ACNHP-Q101(246)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	1	31

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-3	TYPICAL CROSS SECTIONS
4-12	CONSTRUCTION DETAILS
13	CONSTRUCTION AREA SIGNS
14-17	PAVEMENT DELINEATION QUANTITIES
18-20	SUMMARY OF QUANTITIES
21-31	NEW OR REVISED STANDARD PLANS

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

STATE OF CALIFORNIA

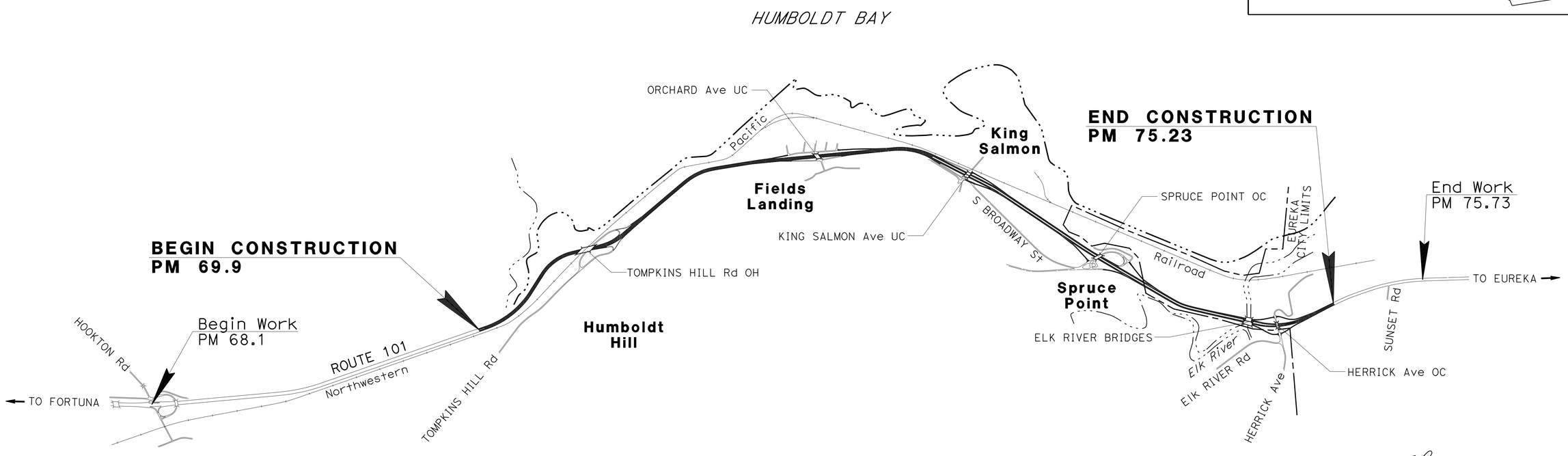
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN HUMBOLDT COUNTY IN AND NEAR EUREKA FROM 0.7 MILE SOUTH OF TOMPKINS HILL ROAD OVERHEAD TO 0.4 MILE NORTH OF HERRICK AVENUE OVERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



PROJECT MANAGER R. B. McCARTHY

DESIGN ENGINEER R. B. McCARTHY

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

NO SCALE

PROJECT ENGINEER REGISTERED CIVIL ENGINEER — DATE 1/21/14

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 CIVIL STATE OF CALIFORNIA

January 21, 2014
PLANS APPROVAL DATE

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

CONTRACT No.	01-0C4804
PROJECT ID	0113000027

LAST REVISION 00-00-00 DATE PLOTTED => 17-APR-2014 TIME PLOTTED => 13:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	2	31

REGISTERED CIVIL ENGINEER 1/21/14 DATE

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 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.

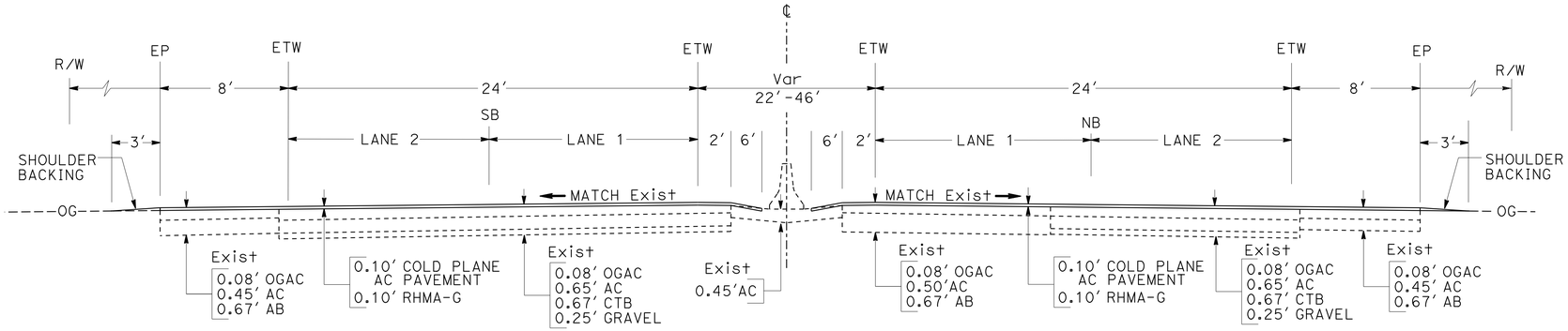
NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. IN AREAS WHERE THE WIDTH OF THE EXISTING SURFACING VARIES FROM THAT SHOWN, THE CONTRACTOR SHALL VARY THE WIDTH OF THE PAVING OPERATIONS AS DIRECTED BY THE ENGINEER.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

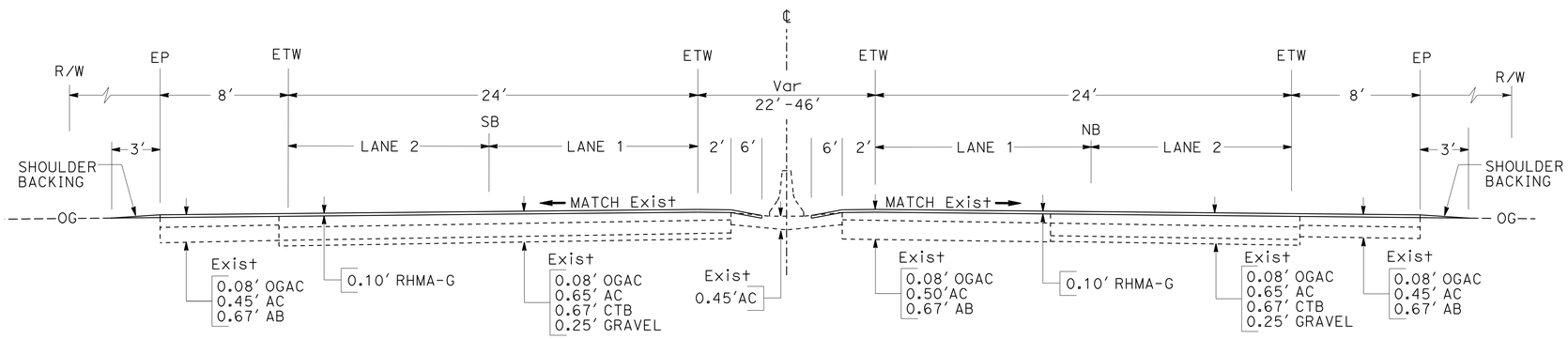
LEGEND

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

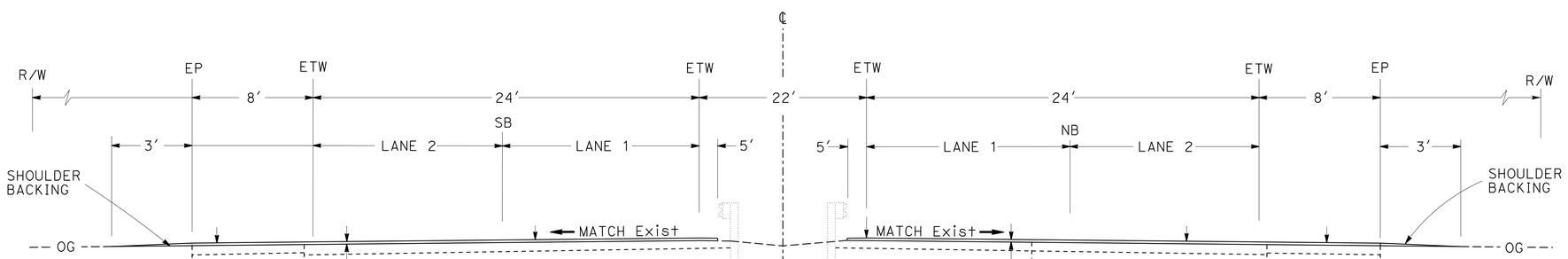
NORTH COAST CLIMATE REGION



PM 70.69 TO PM 72.87



PM 69.93 TO PM 70.61



PM 69.90 TO PM 69.93

ROUTE 101

TYPICAL CROSS SECTIONS

NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **MAINTENANCE DESIGN**

FUNCTIONAL SUPERVISOR: R. B. McCARTHY
CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 17-APR-2014
TIME PLOTTED => 13:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	3	31

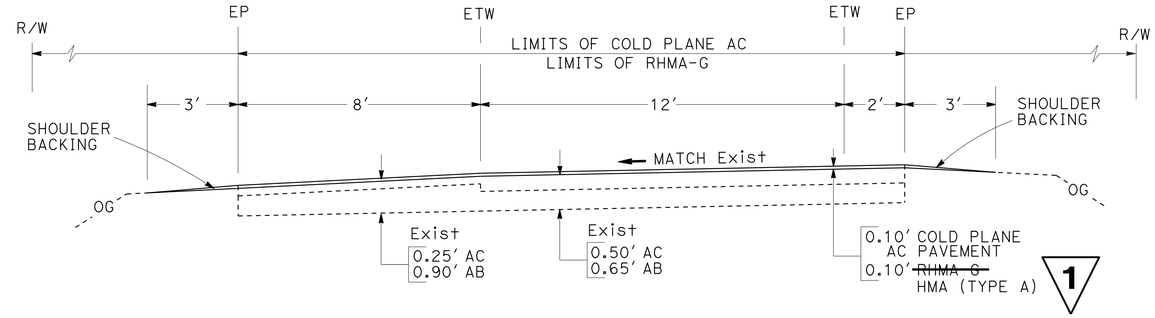
REGISTERED CIVIL ENGINEER DATE 1/21/14

January 21, 2014
PLANS APPROVAL DATE

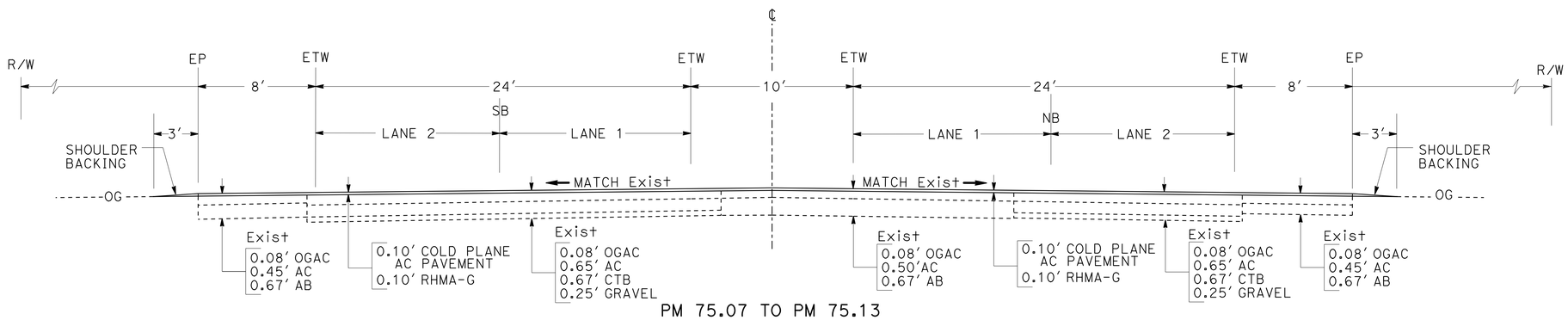
REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 CIVIL STATE OF CALIFORNIA

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.

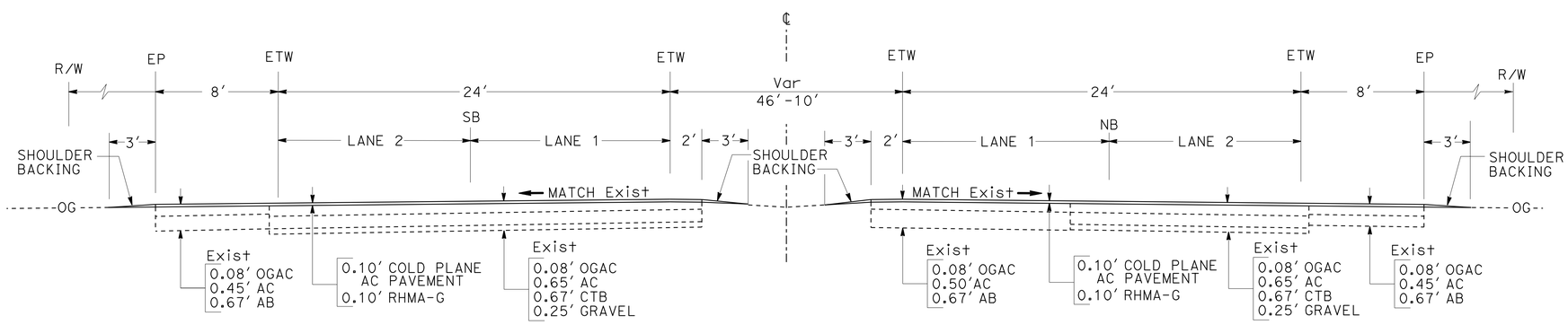
LOCATION	PM
SB ON RAMP ORCHARD UC	71.80 L+
SB OFF RAMP ORCHARD UC	72.33 L+
SB OFF RAMP KING SALMON AVENUE UC	73.04 L+
NB ON RAMP KING SALMON AVENUE UC	73.03 R+
NB OFF RAMP SPRUCE POINT OC	73.57 R+
SB ON RAMP SPRUCE POINT OC	73.83 L+
NB ON RAMP SPRUCE POINT OC	73.88 R+
SB OFF RAMP SPRUCE POINT OC	74.02 L+
SB ON RAMP HERRICK AVENUE OC	74.68 L+
NB OFF RAMP HERRICK AVENUE OC	74.65 R+
SB OFF RAMP HERRICK AVENUE OC	74.88 L+
NB ON RAMP HERRICK AVENUE OC	74.92 R+



RAMPS



PM 75.07 TO PM 75.13



PM 72.87 TO PM 74.59
PM 74.63 TO PM 75.07

ROUTE 101

1 REVISED PER ADDENDUM No.1 DATED APRIL 18, 2014

TYPICAL CROSS SECTIONS

NO SCALE

X-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: R. B. McCARTHY
CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 17-APR-2014
TIME PLOTTED => 13:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	4	31

REGISTERED CIVIL ENGINEER 1/21/14 DATE

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 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

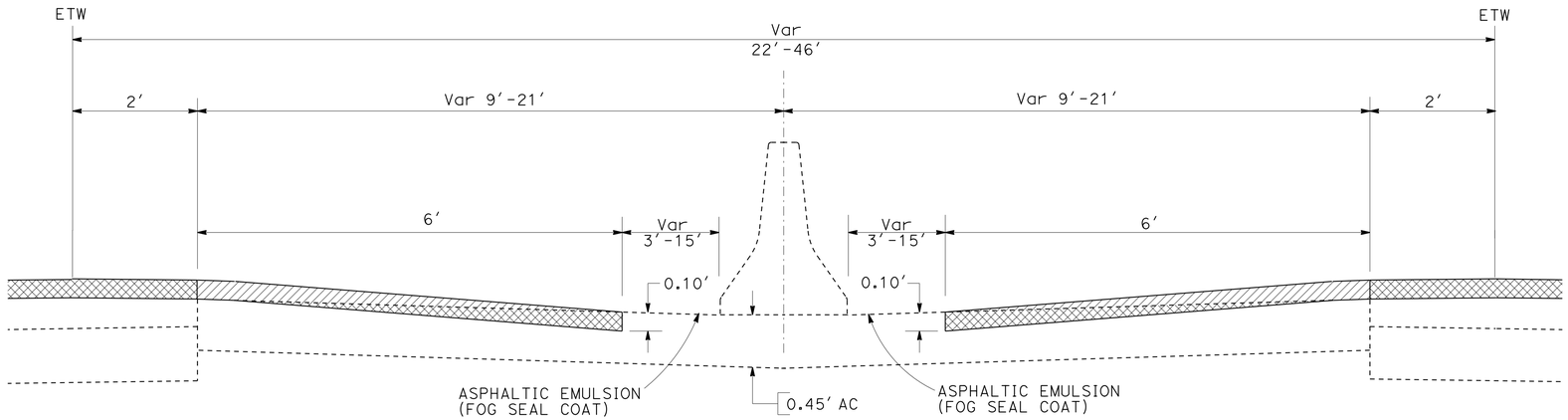
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. IN AREAS WHERE THE WIDTH OF THE EXISTING SURFACING VARIES FROM THAT SHOWN, THE CONTRACTOR SHALL VARY THE WIDTH OF THE PAVING OPERATIONS AS DIRECTED BY THE ENGINEER.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

LEGEND

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

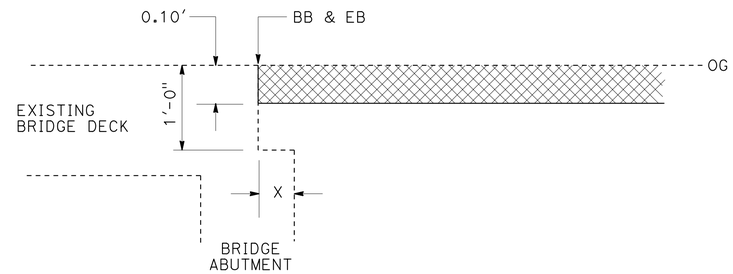
LIMITS OF COLD PLANE AC PAVEMENT

LIMITS OF RHMA-G



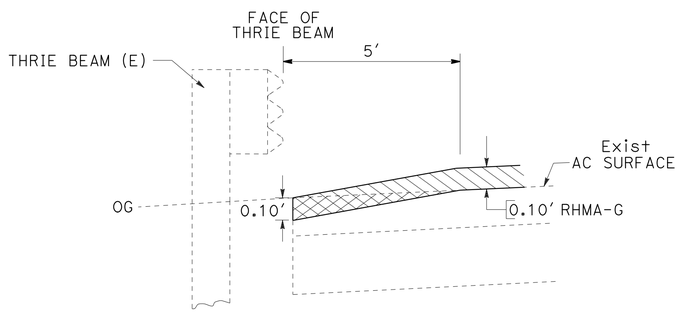
MEDIAN BARRIER CONFORM DETAIL

PM 70.69 TO 72.87



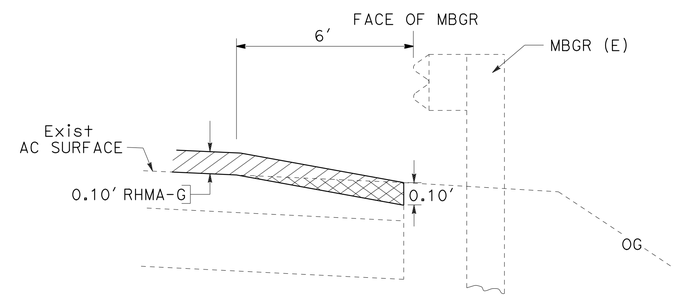
EXISTING SITE CONDITIONS

LOCATION	X
TOMPKINS HILL ROAD OH	3"
ORCHARD AVENUE UC	3"
KING SALMON UC	3"
SPRUCE POINT OC	3"
ELK RIVER BRIDGE	6"



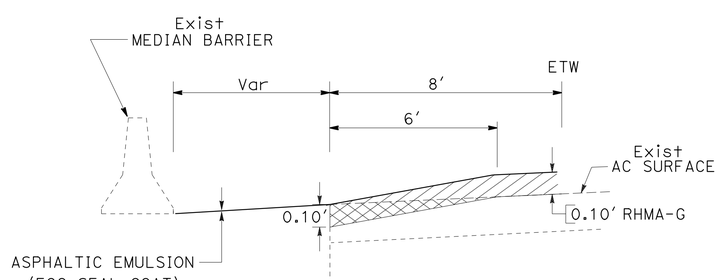
COLD PLANE AC PAVEMENT AT FACE OF THRIE BEAM

PM 69.90 TO PM 69.93



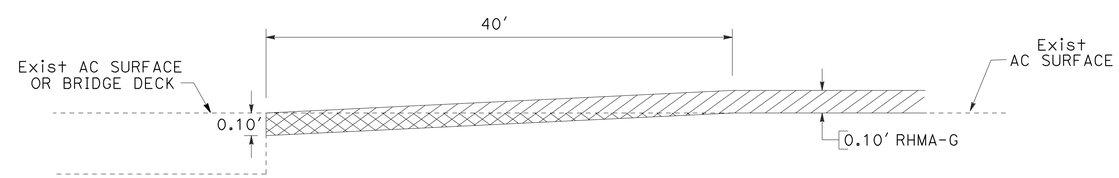
COLD PLANE AC PAVEMENT AT FACE OF MBGR

PM 69.93 TO PM 70.61



COLD PLANE AC PAVEMENT AT MEDIAN BARRIER

PM 69.93 TO PM 70.61



PROFILE

COLD PLANE AC PAVEMENT AT BEGIN CONSTRUCTION PM 69.90 AND TOMPKINS HILL ROAD OH PM 70.61

CONSTRUCTION DETAILS

NO SCALE

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: R. B. McCARTHY
CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG
REVISED BY / DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 17-APR-2014 | TIME PLOTTED => 13:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	5	31

REGISTERED CIVIL ENGINEER 1/21/14 DATE

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 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.

