ACNH-Q101(172)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	68.8/75.5	1	13

INDEX OF PLANS

SHEET No	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTION
3-6	CONSTRUCTION DETAILS
7	CONSTRUCTION AREA SIGNS
8-9	PAVEMENT DELINEATION QUANTITIES
10	SUMMARY OF QUANTITIES
11-13	REVISED STANDARD PLANS

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

STATE OF CALIFORNIA

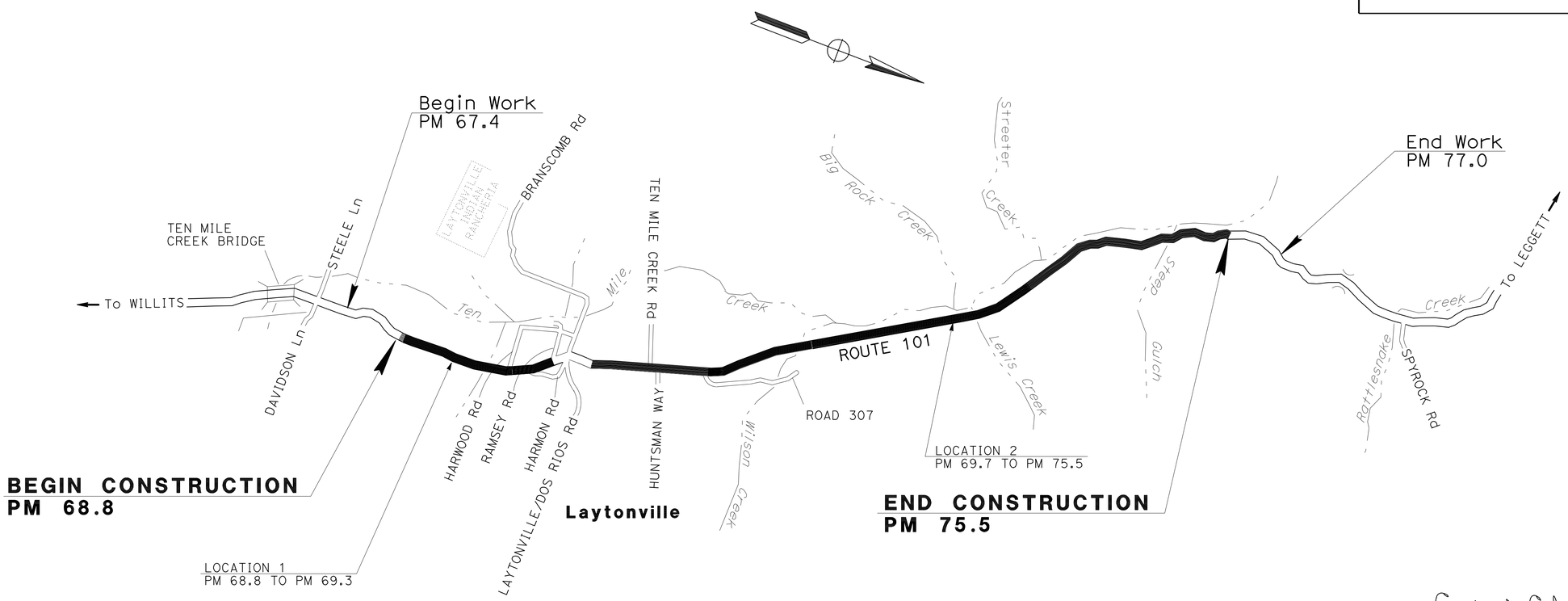
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN MENDOCINO COUNTY NEAR LAYTONVILLE FROM 2.3 MILES NORTH OF TEN MILE CREEK BRIDGE TO 2.1 MILES SOUTH OF RATTLESNAKE SUMMIT

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



Curtis D. Coburn 4/5/2010
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

April 5, 2010
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

PROJECT MANAGER R.B. McCarthy
DESIGN ENGINEER R.B. McCarthy

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 11:24

CONTRACT No. 01-491104

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	68.8/75.5	2	13

Curtis D. Coburn 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CURTIS D. COBURN No. 58431 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

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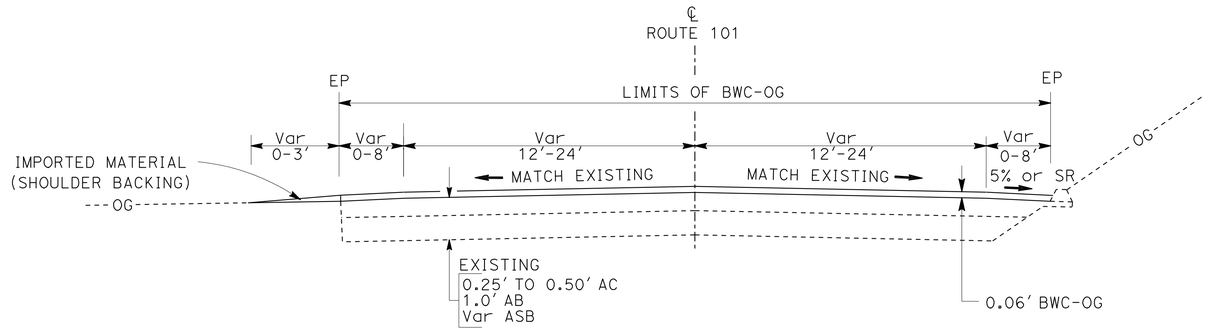
NOTES:

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

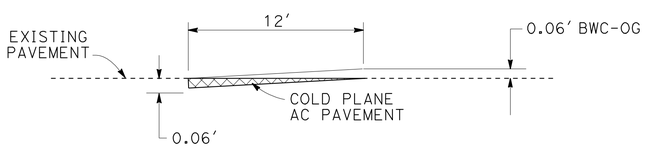
LEGEND

BWC-OG = BONDED WEARING COURSE (OPEN GRADED)

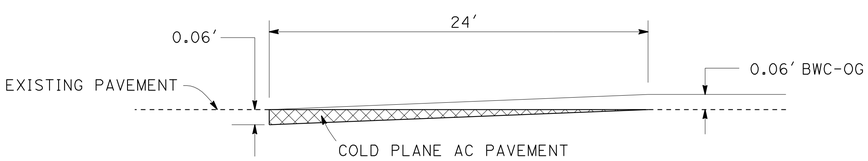


TYPICAL CROSS SECTIONS

PM 68.8 TO PM 69.3
PM 69.9 TO PM 75.5



PUBLIC ROAD CONNECTION

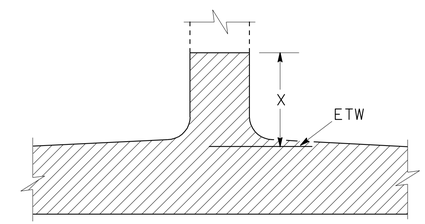


PAVING CONFORM

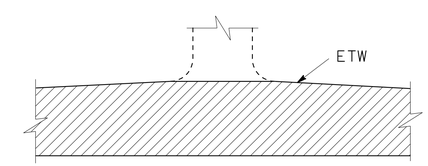
PM 68.78
PM 69.28
PM 69.68
PM 75.48

LIMITS OF COLD PLANE AC PAVEMENT

LOCATION	PM	X FT
HARWOOD ROAD	68.90 L+	53
HARMON DRIVE	69.13 R+	100
HUNTSMAN WAY	70.66 R+	24
ROAD 307	70.95 R+	58



PUBLIC ROAD CONNECTION



PRIVATE ROAD CONNECTION

LEGEND
LIMITS OF SURFACING

LIMITS OF SEAL COAT

TYPICAL CROSS SECTIONS AND CONSTRUCTION DETAILS X-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: R.B. McCarthy
CALCULATED-DESIGNED BY: Dave Chang
CHECKED BY: Curtis Coburn
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 11:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	68.8/75.5	3	13

