Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis	97	24.0/34.5	1	11

NH-P097(039)E

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

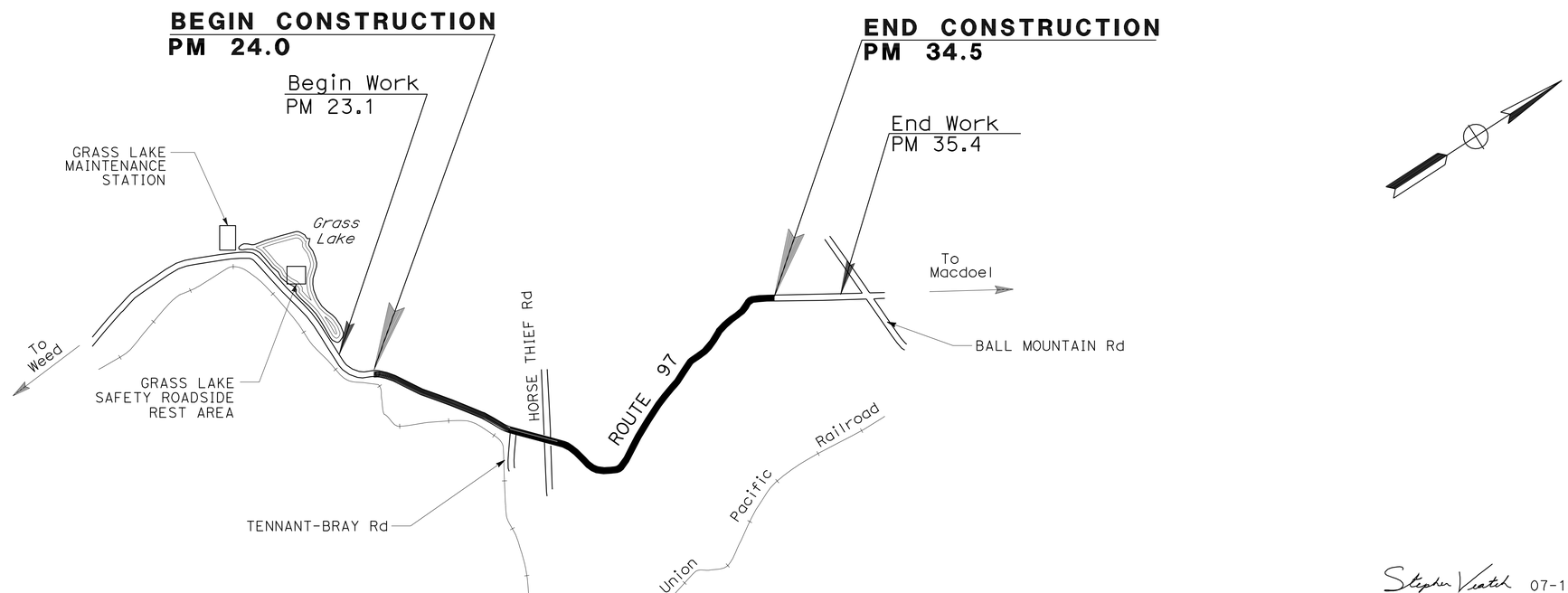
IN SISKIYOU COUNTY
ABOUT 10 MILES SOUTH OF MACDOEL
FROM 2.1 MILES NORTH OF GRASS LAKE REST AREA
TO 1.7 MILES SOUTH OF BALL MOUNTAIN ROAD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

INDEX OF SHEETS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3	CONSTRUCTION AREA SIGNS
4-5	PAVEMENT DELINEATION QUANTITIES AND DETAILS
6	SUMMARY OF QUANTITIES
7-11	REVISED STANDARD PLANS

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



NO SCALE

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

Stephen Veatch 07-12-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

February 26, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER STEPHEN VEATCH No. C73772 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA

