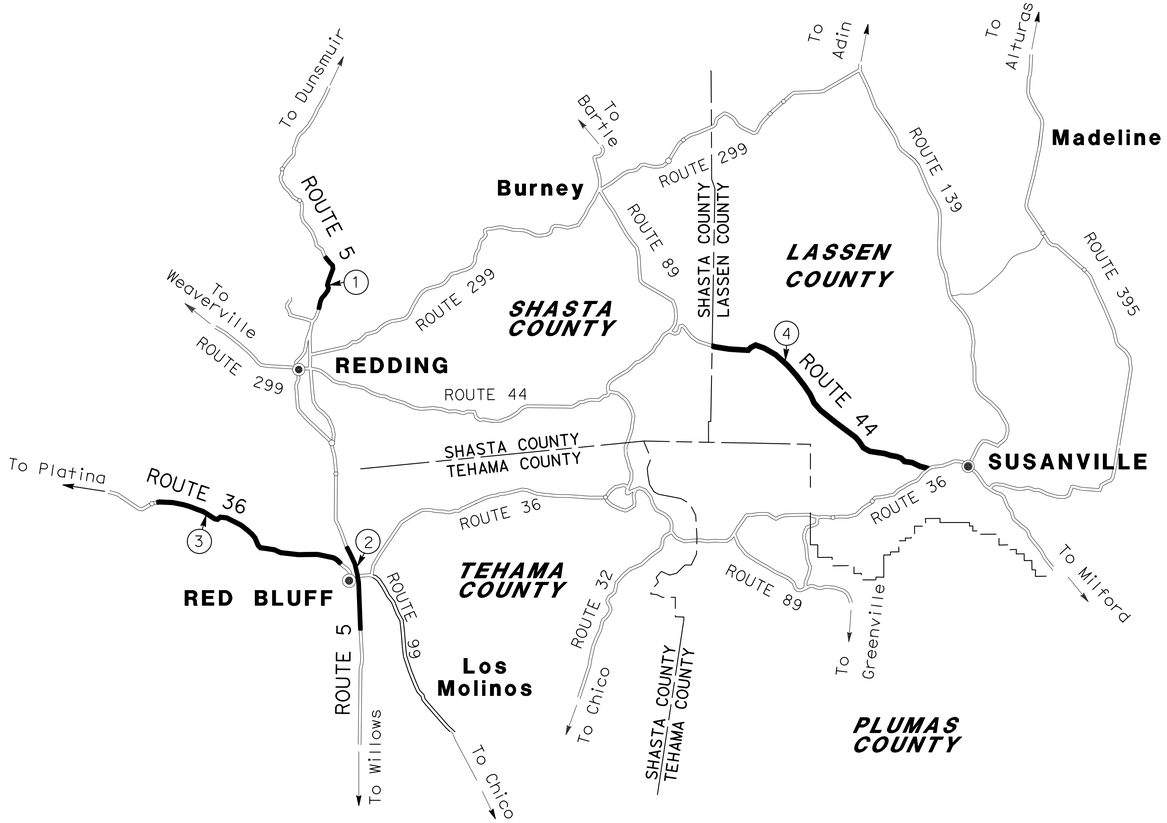
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN LASSEN, SHASTA AND TEHAMA COUNTIES AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



LOCATION MAP

LOCATIONS OF CONSTRUCTION

No.	COUNTY	ROUTE	POST MILE
1	Sha	5	R23.0-R37.5
2	Teh	5	R22.2-37.5
3	Teh	36	11.5-39.7
4	Las	44	0.0-37.3

Denise Fuzzeré 11-09-15
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
DENISE FUZERE
No. C69865
Exp. 09-30-16
CIVIL
STATE OF CALIFORNIA

November 9, 2015
PLANS APPROVAL DATE

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

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

NO SCALE

CONTRACT No.	02-1H1204
PROJECT ID	0215000107

PROJECT MANAGER: MICHAEL CONNER
DESIGN ENGINEER: MICHAEL CONNER

P:\proj3\02\1h120_plans\pse\21h120ab001.dgn

LAST REVISION: DATE PLOTTED => 09-NOV-2015 TIME PLOTTED => 07:33
11-09-15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	2	14

Denise Fuzere' 11-09-15
REGISTERED CIVIL ENGINEER DATE

11-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DENISE FUZERE' — No. C69865 — Exp. 09-30-16 — CIVIL — STATE OF CALIFORNIA

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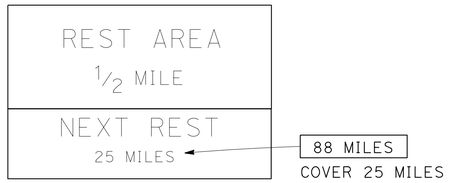
NOTE:

1. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



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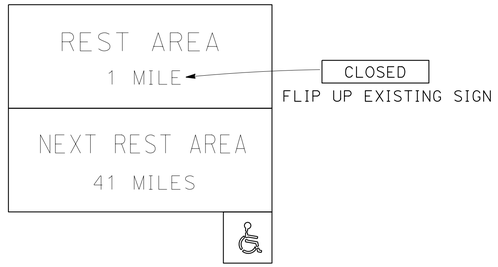
NB 5
PM 13.86
GLENN COUNTY



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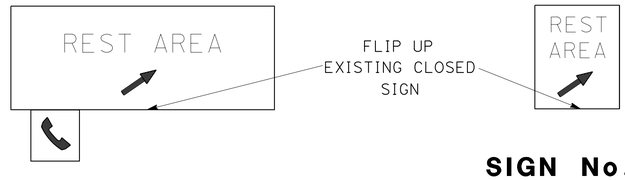

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NB 5
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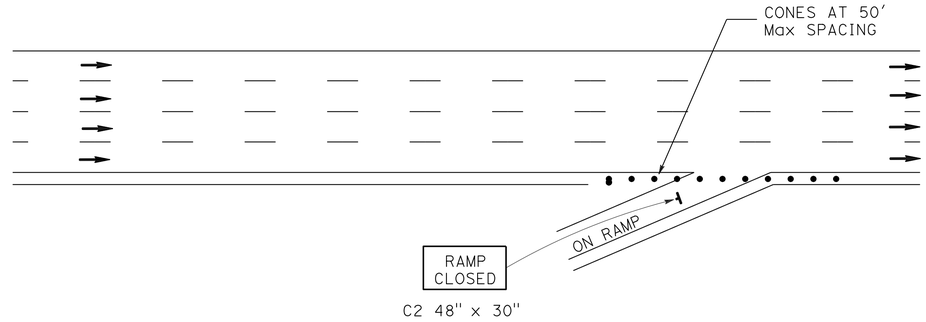
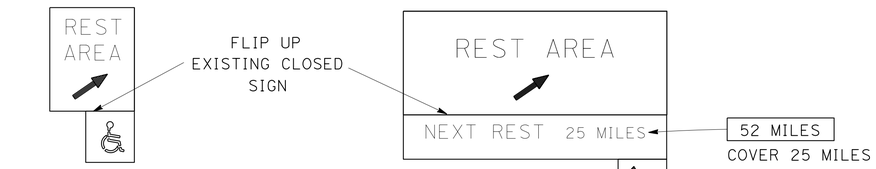
TEHAMA COUNTY

SIGN No. ④
NB 5
PM 33.11
TEHAMA COUNTY



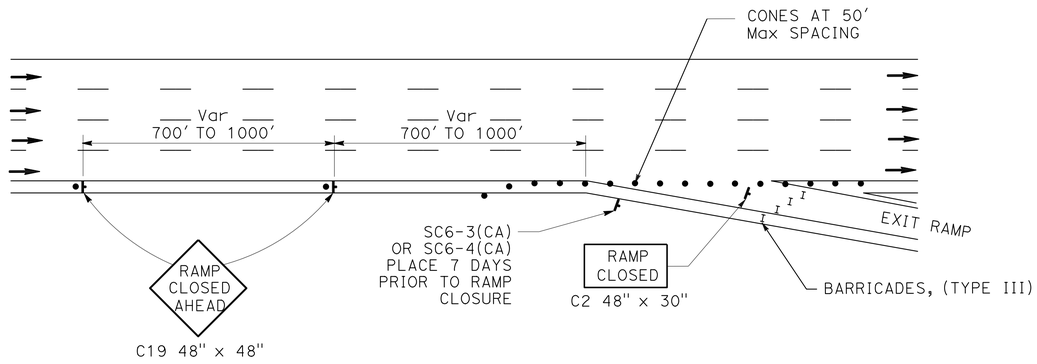
REST AREA ENTRANCE RAMP CLOSURE



SIGN No. ⑤
SB 5
PM 34.92
TEHAMA COUNTY

SIGN No. ⑥
SB 5
PM 35.02
TEHAMA COUNTY

SIGN No. ⑦
SB 5
PM 35.90
TEHAMA COUNTY



REST AREA EXIT RAMP CLOSURE

DETOUR PLAN

NO SCALE **DE-1**

REVISED BY	DATE REVISED
DENISE FUZERE'	KARLIE SMITH
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	MICHAEL CONNER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

P:\proj3\02\1h120_plans\pse\21h120mg001.dgn

LAST REVISION | DATE PLOTTED => 09-NOV-2015
11-09-15 | TIME PLOTTED => 07:33

BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 21h120mg001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02 1500 0107 1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	3	14

Denise Fuzere' 11-09-15
REGISTERED CIVIL ENGINEER DATE

11-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DENISE FUZERE No. C69865 Exp. 09-30-16 CIVIL STATE OF CALIFORNIA

NOTES:

1. PRE-NOTIFICATION PCMS: PLACE NEAR RAMP AND ACTIVATE APPROXIMATELY 12 HOURS PRIOR TO RAMP CLOSURE.

EXIT WILL BE CLOSED	TODAY (or TONIGHT) XX:XXPM - XX:XXAM
FRAME 1	FRAME 2

2. RAMP CLOSED PCMS: MOVE PRE-NOTIFICATION PCMS APPROXIMATELY 1000 FEET BEFORE RAMP AND ACTIVATE DURING RAMP CLOSURE.

EXIT XXX CLOSED	FOLLOW DETOUR
FRAME 1	FRAME 2

3. PLACE 7 DAYS PRIOR TO RAMP CLOSURE.
4. ADD SIGN(S) SPACED EQUALLY BETWEEN INTERCHANGES.
5. IF AVAILABLE, EXISTING ROUTE SHIELDS AND DIRECTIONS MAY BE USED IN PLACE OF SIGNS SHOWN.
6. RAMP CLOSED PCMS: PLACE BEFORE OPEN ENTRANCE RAMP AND ACTIVATE DURING RAMP CLOSURE.