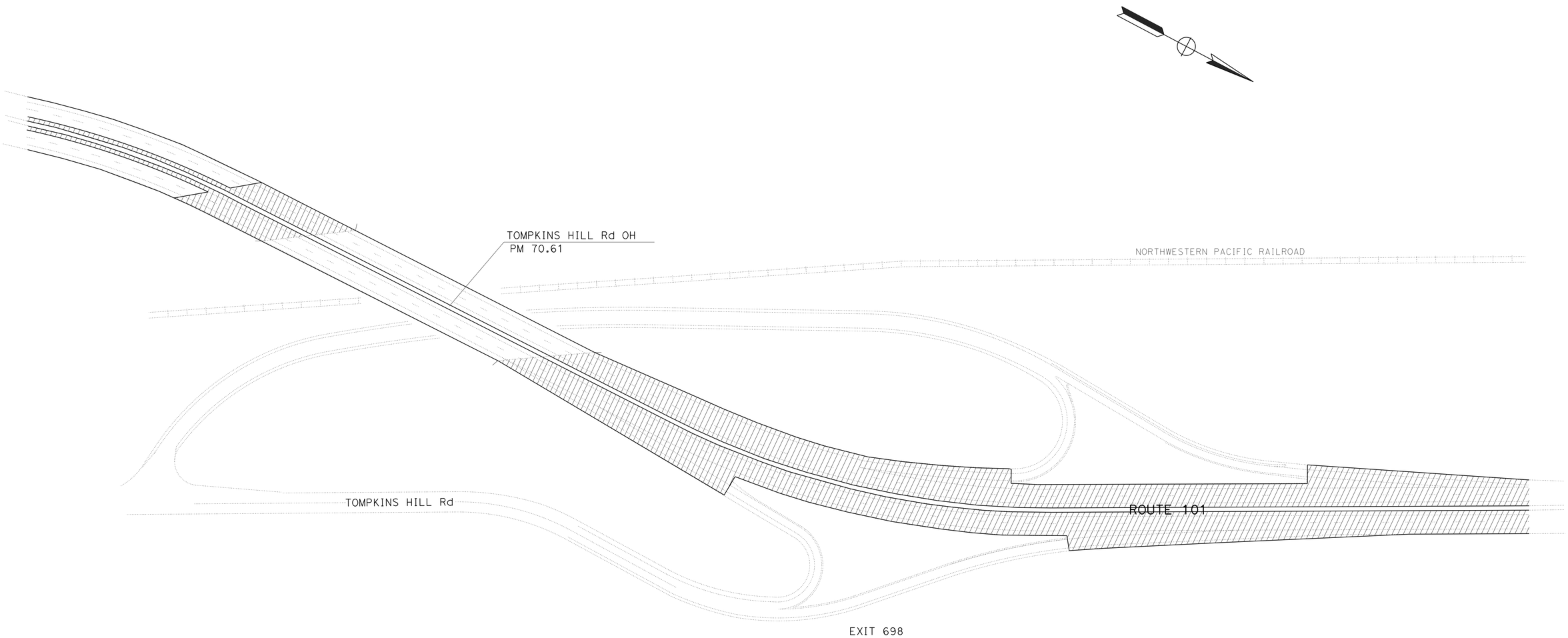
NOTES

1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

LEGEND

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

LIMITS OF COLD PLANE AC PAVEMENT AND RHMA-G



TOMPKINS HILL INTERCHANGE
LIMITS OF WORK

CONSTRUCTION DETAILS
NO SCALE

C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: R. B. McCARTHY
CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 17-APR-2014 | TIME PLOTTED => 13:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	6	31

REGISTERED CIVIL ENGINEER DATE 1/21/14

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 CIVIL STATE OF CALIFORNIA

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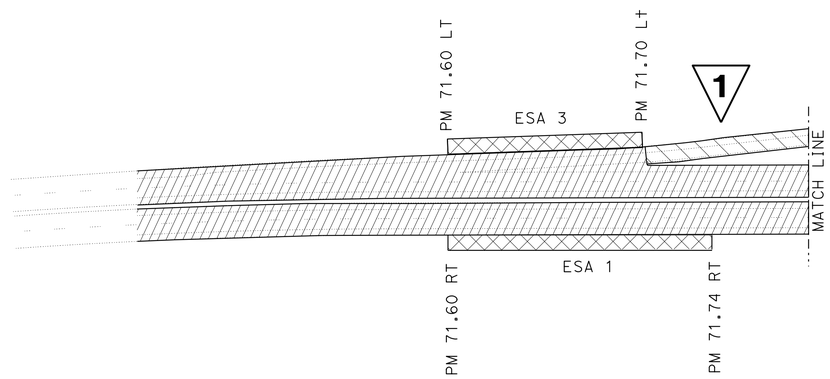
LEGEND

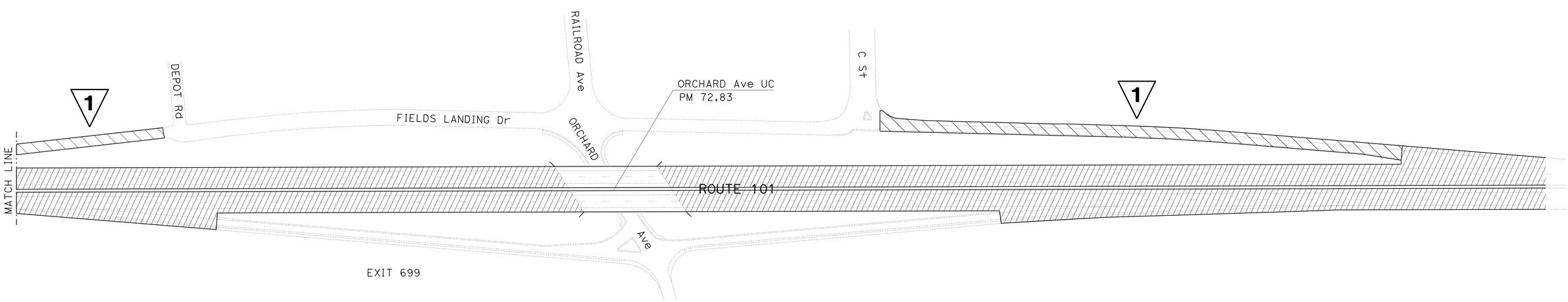
RHMA-G = RUBBERIZED HOT MIX ASPHALT (GAP-GRADED-WMA)

LIMITS OF COLD PLANE AC PAVEMENT AND RHMA-G

LIMITS OF ENVIRONMENTAL SENSITIVE AREA (ESA)

LIMITS OF COLD PLANE AC PAVEMENT AND HMA (TYPE A) 1





FIELDS LANDING INTERCHANGE
LIMITS OF WORK

1 REVISED PER ADDENDUM No.1 DATED APRIL 18, 2014

CONSTRUCTION DETAILS
NO SCALE

C-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR R. B. McCARTHY
CALCULATED-DESIGNED BY G. J. THORNE
CHECKED BY S. BRANDENBURG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 17-APR-2014
TIME PLOTTED => 13:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	7	31

REGISTERED CIVIL ENGINEER 1/21/14 DATE

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp 12-31-15 CIVIL STATE OF CALIFORNIA

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

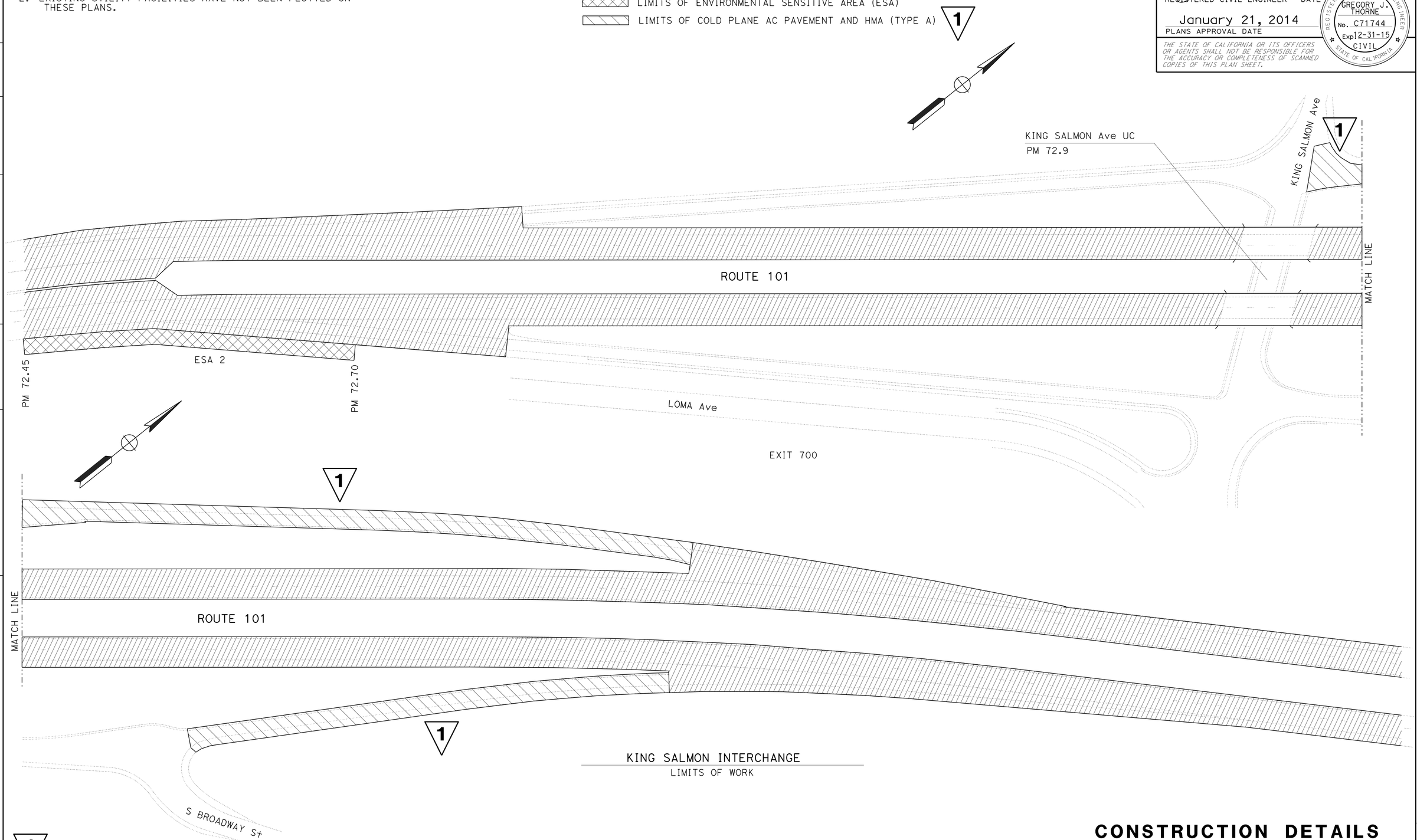
LEGEND

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

LIMITS OF COLD PLANE AC PAVEMENT AND RHMA-G

LIMITS OF ENVIRONMENTAL SENSITIVE AREA (ESA)

LIMITS OF COLD PLANE AC PAVEMENT AND HMA (TYPE A)



1 REVISED PER ADDENDUM No.1 DATED APRIL 18, 2014

CONSTRUCTION DETAILS

NO SCALE

C-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: R B. McCARTHY

CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG

REVISED BY / DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 17-APR-2014 | TIME PLOTTED => 13:42

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	8	31

REGISTERED CIVIL ENGINEER DATE 1/21/14

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GREGORY J. THORNE
No. C71744
Exp 12-31-15
CIVIL
STATE OF CALIFORNIA

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NOTES

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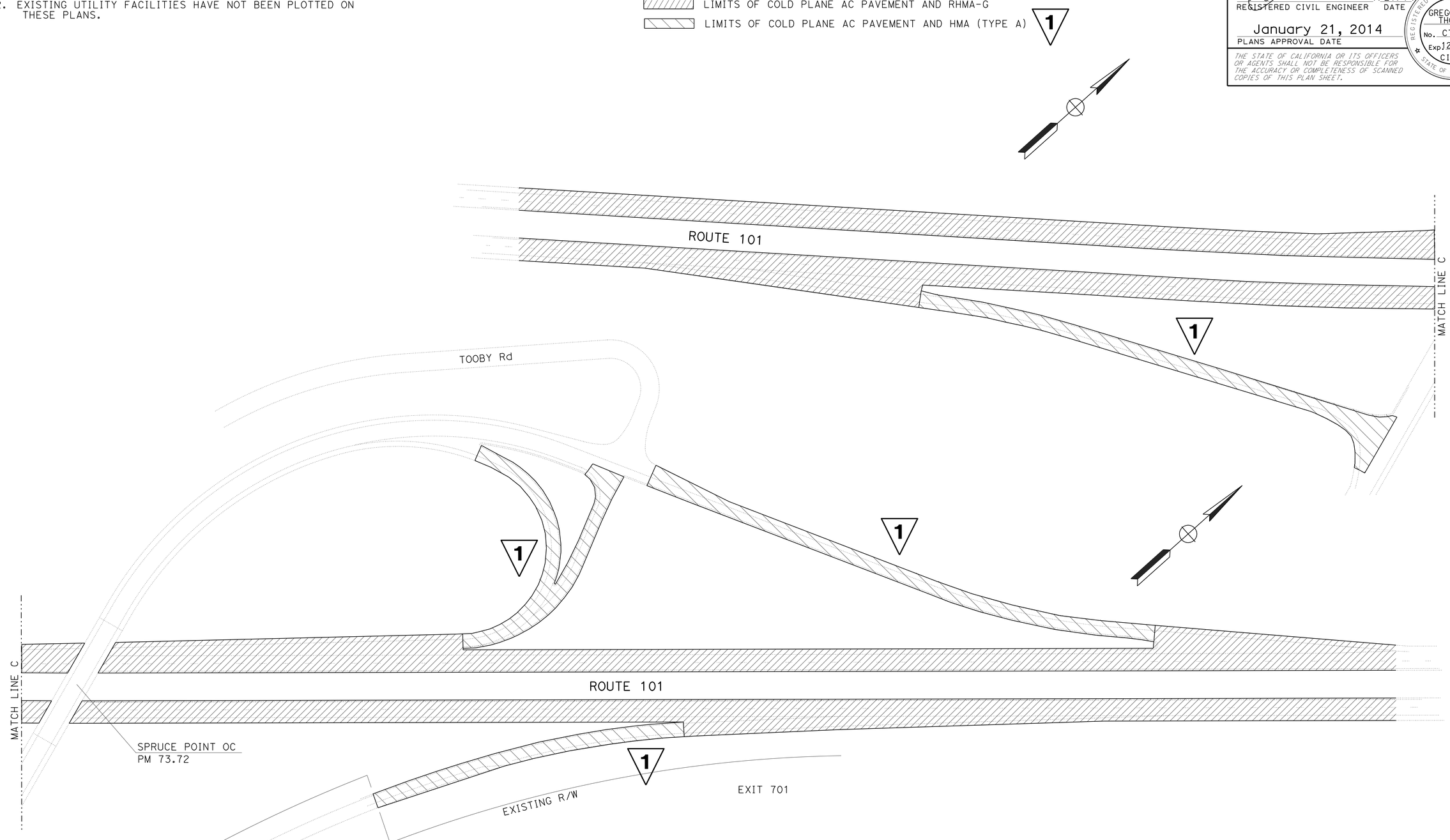
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

LEGEND

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

LIMITS OF COLD PLANE AC PAVEMENT AND RHMA-G

LIMITS OF COLD PLANE AC PAVEMENT AND HMA (TYPE A)



SPRUCE POINT / HUMBOLDT HILL INTERCHANGE
LIMITS OF WORK

1 REVISED PER ADDENDUM No.1 DATED APRIL 18, 2014

CONSTRUCTION DETAILS
NO SCALE

C-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: R. B. McCARTHY
CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 17-APR-2014
TIME PLOTTED => 13:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	9	31

REGISTERED CIVIL ENGINEER DATE 1/21/14

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 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