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

CONTRACT No.	02-1E0804
PROJECT ID	0200000578

PROJECT MANAGER: CARL ANDERSON
DESIGN ENGINEER: MARK MILLER

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LAST REVISION 07-12-10 DATE PLOTTED => 12-JUL-2010 TIME PLOTTED => 09:49

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis	97	24.0/34.5	2	11

REGISTERED CIVIL ENGINEER DATE 02-25-10

PLANS APPROVAL DATE 02-26-10

STEPHEN VEATCH No. C73772 Exp. 6-30-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS AS SHOWN OR AS DETERMINED BY THE ENGINEER.
3. EXISTING FACILITIES HAVE NOT BEEN POSITIVELY IDENTIFIED.
4. DEPTH OF CIR MAY VARY TO TOP OF EXISTING AB OR 0.42′.

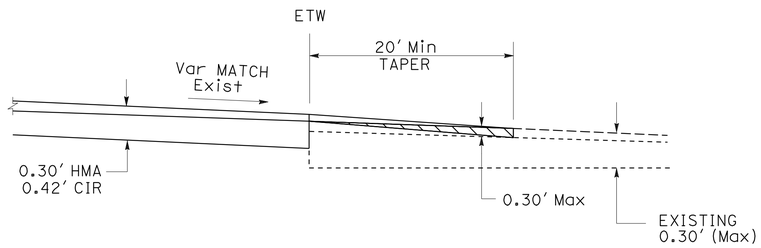
LEGEND

COLD PLANE AC PAVEMENT

ROADWAY EXCAVATION

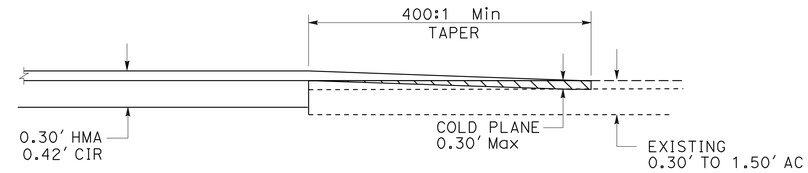
ABBREVIATIONS

CIR COLD IN-PLACE RECYCLING



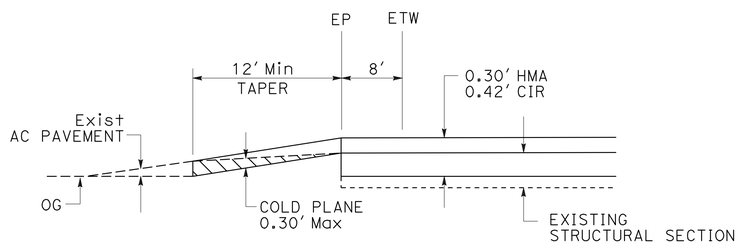