Ralph M. Martinelli 4/5/2010
REGISTERED CIVIL ENGINEER DATE

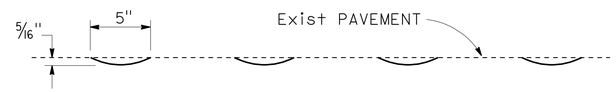
April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER R.M.MARTINELLI No. 51685 Exp. 6-30-10 CIVIL STATE OF CALIFORNIA

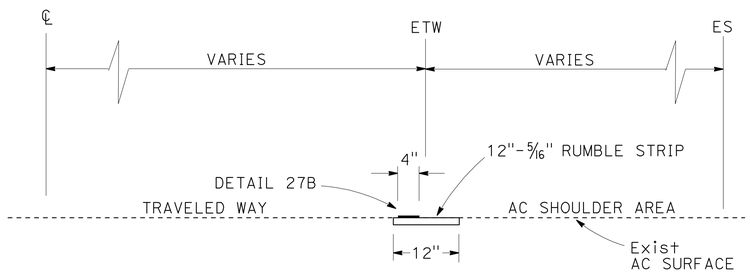
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES

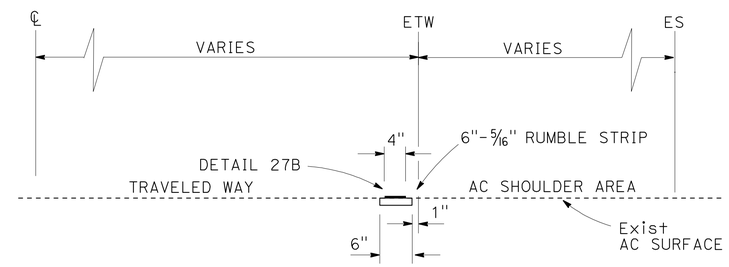
1. RUMBLE STRIPS, AS SHOWN ON THIS PLAN SHALL NOT BE CONSTRUCTED ON BRIDGE DECKS, BRIDGE APPROACH SLABS, RAMPS, PUBLIC AND PRIVATE ROAD APPROACHES AND MAJOR (COMMERCIAL ENTRANCE OR MULTIPLE RESIDENTS) DRIVEWAYS.



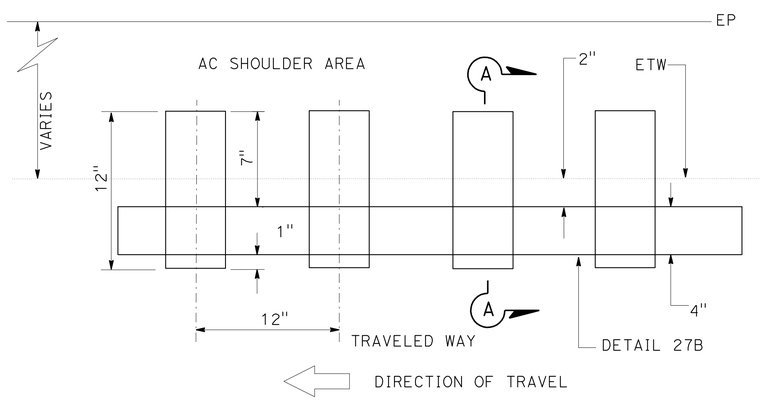
ELEVATION
APPLIES TO ALTERNATES #1 AND #2



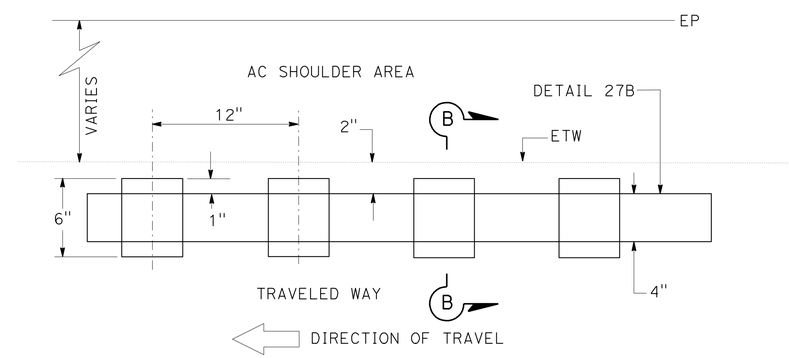
SECTION A-A



SECTION B-B



PLAN
ALTERNATE #1 OUTSIDE/RIGHT SHOULDER



PLAN
ALTERNATE #2 OUTSIDE/RIGHT SHOULDER

ALTERNATE GROUND-IN RUMBLE STRIP

CONSTRUCTION DETAILS
C-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC SAFETY

FUNCTIONAL SUPERVISOR: Mark Suchanek
CALCULATED-DESIGNED BY: Ralph Martinelli
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 11:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	68.8/75.5	4	13

Ralph M. Martinelli 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER R.M.MARTINELLI No. 51685 Exp 6-30-10 CIVIL STATE OF CALIFORNIA