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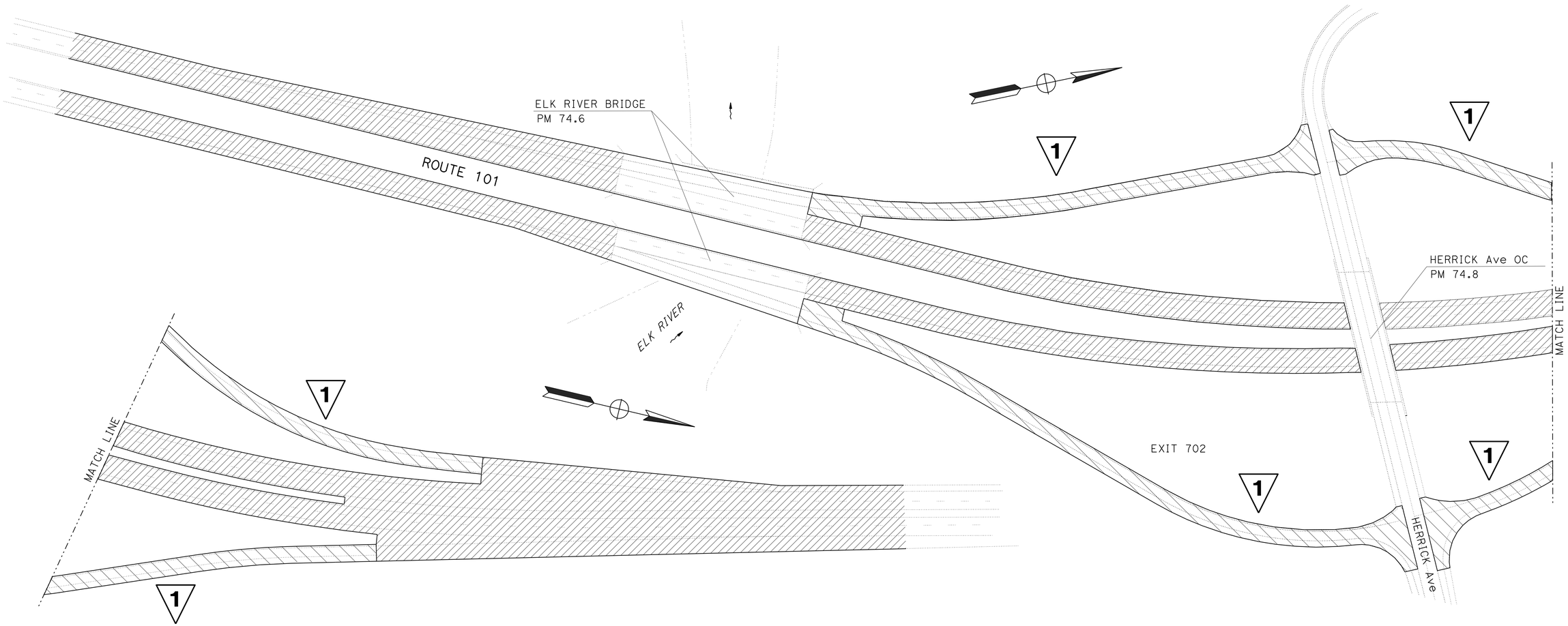
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

LEGEND

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

LIMITS OF COLD PLANE AC PAVEMENT AND RHMA-G

LIMITS OF COLD PLANE AC PAVEMENT AND HMA (TYPE A) 1



HERRICK Ave INTERCHANGE
LIMITS OF WORK

1 REVISED PER ADDENDUM No.1 DATED APRIL 18, 2014

CONSTRUCTION DETAILS
NO SCALE

C-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: R. B. McCARTHY
CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 17-APR-2014
TIME PLOTTED => 13:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	10	31

REGISTERED CIVIL ENGINEER DATE 1/21/14

January 21, 2014
PLANS APPROVAL DATE

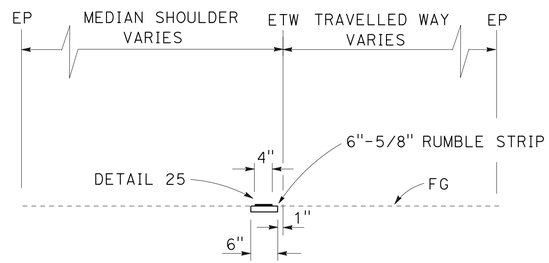
REGISTERED PROFESSIONAL ENGINEER DAVID A. MORGAN No. 72321 Exp. 6/30/14 CIVIL STATE OF CALIFORNIA

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.

NOTE:

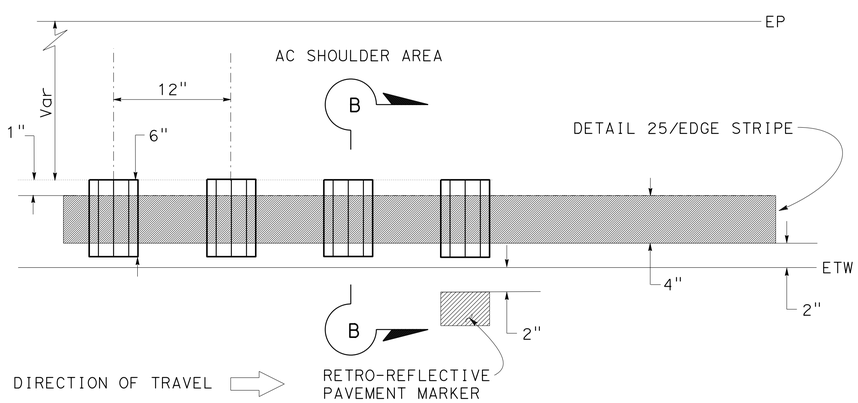
1. RUMBLE STRIPS, AS SHOWN ON THIS PLAN SHALL NOT BE CONSTRUCTED ON BRIDGE DECKS, BRIDGE APPROACH SLABS, RAMPS, PUBLIC AND PRIVATE ROAD APPROACHES OR MAJOR (COMMERCIAL ENTRANCE OR MULTIPLE RESIDENTS) DRIVEWAYS.

ELEVATION
INSIDE SHOULDER AREA



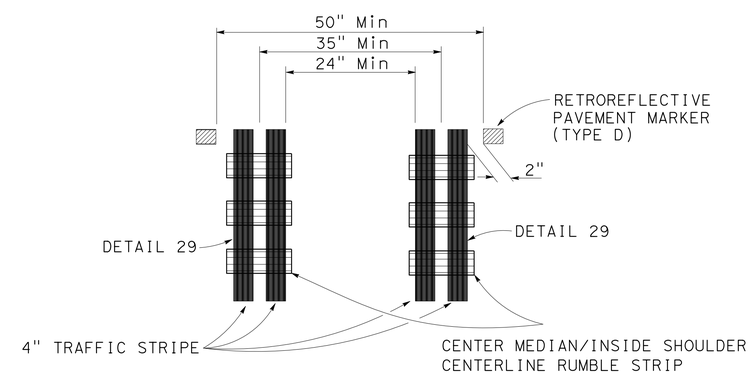
SECTION B-B

ELEVATION
CENTER MEDIAN/INSIDE SHOULDER AREA



PLAN

MODIFIED RUMBLE STRIP/INSIDE SHOULDER (DETAIL 25 & 25A)



CENTERLINE RUMBLE STRIP (DETAIL 22 & 29)

CONSTRUCTION DETAILS
NO SCALE

C-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC SAFETY

FUNCTIONAL SUPERVISOR: DAVID A. MORGAN
CALCULATED-DESIGNED BY: DAVID A. MORGAN
CHECKED BY: S. BRANDENBURG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 17-APR-2014
TIME PLOTTED => 13:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	11	31

REGISTERED CIVIL ENGINEER DATE 1/21/14

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DAVID A. MORGAN No. 72321 Exp. 6/30/14 CIVIL STATE OF CALIFORNIA

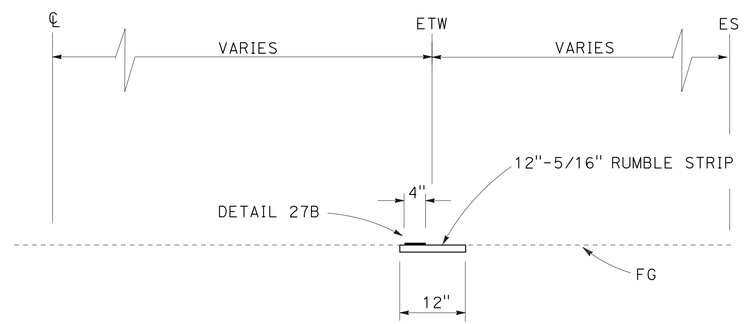
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

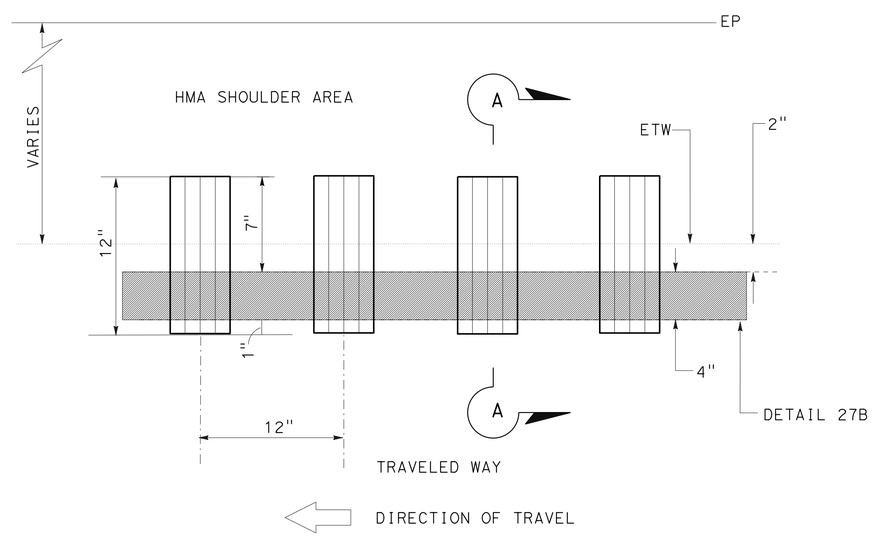
1. RUMBLE STRIPS, AS SHOWN ON THIS PLAN SHALL NOT BE CONSTRUCTED ON BRIDGE DECKS, BRIDGE APPROACH SLABS, RAMPS, PUBLIC AND PRIVATE ROAD APPROACHES OR MAJOR (COMMERCIAL ENTRANCE OR MULTIPLE RESIDENTS) DRIVEWAYS.
2. ALTERNATE #1 OUTSIDE/RIGHT SHOULDER RUMBLE STRIP DEPTH SHALL BE 5/16".
3. ALTERNATE #1 OUTSIDE/RIGHT SHOULDER RUMBLE STRIP FOR USE WITH ALL FREEWAYS & 4 LANE HIGHWAYS.
4. EXCEPTION: WHEN A CONVENTIONAL 2 LANE OR EXPRESSWAY HIGHWAY HAS SHOULDER WIDTHS THAT MEET OR EXCEED 5 FEET, ALTERNATE #1 MAY BE CONSIDERED. CONTACT DISTRICT 1 TRAFFIC SAFETY FOR APPROVAL.

ELEVATION

APPLIES TO ALL
ALTERNATE OUTSIDE/RIGHT SHOULDER RUMBLE STRIP



SECTION A-A



PLAN

ALTERNATE #1 OUTSIDE/RIGHT SHOULDER
RUMBLE STRIP
(SEE NOTES ABOVE)

SHOULDER RUMBLE STRIP

CONSTRUCTION DETAILS
NO SCALE

C-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC SAFETY

FUNCTIONAL SUPERVISOR: DAVID A. MORGAN
CALCULATED-DESIGNED BY: DAVID A. MORGAN
CHECKED BY: S. BRANDENBURG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 17-APR-2014
TIME PLOTTED => 13:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	12	31

REGISTERED CIVIL ENGINEER DATE 1/21/14

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DAVID A. MORGAN No. 72321 Exp. 6/30/14 CIVIL STATE OF CALIFORNIA

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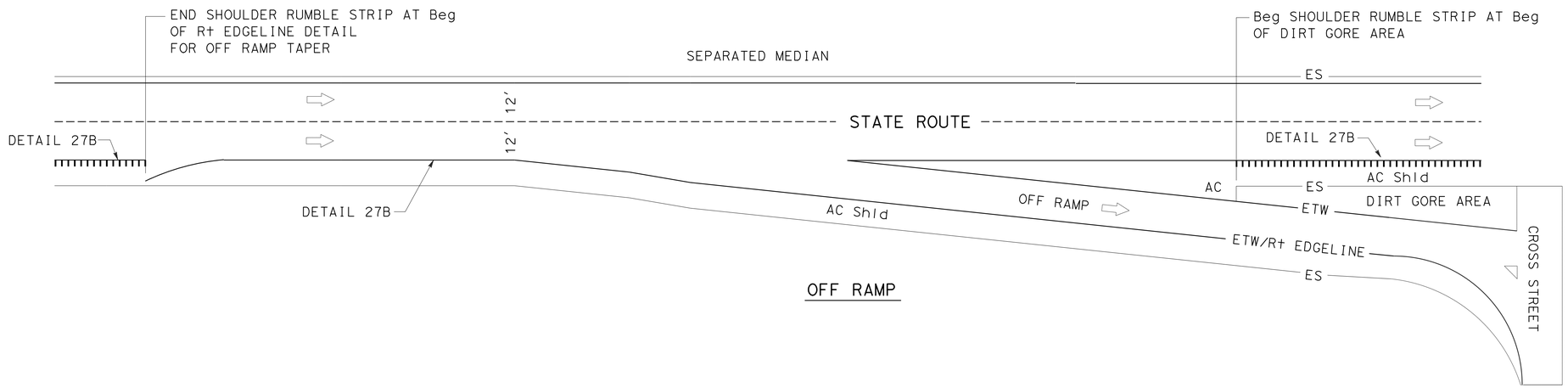
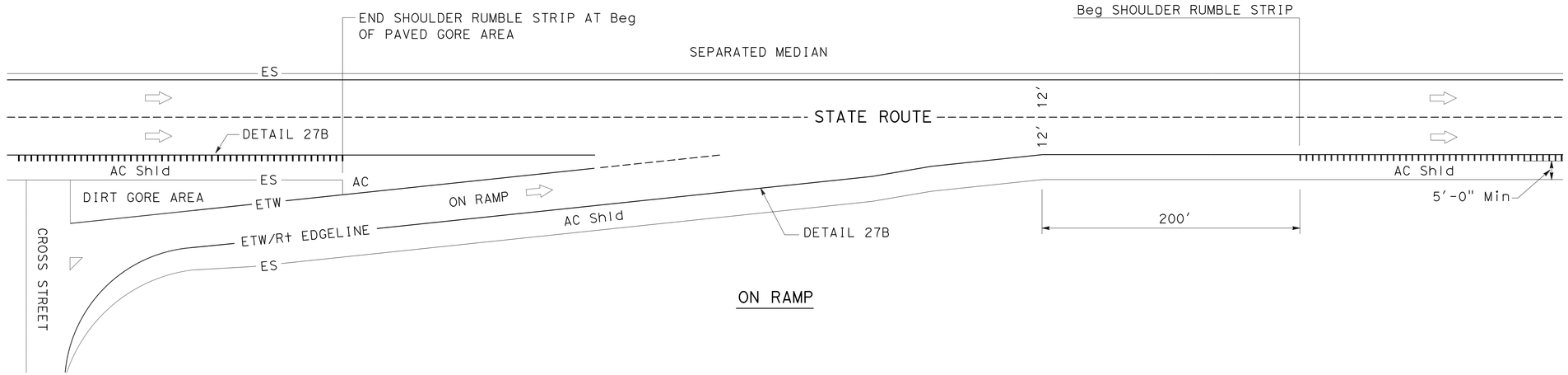
NOTES:

1. RUMBLE STRIPS, AS SHOWN ON THIS PLAN SHALL NOT BE CONSTRUCTED ON BRIDGE DECKS, BRIDGE APPROACH SLABS, RAMPS, PUBLIC AND PRIVATE ROAD APPROACHES OR MAJOR (COMMERCIAL ENTRANCE OR MULTIPLE RESIDENTS) DRIVEWAYS.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



OFF RAMP



ON RAMP

LEGEND

DIRECTION OF TRAVEL

SHOULDER RUMBLE STRIP

SHOULDER RUMBLE STRIP

PLACEMENT AT INTERSECTING RAMPS, ROADS AND MAJOR DRIVEWAYS

CONSTRUCTION DETAILS

NO SCALE

C-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC SAFETY

FUNCTIONAL SUPERVISOR: DAVID A. MORGAN
CALCULATED-DESIGNED BY: DAVID A. MORGAN
CHECKED BY: S. BRANDENBURG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 17-APR-2014
TIME PLOTTED => 13:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	13	31

REGISTERED CIVIL ENGINEER DATE 1/21/14

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 CIVIL STATE OF CALIFORNIA

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

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

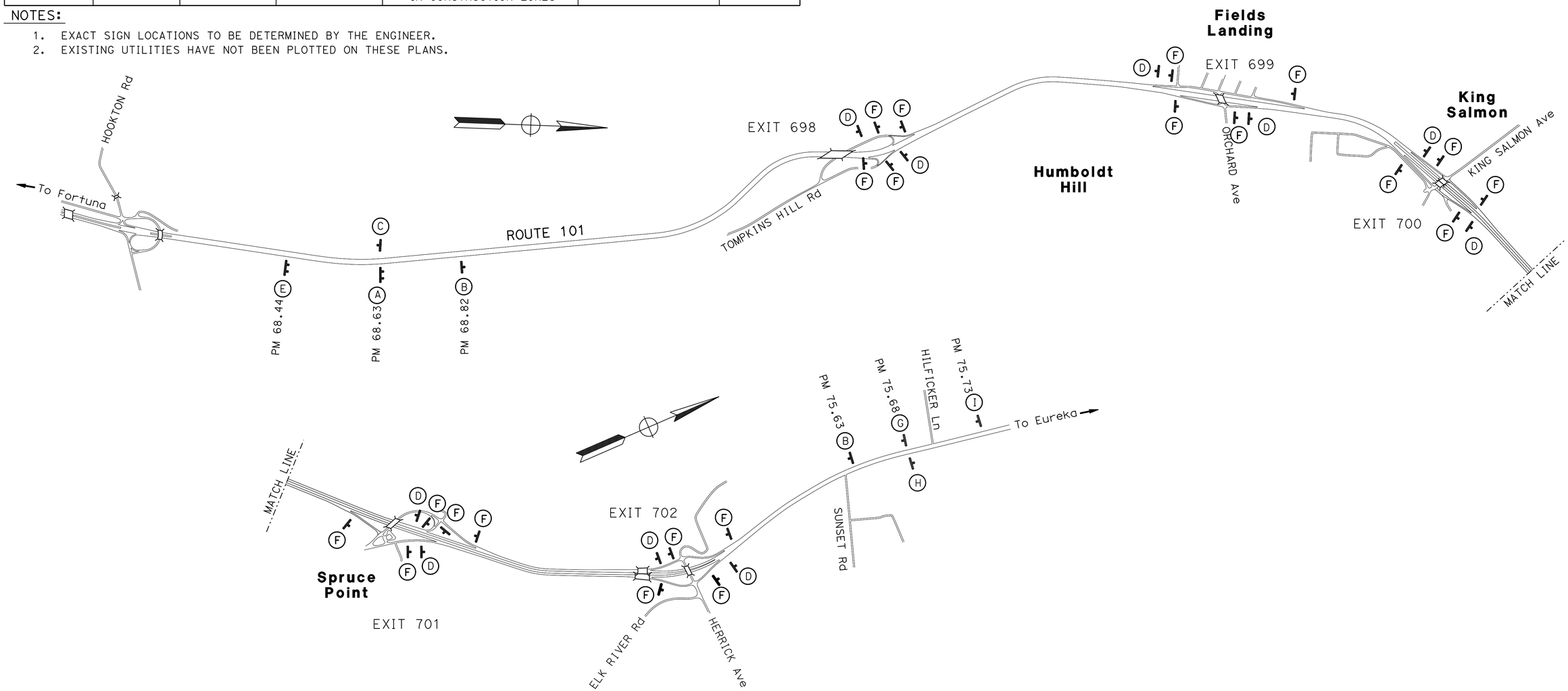
SIGN No. (X)	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
A	G20-1		90" X 48"	ROAD WORK NEXT 7 MILES	2 - 6" x 6"	1
		C23B (CA)	54" X 18"	RESURFACING		
B	W16-1		36" X 36"	BICYCLE SYMBOL	1 - 4" x 6"	2
	W11-1		24" X 30"	SHARE THE ROAD		
C	G20-2		48" X 24"	END ROAD WORK	1 - 4" x 6"	1
D	W20-1		36" X 36"	ROAD WORK AHEAD	1 - 4" x 6"	10
E		C40 (CA)	144" X 60"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	2 - 6" x 8"	1
F		SC6-4	48" X 60"	RAMP CLOSED (FROM_ TO_)	1 - 6" x 6"	21
G	G20-1		60" X 36"	ROAD WORK NEXT 7 MILES	1 - 6" x 6"	1
		C23B (CA)	36" X 18"	RESURFACING		
H	G20-2		36" X 18"	END ROAD WORK	1 - 4" x 4"	1
I		C40 (CA)	72" X 36"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	1 - 6" x 6"	1

C23B(CA)
54" X 12"
4" CAPS
BLACK/ORANGE

RESURFACING

NOTES:

1. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: R. B. McCARTHY
CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 17-APR-2014
TIME PLOTTED => 13:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	14	31

REGISTERED CIVIL ENGINEER 1/21/14 DATE

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 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.