NB (OR SB) I-5 ONRAMP CLOSED	FOLLOW DETOUR
FRAME 1	FRAME 2

7. EXIT NUMBER SHOWN AS FOLLOWS.

EXIT NAME	EXIT NUMBER
MOUTAIN GATE/WONDERLAND Blvd	687
FAWNDALE/WONDERLAND Blvd	689
BRIDGE BAY Rd	690
TURNTABLE BAY Rd	692
PACKERS BAY Rd	693
O'BRIEN REST AREA (NB)	694
O'BRIEN/SHASTA CAVERNS	695
GILMAN Rd	698

EXIT NAME	EXIT NUMBER
WILCOX Rd	652
JELLY'S FERRY Rd	653
RED BLUFF REST AREA	656
HOOKER CREEK Rd	657

8. EXACT SIGN LOCATION TO BE DETERMINED BY THE ENGINEER.
9. EXISTING UTILITY FACILITIES ARE NOT SHOWN ON THESE PLANS.

1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
[EXIT] E Mod; [XXX] E Mod;

EXIT NUMBER SIGN (SP1) DETAIL
(SEE NOTE 7)

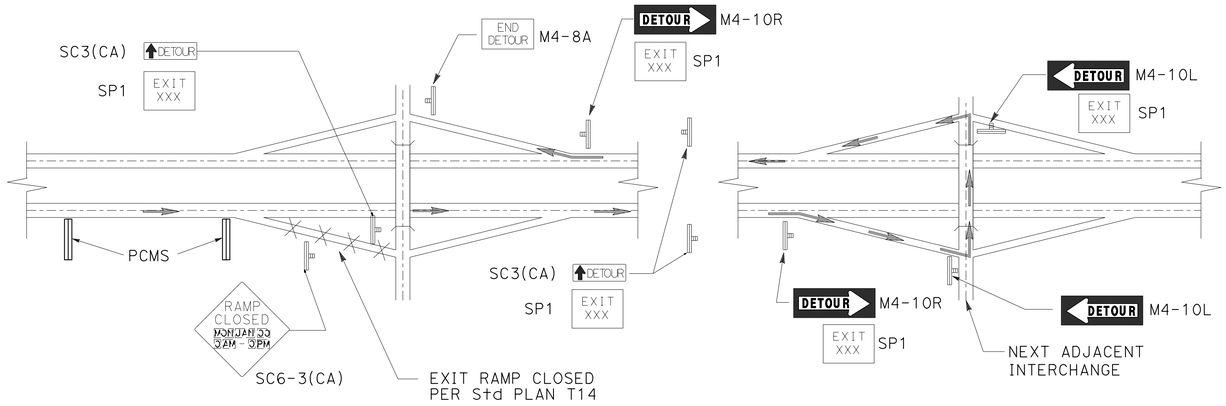
CONSTRUCTION AREA SIGNS (PORTABLE)

CODE	PANEL SIZE	PANEL MESSAGE
G27-2 (5) (CA)	24" x 24"	ROUTE 5
M3-1	24" x 12"	NORTH
M3-3	24" x 12"	SOUTH
M4-8A	24" x 18"	END DETOUR
M4-10L	48" x 18"	DETOUR (L↑ ARROW)
M4-10R	48" x 18"	DETOUR (R↑ ARROW)
SC3 (CA)	48" x 18"	DETOUR (UP ARROW)
SC6-3 (CA)	48" x 48"	RAMP CLOSED
SP1	24" x 30"	EXIT XXX

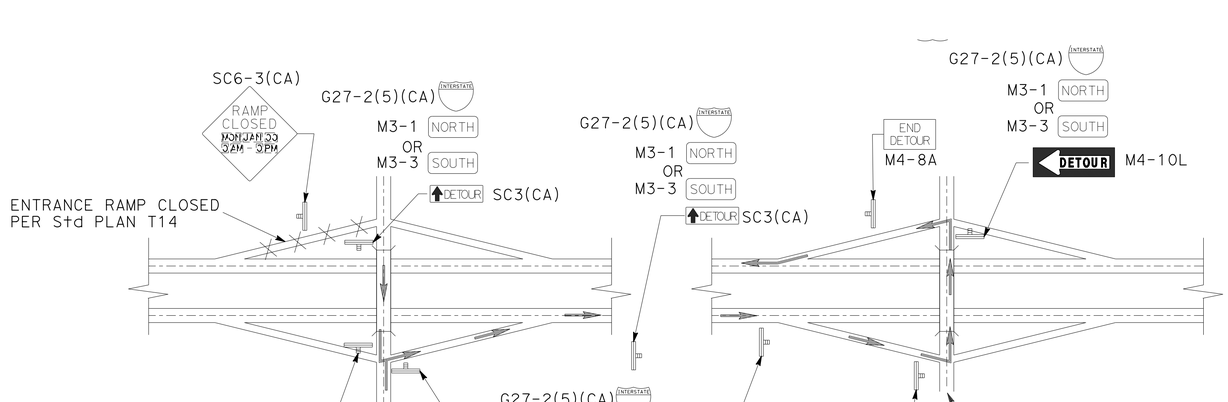
LEGEND:

PORTABLE CHANGABLE MESSAGE SIGN

CONSTRUCTION AREA SIGN (PORTABLE)



TYPICAL EXIT RAMP DETOUR SIGNING



TYPICAL ENTRANCE RAMP DETOUR SIGNING

DETOUR PLAN
NO SCALE
DE-2

REVISED BY | DATE REVISED
DENISE FUZERE' | KARLIE SMITH
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MICHAEL CONNER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 21n120mg002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02 1500 0107 1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	4	14

Denise Fuzere' 11-09-15
REGISTERED CIVIL ENGINEER DATE

11-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DENISE FUZERE'
No. C69865
Exp. 09-30-16
CIVIL
STATE OF CALIFORNIA

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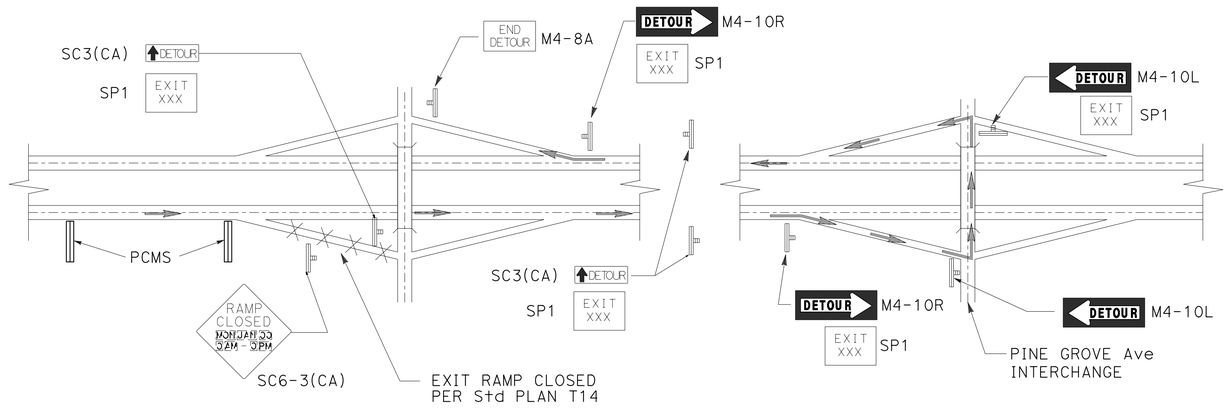
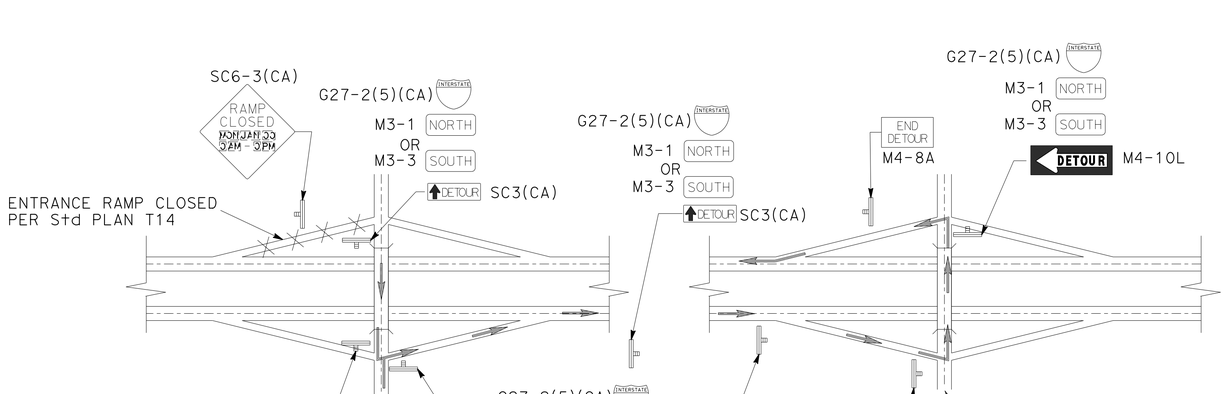