CONFORM TAPER FOR ROAD CONNECTIONS

PM 24.0/34.5



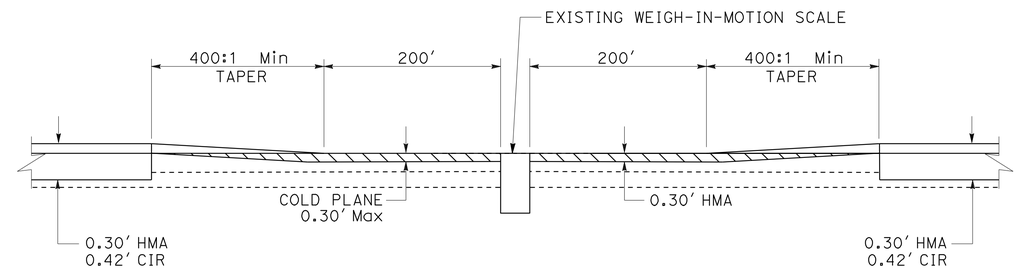
MAINLINE CONFORM TAPER

PM 24.0/34.5



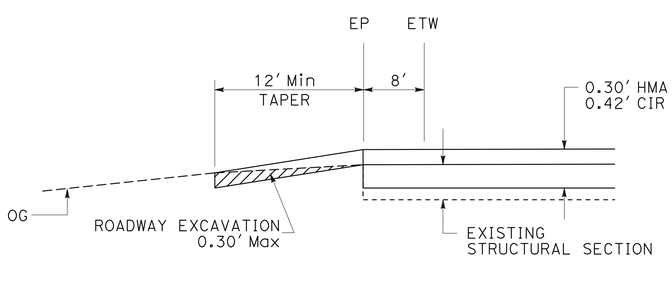
CONFORM TAPER AT PAVED DRIVEWAYS

PM 24.0/34.5



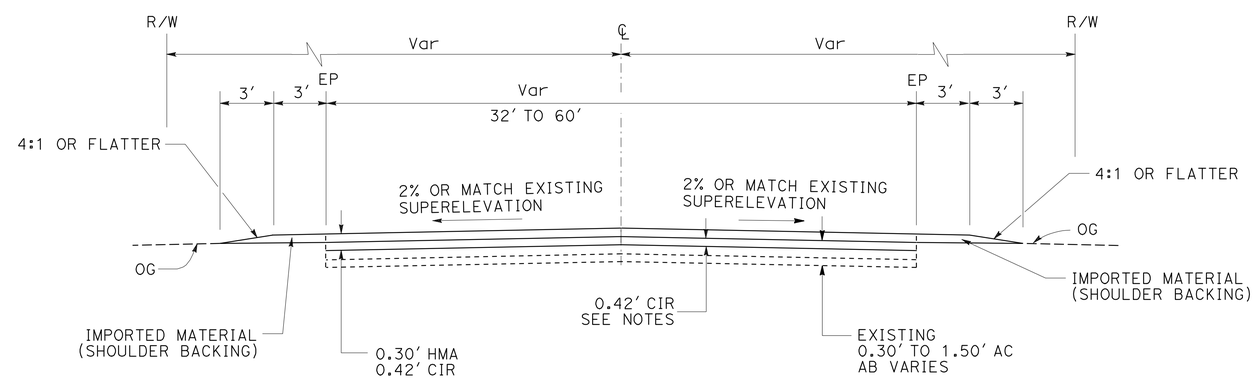
MAINLINE CONFORM TAPER AT WEIGH-IN-MOTION SCALE

PM 34.46



CONFORM TAPER AT NON-PAVED DRIVEWAYS

PM 24.0/34.5



TYPICAL CROSS SECTION

PM 24.0/34.5

TYPICAL CROSS SECTIONS

NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ADVANCE PLANNING

FUNCTIONAL SUPERVISOR: MARK MILLER
CALCULATED-DESIGNED BY: STEVE VEATCH
CHECKED BY: KENDEE VANCE
REVISED BY
DATE REVISED

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LAST REVISION 02-25-10
DATE PLOTTED => 12-JUL-2010
TIME PLOTTED => 09:50

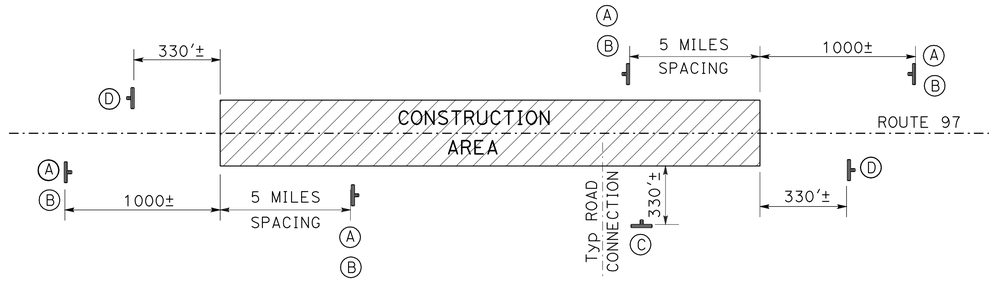
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis	97	24.0/34.5	3	11