THERMOPLASTIC TRAFFIC STRIPE										PAVEMENT MARKER			
LOCATION (POST MILE)		DETAIL NUMBER	DETAIL LENGTH	8 INCH WHITE	4 INCH YELLOW SOLID	4 INCH WHITE SOLID	4 INCH YELLOW (BROKEN 36-12)	4 INCH WHITE (BROKEN 36-12)	4 INCH WHITE (BROKEN 17-7)	(NON-REFLECTIVE) TYPE A	(RETROREFLECTIVE) TYPE D YELLOW (TWO WAY)	TYPE G CLEAR (ONE WAY)	TYPE H YELLOW (ONE WAY)
FROM	TO		LF							EA			
69.90 R+	74.86 R+	25	26189		26189								547
69.90 L+	74.86 L+	25	26189		26189								547
69.90 R+	75.04 R+	11&13	27140					27140		2268		567	
69.90 L+	75.15 L+	11&13	27720					27720		2316		579	
69.90 L+	70.86 L+	27B	11251			11251							
69.90 R+	70.61 R+	27B	3749			3749							
70.58 L+	71.08 L+	27B	2966			2966							
70.60 L+	70.85 L+	27B	1591			1591							
70.61 R+	70.78 R+	27B	1084			1084							
70.71 R+	70.76 R+	36	265	530								26	
70.75 R+	70.87 R+	27B	634			634							
70.76 R+	70.79 R+	25A	306		306								14
70.78 R+	71.76 R+	27B	5241			5241							
70.78 R+	70.85 R+	25A	441		441								20
70.79 L+	70.85 L+	36A	317	184					120			12	
70.81 L+	70.94 L+	27B	687			687							
70.85 L+	70.86 L+	25A	248		248								12
70.85 L+	70.94 L+	25A	476		476								21
70.85 R+	70.91 R+	36A	317	128					192			11	
70.94 L+	70.98 L+	36	212	502								24	
71.08 L+	71.88 L+	27B	4224			4224							
71.74 L+	71.80 L+	36A	317	181					168			13	
71.76 R+	72.06 R+	27B	1584			1584							
71.77 L+	72.33 L+	27B	2957			2957							
71.80 L+	71.88 L+	25A	420		420								19
71.86 R+	71.90 R+	36	212	400								20	
71.90 R+	72.05 R+	25A	783		783								34
71.90 R+	72.22 R+	27B	1690			1690							
72.06 R+	72.58 R+	27B	2746			2746							
72.06 R+	72.17 R+	25A	624		624								27
72.15 L+	72.33 L+	25A	975		975								42
72.16 L+	72.48 L+	27B	1665			1665							
72.17 R+	72.24 R+	36A	370	252					120			15	
72.33 L+	72.37 L+	36	212	430								20	
72.48 L+	72.89 L+	27B	2165			2165							
72.58 R+	72.87 R+	27B	1532			1532							
72.68 R+	72.73 R+	36	264	490								24	
72.69 L+	72.74 L+	36A	264	172					96			11	
72.71 L+	73.04 L+	27B	1743			1743							
72.73 R+	72.87 R+	25A	740		740								32
72.73 R+	73.06 R+	27B	1743			1743							
72.74 L+	72.89 L+	25A	793		793								35
72.88 R+	72.94 R+	27B	236			236							
72.89 R+	72.92 R+	27B	234			234							
72.89 R+	72.92 R+	22	175		350						18		
72.90 L+	73.22 L+	27B	1747			1747							
72.90 L+	73.04 L+	25A	749		749								33
72.93 L+		22	90		180						10		
SUBTOTAL SHEET PDQ-1				3269	59463	51469		54860	696	4584	28	1322	1383
CONTINUED ON SHEET PDQ-2													

PAVEMENT DELINEATION QUANTITIES

PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: R. B. McCARTHY
CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG
REVISED BY / DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 17-APR-2014 | TIME PLOTTED => 13:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	15	31

REGISTERED CIVIL ENGINEER DATE 10/21/14

PLANS APPROVAL DATE January 21, 2014

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 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.

LOCATION (POST MILE) FROM	TO	DETAIL NUMBER	THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY) DETAIL LENGTH	8 INCH WHITE	4 INCH YELLOW SOLID	4 INCH WHITE SOLID	4 INCH YELLOW (BROKEN 36-12)	4 INCH WHITE (BROKEN 36-12)	4 INCH WHITE (BROKEN 17-7)	PAVEMENT MARKER (NON-REFLECTIVE) TYPE A	(RETROREFLECTIVE) TYPE D YELLOW (TWO WAY)	TYPE G CLEAR (ONE WAY)	TYPE H YELLOW (ONE WAY)
			LF							EA			
72.93 R+	73.03 R+	25A	544		544								24
72.94 R+	73.42 R+	27B	2572			2572							
73.03 R+	73.08 R+	36A	264	141					120			10	
73.04 L+	73.09 L+	36	264	572								26	
73.22 L+	73.85 L+	27B	3772			3772							
73.42 R+	73.68 R+	27B	1579			1579							
73.51 R+	73.57 R+	36	317	626								30	
73.57 R+	73.69 R+	25A	669		669								29
73.57 R+	73.91 R+	27B	1796			1796							
73.65 R+	73.66 R+	27B	63			63							
73.65 R+	73.72 R+	27B	441			441							
73.66 R+	73.68 R+	25A	134			134							7
73.68 L+	73.78 L+	22	684		1368						60		
73.68 R+	73.71 R+	27B	233			233							
73.73 R+	73.78 R+	27B	331			331							
73.73 R+	73.74 R+	27B	84			84							
73.74 L+	73.84 L+	36A	529	325					190			19	
73.75 R+	74.48 R+	27B	3883			3883							
73.78 L+	74.02 L+	27B	1268			1268							
73.79 L+	73.88 L+	22	520		1040						46		
73.81 L+	73.87 L+	27B	314			314							
73.81 L+	73.87 L+	27B	342			342							
73.82 L+	73.84 L+	36	106	148								10	
73.84 L+	73.87 L+	27B	304			304							
73.84 L+	73.86 L+	25A	200		200								10
73.84 L+	73.87 L+	25A	329		329								15
73.85 L+	73.86 L+	36B	53	184								10	
73.88 L+	0.00 L+	27B	60			60							
73.88 L+	74.17 L+	27B	1603			1603							
73.88 L+	74.02 L+	25A	785		785								34
73.88 R+	73.93 R+	36A	265	135					96			9	
74.02 L+	74.08 L+	36	317	620								28	
74.17 L+	74.75 L+	27B	3056			3056							
74.48 R+	74.77 R+	27B	1646			1646							
74.55 L+	74.64 L+	36A	476	268					193			18	
74.59 L+	74.92 L+	27B	1743			1743							
73.51 R+	73.57 R+	36	317	560								26	
74.64 L+	74.76 L+	25A	602		602								27
74.64 R+	74.77 R+	25A	774		774								34
74.64 R+	74.92 R+	27B	1479			1479							
74.77 L+	75.06 L+	27B	1546			1546							
74.77 L+	74.92 L+	25A	791		791								34
74.78 R+	75.19 R+	27B	2319			2319							
74.78 R+	74.88 R+	25A	610		610								27
74.86	75.07	29	1109		4436						96		
74.88 R+	74.94 R+	36A	317	191					98			12	
74.92 L+	74.96 L+	36	212	464								22	
75.04 R+	75.23 R+	10	1004							132		22	
75.06 L+	75.23 L+	27B	898			898							
75.07	75.23	32	845		1690		1690				94		
75.15 L+	75.23 L+	10	423							60		10	
SUBTOTAL THIS SHEET				4,234	13,838	31,466	1690		697	192	296	252	241
SUBTOTAL FROM SHEET PDQ-1				3,269	59,463	51,469		54,860	696	4,584	28	1,322	1,383
TOTAL				7,503	156,236		56,550		1,393	4,776	3,522		

PAVEMENT DELINEATION QUANTITIES

PDQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: R. B. McCARTHY

CALCULATED-DESIGNED BY: G. J. THORNE

CHECKED BY: S. BRANDENBURG

REVISED BY | DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 17-APR-2014 | TIME PLOTTED => 13:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	16	31

REGISTERED CIVIL ENGINEER DATE 1/21/14

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 CIVIL STATE OF CALIFORNIA

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THERMOPLASTIC PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)

LOCATION (PM)	L+/R+/ MEDIAN	ORIENTATION	TYPE / LEGEND	AREA (SQFT)	REMARKS
70.59	R+	FEBT	LIMIT LINE / ISLAND	106	FIELDS LANDING OH (TOMPKINS HILL Rd) SB OFF RAMP & TOMPKINS HILL Rd
70.59	R+	FEBT	STOP	22	FIELDS LANDING OH (TOMPKINS HILL Rd) SB OFF RAMP & TOMPKINS HILL Rd
70.60	R+	FSBT	LIMIT LINE	38	TOMPKINS HILL Rd
70.77	R+	FNBT	TYPE V ARROW	33	FIELDS LANDING OH (TOMPKINS HILL Rd) NB OFF RAMP
70.79	R+	FSBT	TYPE V ARROW	33	FIELDS LANDING OH (TOMPKINS HILL Rd) NB OFF RAMP
70.79	R+	FNBT	TYPE I-18 ARROW	25	FIELDS LANDING OH (TOMPKINS HILL Rd) NB ON RAMP
70.86	L+	FNBT	TYPE V ARROW	33	FIELDS LANDING OH (TOMPKINS HILL Rd) SB ON RAMP
70.86	L+	FSBT	TYPE V ARROW	33	FIELDS LANDING OH (TOMPKINS HILL Rd) SB OFF RAMP
70.89	L+	FSBT	TYPE V ARROW	33	FIELDS LANDING OH (TOMPKINS HILL Rd) SB OFF RAMP
71.80	L+	FSBT	TYPE V ARROW	33	ORCHARD Ave UC SB ON RAMP
71.88	L+	FSBT	TYPE V ARROW	33	ORCHARD Ave UC SB ON RAMP
71.95	R+	FNBT	STOP	22	ORCHARD Ave UC NB OFF RAMP
72.96	R+	FNBT	AHEAD	31	ORCHARD Ave UC NB OFF RAMP
71.98	R+	FNBT	TYPE V ARROW	33	ORCHARD Ave UC NB OFF RAMP
72.00	R+	FNBT	TYPE V ARROW	33	ORCHARD Ave UC NB OFF RAMP
72.03	R+	FNBT	TYPE V ARROW	33	ORCHARD Ave UC NB OFF RAMP
72.05	R+	FNBT	LIMIT LINE / ISLAND	150	ORCHARD Ave UC NB OFF RAMP
72.05	R+	FNBT	STOP	22	ORCHARD Ave UC NB OFF RAMP
72.07	R+	FNBT	TYPE I-18 ARROW	25	ORCHARD Ave UC NB OFF RAMP
72.15	L+	FSBT	TYPE V ARROW	33	ORCHARD Ave UC SB OFF RAMP
72.15	L+	FSBT	ISLAND	77	ORCHARD Ave UC SB OFF RAMP
72.15	L+	FSBT	TYPE V ARROW	33	ORCHARD Ave UC SB OFF RAMP
72.18	L+	FSBT	TYPE V ARROW	33	ORCHARD Ave UC SB OFF RAMP
72.74	R+	FNBT	STOP	22	KING SALMON Ave UC NB OFF RAMP
72.75	R+	FNBT	AHEAD	31	KING SALMON Ave UC NB OFF RAMP
72.77	R+	FNBT	TYPE V ARROW	33	KING SALMON Ave UC NB OFF RAMP
72.79	R+	FNBT	TYPE V ARROW	33	KING SALMON Ave UC NB OFF RAMP
72.86	R+	FNBT	TYPE V ARROW	33	KING SALMON Ave UC NB OFF RAMP
72.87	R+	FNBT	STOP	22	KING SALMON Ave UC NB OFF RAMP
72.87	R+	FNBT	STOP	22	KING SALMON Ave UC NB OFF RAMP
72.87	R+	FNBT	LIMIT LINE	50	KING SALMON Ave UC NB OFF RAMP
72.87	L+	FSBT	TYPE I-18 ARROW	25	KING SALMON Ave UC SB ON RAMP
72.88	L+	FSBT	TYPE V ARROW	33	KING SALMON Ave UC SB ON RAMP
72.88	L+	FSBT	TYPE V ARROW	33	KING SALMON Ave UC SB ON RAMP
72.89	L+	FSBT	ISLAND	113	KING SALMON Ave UC SB ON RAMP
72.89	R+	FNBT	LIMIT LINE	28	KING SALMON Ave UC NB ON RAMP
72.89	R+	FNBT	STOP	22	KING SALMON Ave UC NB ON RAMP
72.89	R+	FNBT	STOP	22	KING SALMON Ave UC NB ON RAMP
72.90	L+	FSBT	LIMIT LINE / ISLAND	120	KING SALMON Ave UC SB OFF RAMP
72.90	L+	FSBT	STOP	22	KING SALMON Ave UC SB OFF RAMP
72.90	L+	FSBT	TYPE V ARROW	33	KING SALMON Ave UC SB OFF RAMP
72.91	L+	FSBT	TYPE V ARROW	33	KING SALMON Ave UC SB OFF RAMP
72.93	L+	FSBT	TYPE V ARROW	33	KING SALMON Ave UC SB OFF RAMP
72.94	R+	FNBT	LIMIT LINE	33	S BROADWAY St
72.94	R+	FNBT	STOP	22	S BROADWAY St
72.94	R+	FNBT	STOP	22	S BROADWAY St
72.95	R+	FNBT	TYPE V ARROW	33	KING SALMON Ave UC NB ON RAMP
72.99	L+	FSBT	AHEAD	31	KING SALMON Ave UC SB OFF RAMP
73.00	L+	FSBT	STOP	22	KING SALMON Ave UC SB OFF RAMP
73.59	R+	FNBT	STOP	22	SPRUCE POINT OC NB OFF RAMP
73.60	R+	FNBT	AHEAD	31	SPRUCE POINT OC NB OFF RAMP
73.66	R+	FNBT	TYPE V ARROW	33	SPRUCE POINT OC NB OFF RAMP
73.67	R+	FNBT	TYPE V ARROW	33	HUMBOLDT HILL Rd
73.68	R+	FWBT	LIMIT LINE	30	HILL Rd
73.68	R+	FWBT	STOP	22	HILL Rd
73.68	R+	FNBT	TYPE V ARROW	33	HUMBOLDT HILL Rd
73.68	R+	FNBT	TYPE V ARROW	33	SPRUCE POINT OC NB OFF RAMP
			SUBTOTAL SHEET PDQ-3	2110	
			CONTINUED ON SHEET PDQ-4		

PAVEMENT DELINEATION QUANTITIES

PDQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: R. B. McCARTHY
CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG
REVISED BY / DATE REVISED

LAST REVISION 00-00-00 DATE PLOTTED => 17-APR-2014 TIME PLOTTED => 13:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	17	31

REGISTERED CIVIL ENGINEER 1/21/14 DATE

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 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.