TYPICAL EXIT RAMP DETOUR SIGNING
MOUNTAIN GATE/WONDERLAND Blvd - SB



TYPICAL ENTRANCE RAMP DETOUR SIGNING
MOUNTAIN GATE/WONDERLAND Blvd - NB

DETOUR PLAN
NO SCALE

DE-3

REVISED BY	DATE REVISED

DESIGNED BY: DENISE FUZERE'
CALCULATED-DESIGNED BY: KARLIE SMITH
CHECKED BY:
FUNCTIONAL SUPERVISOR: MICHAEL CONNER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE

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DGN FILE => 21n120mg003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0156
PROJECT NUMBER & PHASE 02 1500 0107 1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	5	14

Denise Fuzere' 11-09-15
REGISTERED CIVIL ENGINEER DATE

11-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — DENISE FUZERE' — No. C69865 — Exp. 09-30-16 — CIVIL — STATE OF CALIFORNIA

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NOTES:

1. EXISTING UTILTIY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
2. NO RECESSED PAVEMENT MARKERS ARE TO BE INSTALLED ON BRIDGE DECKS.
3. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
4. FOR DETAILS NOT SHOWN SEE STANDARD PLANS.

LEGEND:

GRIND AS NECESSARY TO ACCOMODATE NEW MARKER INSTALLED 0" TO 3/16" BELOW TOP OF RECESS

REMOVE PAVEMENT MARKER (N)

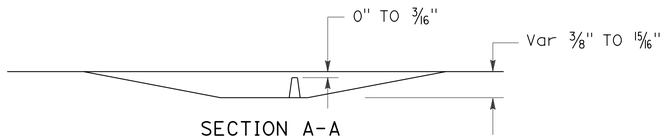
Loc	Co-Rte	PM-PM	EA
1	Sha-5	R23.00-R37.50	7807
2	Teh-5	R22.20-37.50	7777
3	Teh-36	11.50-39.70	10,427
4	Las-44	0.00-37.25	11,006
TOTAL			37,017

PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)

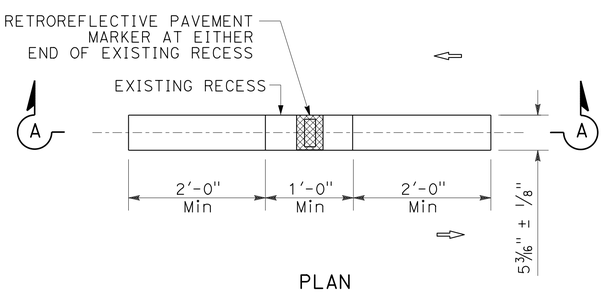
Loc	Co-Rte	PM-PM	TYPE D	TYPE G	TYPE H	NOTES
			EA	EA	EA	
1	Sha-5	R23.00-R37.50		1810	1516	NB MAINLINE
	Sha-5	R23.00-R37.50		270	182	NB RAMPS
	Sha-5	R23.00-R37.50		1954	1512	SB MAINLINE
	Sha-5	R23.00-R37.50		338	225	SB RAMPS
4	Las-44	0.00-37.25	8797	496	1713	MAINLINE
SUBTOTAL			8797	4868	5148	
TOTAL			18,813			

PAVEMENT MARKER (RETROREFLECTIVE)

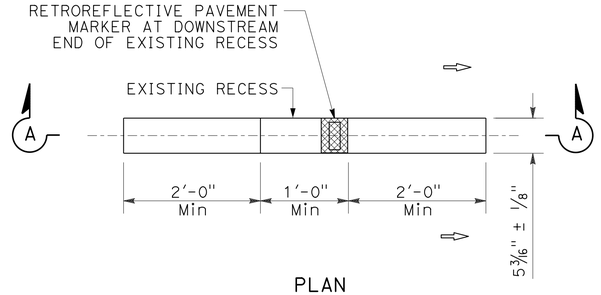
Loc	Co-Rte	PM-PM	TYPE D	TYPE G	TYPE H	NOTES
			EA	EA	EA	
2	Teh-5	R22.20-37.50		1960	1439	NB MAINLINE
	Teh-5	30.75-36.65		517	131	NB RAMPS
	Teh-5	R22.20-37.50		1557	1541	SB MAINLINE
	Teh-5	30.75-36.65		501	131	SB RAMPS
3	Teh-36	11.50-39.70	9799		628	MAINLINE
SUBTOTAL			9799	4535	3870	
TOTAL			18,204			



SECTION A-A



PLAN
TWO WAY TRAFFIC



PLAN
ONE WAY TRAFFIC

PAVEMENT MARKER (RETROREFLECTIVE-RECESSED) IN EXISTING RECESS DETAIL

PAVEMENT DELINEATION DETAILS AND QUANTITIES

NO SCALE

PDQ-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: DENISE FUZERE'
CHECKED BY: KARLIE SMITH
FUNCTIONAL SUPERVISOR: MICHAEL CONNER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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11-09-15
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REGISTERED PROFESSIONAL ENGINEER — DENISE FUZERE' — No. C69865 — Exp. 09-30-16 — CIVIL — STATE OF CALIFORNIA

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EXISTING LOOP DETECTORS TO REMAIN IN PLACE AND OPERATIONAL (N)

Loc	ID No.	Co-Rte-PM	TYPE	DESCRIPTION	EQUIPMENT
1	R28	Sha-5-R23.91	RAMP	MOUNTAIN GATE NB OFF RAMP 188' SOUTH OF MOUNTIAN GATE CENTERLINE	1 LOOP
	R29	Sha-5-R23.92	RAMP	MOUNTAIN GATE SB ON RAMP 188' SOUTH OF MOUNTAIN GATE CENTERLINE	1 LOOP
	R30	Sha-5-R24.24	RAMP	MOUNTAIN GATE SB OFF RAMP 166' NORTH OF MOUNTAIN GATE CENTERLINE	1 LOOP
	R31	Sha-5-R24.26	RAMP	MOUNTAIN GATE NB ON RAMP 170' NORTH OF MOUNTAIN GATE CENTERLINE	1 LOOP
	309	Sha-5-R24.88	WIM	0.8 MILE NORTH OF MOUNTAIN GATE 0.8 MILE NORTH OF MOUNTAIN GATE OC	8 LOOPS
	R32	Sha-5-R25.86	RAMP	FAWNDALE SB ON RAMP 160' UP RAMP FROM END OF GORE	1 LOOP
	R33	Sha-5-R25.88	RAMP	FAWNDALE NB OFF RAMP 122' SOUTH OF LIGHT STANDARD	1 LOOP
	273	Sha-5-R26.035	TREND	FAWNDALE AT NB OFF RAMP SOUTH OF FAWNDALE OC	6 LOOPS
	R34	Sha-5-R26.22	RAMP	FAWNDALE NB ON RAMP 190' OF FAWNDALE CENTERLINE	1 LOOP
	R35	Sha-5-R26.23	RAMP	FAWNDALE 156' NORTH OF FAWNDALE CENTERLINE	1 LOOP
	R37	Sha-5-R27.60	RAMP	BRIDGE BAY SB ON RAMP PB IN GORE OF EB SPLIT TO NB ON AND SB ON	1 LOOP
	R36	Sha-5-R27.62	RAMP	BRIDGE BAY NB OFF RAMP PB AT END OF PAVED GORE BETWEEN NB ON AND OFF	1 LOOP
	R38	Sha-5-R27.62	RAMP	BRIDGE BAY NB ON RAMP IN LINE WITH PB	1 LOOP
	R39	Sha-5-R27.77	RAMP	BRIDGE BAY SB OFF RAMP PB ON RIGHT SHOULDER AT SOUTH END OF MGBR	1 LOOP
	R44	Sha-5-R29.178	RAMP	TURNTABLE BAY SB ON RAMP	1 LOOP
	R40	Sha-5-R29.202	RAMP	TURNTABLE BAY NB OFF RAMP	1 LOOP
	R45	Sha-5-R29.472	RAMP	TURNTABLE BAY SB OFF RAMP	1 LOOP
	R46	Sha-5-R30.511	RAMP	PACKERS BAY SB ON RAMP	1 LOOP
	R47	Sha-5-R30.729	RAMP	PACKERS BAY SB OFF RAMP	1 LOOP
	RA5	Sha-5-R31.033	SRRA	O'BRIEN REST AREA	1 LOOP
	R48	Sha-5-R31.932	RAMP	O'BRIEN/SHASTA CAVERNS SB ON RAMP	1 LOOP
	R42	Sha-5-R31.988	RAMP	O'BRIEN/SHASTA CAVERNS NB OFF RAMP	1 LOOP
	R49	Sha-5-R32.218	RAMP	O'BRIEN/SHASTA CAVERNS SB OFF RAMP	1 LOOP
	R43	Sha-5-R32.296	RAMP	O'BRIEN/SHASTA CAVERNS NB ON RAMP	1 LOOP
	R50	Sha-5-R36.678	RAMP	GILMAN Rd NB OFF RAMP	1 LOOP
	R51	Sha-5-R36.699	RAMP	GILMAN Rd SB ON RAMP	1 LOOP
	R52	Sha-5-R36.95	RAMP	SALT CREEK NB ON RAMP PB BEHIND Fwy ENTRANCE SIGN	1 LOOP
	R53	Sha-5-R36.95	RAMP	SALT CREEK SB OFF RAMP PB ON LEFT SHOULDER BY CAMPING SIGN	1 LOOP
2	R151	Teh-5-R24.47	RAMP	SOUTH RED BLUFF NB OFF RAMP 66' NORTH OF EXIT SIGN	1 LOOP
	R152	Teh-5-R24.57	RAMP	SOUTH RED BLUFF SB ON RAMP 97' NORTH OF MERGE SIGN	1 LOOP
	R153	Teh-5-R24.71	RAMP	SOUTH RED BLUFF NB ON RAMP 18' SOUTH OF MERGE SIGN	1 LOOP
	R154	Teh-5-R24.83	RAMP	SOUTH RED BLUFF SB OFF RAMP 46' SOUTH OF EXIT SIGN	1 LOOP
	R155	Teh-5-R25.12	RAMP	DIAMOND Ave NB OFF RAMP 10' NORTH OF MERGE SIGN	1 LOOP
	R156	Teh-5-R25.15	RAMP	DIAMOND Ave SB OFF RAMP 51' SOUTH OF EXIT SIGN	1 LOOP
	R157	Teh-5-R26.435	RAMP	5/36 Sep NB OFF RAMP 141' NORTH OF OH SIGN 26.490	2 LOOPS
	R158	Teh-5-R26.509	RAMP	5/36 Sep SB ON RAMP FROM EB PB AT FREEWAY ENTRANCE SIGN	1 LOOP
	R160	Teh-5-R26.514	RAMP	5/36 Sep ON RAMP FROM EB PB AT FREEWAY ENTRANCE SIGN	1 LOOP
	R162	Teh-5-R26.532	RAMP	5/36 Sep SB ON RAMP FROM WB 14' WEST OF GORE POINT	1 LOOP
	R163	Teh-5-R26.535	RAMP	5/36 Sep NB ON RAMP FROM WB 71' WEST OF GORE POINT	1 LOOP
	R164	Teh-5-R26.598	RAMP	5/36 Sep SB OFF RAMP 315' SOUTH OF OH SIGN CHICO	2 LOOPS
	R225	Teh-5-R27.280	RAMP	ADOBE Rd SB ON RAMP 48' NORTH OF EXIT 650 SIGN IN GORE	1 LOOP
	R222	Teh-5-R27.444	RAMP	ADOBE Rd NB OFF RAMP 109' SOUTH OF ADOBE Rd CENTERLINE	1 LOOP
	R223	Teh-5-R27.485	RAMP	ADOBE Rd NB ON RAMP 212' NORTH OF ADOBE Rd CENTERLINE	1 LOOP