Stephen Veatch 02-25-10
REGISTERED CIVIL ENGINEER DATE

02-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER STEPHEN VEATCH No. C73772 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA

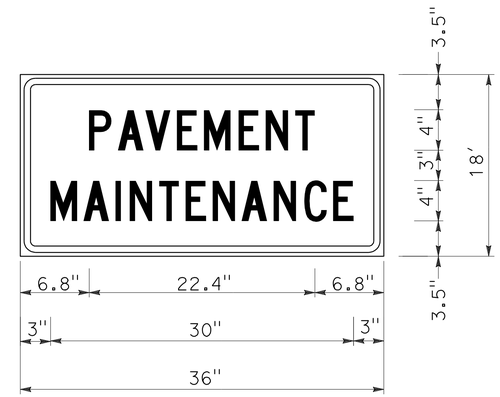
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



CONSTRUCTION AREA SIGNS

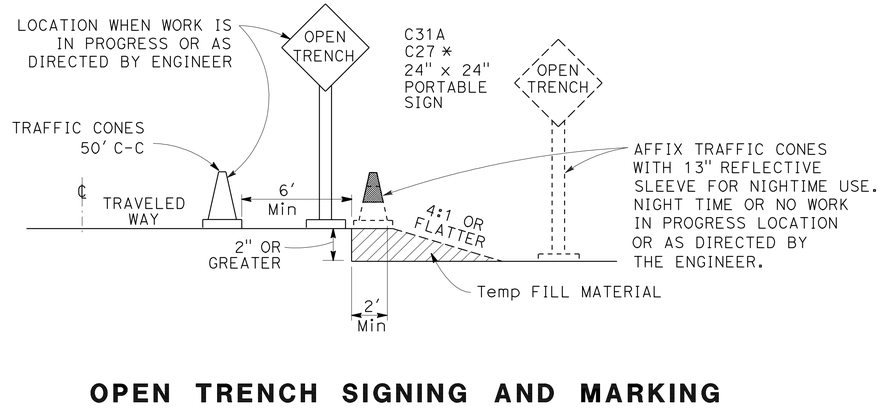
SIGNED ROAD CONNECTIONS

PM	NAME
24.46	LONG BELL CINDER PIT - Lt
26.19	USFS 44N27 - Lt
27.70	TENNANT Rd - Rt
27.70	USFS 45N48Y - Lt
28.36	USFS 70 - Lt
28.76	HORSE THIEF Rd - Rt
28.76	USFS 44N44Y - Lt
30.14	Dirt Road - Rt
32.61	USFS 45N58X - Rt



1.5" RADIUS, 0.6" BORDER, 0.4" INDENT, BLACK ON ORANGE;
[PAVEMENT] C;
[MAINTENANCE] C;

C23B(CA) SIGN PANEL DETAIL



OPEN TRENCH SIGNING AND MARKING

* PLACE AT 250' INTERVALS THROUGH
THE OPEN TRENCH AREA, ALTERNATE
C27 (OPEN TRENCH) AND C31A
(NO SHOULDER) SIGNS

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

TYPE	CODE	PANEL SIZE	SIGN MESSAGE	NUMBER AND SIZE OF POST	No. OF SIGNS
A	G20-1	48" x 48"	ROAD WORK AHEAD	1-4" x 6"	6
B	C23B(CA)	36" x 18"	PAVEMENT MAINTENANCE		
C	G20-1	48" x 48"	ROAD WORK AHEAD	1-4" x 6"	9
D	G20-2	48" x 18"	END ROAD WORK	1-4" x 6"	4

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ADVANCE PLANNING

FUNCTIONAL SUPERVISOR: MARK MILLER
CALCULATED-DESIGNED BY: STEVE VEATCH
CHECKED BY: KENDEE VANCE
REVISED BY
DATE REVISED

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LAST REVISION 02-25-10
DATE PLOTTED => 12-JUL-2010
TIME PLOTTED => 09:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis	97	24.0/34.5	4	11