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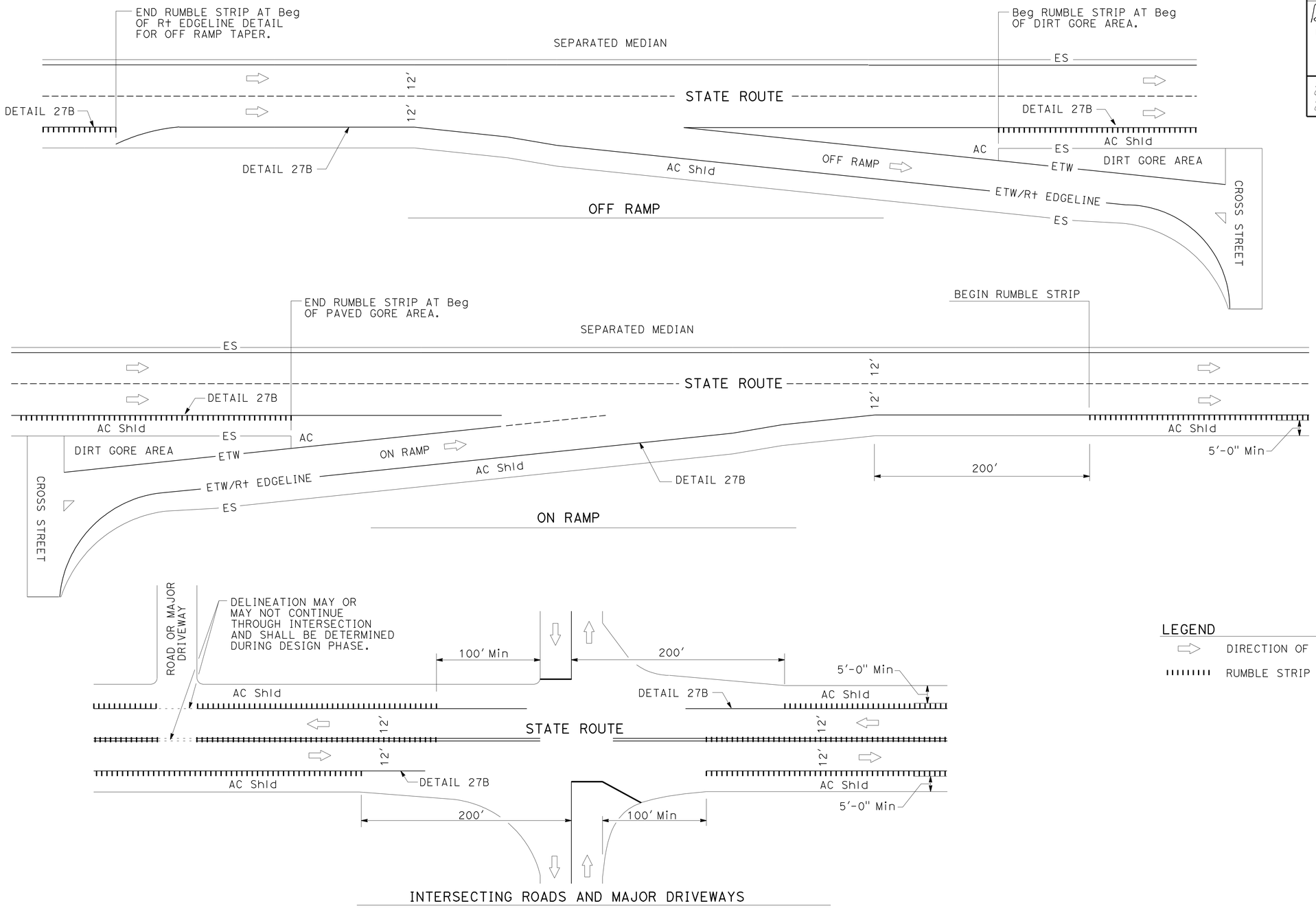

LEGEND

DIRECTION OF TRAVEL

RUMBLE STRIP (GROUND-IN)

GROUND IN RUMBLE STRIP

CONSTRUCTION DETAILS C-2

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC SAFETY

FUNCTIONAL SUPERVISOR: Mark Suchanek
CALCULATED-DESIGNED BY: Ralph Martinelli
CHECKED BY: Ralph Martinelli
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 11:24

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	68.8/75.5	5	13

Ralph M. Martinelli 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
R.M.MARTINELLI
No. 51685
Exp 6-30-10
CIVIL
STATE OF CALIFORNIA

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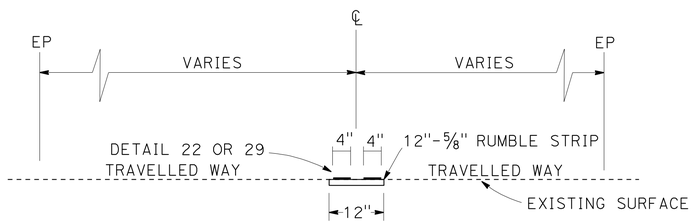
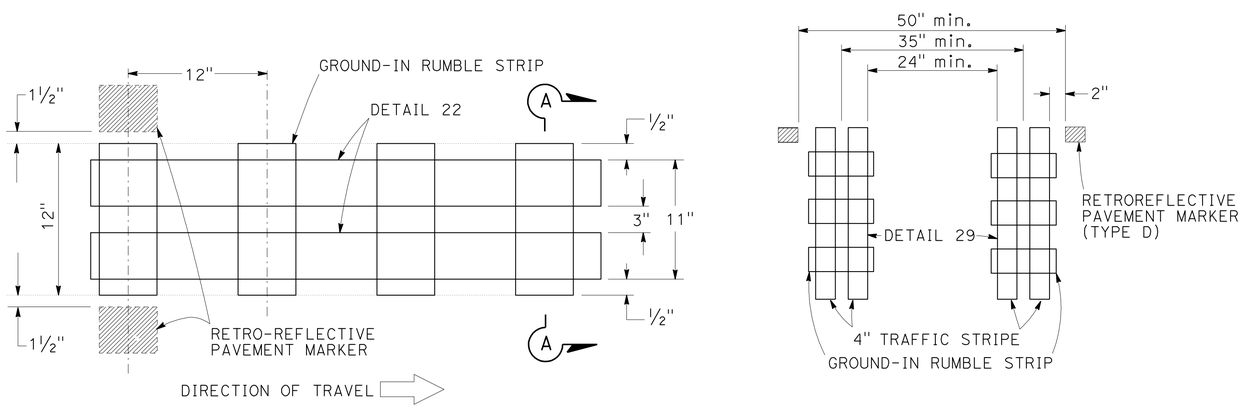
ELEVATION
CENTER MEDIAN/INSIDE SHOULDER AREA



SECTION A-A

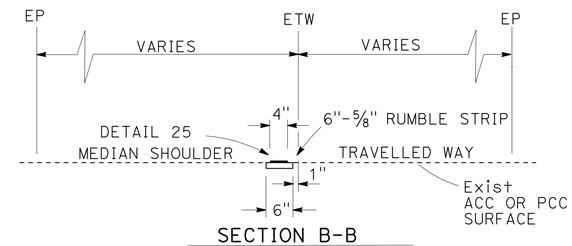


PLAN

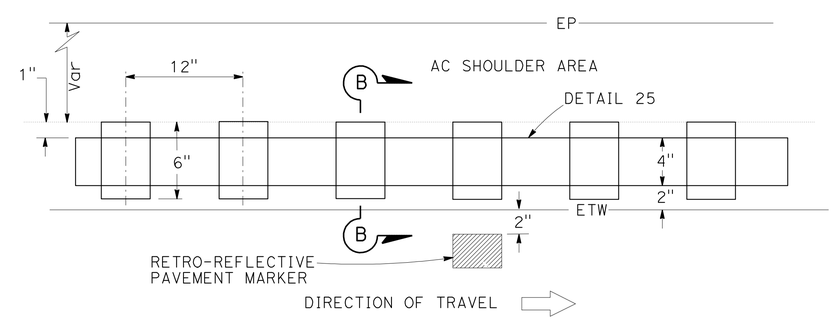
PLAN

CENTER MEDIAN OR INSIDE SHOULDER AREA

ELEVATION
INSIDE SHOULDER AREA



SECTION B-B



PLAN

MODIFIED INSIDE SHOULDER AREA

CONSTRUCTION DETAILS
C-3

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC SAFETY

FUNCTIONAL SUPERVISOR: Mark Suchanek
CALCULATED-DESIGNED BY: Ralph Martinelli
CHECKED BY: Ralph Martinelli
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 11:24