THERMOPLASTIC PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)

LOCATION (PM)	Lt/Rt MEDIAN	ORIENTATION	TYPE / LEGEND	AREA (SQFT)	REMARKS
73.68	Rt	FEBT	LIMIT LINE	23	HILL Rd
73.68	Rt	FEBT	STOP	22	HILL Rd
73.68	Rt	FNBT	LIMIT LINE	56	SPRUCE POINT OC NB OFF RAMP
73.68	Rt	FNBT	STOP	22	SPRUCE POINT OC NB OFF RAMP
73.68	Rt	FNBT	STOP	22	SPRUCE POINT OC NB OFF RAMP
73.71	Rt	FNBT	TYPE V ARROW	33	SPRUCE POINT VISTA POINT
73.72	Rt	FEBT	LIMIT LINE	56	SPRUCE POINT VISTA POINT
73.72	Rt	FEBT	STOP	22	SPRUCE POINT VISTA POINT
73.72	Rt	FEBT	TYPE V ARROW	33	SPRUCE POINT VISTA POINT
73.72	Rt	FEBT	STOP	22	SPRUCE POINT VISTA POINT
73.74	Rt	FSBT	TYPE V ARROW	33	SPRUCE POINT VISTA POINT
73.80	Rt	FNBT	TYPE V ARROW	33	SPRUCE POINT OC NB OFF RAMP
73.83	Lt	FNBT	TYPE V ARROW	33	SPRUCE POINT OC SB ON RAMP
73.86	Lt	FSBT	TYPE V ARROW	33	HUMBOLDT HILL Rd
73.86	Lt	FNBT	LIMIT LINE	19	HUMBOLDT HILL Rd
73.86	Lt	FNBT	STOP	22	HUMBOLDT HILL Rd
73.87	Lt	FNBT	TYPE V ARROW	33	SPRUCE POINT OC SB ON RAMP
73.88	Lt	FEBT	LIMIT LINE	31	TOOBY Rd
73.88	Lt	FEBT	STOP	22	TOOBY Rd
73.88	Lt	FSBT	TYPE V ARROW	33	SPRUCE POINT OC SB OFF RAMP
73.91	Lt	FSBT	TYPE V ARROW	33	SPRUCE POINT OC SB OFF RAMP
74.68	Rt	FNBT	STOP	22	HERRICK Ave OC NB OFF RAMP
74.69	Rt	FNBT	AHEAD	31	HERRICK Ave OC NB OFF RAMP
74.75	Rt	FNBT	TYPE V ARROW	33	HERRICK Ave OC NB OFF RAMP
74.75	Lt	FSBT	TYPE I-18 ARROW	25	HERRICK Ave OC SB ON RAMP
74.76	Lt	FSBT	LIMIT LINE	58	HERRICK Ave OC SB OFF RAMP
74.77	Lt	FSBT	STOP	22	HERRICK Ave OC SB OFF RAMP
74.77	Lt	FSBT	STOP	22	HERRICK Ave OC SB OFF RAMP
74.77	Rt	FNBT	TYPE V ARROW	33	HERRICK Ave OC NB OFF RAMP
74.77	Rt	FNBT	LIMIT LINE	70	HERRICK Ave OC NB OFF RAMP
74.77	Rt	FNBT	STOP	22	HERRICK Ave OC NB OFF RAMP
74.77	Rt	FNBT	STOP	22	HERRICK Ave OC NB OFF RAMP
74.77	Lt	FSBT	TYPE V ARROW	33	HERRICK Ave OC SB OFF RAMP
74.78	Lt	FSBT	TYPE V ARROW	33	HERRICK Ave PARK & RIDE
74.79	Rt	FNBT	TYPE I-18 ARROW	25	HERRICK Ave OC NB ON RAMP
74.79	Lt	FSBT	TYPE V ARROW	33	HERRICK Ave OC SB OFF RAMP
74.81	Rt	FNBT	LIMIT LINE	19	HERRICK Ave PARK & RIDE
74.81	Rt	FNBT	STOP	22	HERRICK Ave PARK & RIDE
74.82	Lt	FSBT	AHEAD	31	HERRICK Ave OC SB OFF RAMP
74.83	Lt	FSBT	STOP	22	HERRICK Ave OC SB OFF RAMP
75.06	Rt	FNBT	SIGNAL	32	NB No. 1 LANE
75.06	Rt	FNBT	SIGNAL	32	NB No. 2 LANE
75.07	Rt	FNBT	AHEAD	31	NB No. 1 LANE
75.07	Rt	FNBT	AHEAD	31	NB No. 2 LANE
75.10	MEDIAN	FNBT	TYPE III (L) ARROW	42	MEDIAN
75.11	MEDIAN	FSBT	TYPE III (L) ARROW	42	MEDIAN
75.18	MEDIAN	FNBT	TYPE III (L) ARROW	42	MEDIAN
75.19	MEDIAN	FSBT	TYPE III (L) ARROW	42	MEDIAN
75.21	Rt	FNBT	TYPE V ARROW	33	NB No. 1 LANE
75.21	Rt	FNBT	TYPE V ARROW	33	NB No. 2 LANE
75.23	Rt	FNBT	TYPE V ARROW	33	NB No. 1 LANE
75.23	Rt	FNBT	TYPE V ARROW	33	NB No. 2 LANE
75.23	Rt	FNBT	LIMIT LINE	38	K-MART ENTRANCE
75.24	Rt	FWBT	CROSSWALK	150	K-MART ENTRANCE
75.24	LT	FSBT	CROSSWALK	160	K-MART ENTRANCE
			SUBTOTAL THIS SHEET	1988	
			SUBTOTAL SHEET PDQ-3	2110	
			TOTAL	4098	

RUMBLE STRIP

FROM	TO	Lt/Rt	CENTERLINE RUMBLE STRIP	SHOULDER RUMBLE STRIP
			Sta	
69.90	70.62	Lt		38
69.90	70.59	Rt		36
69.90	70.61	Lt	37	
69.90	70.61	Rt	37	
70.75	70.85	Rt		5
70.69	72.03	Lt	71	
70.69	72.03	Rt	71	
71.00	71.82	Rt		43
70.85	70.93	Lt		4
71.06	71.68	Lt		33
71.80	72.02	Lt		12
71.89	72.02	Rt		7
72.05	72.17	Rt		6
72.05	72.33	Lt		15
72.06	72.87	Lt	43	
72.06	72.87	Rt	43	
72.45	72.65	Lt		11
72.52	72.61	Rt		5
72.71	72.86	Rt		8
72.74	72.88	Lt		7
72.89	73.02	Rt		7
72.90	74.58	Lt	89	
72.90	74.58	Rt	89	
72.90	73.04	Lt		7
73.06	73.68	Lt		33
73.13	73.43	Rt		16
73.55	73.87	Rt		17
73.84	74.04	Lt		11
74.01	74.50	Rt		26
74.33	74.42	Lt		5
		TOTALS	479	351

PAVEMENT DELINEATION QUANTITIES

PDQ-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: R. B. McCARTHY
CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG
REVISED BY / DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 17-APR-2014 | TIME PLOTTED => 13:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	18	31

REGISTERED CIVIL ENGINEER DATE 1/21/14

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 CIVIL STATE OF CALIFORNIA

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1

EXISTING TMS ELEMENTS

ELEMENT	PM	DESCRIPTION
CCTV	73.05	SPRUCE POINT
RWIS	73.05	SPRUCE POINT
EMS	74.7	SB S/O HERRICK Ave (L+)
EMS	74.7	NB S/O HERRICK Ave (R+)

RWIS ROADWAY WEATHER INFORMATION SYSTEM
EMS EXTINGUISHABLE MESSAGE SIGN

ROADWAY

LOCATION (POST MILE)			WIDTH	AREA	HOT MIX ASPHALT (TYPE A)	RUBBERIZED HOT MIX ASPHALT (GAP GRADED-WMA)	TACK COAT	COLD PLANE ASPHALT CONCRETE PAVEMENT	ASPHALTIC EMULSION (FOG SEAL COAT)	REMARKS
FROM	TO	L+/R+	FT	SQFT	TON	TON	TON	SQYD	TON	
69.90	69.93		72.0	11405		113	0.6	578		Hum 101
69.93	70.61		80.0	16899.2		2838	16.0	1877.7		Hum 101
69.93	72.87	L+	6.0	93135		0	4.31	10349	3.88	MEDIAN BARRIER CONFORM
69.93	72.87	R+	6.0	93135		0	4.31	10349	3.88	MEDIAN BARRIER CONFORM
70.61	70.69		96.0			0	0.0	0		TOMPKINS HILL Rd OH
70.69	72.03		68.0	481114		4753	26.7	53457		Hum 101
70.68	70.76	R+		6731		67	0.4	748		TOMPKINS HILL Rd OH NB OFF RAMP (GORE)
70.71	70.85	L+		9980		99	0.6	1109		TOMPKINS HILL Rd OH SB ON RAMP (GORE)
70.85	71.13	R+		11755		116	0.7	1306		TOMPKINS HILL Rd OH NB ON RAMP (GORE)
70.94	71.04	L+		7074		70	0.4	786		TOMPKINS HILL Rd OH SB OFF RAMP (GORE)
71.66	71.80	L+		8980		89	0.5	998		ORCHARD Ave UC SB ON RAMP (GORE)
71.80	71.88	L+	24.0	9096	40		0.5	1011		ORCHARD Ave UC SB ON RAMP (RAMP)
71.88	71.88	L+		1061	10		0.1	118		ORCHARD Ave UC SB ON RAMP (DEPOT Rd CONNECTION)
71.83	71.90	R+		5996		59	0.3	666		ORCHARD Ave UC NB OFF RAMP (GORE)
72.03	72.06		106.0			0	0.0	0		ORCHARD Ave UC
72.06	72.45		68.0	140026		1383	7.8	15558		Hum 101
72.15	72.16	L+		2691	27		0.1	299		ORCHARD Ave UC SB OFF RAMP (C St CONNECTION)
72.16	72.33	L+	23.5	21432	212		1.2	2381		ORCHARD Ave UC SB OFF RAMP (RAMP)
72.33	72.43	L+		7603		75	0.4	845		ORCHARD Ave UC SB OFF RAMP (GORE)
72.17	72.32	R+		6628		65	0.4	736		ORCHARD Ave UC NB ON RAMP (GORE)
72.45	72.64		68.0	68218		674	3.8	7580		Hum 101
72.64	72.67		68.0	10771		106	0.6	1197		Hum 101
72.67	72.88		68.0	75398		745	4.2	8378		Hum 101
72.61	72.73	R+		9113		90	0.5	1013		KING SALMON Ave UC NB OFF RAMP (GORE)
72.61	72.74	L+		7595		75	0.4	844		KING SALMON Ave UC SB ON RAMP (GORE)
72.88	72.90		74.0			0	0.0	0		KING SALMON Ave UC
72.90	74.55		68.0	592416		5853	32.9	65824		Hum 101
72.89	72.92	L+		4837	48		0.3	537		KING SALMON Ave UC SB OFF RAMP (KING SALMON Ave CONNECTION)
SUBTOTAL THIS SHEET				1,703,089	387	17,270	108.0	188,545	7.76	
CONTINUED ON SHEET Q-2										

1 REVISED PER ADDENDUM No.1 DATED APRIL 18, 2014

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
FUNCTIONAL SUPERVISOR R. B. McCARTHY
CALCULATED-DESIGNED BY G. J. THORNE
CHECKED BY S. BRANDENBURG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 17-APR-2014
TIME PLOTTED => 13:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	19	31

REGISTERED CIVIL ENGINEER DATE 1/21/14

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp 12-31-15 CIVIL STATE OF CALIFORNIA

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1

ROADWAY

LOCATION (POST MILE)			WIDTH	AREA	HOT MIX ASPHALT (TYPE A)	RUBBERIZED HOT MIX ASPHALT (GAP GRADED-WMA)	TACK COAT	COLD PLANE ASPHALT CONCRETE PAVEMENT	ASPHALTIC EMULSION (FOG SEAL COAT)	REMARKS
FROM	TO	L+/R+	FT	SQFT	TON	TON	TON	SQYD	TON	
72.92	73.04	L+	22.0	14278	141		0.8	1586		KING SALMON Ave UC SB OFF RAMP (RAMP)
73.04	73.22	L+		9831		97	0.5	1092		KING SALMON Ave UC SB OFF RAMP (GORE)
72.94	72.95	R+		1146	11		0.1	127		KING SALMON Ave UC NB ON RAMP (So BROADWAY S+ CONNECTION)
72.95	73.03	R+	23.0	10511	104		0.6	1168		KING SALMON Ave UC NB ON RAMP (RAMP)
73.03	73.15	R+		7579		75	0.4	842		KING SALMON Ave UC NB ON RAMP (GORE)
73.45	73.57	R+		9420		93	0.5	1047		SPRUCE POINT NB OFF RAMP (GORE)
73.57	73.67	R+	21.5	11868	117		0.7	1319		SPRUCE POINT NB OFF RAMP (RAMP)
73.67	73.69	R+		5837	58		0.3	649		SPRUCE POINT NB OFF RAMP
73.70	73.73		68.0			0	0.0	0		SPRUCE POINT OC
73.66	73.84	L+		11601	115		0.6	1289		SPRUCE POINT SB ON RAMP (GORE)
73.80	73.81	R+		904	9		0.1	100		SPRUCE POINT NB ON RAMP
73.81	73.88	R+	23.0	9867	97		0.5	1096		SPRUCE POINT NB ON RAMP (RAMP)
73.88	74.06	R+		9820		97	0.5	1091		SPRUCE POINT NB ON RAMP (GORE)
73.88	73.91	L+		3941	39		0.2	438		SPRUCE POINT SB OFF RAMP
73.91	74.02	L+	22.5	14175	140		0.8	1575		SPRUCE POINT SB OFF RAMP (RAMP)
74.02	74.17	L+		8918		88	0.5	991		SPRUCE POINT SB OFF RAMP (GORE)
74.55	74.60		68.0	17952		177	1.0	1995		HUM 101
74.54	74.58	R+		1001		10	0.1	111		HERRICK Ave OC NB OFF RAMP (TAPER)
74.40	74.60	L+		10619		105	0.6	1180		HERRICK Ave OC SB ON RAMP (TAPER)
74.59	74.64					0	0.0	0		ELK RIVER Br R+
74.60	74.63					0	0.0	0		ELK RIVER Br L+
74.63	74.87		68.0	86170		851	4.8	9574		HUM 101
74.40	74.68	L+		2974		29	0.2	330		HERRICK Ave OC SB ON RAMP (GORE)
74.64	74.74	L+	24.5	12887	127		0.7	1432		HERRICK Ave OC SB ON RAMP (RAMP)
74.74	74.76	L+		3508	35		0.2	390		HERRICK Ave OC SB ON RAMP (HERRICK Ave CONNECTION)
74.64	74.65	R+		1311		13	0.1	146		HERRICK Ave OC NB OFF RAMP (GORE)
74.65	74.76	R+	22.0	15510	153		0.9	1723		HERRICK Ave OC NB OFF RAMP (RAMP)
74.76	74.78	R+		5396	53		0.3	600		HERRICK Ave OC NB OFF RAMP (HERRICK Ave CONNECTION)
74.76	74.78		68.0			0	0.0	0		HERRICK Ave OC
74.87	75.13		76.0	104333		1031	5.8	11593		HUM 101
74.78	74.80	R+		6496	64		0.4	722		HERRICK Ave OC NB ON RAMP (HERRICK Ave CONNECTION)
74.80	74.88	R+	23.5	12173	120		0.7	1353		HERRICK Ave OC NB ON RAMP (RAMP)
74.88	75.06	R+		10879		107	0.6	1209		HERRICK Ave OC NB ON RAMP (GORE)
74.76	74.78	L+		3627	36		0.2	403		HERRICK Ave OC SB OFF RAMP (HERRICK Ave CONNECTION)
74.78	74.92	L+	24.0	17160	170		1.0	1907		HERRICK Ave OC SB OFF RAMP (RAMP)
74.92	74.99	L+		5816		57	0.3	646		HERRICK Ave OC SB OFF RAMP (GORE)
SUBTOTAL SHEET Q-1				1,703,089	387	17,270	108.0	188,545	7.76	
SUBTOTAL SHEET Q-2				447,508	1589	2,830	25.0	49,724	0	
TOTAL				2,150,597	1976	20,100	133.0	238,269	7.76	

1 **REVISED PER ADDENDUM No.1 DATED APRIL 18, 2014**

SUMMARY OF QUANTITIES

Q-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **MAINTENANCE DESIGN**

FUNCTIONAL SUPERVISOR: R. B. McCARTHY
CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG
REVISED BY / DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 17-APR-2014 | TIME PLOTTED => 13:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	20	31

REGISTERED CIVIL ENGINEER 1/21/14 DATE

January 21, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GREGORY J. THORNE No. C71744 Exp. 12-31-15 CIVIL STATE OF CALIFORNIA

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SHOULDER BACKING

LOCATION (POST MILE)				DESCRIPTION	SHOULDER BACKING	REMARKS
FROM	TO	NB/SB	L†/R†	MEDIAN/SHOULDER	TON	
70.14	70.24	NB		SHOULDER	11	Hum 101
70.32	70.46	NB		SHOULDER	16	Hum 101
70.64	70.25	SB		SHOULDER	44	Hum 101
70.93	71.02	SB	L†	SHOULDER	6	FIELDS LANDING OFF RAMP
70.96	71.05	NB		SHOULDER	10	Hum 101
71.09	71.21	NB		SHOULDER	14	Hum 101
71.14	70.93	SB		SHOULDER	24	Hum 101
71.41	71.60	NB		SHOULDER	22	Hum 101
71.55	71.29	SB		SHOULDER	30	Hum 101
71.74	71.93	NB		SHOULDER	22	Hum 101
72.10	72.21	NB		SHOULDER	13	Hum 101
72.12	71.80	SB		SHOULDER	36	Hum 101
72.20	72.12	SB	L†	SHOULDER	9	ORCHARD S† UC ON RAMP
72.27	72.37	NB		SHOULDER	11	Hum 101
72.32	72.11	SB		SHOULDER	24	Hum 101
72.63	72.48	SB		SHOULDER	17	Hum 101
72.82	72.87	NB		SHOULDER	6	Hum 101
72.92	73.05	NB		MEDIAN & SHOULDER	59	Hum 101
73.10	73.23	NB		MEDIAN	15	Hum 101
73.18	73.04	SB		MEDIAN & SHOULDER	64	Hum 101
73.23	73.67	NB		MEDIAN & SHOULDER	201	Hum 101
73.35	73.24	SB		MEDIAN & SHOULDER	50	Hum 101
73.41	73.19	SB	L†	SHOULDER	25	KING SALMON OFF RAMP
73.82	73.87	SB	L† & R†	SHOULDER	25	SPRUCE P† OC ON RAMP
73.67	74.30	NB		MEDIAN	72	Hum 101
73.83	73.41	SB		MEDIAN & SHOULDER	192	Hum 101
73.95	73.83	SB		SHOULDER	14	Hum 101
74.10	73.95	SB		MEDIAN & SHOULDER	68	Hum 101
74.30	74.37	NB		MEDIAN & SHOULDER	32	Hum 101
74.32	74.14	SB		MEDIAN & SHOULDER	82	Hum 101
74.37	74.54	NB		MEDIAN	19	Hum 101
74.54	74.77	NB		MEDIAN & SHOULDER	105	Hum 101
74.89	74.32	SB		MEDIAN & SHOULDER	260	Hum 101
74.85	75.08	NB		MEDIAN & SHOULDER	105	Hum 101
74.85	74.97	NB	L† & R†	SHOULDER	14	HERRICK Ave OC OFF RAMP
75.07	74.96	SB	R†	SHOULDER	13	HERRICK Ave OC ON RAMP
75.15	75.05	SB		MEDIAN & SHOULDER	46	Hum 101
75.22	75.08	SB	L† & R†	SHOULDER	16	HERRICK Ave OC OFF RAMP
75.45	75.29	SB		SHOULDER	18	Hum 101
				TOTAL	1810	

SUMMARY OF QUANTITIES

Q-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: R. B. McCARTHY
CALCULATED-DESIGNED BY: G. J. THORNE
CHECKED BY: S. BRANDENBURG
REVISED BY
DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 17-APR-2014 | TIME PLOTTED => 13:43

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,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
01	Hum	101	69.9/75.1	21	31

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 01-21-14

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
01	Hum	101	69.9/75.1	22	31

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

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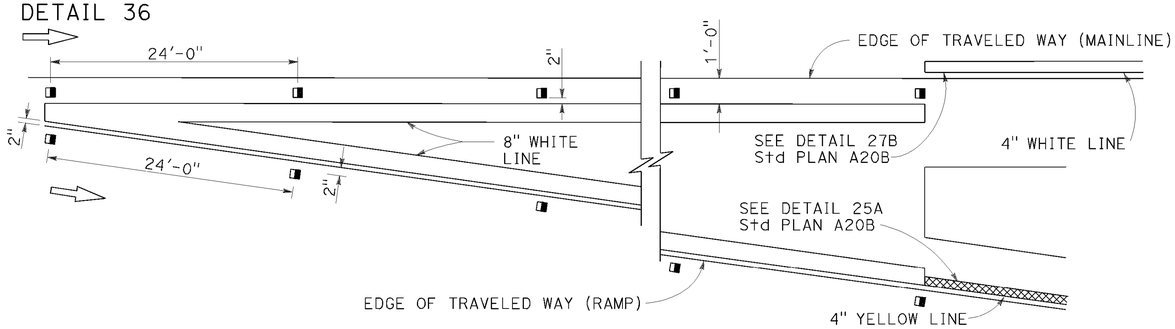
TO ACCOMPANY PLANS DATED 01-21-14