Stephen Veatch 02-25-10
REGISTERED CIVIL ENGINEER DATE

02-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
STEPHEN VEATCH
No. C73772
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

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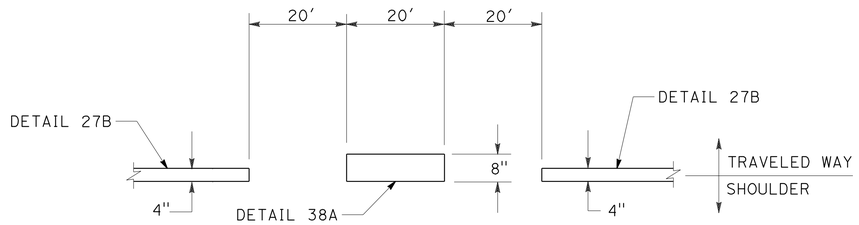
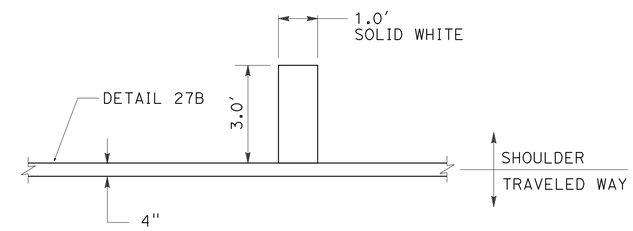


TYPICAL MILE POST STRIPE

NOTES:

1. ON RIGHT EDGELINE AT EACH WHOLE POST MILE



TYPICAL HALF MILE POST MARKING

NOTES:

1. ON LEFT EDGELINE AT EACH HALF POST MILE

PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ADVANCE PLANNING

FUNCTIONAL SUPERVISOR: MARK MILLER
CALCULATED-DESIGNED BY: STEVE VEATCH
CHECKED BY: KENDEE VANCE
REVISED BY
DATE REVISED

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LAST REVISION DATE PLOTTED => 12-JUL-2010
02-25-10 TIME PLOTTED => 09:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis	97	24.0/34.5	5	11

Stephen Veatch 02-25-10
REGISTERED CIVIL ENGINEER DATE

02-26-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER STEPHEN VEATCH No. C73772 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA

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THERMOPLASTIC PAVEMENT MARKING

PM	L†	Mid	R†	EA	SQFT	REMARKS
24.50	X			1	3	HALF MILE POST MARKING
25.50	X			1	3	HALF MILE POST MARKING
26.19	X			1	43	ROAD CONNECTION LIMIT LINE
26.19	X			1	22	STOP
26.50	X			1	3	HALF MILE POST MARKING
27.50	X			1	3	HALF MILE POST MARKING
27.54			X	1	42	TYPE III (R) ARROW
27.68			X	1	42	TYPE III (R) ARROW
27.70			X	1	43	ROAD CONNECTION LIMIT LINE
27.70			X	1	22	STOP
27.70		X		1	42	TYPE III (L) ARROW
27.79		X		1	42	TYPE III (L) ARROW
28.36	X			1	53	ROAD CONNECTION LIMIT LINE
28.36	X			1	22	STOP
28.50	X			1	3	HALF MILE POST MARKING
28.76			X	1	36	ROAD CONNECTION LIMIT LINE
28.76			X	1	22	STOP
29.50	X			1	3	HALF MILE POST MARKING
29.99			X	1	42	TYPE VI ARROW
30.04			X	1	42	TYPE VI ARROW
30.08			X	1	42	TYPE VI ARROW
30.11	X			1	42	TYPE VI ARROW
30.14			X	1	46	ROAD CONNECTION LIMIT LINE
30.14			X	1	22	STOP
30.15	X			1	42	TYPE VI ARROW
30.18	X			1	42	TYPE VI ARROW
30.50	X			1	3	HALF MILE POST MARKING
31.50	X			1	3	HALF MILE POST MARKING
32.50	X			1	3	HALF MILE POST MARKING
32.60			X	1	40	ROAD CONNECTION LIMIT LINE
32.60			X	1	22	STOP
33.50	X			1	3	HALF MILE POST MARKING
34.50	X			1	3	HALF MILE POST MARKING
TOTAL					846	

THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)

POST MILE LIMITS	LOCATION			DETAIL NUMBER OR DESCRIPTION	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) (LF)	
	L†	CENTER	R†		YELLOW	WHITE
24.00 TO 34.52	X		X	27B, 38A*		110932.8
24.00 TO 24.57		X		22	3009.6	
24.57 TO 24.72		X		19	792.0	
24.72 TO 24.88		X		6	844.8	
24.88 TO 25.19		X		19	1636.8	
25.19 TO 26.05		X		6	4540.8	
26.05 TO 26.16		X		19	580.8	
26.16 TO 26.58		X		22	2217.6	
26.58 TO 27.11		X		19	2798.4	
27.11 TO 27.18		X		22	369.6	
27.18 TO 27.51		X		19	1742.4	
27.51 TO 27.54		X	X	19, 27C	158.4	158.4
27.54 TO 27.57		X	X	19, 38	158.4	158.4
27.57 TO 27.78	X	X		22, 38	1108.8	1108.8
27.78 TO 27.94		X		29	844.8	
27.94 TO 28.22		X		19	1478.4	
28.22 TO 28.66		X		22	2323.2	
28.66 TO 30.05		X	X	22, 12	7339.2	7339.2
30.05 TO 32.94	X	X		22, 12	15,259.2	15,259.2
32.94 TO 33.58		X		22	3379.2	
33.58 TO 33.81		X		19	1214.4	
33.81 TO 34.33		X		22	2745.6	6072.0
34.33 TO 34.52		X		6	1003.2	5913.6
SUBTOTAL					55,545.6	134,956.8
TOTAL					190,502	

* SEE TYPICAL MILE POST STRIPE DETAIL FOR LOCATIONS OF 38A STRIPE

PAVEMENT MARKER (RETROREFLECTIVE - RECESSED)

Co-Rte	PM - PM	TYPE D	TYPE G	TYPE H
		EA	EA	EA
Sis-97	24.0/34.5	3578	526	442
TOTAL		4546		

TEMPORARY PAVEMENT MARKING (PAINT)

PM	L†	Mid	R†	EA	SQFT	REMARKS
27.54			X	1	42	TYPE III (R) ARROW
27.68			X	1	42	TYPE III (R) ARROW
27.70		X		1	42	TYPE III (L) ARROW
27.79		X		1	42	TYPE III (L) ARROW
29.99			X	1	42	TYPE VI ARROW
30.04			X	1	42	TYPE VI ARROW
30.08			X	1	42	TYPE VI ARROW
30.11	X			1	42	TYPE VI ARROW
30.15	X			1	42	TYPE VI ARROW
30.18	X			1	42	TYPE VI ARROW
TOTAL					420	

TEMPORARY TRAFFIC STRIPE (PAINT)