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01	Men	101	68.8/75.5	6	13

Ralph M. Martinelli 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
R.M.MARTINELLI
No. 51685
Exp 6-30-10
CIVIL
STATE OF CALIFORNIA

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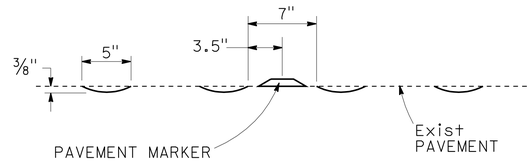
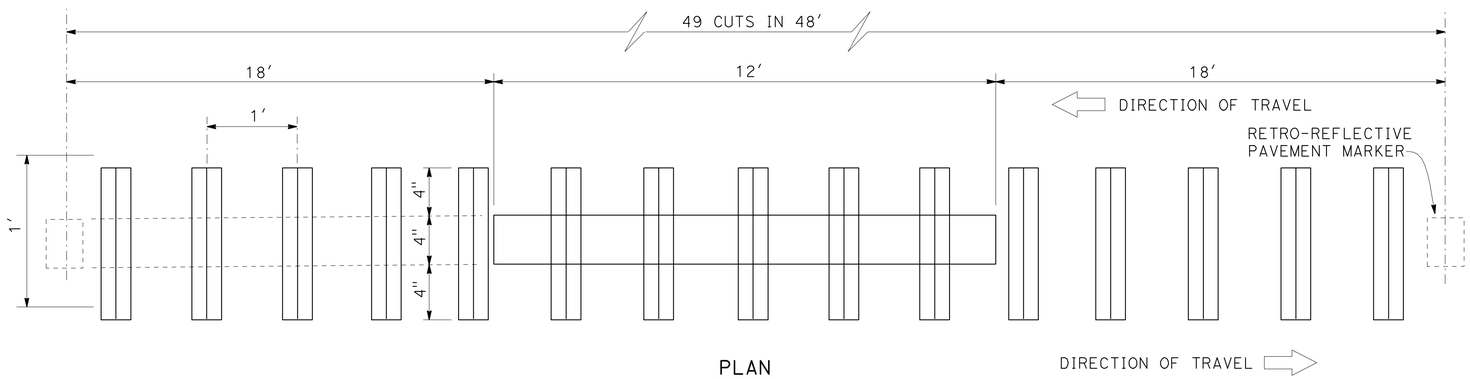
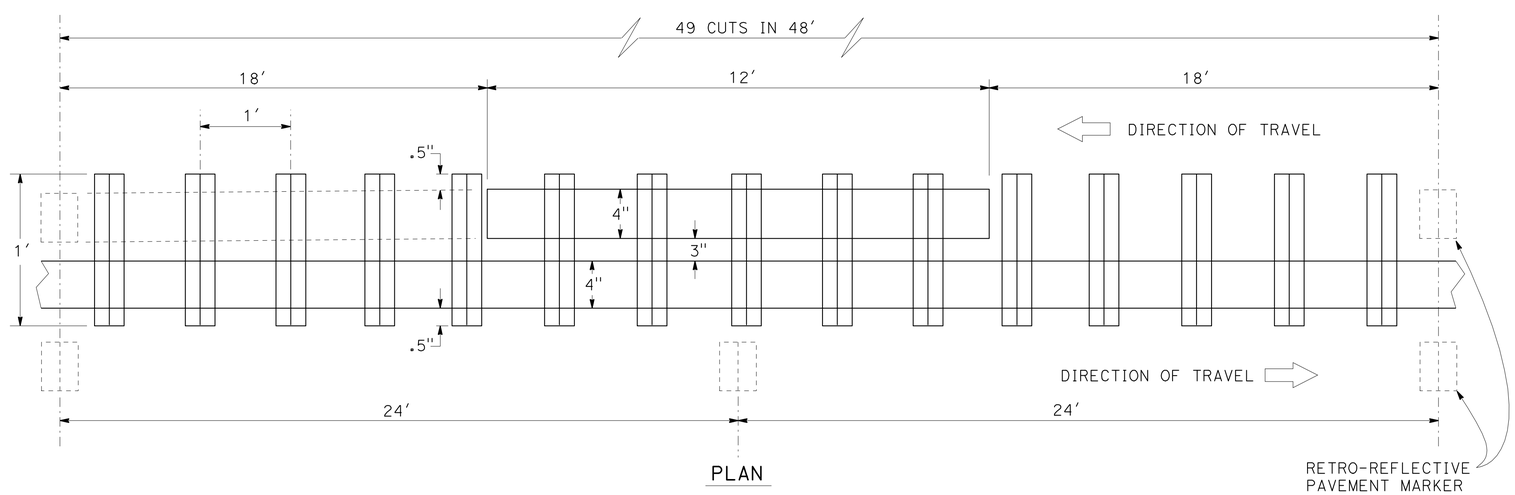


ELEVATION
CENTER MEDIAN AREA



PLAN

CENTERLINE RUMBLE STRIP DETAIL 6



PLAN

CENTERLINE RUMBLE STRIP DETAIL 19 & 32

CONSTRUCTION DETAILS
C-4

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC SAFETY

FUNCTIONAL SUPERVISOR: Mark Suchanek
CALCULATED-DESIGNED BY: Ralph Martinelli
CHECKED BY: Ralph Martinelli
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	68.8/75.5	7	13