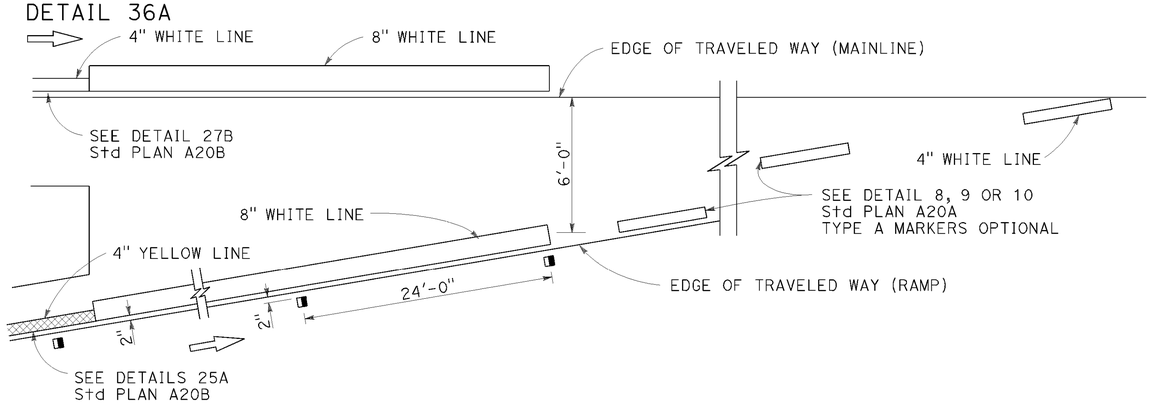
EXIT RAMP NEUTRAL AREA (GORE) TREATMENT

DETAIL 36



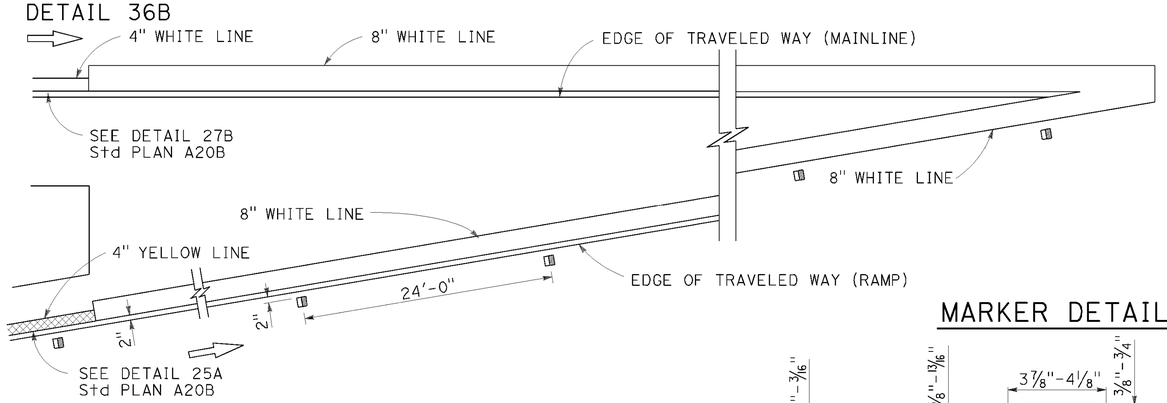
ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT

DETAIL 36A

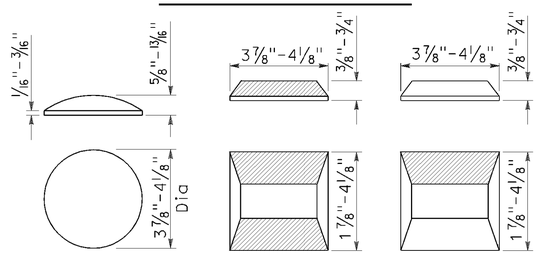


ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT

DETAIL 36B



MARKER DETAILS



RETROREFLECTIVE FACE

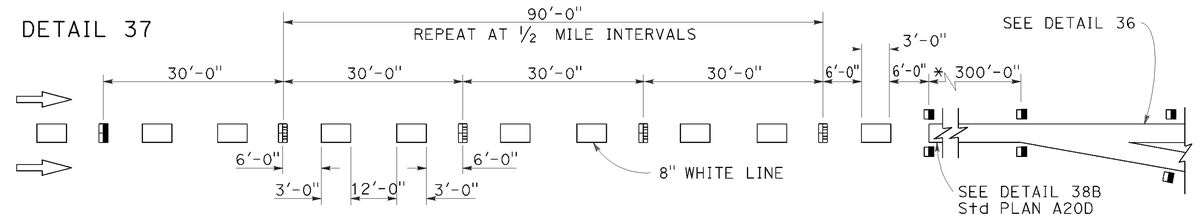
LEGEND:

MARKERS

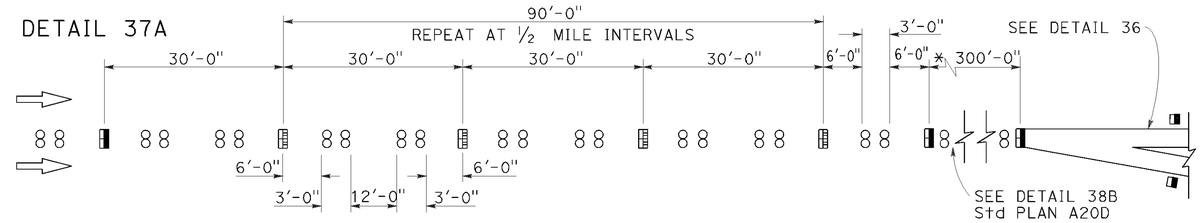
- TYPE A WHITE NON-REFLECTIVE
- TYPE C RED-CLEAR RETROREFLECTIVE
- TYPE G ONE-WAY CLEAR RETROREFLECTIVE

LANE DROP AT EXIT RAMPS

DETAIL 37



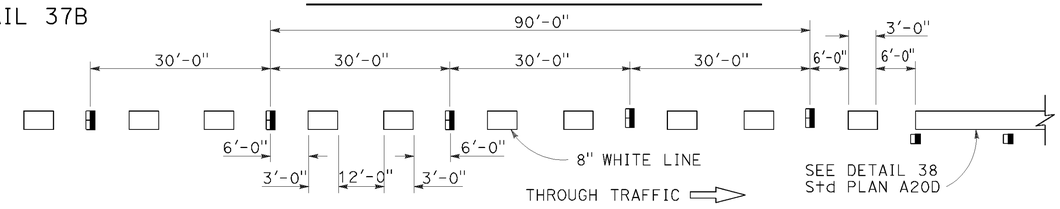
DETAIL 37A



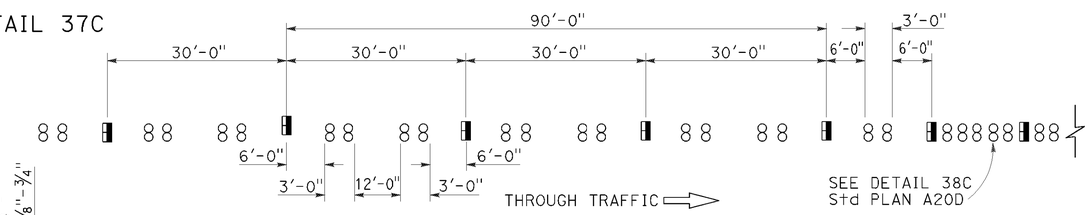
* The solid channelizing line shown may be omitted on short auxiliary lanes where weaving length is critical.

LANE DROP AT INTERSECTIONS

DETAIL 37B



DETAIL 37C



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
01	Hum	101	69.9/75.1	23	31

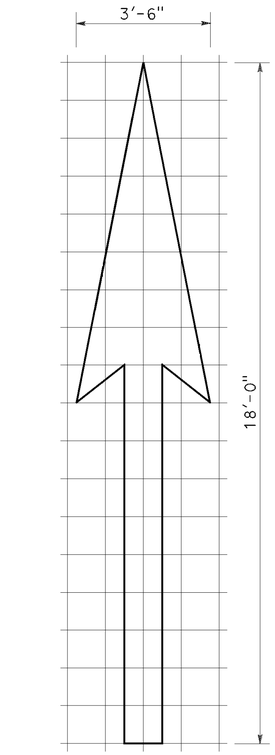
REGISTERED CIVIL ENGINEER

April 20, 2012
PLANS APPROVAL DATE

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

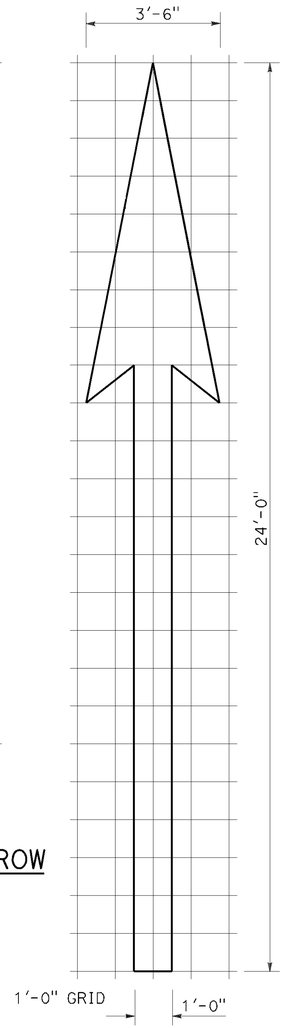
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 01-21-14



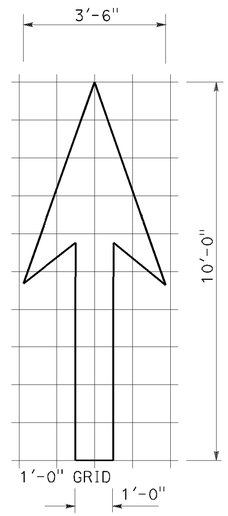
A=25 ft^2

TYPE I 18'-0" ARROW



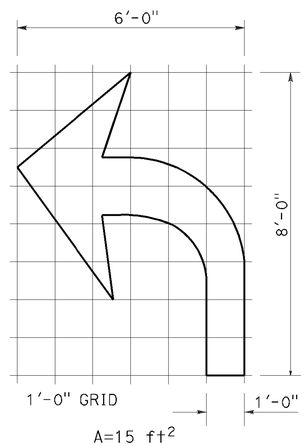
A=31 ft^2

TYPE I 24'-0" ARROW



A=14 ft^2

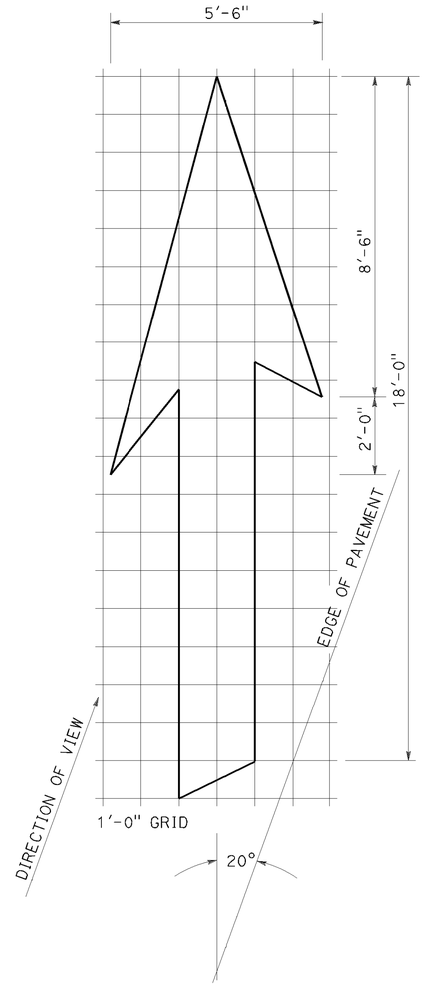
TYPE I 10'-0" ARROW



A=15 ft^2

TYPE IV (L) ARROW

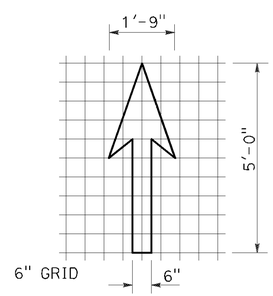
(For Type IV (R) arrow, use mirror image)



A=42 ft^2

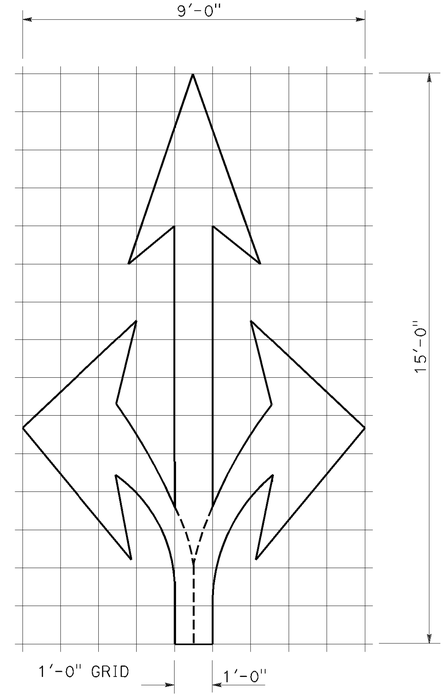
TYPE VI ARROW

Right lane drop arrow
(For left lane, use mirror image)



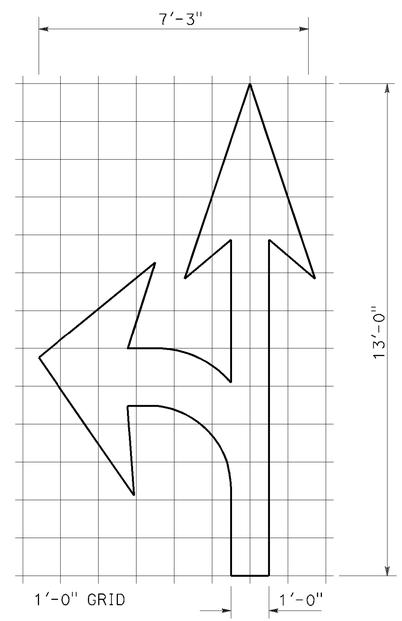
A=3.5 ft^2

BIKE LANE ARROW



A=36 ft^2

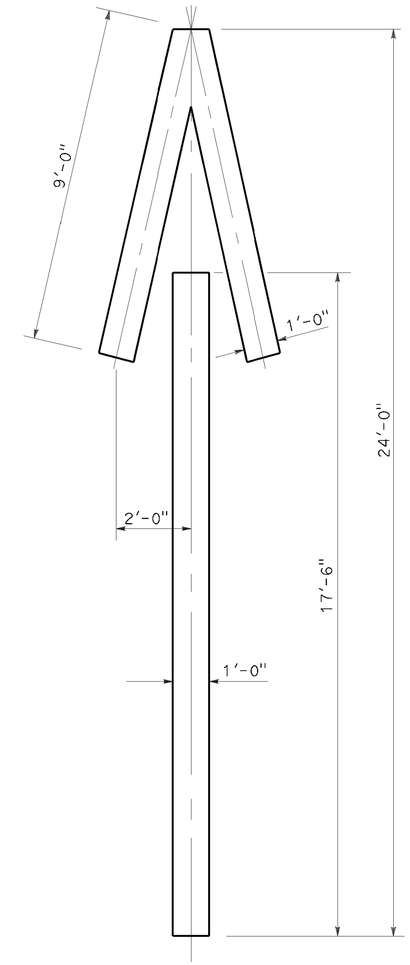
TYPE VIII ARROW



A=27 ft^2

TYPE VII (L) ARROW

(For Type VII (R) arrow, use mirror image)



A=33 ft^2

TYPE V ARROW

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS ARROWS

NO SCALE

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

REVISED STANDARD PLAN RSP A24A

2010 REVISED STANDARD PLAN RSP A24A

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	24	31

REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

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

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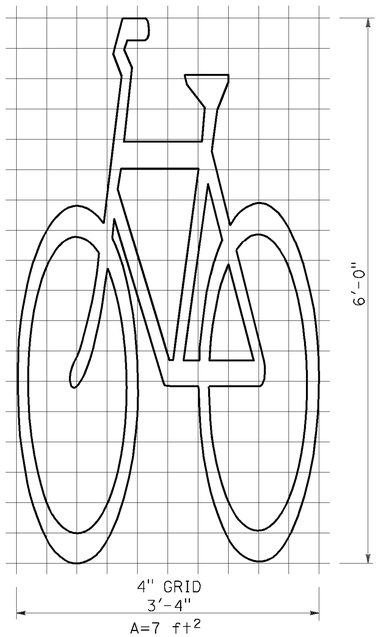
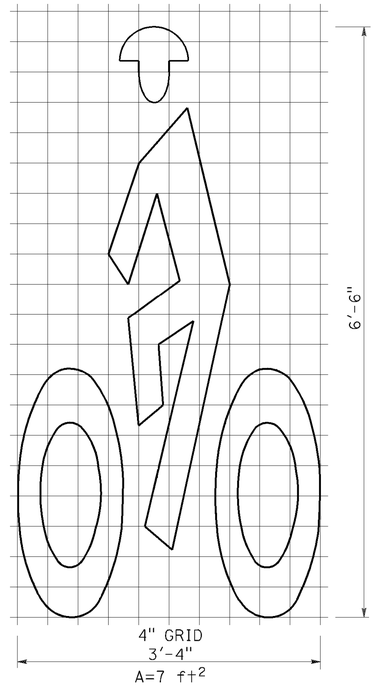
NOTE: TO ACCOMPANY PLANS DATED 01-21-14

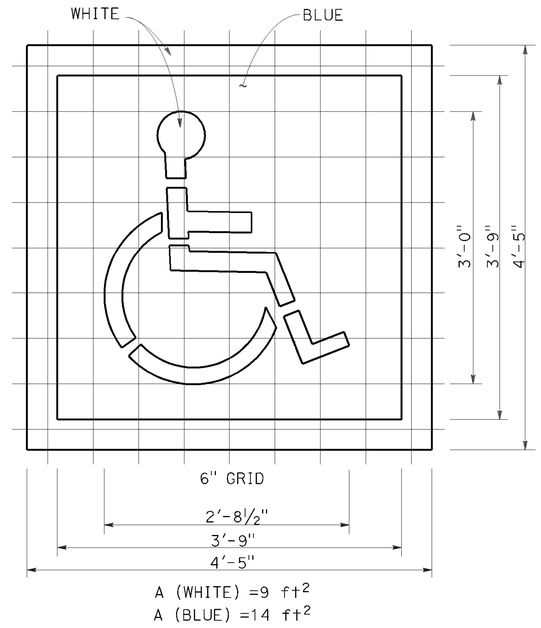
Minor variations in dimensions may be accepted by the Engineer.