POST MILE LIMITS	LOCATION			DETAIL NUMBER OR DESCRIPTION	TEMPORARY TRAFFIC STRIPE (PAINT) (LF)	
	L†	CENTER	R†		YELLOW	WHITE
24.00 TO 34.52	X		X	27B		110,932.8
24.00 TO 24.57		X		21	3009.6	
24.57 TO 24.72		X		21	792.0	
24.72 TO 24.88		X		21	844.8	
24.88 TO 25.19		X		21	1636.8	
25.19 TO 26.05		X		21	4540.8	
26.05 TO 26.16		X		21	580.8	
26.16 TO 26.58		X		21	2217.6	
26.58 TO 27.11		X		21	2798.4	
27.11 TO 27.18		X		21	369.6	
27.18 TO 27.51		X		21	1742.4	
27.51 TO 27.54		X	X	21, 27C	158.4	158.4
27.54 TO 27.57		X	X	21, 38A	158.4	158.4
27.57 TO 27.78	X	X		21, 38A	1108.8	1108.8
27.78 TO 27.94		X		28	844.8	
27.94 TO 28.22		X		21	1478.4	
28.22 TO 28.66		X		21	2323.2	
28.66 TO 30.05		X	X	21, 8	7339.2	7339.2
30.05 TO 32.94	X	X		21, 8	15,259.2	15,259.2
32.94 TO 33.58		X		21	3379.2	
33.58 TO 33.81		X		21	1214.4	
33.81 TO 34.33		X		21	2745.6	6072.0
34.33 TO 34.52		X		21	1003.2	5913.6
SUBTOTAL					55,545.6	134,956.8
TOTAL					190,502	

PAVEMENT DELINEATION QUANTITIES

PDQ-1

REVISED BY | DATE REVISED
STEVE VEATCH | KENDEE VANCE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
MARK MILLER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ADVANCE PLANNING

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LAST REVISION 02-25-10 | DATE PLOTTED => 12-JUL-2010 | TIME PLOTTED => 09:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sis	97	24.0/34.5	6	11

REGISTERED CIVIL ENGINEER DATE 02-25-10

PLANS APPROVAL DATE 02-26-10

REGISTERED PROFESSIONAL ENGINEER STEPHEN VEATCH No. C73772 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA

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NOTE:

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

ROADWAY QUANTITIES

POST MILE LIMITS	L†/R†	REMOVE ASPHALT CONCRETE DIKE	ROADWAY EXCAVATION	IMPORTED MATERIAL (SHOULDER BACKING)	HOT MIX ASPHALT	RUMBLE STRIP	PLACE HOT MIX ASPHALT DIKE (TYPE F)	TACK COAT	COMMENTS
		LF	CY	TON	TON	STA	LF	TON	
24.00 TO 34.52	L†/R†			6762	59,201	1109		146	
24.07 TO 24.24	R†	823			10.6		823		
24.33 TO 24.41	R†	347			4.5		348		
24.46	L†			3.04	26.1				ROAD CONNECTION CONFORM
24.81	R†			3.04	28.3				PAVED DRIVEWAY CONFORM
25.41	L†			3.04	13.1				PAVED DRIVEWAY CONFORM
26.19	L†			3.04	39.2				ROAD CONNECTION CONFORM
27.70	R†			3.04	56.6				ROAD CONNECTION CONFORM
27.70	L†		3.33	3.04	13.1				UNPAVED DRIVEWAY CONFORM
28.36	L†			3.04	56.6				ROAD CONNECTION CONFORM
28.76	R†			3.04	26.1				ROAD CONNECTION CONFORM
28.76	L†		14.44	3.04	56.6				UNPAVED DRIVEWAY CONFORM
30.14	R†			3.04	32.6				PAVED DRIVEWAY CONFORM
31.07 TO 31.34	L†	1351			17.5		1351		
31.69 TO 32.02	L†	1667			21.5		1668		
32.28	L†		6.67	3.04	26.1				UNPAVED DRIVEWAY CONFORM
32.61	R†			3.04	56.6				PAVED DRIVEWAY CONFORM
33.72	L†		3.33	3.04	13.1				UNPAVED DRIVEWAY CONFORM
33.89	L†		3.33	3.04	13.1				UNPAVED DRIVEWAY CONFORM
34.11 TO 34.21	R†	453			5.9		453		
34.35	R†		9.00	3.04	35.2				UNPAVED DRIVEWAY CONFORM
34.35	L†		6.67	3.04	26.1				UNPAVED DRIVEWAY CONFORM
34.37	R†		9.00	3.04	35.2				UNPAVED DRIVEWAY CONFORM
34.46	L†		4.44	3.04	17.4				UNPAVED DRIVEWAY CONFORM
34.52	R†		6.67	3.04	26.1				UNPAVED DRIVEWAY CONFORM
TOTAL		4641	67	6820	59,858	1109	4641	146	