NOTES:

1. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
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LOOP DETECTORS TO REMAIN IN PLACE AND OPERATIONAL (N)

Loc	ID No.	Co-Rte-PM	TYPE	DESCRIPTION	EQUIPMENT
2	R224	Teh-5-R27.550	RAMP	ADOBE Rd SB OFF RAMP 451' NORTH OF ADOBE Rd CENTERLINE	1 LOOP
	R166	Teh-5-R28.53	RAMP	HESS Rd/OLD 99 SB OFF RAMP 35' SOUTH OF EXIT SIGN IN GORE	1 LOOP
	R167	Teh-5-R28.589	RAMP	NORTH RED BLUFF NB ON RAMP LOOP TERMINATES 1,339' NORTH OF NORTH RED BLUFF OC	2 LOOPS 1 PIEZO
	R168	Teh-5-30.869	RAMP	WILCOX Rd SB ON RAMP 354' SOUTH OF WILCOX Rd	1 LOOP
	R169	Teh-5-30.891	RAMP	WILCOX Rd NB OFF RAMP 400' SOUTH OF WILCOX Rd	1 LOOP
	202	Teh-5-30.12	TREND	WILCOX Rd 1,339' NORTH OF NORTH RED BLUFF OC	12 LOOPS 6 PIEZOS
	R170	Teh-5-31.20	RAMP	WILCOX Rd SB OFF RAMP 373' NORTH OF WILCOX Rd	1 LOOP
	R171	Teh-5-31.205	RAMP	WILCOX Rd NB ON RAMP 294' NORTH OF WILCOX Rd	1 LOOP
	R172	Teh-5-32.064	RAMP	JELLYS FERRY NB OFF RAMP 111' SOUTH OF JELLYS FERRY	1 LOOP
	R173	Teh-5-32.073	RAMP	JELLYS FERRY SB ON RAMP 1,254' NORTH OF END OF PAVED GORE	1 LOOP
	R174	Teh-5-32.356	RAMP	JELLYS FERRY NB ON RAMP 256' NORTH OF JELLYS FERRY Rd CENTERLINE	1 LOOP
	R175	Teh-5-32.425	RAMP	JELLYS FERRY SB OFF RAMP 218' NORTH EAST OF JELLYS FERRY Rd CENTERLINE	1 LOOP
	RA3	Teh-5-33.431	RAMP	RED BLUFF REST AREA	1 LOOP
	RA4	Teh-5-34.92	RAMP	RED BLUFF REST AREA SB RED BLUFF REST AREA OFF RAMP	2 LOOPS
	R176	Teh-5-36.129	RAMP	HOOKER CREEK NB OFF RAMP	1 LOOP
	R177	Teh-5-36.275	RAMP	HOOKER CREEK SB ON RAMP	1 LOOP
	R178	Teh-5-36.524	RAMP	HOOKER CREEK SB OFF RAMP	1 LOOP
	R179	Teh-5-36.538	RAMP	HOOKER CREEK NB ON RAMP	1 LOOP
3	110	Teh-36-R22.05	CONTROL	BOWMAN Rd PB ON WB SHOULDER BEHIND MBGR AT OAK HILL RANCH	2 LOOPS
	274	Teh-36-R30.025	CONTROL	CANNON Rd 132' EAST OF PM 30.00	2 LOOPS
	216	Teh-36-39.412	CONTROL	BAKER Rd 590' EAST OF McCOY Rd AT 206.30 36W	2 LOOPS
4	RA11	Las-44-14.53	SRRA	BOGARD REST AREA	1 LOOP
	139	Las-44-19.29	PROFILE	COUNTY Rd A-21 BEFORE COUNTY Rd A-21	2 LOOPS
	120	Las-44-37.247	TREND	Jct Rte 36 1,796' WEST OF Jct 36	2 LOOPS 4 PIEZOS

ELECTRICAL DETAILS

E-1

REVISED BY | DATE REVISED
DENISE FUZERE' | KARLIE SMITH
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | MICHAEL CONNER
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | MAINTENANCE

LAST REVISION | DATE PLOTTED => 09-NOV-2015
11-09-15 | TIME PLOTTED => 07:33

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BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 21h120ua001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02 1500 0107 1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	7	14

Denise Fuzere' 11-09-15
REGISTERED CIVIL ENGINEER DATE

11-09-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DENISE FUZERE'
No. C69865
Exp. 09-30-16
CIVIL
STATE OF CALIFORNIA

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NOTE:

1. EXISTING UTILTIY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS TO BE MAINTAINED

Loc	Co-Rte-PM	TYPE	DESCRIPTION
1	Sha-5-R26.02	CCTV	FAWNDALE OC
	Sha-5-R28.20	CCTV	PIT RIVER BRIDGE
	Sha-5-R29.97	CMS	SIDEHILL (VIADUCT) FOR SB TRAFFIC, CURVE WARNING
	Sha-5-R29.97	CCTV	SIDEHILL (VIADUCT)
	Sha-5-R32.22	CMS	O'BRIEN FOR SB TRAFFIC, CURVE WARNING
	Sha-5-R32.22	CCTV	O'BRIEN
	Sha-5-R36.10	CMS	BLACK OAK (SOUTH OF GILMAN Rd OC) FOR NB TRAFFIC
	Sha-5-R37.44	CCTV	SALT CREEK (NEAR GILMAN Rd)
	Sha-5-R37.47	CMS	SALT CREEK FOR SB TRAFFIC, CURVE WARNING
	Sha-5-R37.94	RWIS	ANTLERS SUMMIT OC NB (1) PUCK AT PM R37.93 SB (1) PUCK AT PM R37.93 SB (1) SUBSURFACE PROBE AT PM R37.93
2	Teh-5-R23.38	CMS	RIVERSIDE OC
	Teh-5-R25.21	HAR FLASHER	DIAMOND Ave FOR NB TRAFFIC
	Teh-5-R26.53	CCTV	RED BLUFF (SR 36/I5 Jct)
	Teh-5-R26.58	HAR	RED BLUFF (SR 36/I5 Jct)
	Teh-5-R28.38	CCTV	NORTH RED BLUFF
	Teh-5-30.97	CCTV	WILCOX Rd OC (NB)
	Teh-5-31.05	CMS	WILCOX Rd OC
	Teh-5-31.06	CCTV	WILCOX Rd OC (SB)
	Teh-5-32.22	CCTV	JELLYS FERRY
3	NO EXISTING TMS ELEMENTS WITHIN THESE LIMITS		
4	Las-44-14.72	CCTV	BOGARD SRRA
	Las-44-14.72	RWIS	BOGARD SRRA EB (1) PUCK AT PM 14.67 EB (1) SUBSURFACE PROBE AT PM 14.67 WB (1) PUCK AT PM 14.68