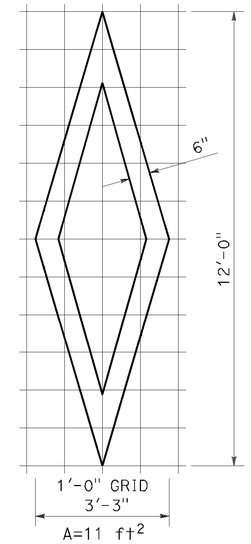
BIKE LANE SYMBOL WITHOUT PERSON



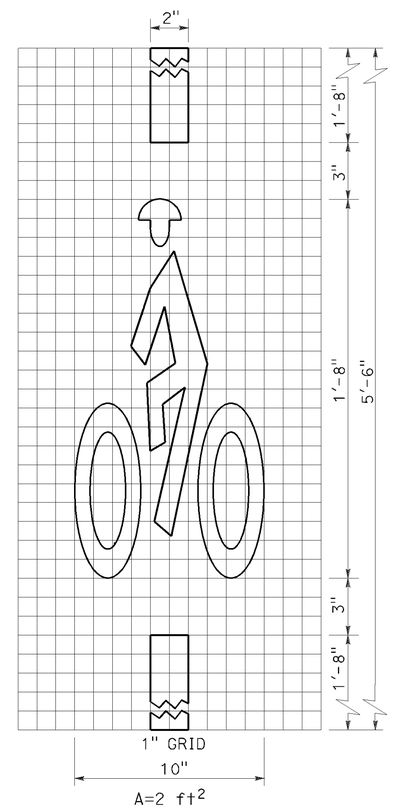
BIKE LANE SYMBOL WITH PERSON



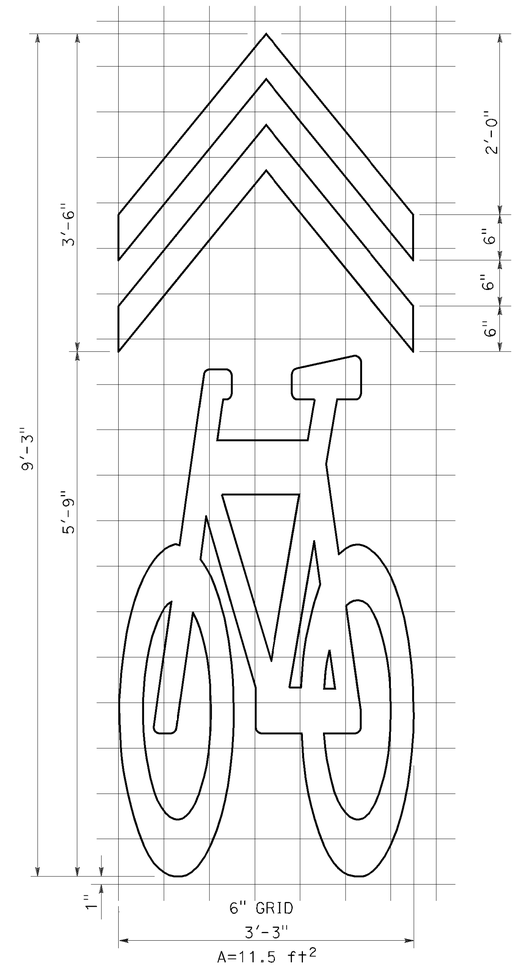
INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) MARKING



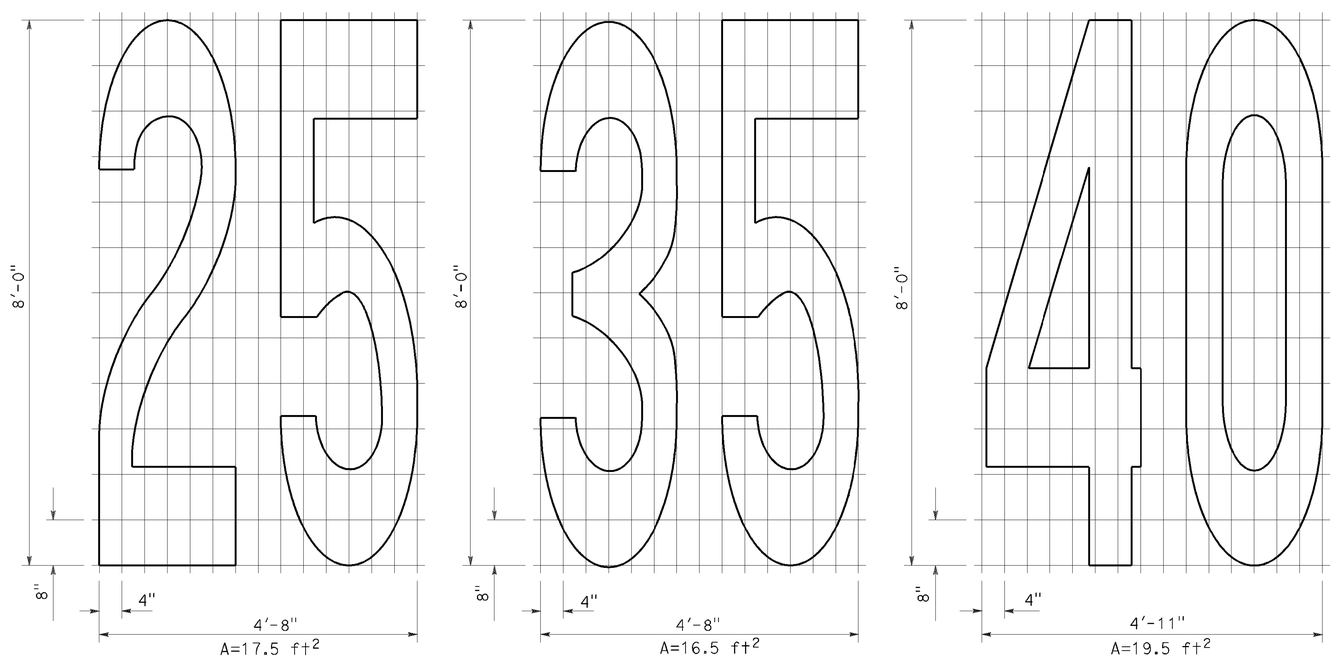
DIAMOND SYMBOL



BICYCLE LOOP DETECTOR SYMBOL



SHARED ROADWAY BICYCLE MARKING



NUMERALS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS SYMBOLS AND NUMERALS

NO SCALE

RSP A24C DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A24C DATED MAY 20, 2011 - PAGE 15 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24C

2010 REVISED STANDARD PLAN RSP A24C

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6-28-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	25	31

REGISTERED CIVIL ENGINEER

July 20, 2012
PLANS APPROVAL DATE

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

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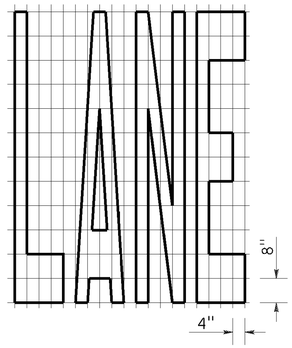
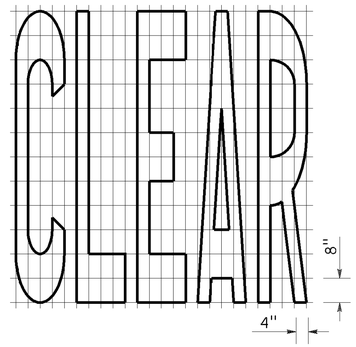
TO ACCOMPANY PLANS DATED 01-21-14



A=24 ft²



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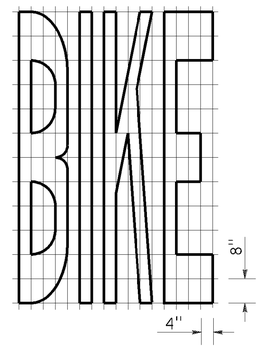
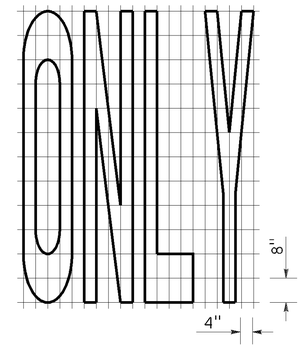
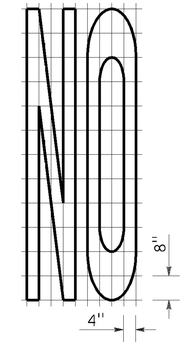


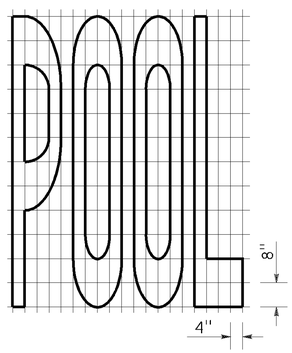
A=21 ft²



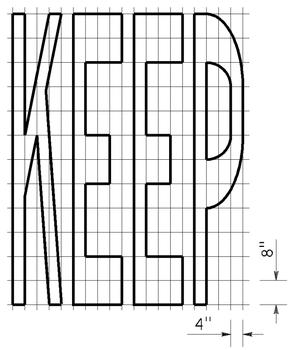
A=22 ft²



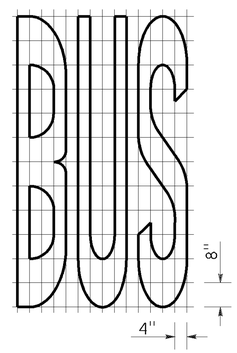
A=14 ft²



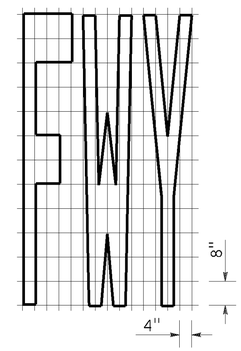
A=23 ft²



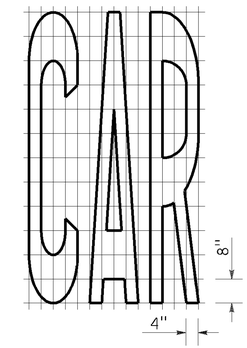
A=24 ft²



A=20 ft²

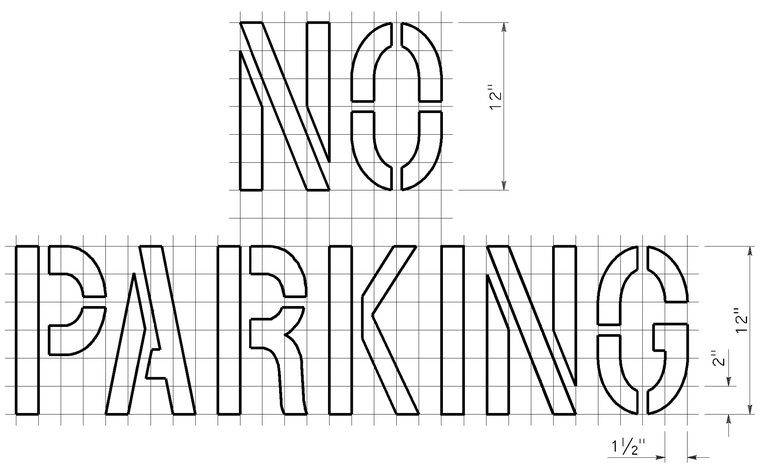


A=16 ft²

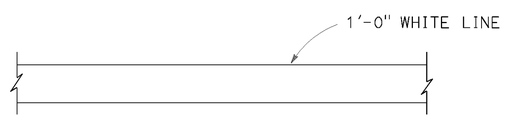


A=17 ft²

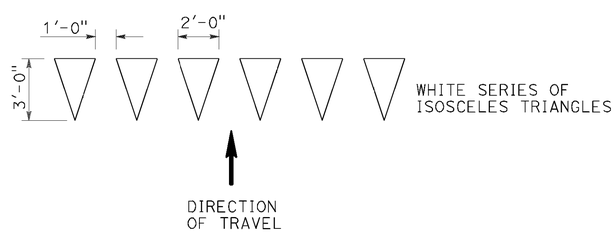
WORD MARKINGS			
ITEM	ft²	ITEM	ft²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



A=2 ft²
See Notes 6 and 7



LIMIT LINE (STOP LINE)



YIELD LINE

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS WORDS, LIMIT AND YIELD LINES

NO SCALE

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

REVISED STANDARD PLAN RSP A24E

2010 REVISED STANDARD PLAN RSP A24E

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	26	31

REGISTERED CIVIL ENGINEER

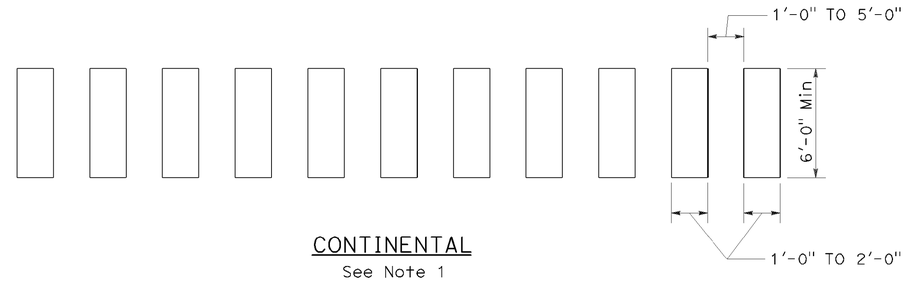
July 20, 2012
PLANS APPROVAL DATE

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

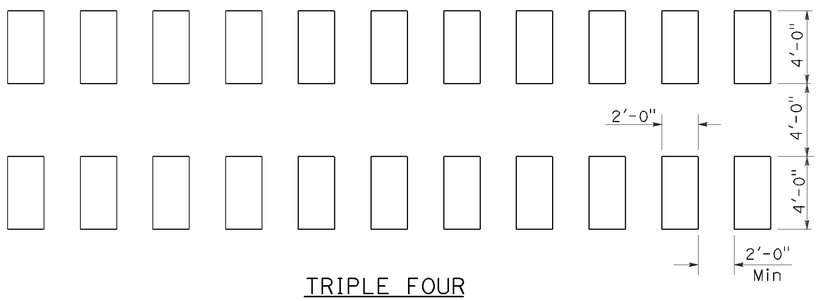
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 01-21-14

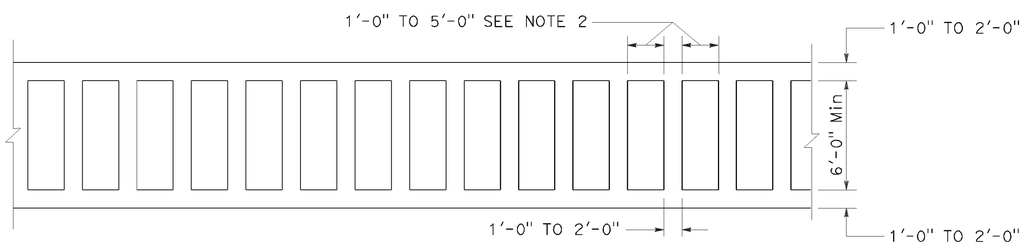
2010 REVISED STANDARD PLAN RSP A24F



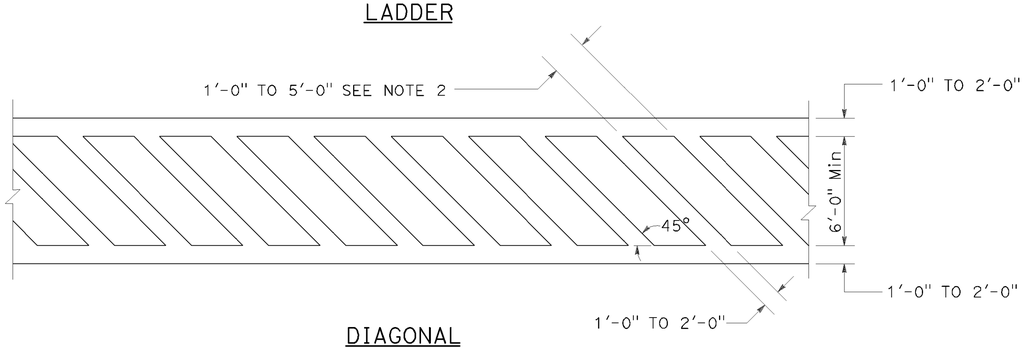
CONTINENTAL
See Note 1



TRIPLE FOUR
See Note 1



LADDER

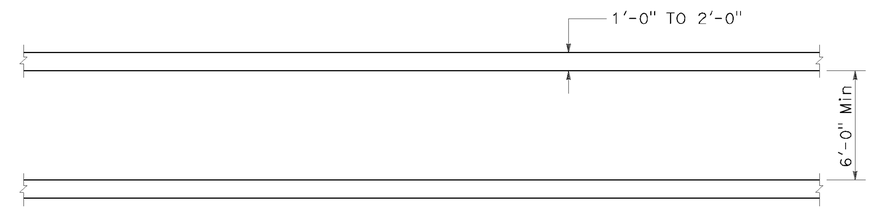


DIAGONAL

HIGHER VISIBILITY CROSSWALKS

NOTES:

1. Spaces between markings should be placed in wheel tracks of each lane.
2. Spacings not to exceed 2.5 times width of longitudinal line.
3. All crosswalk markings must be white except for those near schools must be yellow.



BASIC

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS CROSSWALKS

NO SCALE

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

REVISED STANDARD PLAN RSP A24F

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6-28-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	27	31

REGISTERED CIVIL ENGINEER

July 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 01-21-14

2010 REVISED STANDARD PLAN RSP T9

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.

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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4-30-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	28	31

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 01-21-14

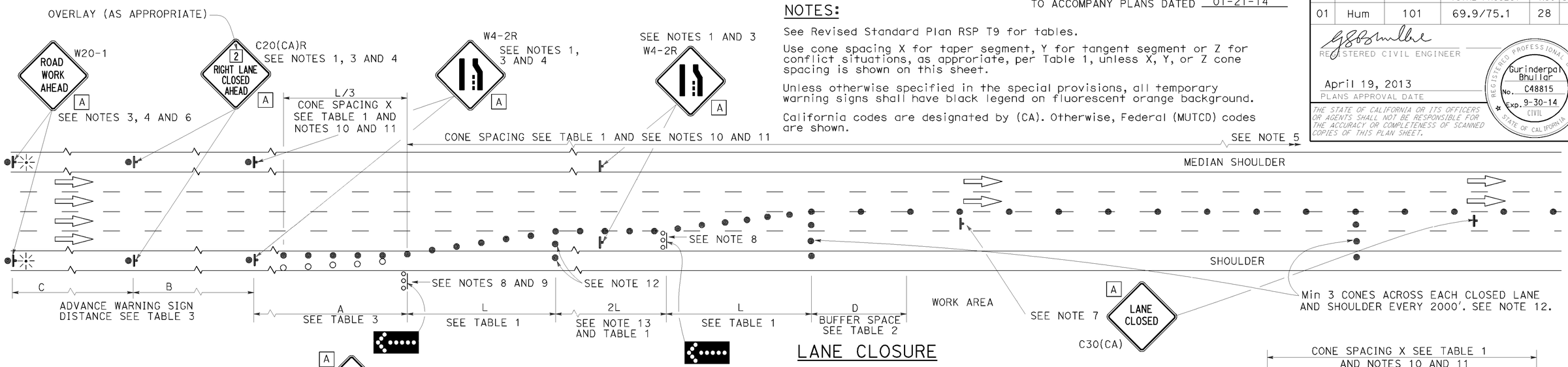
NOTES:

See Revised Standard Plan RSP T9 for tables.