Curtis D. Coburn 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

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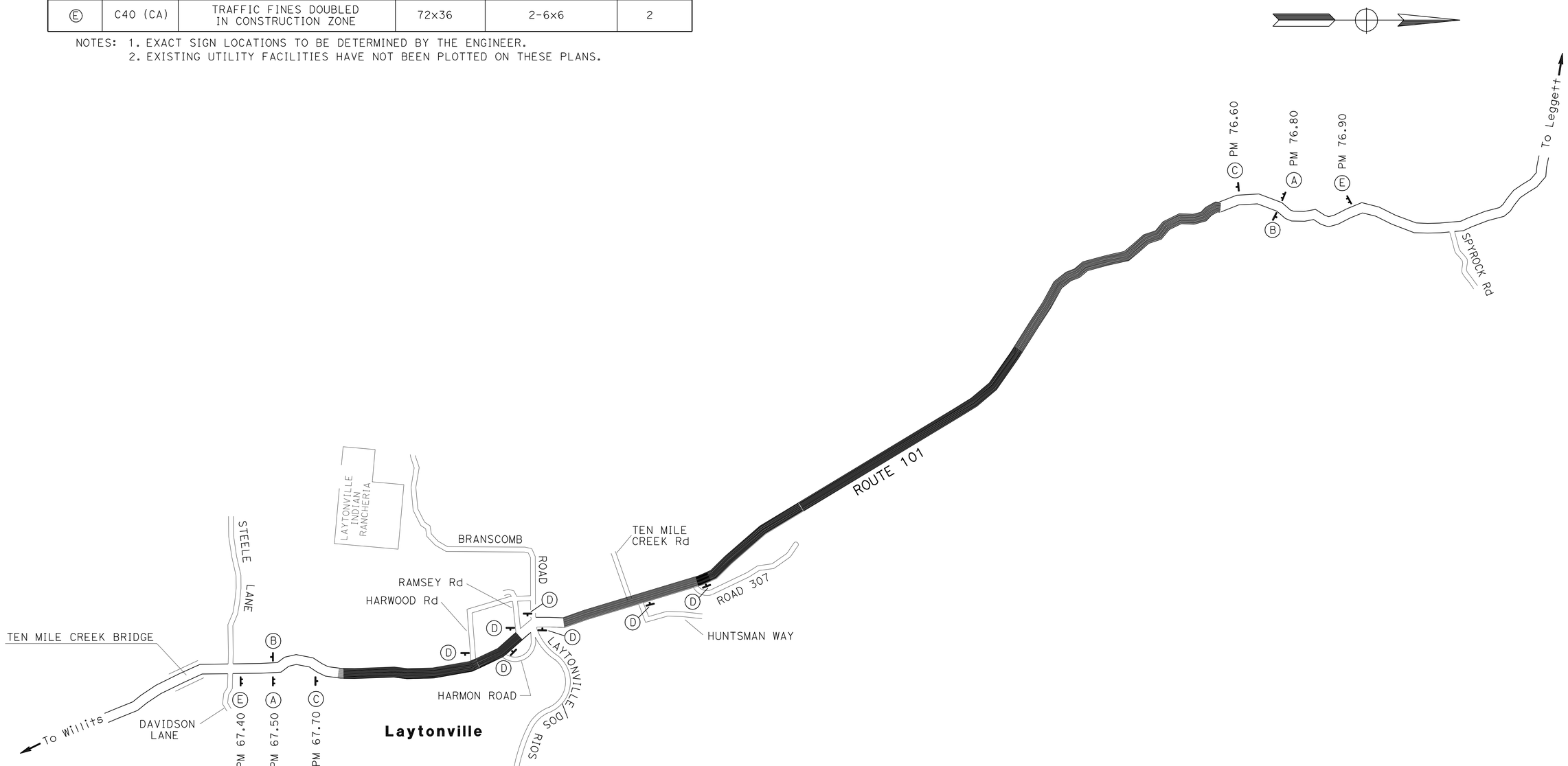
STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN NUMBER	SIGN CODE	SIGN MESSAGE	PANEL SIZE (INCH x INCH)	NUMBER OF POSTS AND SIZE (INCH x INCH)	NUMBER OF SIGNS
A	G20-1	ROAD WORK AHEAD NEXT 7 MILES	48x48	2-6x6	2
	SP1	RESURFACING	54x12		
B	G20-2	END ROAD WORK	36x18	1-4x4	2
C	W16-1	SHARE THE ROAD	24x30	1-4x4	2
	W11-1	BICYCLE SYMBOL	36x36		
D	W20-1	ROAD WORK AHEAD	30x30	1-4x4	7
E	C40 (CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONE	72x36	2-6x6	2

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

SP1
54" X 12"
4" CAPS
BLACK/ORANGE

RESURFACING



CONSTRUCTION AREA SIGNS
CS-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: R.B. McCarthy
CALCULATED-DESIGNED BY: Dave Chang
CHECKED BY: Curtis Coburn
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	68.8/75.5	8	13

Curtis D. Coburn 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

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TRAFFIC STRIPE AND PAVEMENT MARKER QUANTITIES

LOCATION (PM) FROM	LOCATION (PM) TO	DETAIL NUMBER	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE: REMOVE 8" SOLID WHITE	8" SOLID WHITE	4" SOLID YELLOW	4" SOLID WHITE	4" WHITE (BROKEN) 3-12	4" YELLOW (BROKEN (36'-12')	PAVEMENT MARKER RETROREFLECTIVE-RECESSED: TYPE D YELLOW (TWO WAY)	TYPE G CLEAR (ONE WAY)	TYPE H YELLOW (ONE WAY)
				LF						EA		
LOCATION 1												
68.78	68.82	29	211			844				18		
68.78 R+	69.05 R+	27B	1425				1425					
68.78 L+	68.85 L+	27B	370				370					
68.82	68.85	22	150			300				14		
68.83 R+	68.85 R+	38	100	200	200						4	
68.87	69.07	32	1056			2102			2102	110		
68.87 L+	69.28 L+	27B	2165				2165					
69.05 R+	69.08 R+	27C	150					150				
69.08	69.28	32	1056			2102			2102	110		
69.08 R+	69.28 R+	27B	1056				1056					
LOCATON 2												
69.68	69.86	19L	950			950			950	20		40
69.68 R+	70.43 R+	27B	3960				3960					
69.68 L+	72.80 L+	27B	16474				16474					
69.86	70.06	22	1056			2112				88		
70.06	70.49	6	2270						2270	48		
70.43 R+	70.44 R+	27C	50					50				
70.44 R+	70.62 R+	27B	950				950					
70.49	70.62	22	686			1372				58		
70.62 R+	70.64 R+	27C	100					100				
70.64	70.87	22	1215			2430				102		
70.64 R+	70.87 R+	27B	1215				1215					
70.87 R+	71.89 R+	27C	100					100				
70.89	71.90	22	5332			10664				446		
70.89 R+	72.06 R+	27B	6178				6178					
71.04 L+	72.80 L+	12	9292						9292		194	
71.90	72.06	29	845			3380				72		
71.96 R+	72.78 R+	12	4330						4330		91	
72.06 R+	72.09 R+	27C	150					150				
72.08	72.80	29	3802			15208				318		
72.09 R+	72.79 R+	27B	3696				3696					
72.79 R+	72.82 R+	27C	150					150				
72.80 L+	72.82 L+	27C	100					100				
72.8	72.89	29	370			1480				32		
72.82 R+	75.48 R+	27B	14045				14045					
72.82 L+	74.10 L+	27B	6758				6758					
72.89	72.93	29	212			848				18		
72.93	73.54	22	3220			6440				270		
73.54	73.79	19L	1320			1320			1320	28		55
73.79	74.53	6	3908						3908	82		
74.10 L+	74.14 L+	27C	212					212				
74.14 L+	75.48 L+	27B	1795				1795					
74.53	74.73	19R	1056			1056			1056	22		
74.73	75.48	22	3960			7920				330		
74.84 R+	75.23	12	2059						2059		43	
75.10 L+	75.48 L+	12	2006						2006		42	
SUBTOTAL						60528	60087			2186	374	139
TOTAL				200	200	120615		1012	31395	2699		

NOTE:
WHEN DETAIL 19 IS SHOWN, THE SOLID BARRIER SHALL BE PLACED ON THE SIDE DESIGNATED (R=RIGHT; L=LEFT) AS POST MILES INCREASE.