REVISED BY | DATE REVISED
DENISE FUZERE' | KARLIE SMITH
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | MICHAEL CONNER
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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LAST REVISION 11-09-15 | DATE PLOTTED => 09-NOV-2015 | TIME PLOTTED => 07:33

ELECTRICAL DETAILS

E-2

BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 21h120ua002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02 1500 0107 1

M

Maint	MAINTENANCE
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
Min	MINIMUM
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
Mod	MODIFIED,
	MODIFY
Mon	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MR	MOVEMENT RATING
MSE	MECHANICALLY STABILIZED EMBANKMENT
Mt	MOUNTAIN, MOUNT
Mtl	MATERIAL
MVP	MAINTENANCE VEHICLE PULLOUT

N

N	NORTH
NB	NORTHBOUND
No.	NUMBER (MUST HAVE PERIOD)
Nos.	NUMBERS (MUST HAVE PERIOD)
NPS	NOMINAL PIPE SIZE
NS	NEAR SIDE
NSP	NEW STANDARD PLAN
NTS	NOT TO SCALE

O

Oblr	OBLITERATE
OC	OVERCROSSING
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OGFC	OPEN GRADED FRICTION COURSE
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
O-O	OUT TO OUT
Opp	OPPOSITE
OSD	OVERSIDE DRAIN

P

P	PAGE
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX
PC	POINT OF CURVATURE,
	PRECAST
PCC	POINT OF COMPOUND CURVE,
	PORTLAND CEMENT CONCRETE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
PCP	PERFORATED CONCRETE PIPE,
	PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PEC	PERMIT TO ENTER AND CONSTRUCT
Ped	PEDESTRIAN
Ped OC	PEDESTRIAN OVERCROSSING
Ped UC	PEDESTRIAN UNDERCROSSING
Perm Mtl	PERMEABLE MATERIAL

P continued

PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkwy	PARKWAY
℄,PL	PLATE
P/L	PROPERTY LINE
PM	POST MILE,
	TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POC	POINT OF HORIZONTAL CURVE
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE,
	PLASTIC PIPE,
	POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS, P/S	PRESTRESSED
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT

Q

Qty	QUANTITY

R

R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
Rd	ROAD
Reinf	REINFORCED,
	REINFORCEMENT,
	REINFORCING
Rel	RELOCATE
Repl	REPLACEMENT
Ret	RETAINING
Rev	REVISED, REVISION
Rdwy	ROADWAY
RHMA	RUBBERIZED HOT MIX ASPHALT
Riv	RIVER
RM	ROAD-MIXED
RP	RADIUS POINT,
	REFERENCE POINT
RR	RAILROAD
RSP	ROCK SLOPE PROTECTION,
	REVISED STANDARD PLAN
Rt	RIGHT
Rte	ROUTE
RW	REDWOOD,
	RETAINING WALL
R/W	RIGHT OF WAY
Rwy	RAILWAY

S

S	SOUTH,
	SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
Salv	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND
SC	SAND CUSHION
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
Sec	SECOND,
	SECTION
Sep	SEPARATION
SG	SUBGRADE
Shld	SHOULDER
Sht	SHEET
Sim	SIMILAR
℄	STATION LINE
SM	SELECTED MATERIAL
Spec	SPECIAL,
	SPECIFICATIONS
SPP	SLOTTED PLASTIC PIPE
SS	SLOPE STAKE
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
St	STREET
Sta	STATION
STBB	SINGLE THRIE BEAM BARRIER
Std	STANDARD
Str	STRUCTURE
Surf	SURFACING
SW	SIDEWALK,
	SOUND WALL
Swr	SEWER
Sym	SYMMETRICAL
S4S	SURFACE 4 SIDES

T

T	SEMI-TANGENT
Tan	TANGENT
TBB	THRIE BEAM BARRIER
Tbr	TIMBER
TC	TOP OF CURB
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
Tel	TELEPHONE
Temp	TEMPORARY
TG	TOP OF GRADE
Tot	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
Trans	TRANSITION

T continued

TS	TRANSVERSE,
	TRAFFIC SIGNAL,
	TUBULAR STEEL
Typ	TYPICAL

U

UC	UNDERCROSSING
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS

V

V	VALVE,
	DESIGN SPEED
Var	VARIABLE,
	VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Vert	VERTICAL
Via	VIADUCT
Vol	VOLUME

W

W	WEST,
	WIDTH
WB	WESTBOUND
WH	WEEP HOLE
WM	WIRE MESH
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
Wt	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE

X

X Sec	CROSS SECTION
Xing	CROSSING

Y

Yr	YEAR
Yrs	YEARS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	8	14

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Grace M. Tsushima — No. C49814 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 11-09-15

UNIT OF MEASUREMENT SYMBOLS:

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

TABLE A

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

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

TABLE B

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

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ABBREVIATIONS (SHEET 2 OF 2)

NO SCALE

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

REVISED STANDARD PLAN RSP A10B

2010 REVISED STANDARD PLAN RSP A10B

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6-7-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	9	14

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

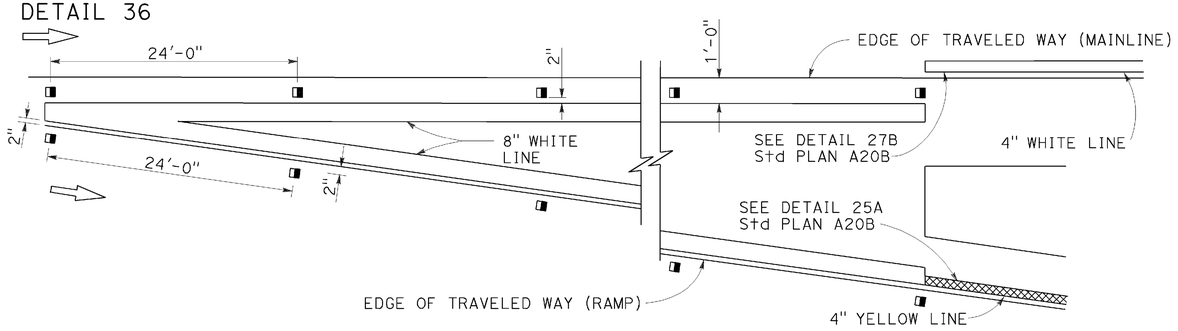
July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-15
CIVIL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 11-09-15

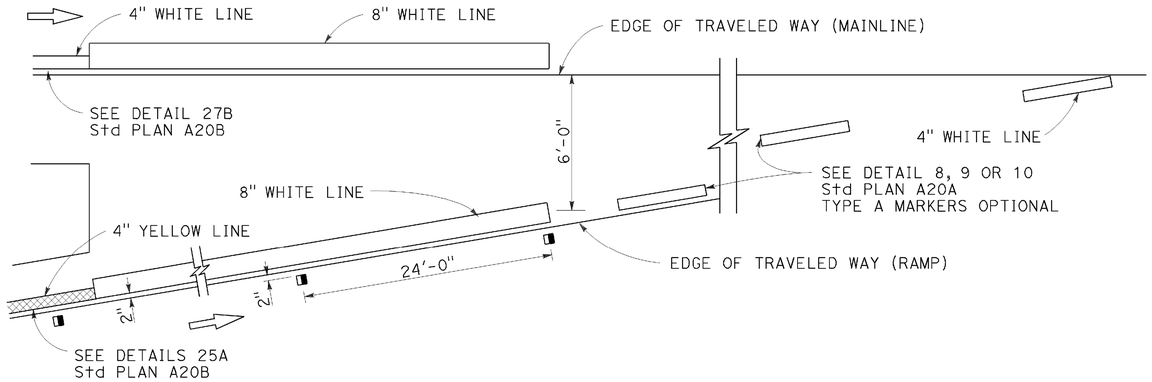
EXIT RAMP NEUTRAL AREA (GORE) TREATMENT

DETAIL 36



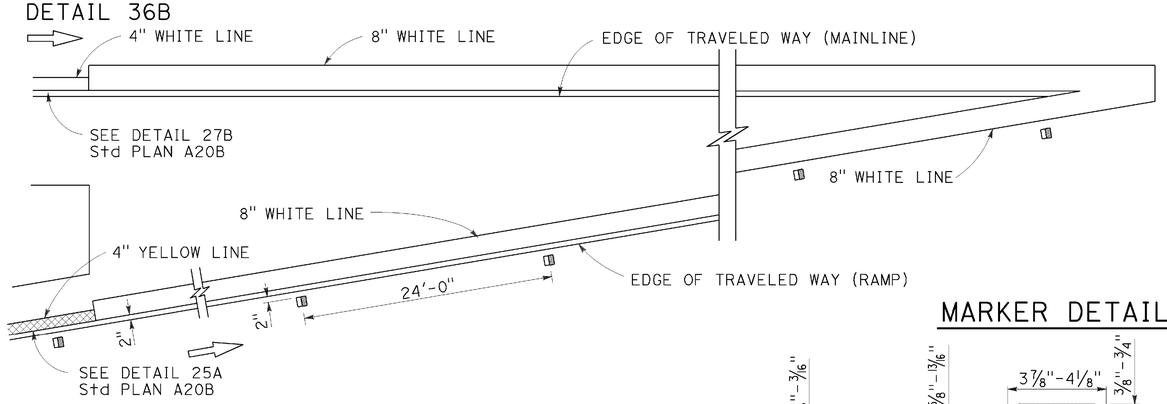
ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT

DETAIL 36A



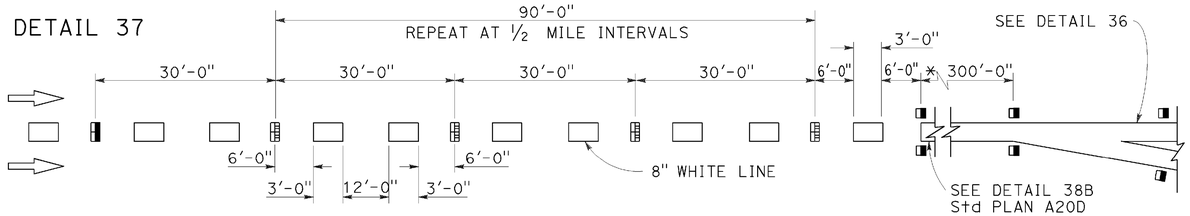
ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT

DETAIL 36B

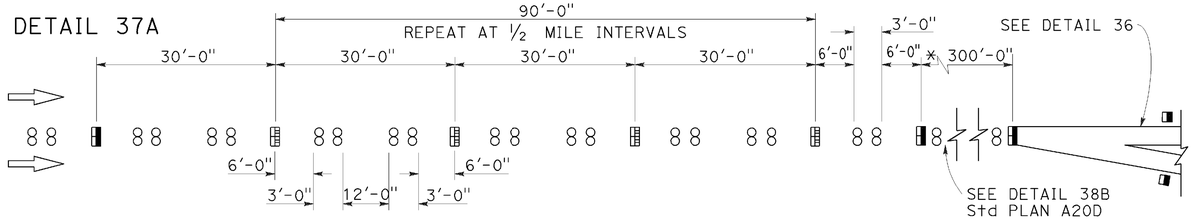


LANE DROP AT EXIT RAMPS

DETAIL 37



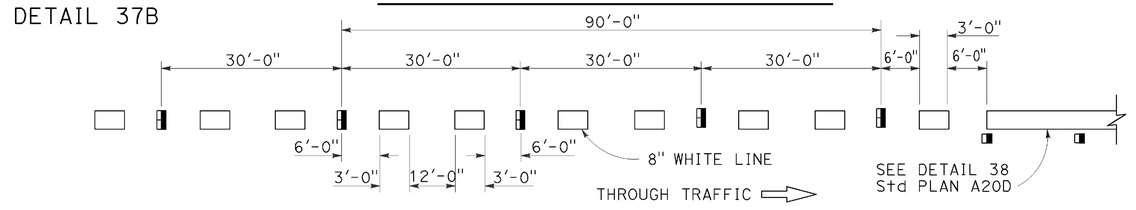
DETAIL 37A



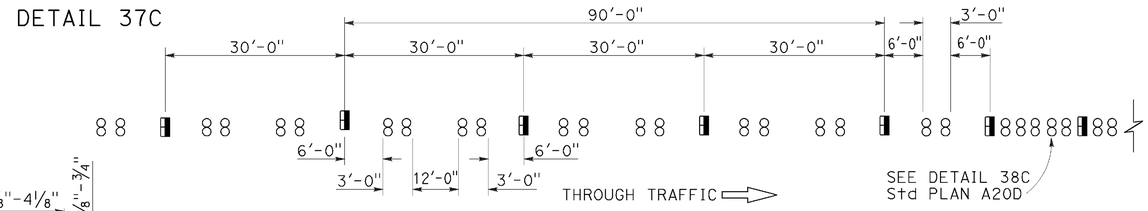
* The solid channelizing line shown may be omitted on short auxiliary lanes where weaving length is critical.

LANE DROP AT INTERSECTIONS

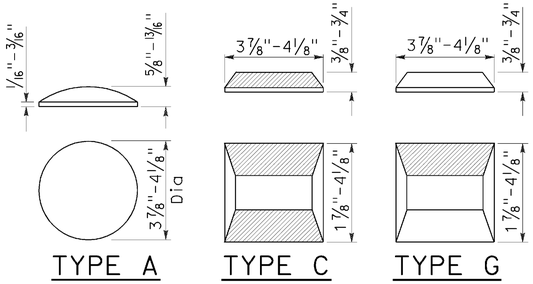
DETAIL 37B



DETAIL 37C



MARKER DETAILS



LEGEND:

MARKERS

- ○ TYPE A WHITE NON-REFLECTIVE
- ▣ TYPE C RED-CLEAR RETROREFLECTIVE
- ◨ TYPE G ONE-WAY CLEAR RETROREFLECTIVE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINE TYPICAL DETAILS

NO SCALE

RSP A20C DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A20C DATED MAY 20, 2011 - PAGE 11 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A20C

2010 REVISED STANDARD PLAN RSP A20C

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4-29-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	10	14

REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 11-09-15

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
					X	Y	Z **
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	55	110	27
60	1440	720	360	240	60	120	30
65	1560	780	390	260	65	130	32
70	1680	840	420	280	70	140	35

* - For other offsets, use the following merging taper length formula for L:
For speed of 40 mph or less, $L = WS^2/60$
For speed of 45 mph or more, $L = WS$

Where: L = Taper length in feet
W = Width of offset in feet
S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Longitudinal buffer space or flagger station spacing

*** - Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommmended distances.

2010 REVISED STANDARD PLAN RSP T9

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TABLES FOR LANE AND RAMP CLOSURES

NO SCALE

RSP T9 DATED JULY 19, 2013 SUPERSEDES RSP T9 DATED APRIL 19, 2013 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T9

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P:\proj3\02\1h120_plans\pse\21h120va003.dgn

4-30-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	11	14

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Gurinderpal Bhullar — No. C48815 — Exp. 9-30-14 CIVIL — STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 11-09-15

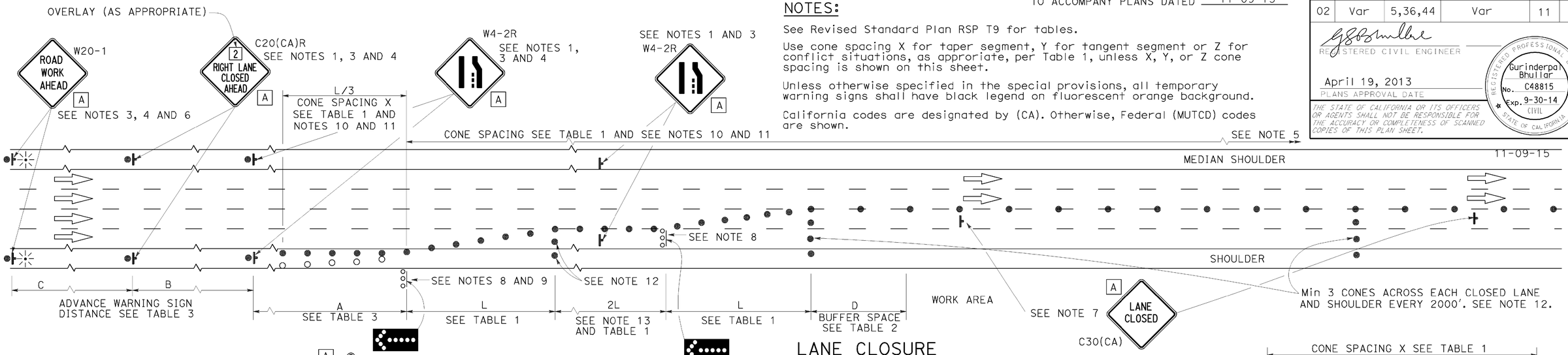
NOTES:

See Revised Standard Plan RSP T9 for tables.

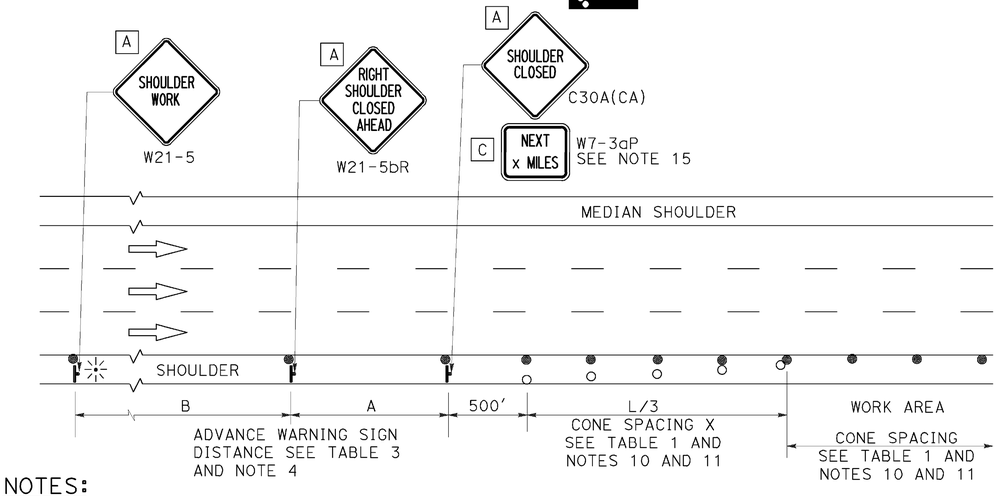
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