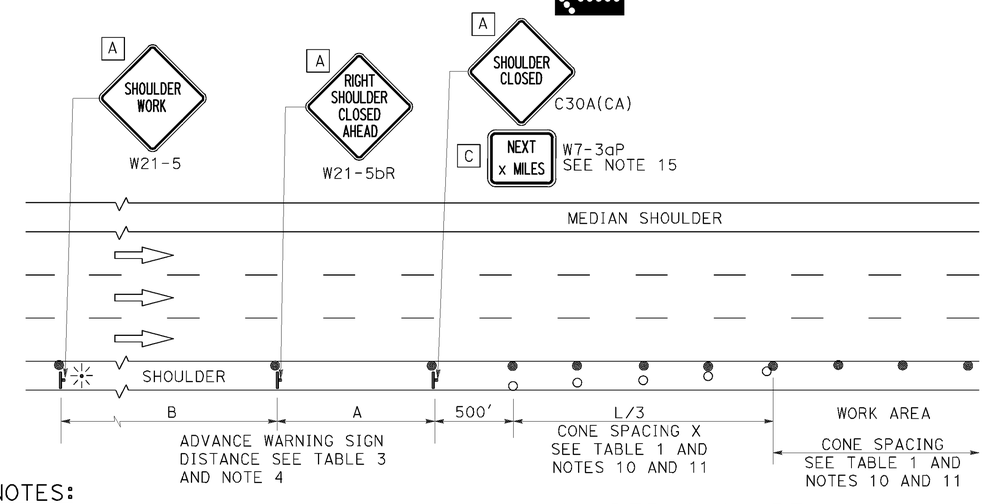
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

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

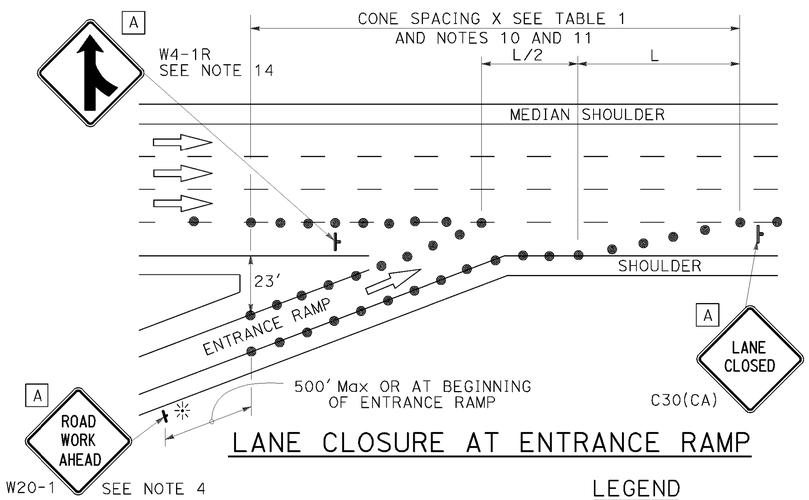
California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



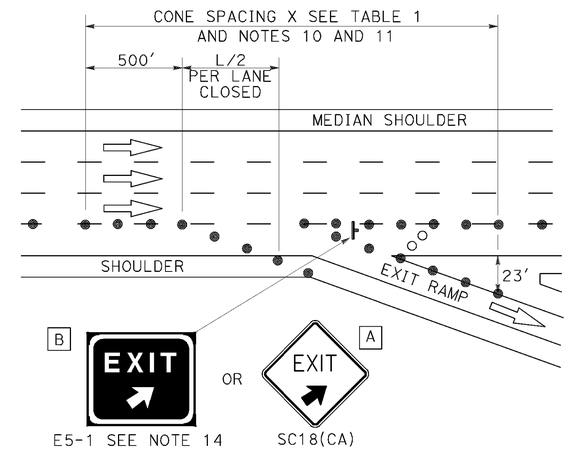
LANE CLOSURE



SHOULDER 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.
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

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12-18-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	29	31

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 01-21-14

NOTES:

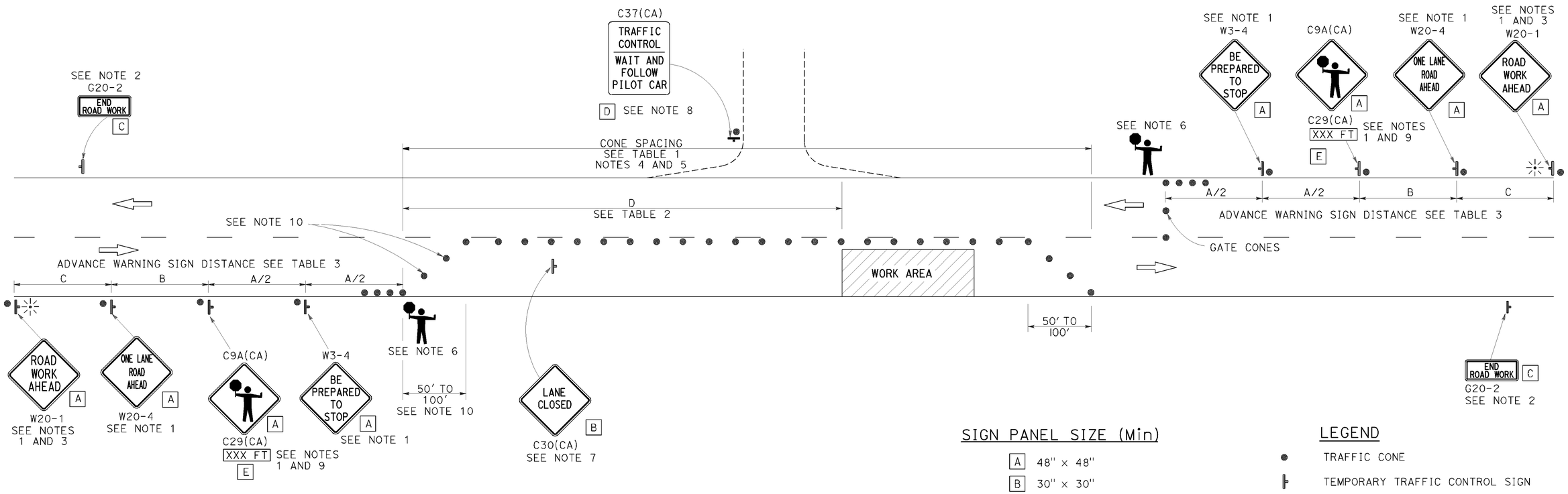
See Revised Standard Plan RSP T9 for tables.

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



SIGN PANEL SIZE (Min)

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

LEGEND

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

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.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

RSP T13 DATED APRIL 19, 2013 SUPERSEDES 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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4-2-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	30	31

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 01-21-14

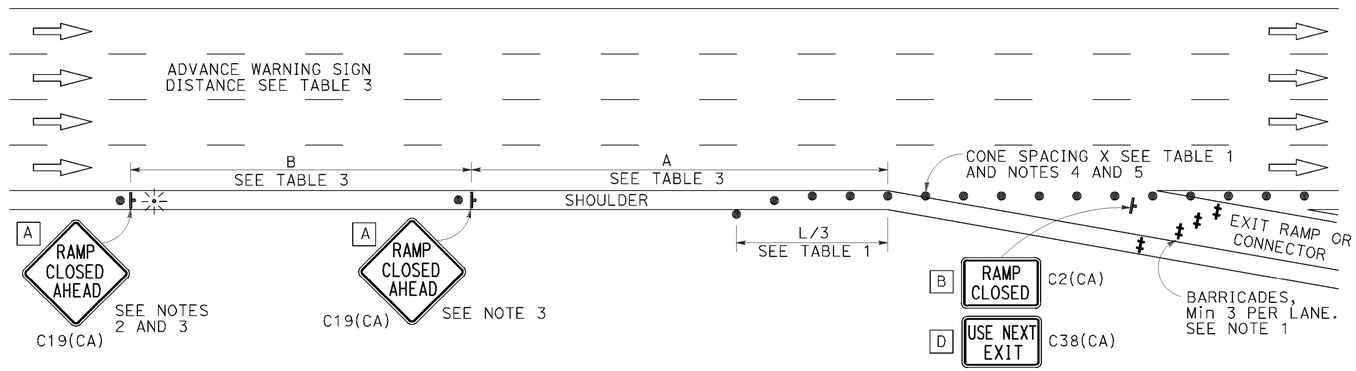
TYPICAL RAMP CLOSURES

SIGN PANEL SIZE (Min)

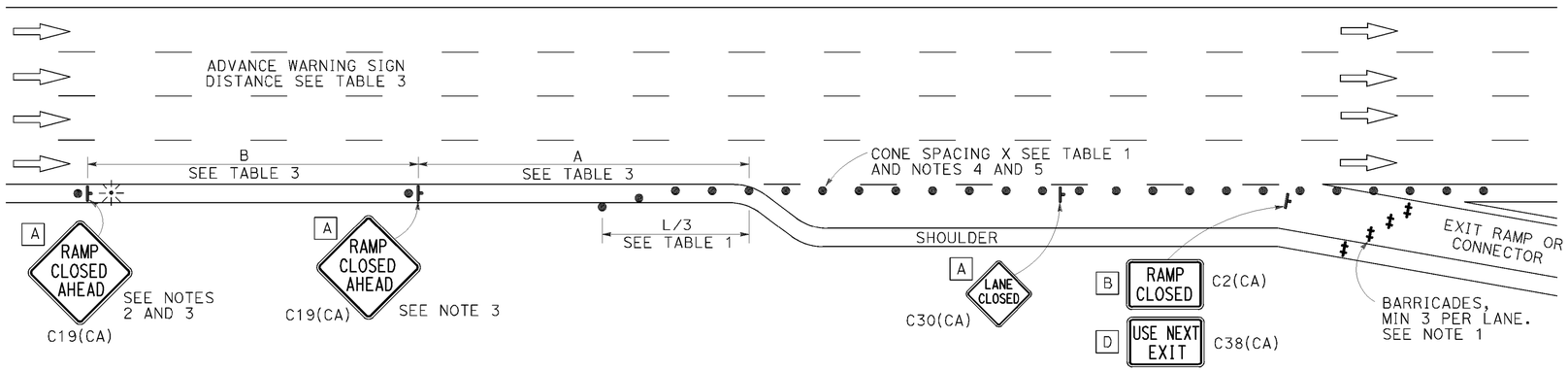
- A 48" x 48"
- B 48" x 30"
- C 36" x 36"
- D 48" x 36"

LEGEND

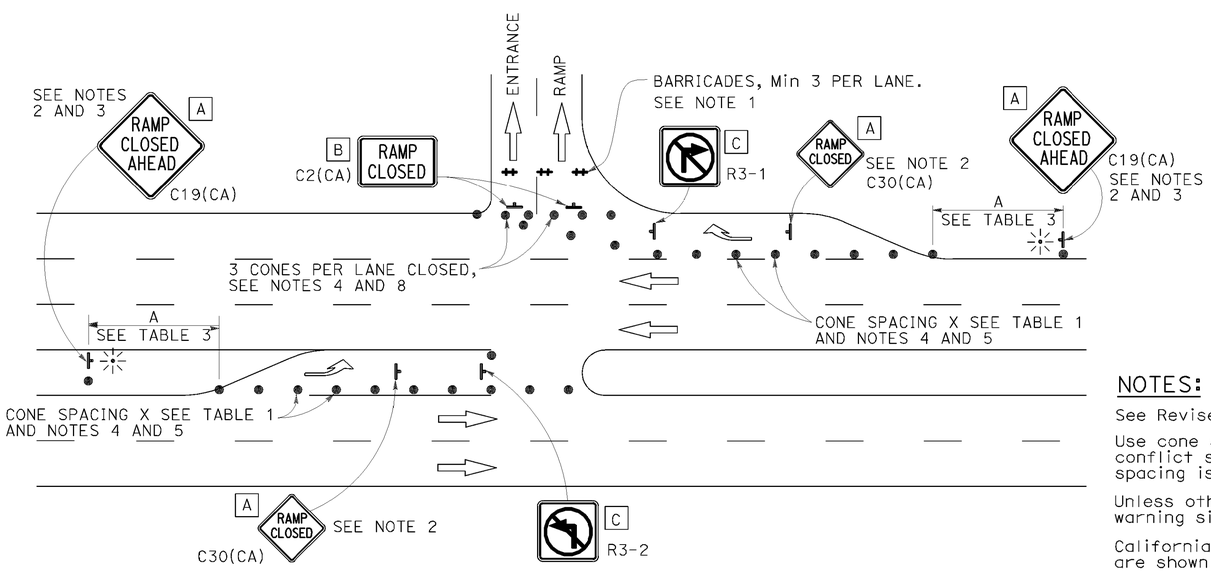
- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- BARRICADES
- PORTABLE FLASHING BEACON



EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS

NOTES:

See Revised Standard Plan RSP T9 for tables.

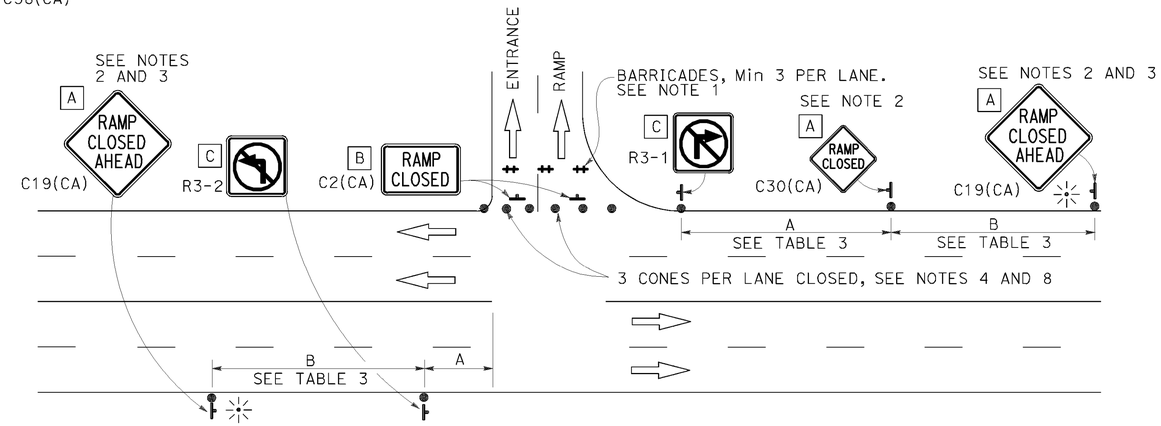
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

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.

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" x 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.



ENTRANCE RAMP WITHOUT TURNING POCKETS

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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12-18-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Hum	101	69.9/75.1	31	31

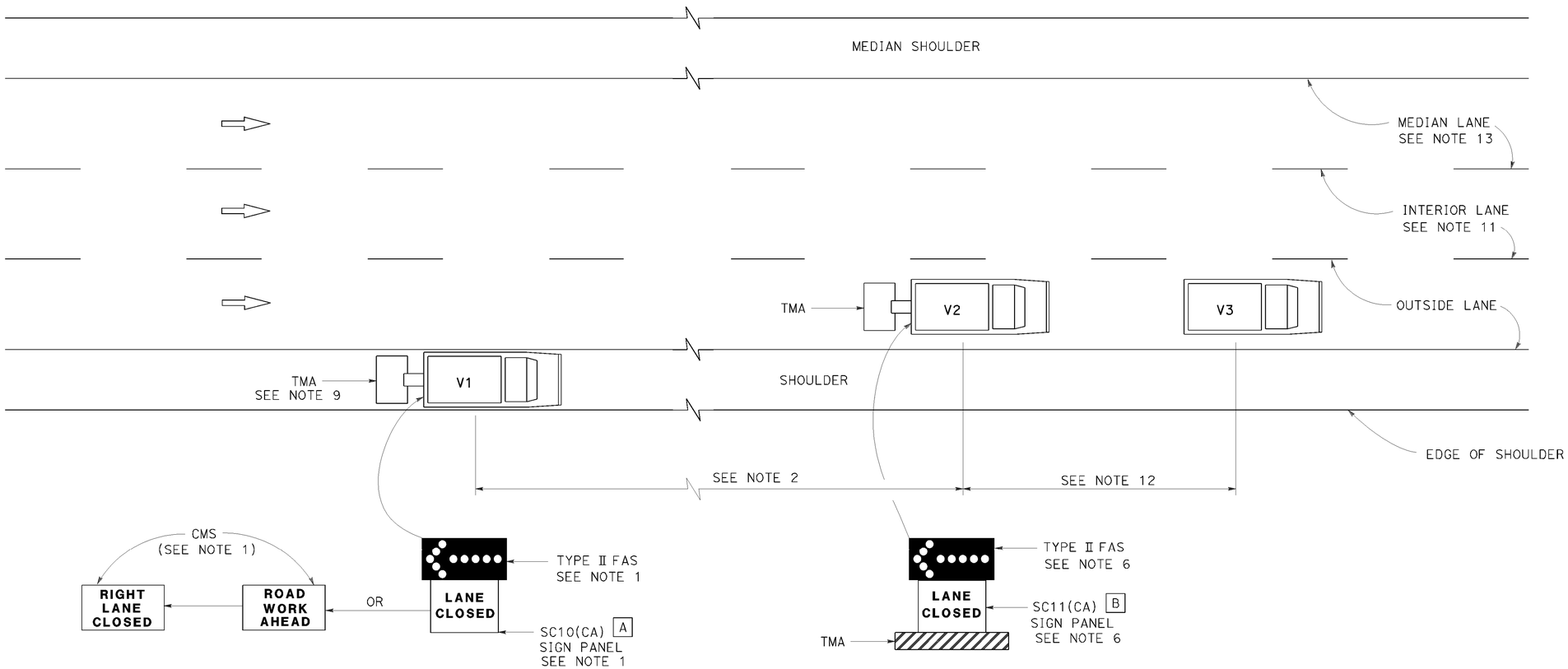
REGISTERED CIVIL ENGINEER

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 01-21-14



MOVING LANE CLOSURE ON MEDIAN LANE OR OUTSIDE LANE OF MULTILANE HIGHWAYS

SIGN PANEL SIZE (Min)

A 66" x 36"

B 54" x 42"

LEGEND

V1	SIGN VEHICLE
V2	SHADOW VEHICLE
V3	WORK/APPLICATION VEHICLE
	FLASHING ARROW SIGN (FAS)
CMS	CHANGEABLE MESSAGE SIGN
TMA	TRUCK-MOUNTED ATTENUATOR

NOTES:

1. Either a changeable message sign or a SC10(CA) sign panel and a Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1. The changeable message sign shall be sequenced to show the "ROAD WORK AHEAD" message first, followed by the "RIGHT LANE CLOSED" message. For median lane closure, the flashing arrow symbol shall be reversed with the arrowhead on the right and the changeable message sign shall show "LEFT LANE CLOSED".
2. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.
3. A minimum sight distance of 1500′ should be provided in advance of sign vehicle V1.
4. Sign vehicle V1 should remain at the beginning of horizontal or vertical curves until the other vehicles (V2 and V3) are far enough beyond the curve to resume the minimum sight distance of 1500′.
5. Vehicle-mounted sign panels shall have Type III or above retroreflective sheeting, black on white, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.
6. Shadow vehicle V2 shall be equipped with a truck-mounted attenuator. The sign panel shown and a Type II flashing arrow sign shall be mounted on the rear of shadow vehicle V2. For median lane closure the flashing arrow sign symbol shall be displayed with the arrowhead on the right.
7. All vehicles used for lane closures shall be equipped with two-way radios, and the vehicle operators shall maintain communication during the work or application operation.
8. All vehicles shall be equipped with flashing or rotating amber lights.
9. If sign vehicle V1 encroaches into the traffic lane due to insufficient shoulder width, sign vehicle V1 shall be equipped with a truck-mounted attenuator. Sign vehicle V1 shall stay as close to the edge of shoulder as practicable.
10. Where workers would be on foot in the work area, a stationary type lane closure (Revised Standard Plan T10, T11, etc., as applicable) shall be used instead of this plan.
11. For moving lane closure on interior lane of multilane highways, use Revised Standard Plan T16.
12. The spacing between work vehicle(s) and the shadow vehicles, and between each shadow vehicle should be minimized to deter road users from driving in between.
13. When the work/application vehicle V3 occupies the median lane, sign vehicle V1 should drive in the median shoulder and indicate left lane closed ahead.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR MOVING LANE CLOSURE ON MULTILANE HIGHWAYS

NO SCALE

RSP T15 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T15
DATED MAY 20, 2011 - PAGE 243 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T15

2010 REVISED STANDARD PLAN RSP T15

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