PAVEMENT DELINEATION QUANTITIES
PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: R.B. McCarthy
CALCULATED-DESIGNED BY: Dave Chang
CHECKED BY: Curtis Coburn
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
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01	Men	101	68.8/75.5	9	13

Curtis D. Coburn 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
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CIVIL
STATE OF CALIFORNIA

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REMOVE THERMOPLASTIC PAVEMENT MARKING

LOCATION (PM)	L+/R+	ORIENTATION	TYPE/LEGEND	AREA SQFT	REMARKS
68.85		FNBT	TYPE III ARROW (L)	42	HARWOOD ROAD
68.90	L+	FEBT	STOP (2 EA)	64	HARWOOD ROAD
68.90	L+	FEBT	LIMIT LINE	32	HARWOOD ROAD
68.94		FNBT	TYPE III ARROW (L)	42	
68.95		FSBT	TYPE III ARROW (L)	42	
69.04		FNBT	TYPE III ARROW (L)	42	
69.05		FSBT	TYPE III ARROW (L)	42	
69.09		FNBT	TYPE III ARROW (L)	42	
69.10		FSBT	TYPE III ARROW (L)	42	
69.13	R+	FWBT	STOP	22	HARMON DRIVE
69.13	R+	FWBT	LIMIT LINE	14	HARMON DRIVE
69.15		FNBT	TYPE III ARROW (L)	42	
69.16		FSBT	TYPE III ARROW (L)	42	
69.17		FNBT	PED	18	
69.18		FNBT	XING	21	
70.63	R+	FWBT	STOP	22	HUNTSMAN WAY
70.63	R+	FWBT	LIMIT LINE	16	HUNTSMAN WAY
70.95	R+	FWBT	STOP	22	ROAD 307
70.95	R+	FWBT	LIMIT LINE	35	ROAD 307
71.09		FSBT	TYPE VI ARROW	42	
71.14		FSBT	TYPE VI ARROW	42	
71.18		FSBT	TYPE VI ARROW	42	
72.70		FNBT	TYPE VI ARROW	42	
72.74		FNBT	TYPE VI ARROW	42	
72.78		FNBT	TYPE VI ARROW	42	
75.11		FSBT	TYPE VI ARROW	42	
75.14		FSBT	TYPE VI ARROW	42	
75.14		FNBT	TYPE VI ARROW	42	
75.18		FSBT	TYPE VI ARROW	42	
75.18		FNBT	TYPE VI ARROW	42	
75.22		FNBT	TYPE VI ARROW	42	
			TOTAL	1148	

THERMOPLASTIC PAVEMENT MARKING

LOCATION (PM)	L+/R+	ORIENTATION	TYPE/LEGEND	AREA SQFT	REMARKS
68.85		FNBT	TYPE III ARROW (L)	42	HARWOOD ROAD
68.90	L+	FEBT	STOP (2 EA)	64	HARWOOD ROAD
68.90	L+	FEBT	LIMIT LINE	32	HARWOOD ROAD
68.94		FNBT	TYPE III ARROW (L)	42	
68.95		FSBT	TYPE III ARROW (L)	42	
69.04		FNBT	TYPE III ARROW (L)	42	
69.05		FSBT	TYPE III ARROW (L)	42	
69.09		FNBT	TYPE III ARROW (L)	42	
69.10		FSBT	TYPE III ARROW (L)	42	
69.13	R+	FWBT	STOP	22	HARMON DRIVE
69.13	R+	FWBT	LIMIT LINE	14	HARMON DRIVE
69.15		FNBT	TYPE III ARROW (L)	42	
69.16		FSBT	TYPE III ARROW (L)	42	
69.17		FNBT	PED	18	
69.18		FNBT	XING	21	
70.63	R+	FWBT	STOP	22	HUNTSMAN WAY
70.63	R+	FWBT	LIMIT LINE	16	HUNTSMAN WAY
70.95	R+	FWBT	STOP	22	ROAD 307
70.95	R+	FWBT	LIMIT LINE	35	ROAD 307
71.09		FSBT	TYPE VI ARROW	42	
71.14		FSBT	TYPE VI ARROW	42	
71.18		FSBT	TYPE VI ARROW	42	
72.70		FNBT	TYPE VI ARROW	42	
72.74		FNBT	TYPE VI ARROW	42	
72.78		FNBT	TYPE VI ARROW	42	
75.11		FSBT	TYPE VI ARROW	42	
75.14		FSBT	TYPE VI ARROW	42	
75.14		FNBT	TYPE VI ARROW	42	
75.18		FSBT	TYPE VI ARROW	42	
75.18		FNBT	TYPE VI ARROW	42	
75.22		FNBT	TYPE VI ARROW	42	
			TOTAL	1148	

PAVEMENT DELINEATION QUANTITIES
PDQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: R.B. McCarthy
CALCULATED-DESIGNED BY: Dave Chang
CHECKED BY: Curtis Coburn
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 11:25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
01	Men	101	68.8/75.5	10	13

Curtis D. Coburn 4/5/2010
REGISTERED CIVIL ENGINEER DATE

April 5, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CURTIS D. COBURN
No. 58431
Exp. 12-31-10
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.

SHOULDER BACKING

LOCATION (PM) FROM	LOCATION (PM) TO	L+/R+	IMPORTED MATERIAL (SHOULDER BACKING) TON
68.78	68.81	L+	3.4
68.90	68.96	L+	6.8
68.98	69.01	L+	3.4
69.17	69.23	L+	6.8
69.69	69.94	R+	28.5
69.84	69.90	L+	6.8
70.00	70.04	L+	4.5
70.27	70.35	L+	9.1
70.70	70.85	R+	17.1
71.04	71.16	R+	13.7
71.19	71.28	R+	10.2
71.45	71.47	R+	2.2
71.60	71.66	R+	6.8
71.74	71.75	R+	1.1
71.91	71.99	L+	9.1
72.88	72.98	R+	11.4
72.95	72.98	L+	3.4
73.03	73.19	R+	18.2
73.10	73.17	L+	8.5
73.20	73.23	R+	3.4
73.30	73.35	R+	5.7
73.52	73.65	R+	14.8
73.66	73.74	R+	9.1
73.80	74.02	L+	25.1
74.07	74.38	R+	35.5
74.12	74.50	L+	43.3
74.43	74.50	R+	8.0
74.54	74.60	L+	6.8
74.70	74.73	R+	3.4
74.84	74.90	L+	6.8
74.94	75.00	L+	6.8
75.03	75.05	R+	2.2
75.19	75.22	L+	3.4
75.22	75.23	R+	1.1
75.35	75.44	R+	10.2
75.37	75.43	L+	6.8
		TOTAL	363.4