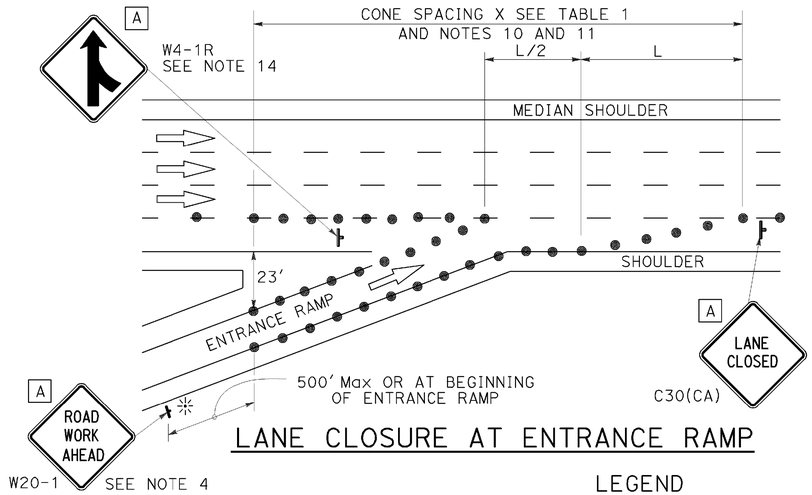
Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

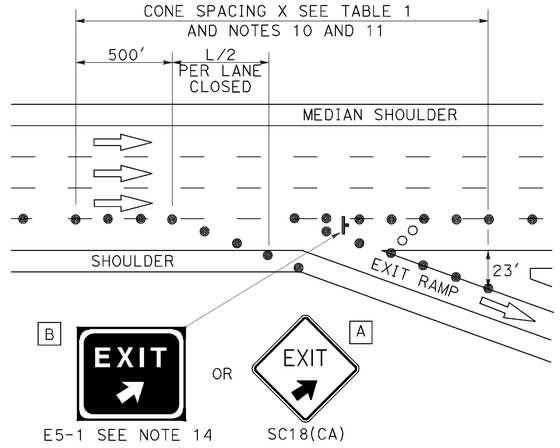


LANE CLOSURE





LANE CLOSURE AT ENTRANCE RAMP



LANE CLOSURE AT EXIT RAMP

NOTES:

1. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Duplicate sign installations are not required:
   a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
   b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
5. A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.

SHOULDER CLOSURE

6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
7. Place a C30(CA) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
10. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
15. A W7-3aP "NEXT____MILES" plaque must be used if theshoulder closure extends beyond the distance that can be perceived by road users.

LEGEND

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

SIGN PANEL SIZE (Min)

A	48" x 48"
B	72" x 60"
C	36" x 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10

2010 REVISED STANDARD PLAN RSP T10

DATE PLOTTED => 09-NOV-2015
TIME PLOTTED => 07:34

USERNAME => s115152
DGN FILE => 21h120va004.dgn

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12-18-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	12	14

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

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

TO ACCOMPANY PLANS DATED 11-09-15

LEGEND

- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

- A 48" × 48"
- B 24" × 24"
- C 36" × 18"

NOTES:

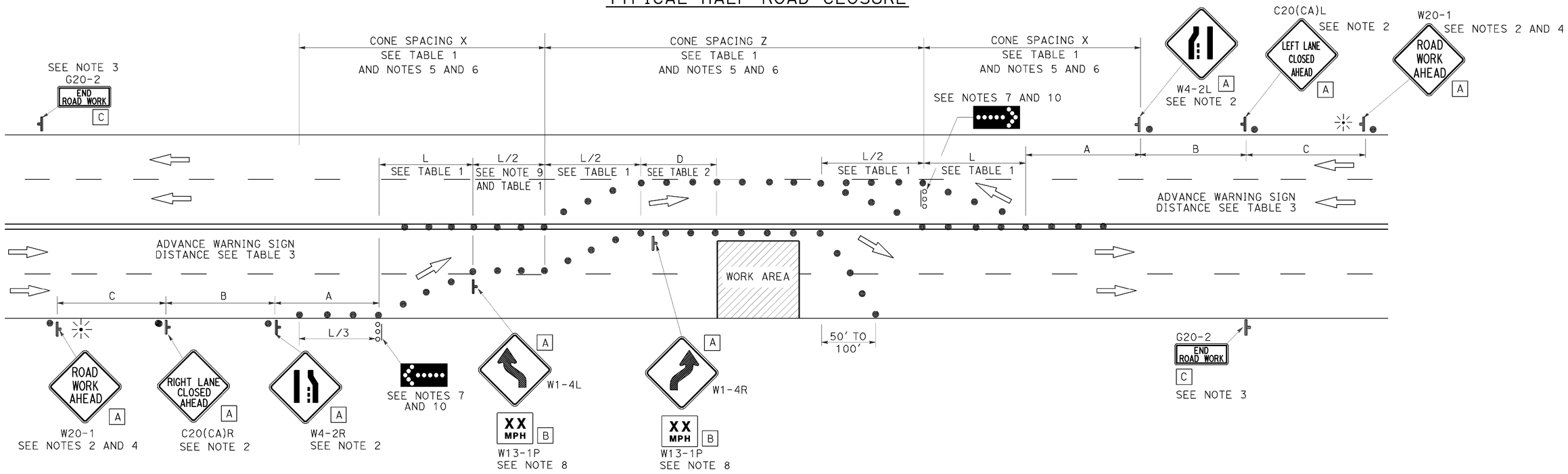
See Revised Standard Plan RSP T9 for tables.

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

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

TYPICAL HALF ROAD CLOSURE



NOTES:

1. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.
2. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
4. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Flashing arrow signs shall be either Type I or Type II.
8. Advisory speed will be determined by the Engineer. The W13-1P Plaque will not be required when advisory speed is more than the posted or maximum speed limit.
9. Unless otherwise specified in the special provisions, the tangent (L/2) shall be used.
10. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR HALF ROAD CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS AND EXPRESSWAYS

NO SCALE

RSP T12 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T12
DATED MAY 20, 2011 - PAGE 240 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T12

2010 REVISED STANDARD PLAN RSP T12

DATE PLOTTED => 09-NOV-2015
TIME PLOTTED => 07:34

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DGN FILE => 21h120va005.dgn

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4-2-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	13	14

Devinder Singh
REGISTERED CIVIL ENGINEER

October 30, 2015
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Devinder Singh — No. C50470 — Exp. 6-30-17 — CIVIL — STATE OF CALIFORNIA

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

TO ACCOMPANY PLANS DATED 11-09-15

NOTES:

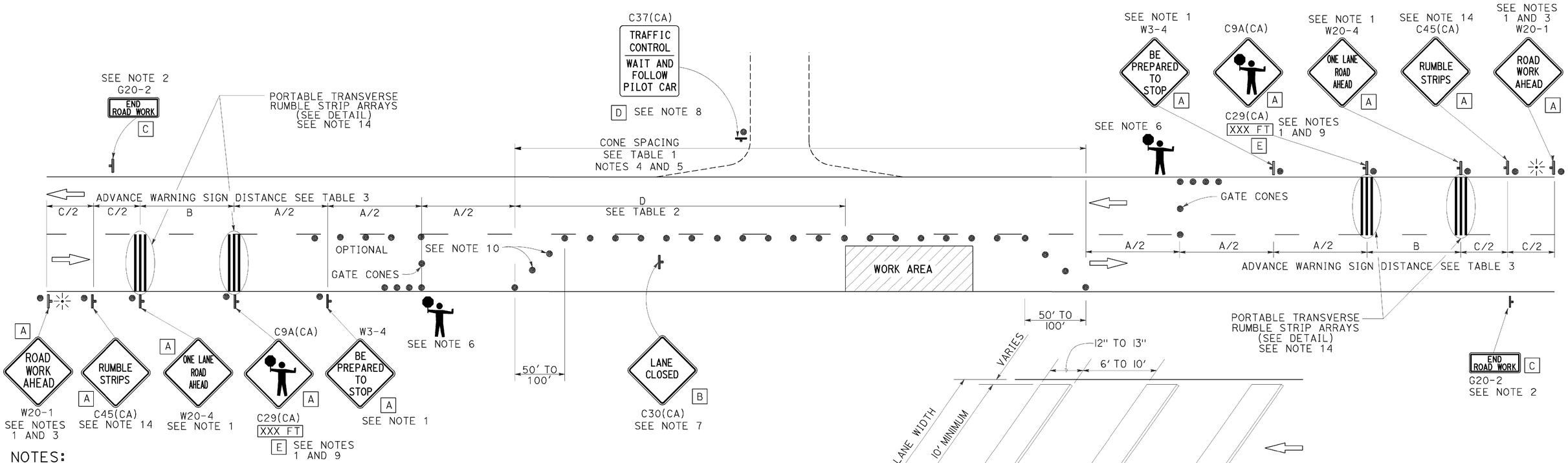
See Revised Standard Plan RSP T9 for tables.

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

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



NOTES:

1. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
2. A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
3. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a W20-4 sign for the first advance warning sign.
4. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
5. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
6. Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
7. Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
8. When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within traffic control area. Signs shall be clean and visible at all times. Where traffic can not be effectively self-regulated, at least one flagger shall be used at each intersection within traffic control area.
9. An optional C29(CA) sign may be placed below the C9A(CA) sign.
10. Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.
11. The color of the portable transverse rumble strips shall be black or orange. Use 2 arrays, each array shall consist of 3 rumble strips.
12. Portable transverse rumble strips shall not be placed on sharp horizontal or vertical curves nor shall they be placed through pedestrian crossings.
13. If the portable transverse rumble strips become out of alignment (skewed) by more than 6 inches, measured from one end to the other, they shall be readjusted to bring the placement back to the original location.
14. Portable transverse rumble strips are not required if any one of the following conditions is satisfied:
    A. Work duration occupies a location for four hours or less
    B. Posted speed limit is below 45 MPH
    C. Work is of emergency nature
    D. Work zone is in snow or icy weather conditions

PORTABLE TRANSVERSE RUMBLE STRIP ARRAY DETAIL

SIGN PANEL SIZE (Min)

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

LEGEND

- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- PORTABLE FLASHING BEACON
- FLAGGER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

RSP T13 DATED OCTOBER 30, 2015 SUPERSEDES RSP T13 DATED OCTOBER 17, 2014, RSP T13 DATED JULY 18, 2014 AND RSP T13 DATED APRIL 19, 2013 AND STANDARD PLAN T13 DATED MAY 20, 2011 - PAGE 241 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T13

2010 REVISED STANDARD PLAN RSP T13

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TIME PLOTTED => 07:35

USERNAME => s115152
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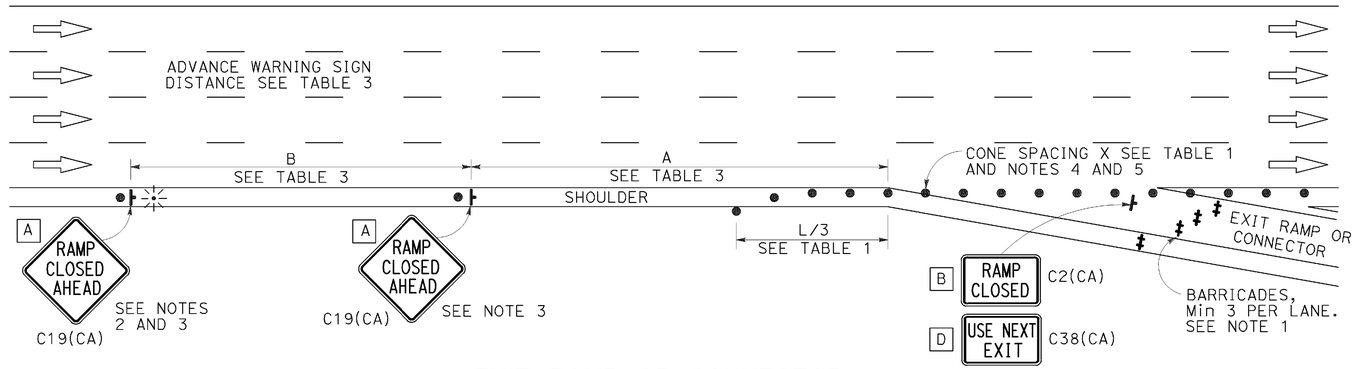
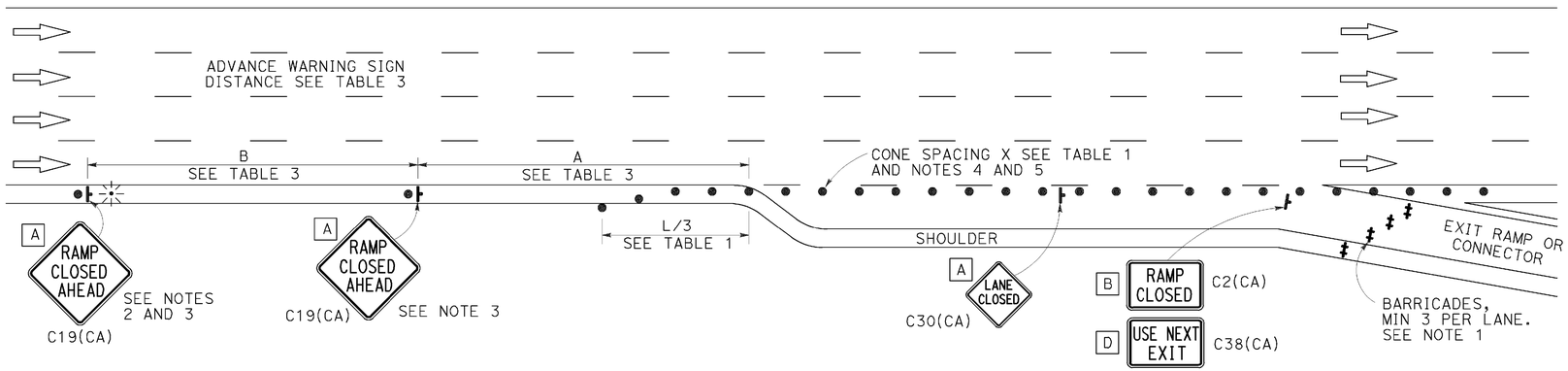
10-13-15

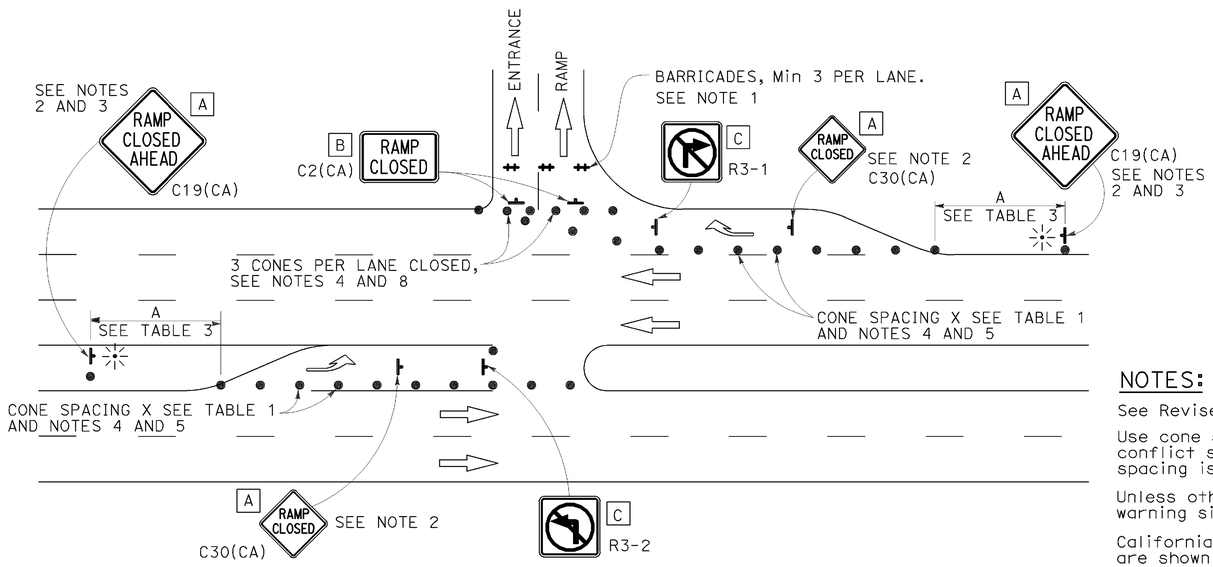
TYPICAL RAMP CLOSURES



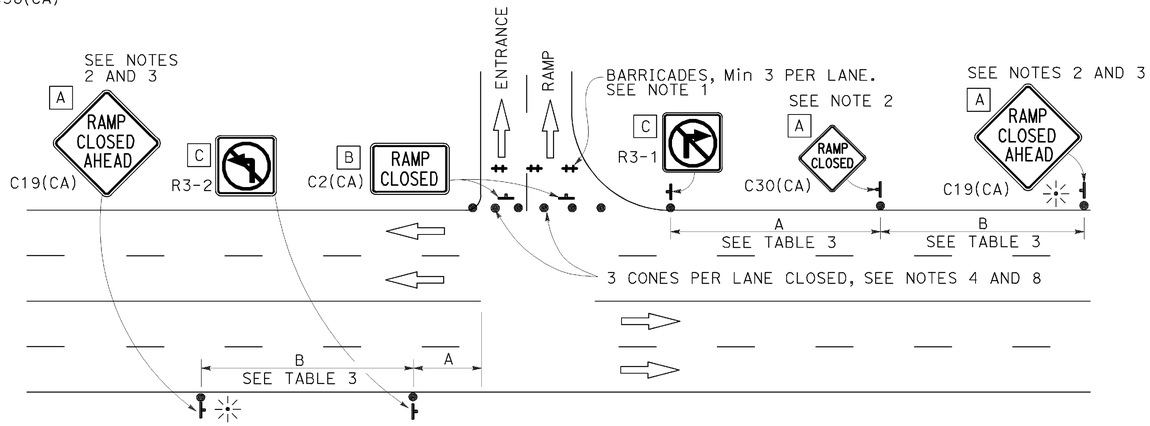
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

SIGN PANEL SIZE (Min)

- A 48" × 48"
- B 48" × 30"
- C 36" × 36"
- D 48" × 36"

LEGEND

- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- BARRICADES
- PORTABLE FLASHING BEACON

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Var	5,36,44	Var	14	14

REGISTERED CIVIL ENGINEER

April 19, 2013
PLANS APPROVAL DATE

Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
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.

TO ACCOMPANY PLANS DATED 11-09-15

NOTES:

1. Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
2. In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
3. Each advance C19(CA) "RAMP CLOSED AHEAD" sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" × 16" in size and shall be orange or fluorescent red-orange in color. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
4. All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
5. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
6. At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
7. The existing "EXIT" signs shall be covered during ramp closures.
8. A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.

NOTES:

See Revised Standard Plan RSP T9 for tables.

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

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURE

NO SCALE

RSP T14 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T14
DATED MAY 20, 2011 - PAGE 242 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T14

2010 REVISED STANDARD PLAN RSP T14

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TIME PLOTTED => 07:35

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DGN FILE => 21h120va007.dgn

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12-18-12