ROADWAY

LOCATION (PM) FROM	LOCATION (PM) TO	L+/R+	AVERAGE WIDTH LF	HOT MIX ASPHALT (BONDED WEARING COURSE) TON	ASPHALTIC EMULSION MEMBRANE (BONDED WEARING COURSE) TON	COLD PLANE AC PAVEMENT SQYD	RUMBLE STRIP CENTER LINE STA	RUMBLE STRIP SHOULDER STA	REMARKS
LOCATION 1									
68.78	68.85		49.5	85.2	2.1				
68.78	68.79					117			CONFORM
68.85	69.28			581.6	14.5				
68.90		L+		15.4	0.4	37			HARWOOD ROAD
69.13		R+		33.1	0.8	88			HARMON DRIVE
69.27	69.28		55			147			CONFORM
LOCATION 2									
69.68	69.70		44.5	22.9	0.5		1		
69.68	69.69		44			117			CONFORM
69.70	69.89		47	229.4	5.5		10		
69.89	71.00		46.5	1269.3	31.5				
69.89	70.65						40		
70.66		R+		5.2	0.1	14			HUNTSMAN WAY
70.67	70.94						14		
70.93	70.75	R+		5.2	0.1				APPROACH APRON
70.94	71.00						2		
70.95		R+		14.5	1.0	37			ROAD 307
71.00	71.09		42	97.4	2.4		5		
71.09	71.15		46	71.0	1.6		3		
71.15	71.92		45	861.6	21.4		41		
71.92	71.98		63	97.3	2.0		3		
71.98	72.20		67	362.5	9.0			23	
72.20	72.84		71	1117.4	27.8			68	
72.84	73.00		53	208.5	5.2			17	
73.00	74.81		33.5	1560.7	37.1			191	
74.09	74.21	R+	18	55.6	1.2				TURNOUT
74.81	74.84		38.5	28.4	0.7			3	
74.84	75.00		45	177.1	4.4			17	
75.00	75.12		50.5	149.0	3.7			13	
75.12	75.26		51	192.8	4.8			15	
75.26	75.31		51	62.7	1.6			6	
75.31	75.50		46	214.9	5.3			20	
75.49	75.50		46			123			CONFORM
			TOTAL	7518.7	184.7	680	119	373	

SUMMARY OF QUANTITIES
Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

FUNCTIONAL SUPERVISOR: R.B. McCarthy
CALCULATED-DESIGNED BY: Dave Chang
CHECKED BY: Curtis Coburn
REVISED BY
DATE REVISED

LAST REVISION 00-00-00
DATE PLOTTED => 06-APR-2010
TIME PLOTTED => 11:25

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	68.8/75.5	11	13

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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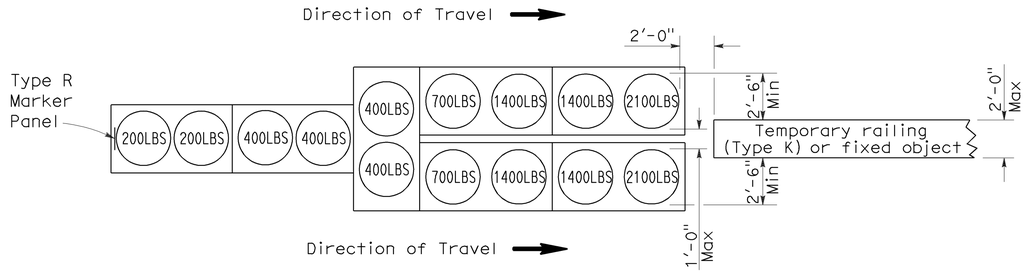
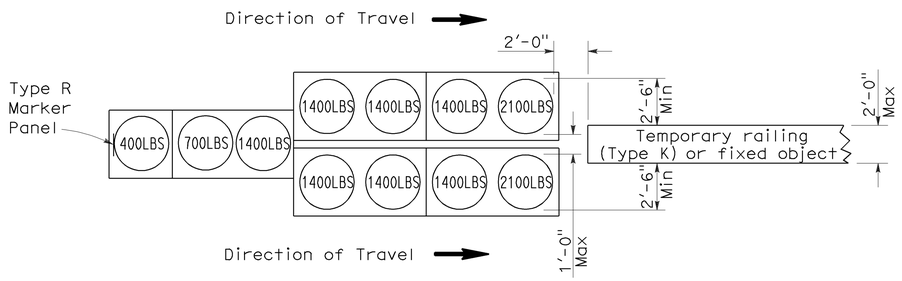
To accompany plans dated April 5, 2010



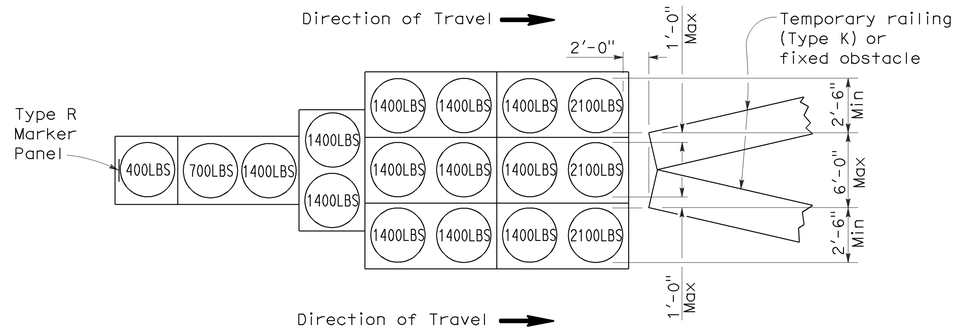
ARRAY 'TU14'

Approach speed 45 mph or more



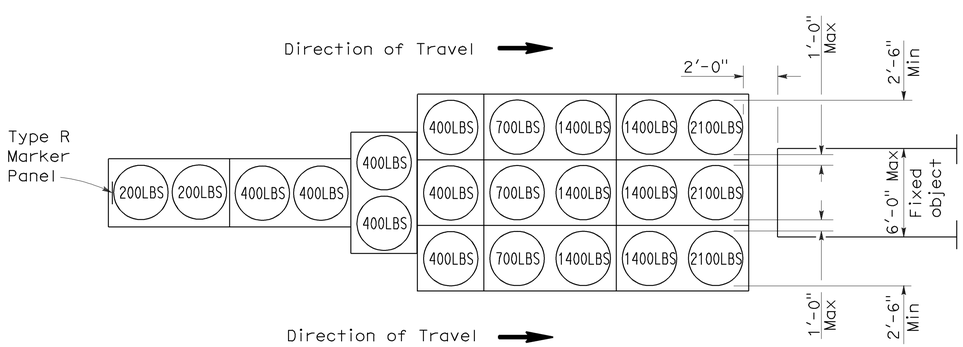
ARRAY 'TU11'

Approach speed less than 45 mph



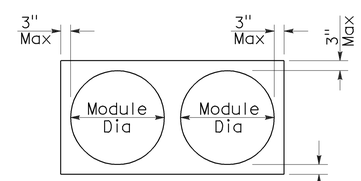
ARRAY 'TU17'

Approach speed less than 45 mph

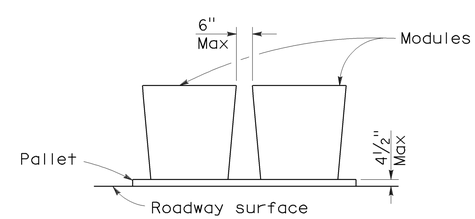


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (UNIDIRECTIONAL)

NO SCALE

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

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	68.8/75.5	12	13

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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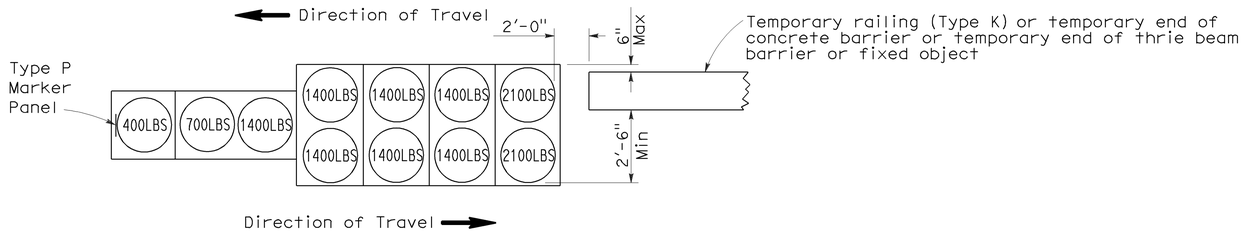
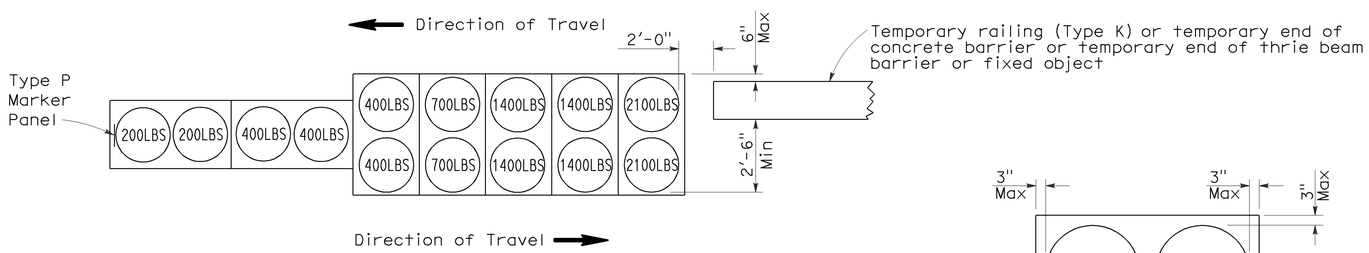
To accompany plans dated April 5, 2010



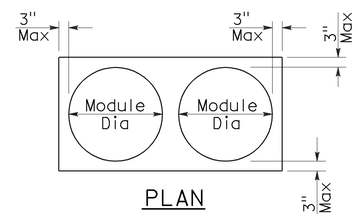
ARRAY 'TB11'

Approach speed less than 45 mph

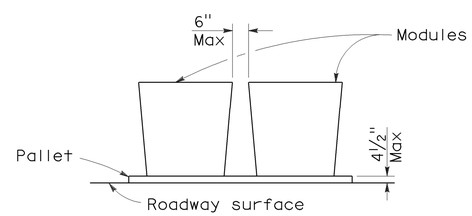


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
01	Men	101	68.8/75.5	13	13

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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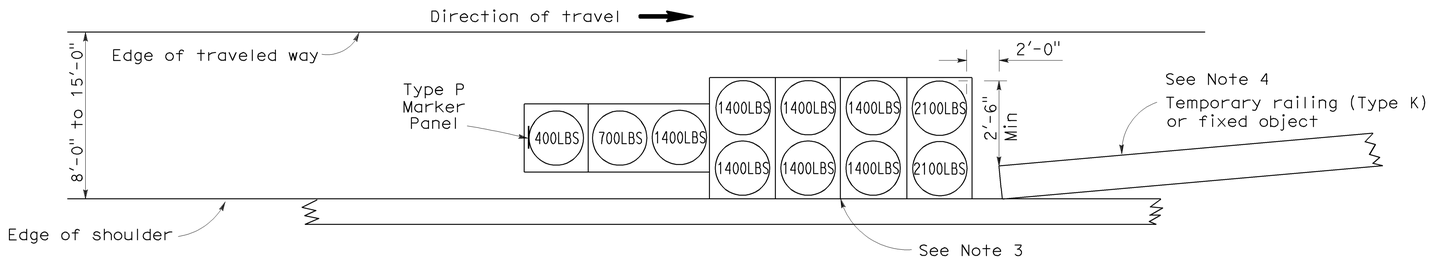
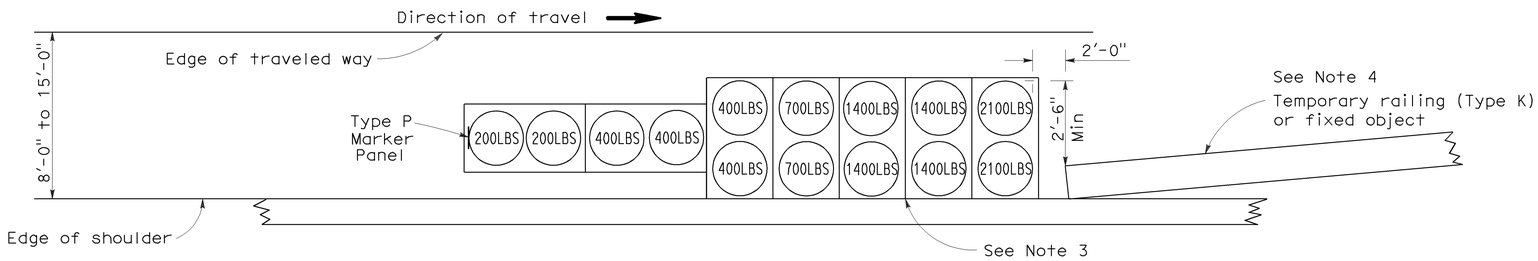
To accompany plans dated April 5, 2010



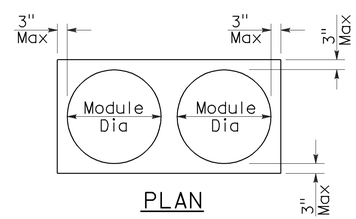
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

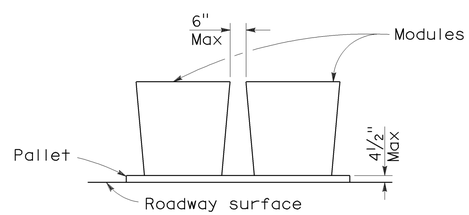


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

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

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

5-15-08