COLD PLANE ASPHALT CONCRETE PAVEMENT

POST MILE	L†/R†	(N) WIDTH	(N) LENGTH	COLD PLANE ASPHALT CONCRETE PAVEMENT	COMMENTS
		LF	LF	SQYD	
24.00	L†/R†	40	120	533	MAINLINE CONFORM
24.46	L†	60	20	133	ROAD CONNECTION CONFORM
24.81	R†	60	20	145	PAVED DRIVEWAY CONFORM
25.41	L†	30	20	67	PAVED DRIVEWAY CONFORM
26.19	L†	90	20	200	ROAD CONNECTION CONFORM
27.70	R†	130	20	289	ROAD CONNECTION CONFORM
28.36	L†	130	20	289	ROAD CONNECTION CONFORM
28.76	R†	60	20	133	ROAD CONNECTION CONFORM
30.14	R†	80	20	167	PAVED DRIVEWAY CONFORM
32.61	R†	130	20	289	PAVED DRIVEWAY CONFORM
34.46	L†/R†	40	640	2844	CONFORM AT WIM STATION
34.52	L†/R†	40	120	533	MAINLINE CONFORM
			TOTAL	5622	

EXISTING CENSUS LOOPS (N)

Co-R†e	PM	DESCRIPTION	No. OF LOOPS
Sis-97	34.46	WEIGH IN MOTION SITE No. 311	4

EXISTING TRAFFIC MANAGEMENT SYSTEMS ELEMENTS (N)

POST MILE	ELEMENT TYPE	DESCRIPTION
29.91	CCTV	ON M† HEBRON SUMMIT

ROADWAY QUANTITIES

POST MILE LIMITS	(N) AVERAGE WIDTH	EMULSIFIED RECYCLING AGENT	COLD IN-PLACE RECYCLING	SAND COVER	ASPHALTIC EMULSION (FOG SEAL COAT)
	LF	TON	SQYD	TON	TON
24.00 TO 34.52	41.0	1590		219	133
24.00 TO 27.00	44.0		72160		
27.00 TO 27.60	49.5		15490		
27.60 TO 27.90	44.0		8715		
27.90 TO 28.60	53.0		18070		
28.60 TO 30.00	59.5		43530		
30.00 TO 30.20	56.0		6985		
30.20 TO 32.40	53.0		72280		
32.40 TO 32.93	45.0		16480		
32.93 TO 33.10	45.0		4488		
33.10 TO 34.52	41.0		34156		
		1590	292354	219	133

RECONSTRUCT METAL BEAM GUARD RAILING

POST MILE LIMITS	L†/R†	RECONSTRUCT MBGR	ALTERNATIVE FLARED TERMINAL SYSTEM	(N) BURIED POST ANCHOR
		LF	EA	EA
24.07 TO 24.24	R†	900		2
24.33 TO 24.41	R†	425		2
24.33 TO 24.39	L†	325		2
30.70 TO 30.89	L†	1000	2	
31.07 TO 31.34	L†	1425	2	
31.41 TO 31.58	L†	900	2	
31.69 TO 32.02	L†	1750	2	
34.11 TO 34.21	R†	525	2	
TOTAL		7250	10	6

SUMMARY OF QUANTITIES

Q-1

REVISED BY | DATE REVISED

STEVE VEATCH | KENDEE VANCE

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MARK MILLER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans ADVANCE PLANNING

P:\proj2\02\1E080_plans\pse\21E080pa001.dgn

LAST REVISION 02-25-10 | DATE PLOTTED => 12-JUL-2010 | TIME PLOTTED => 09:50

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sis	97	24.0/34.5	7	11

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

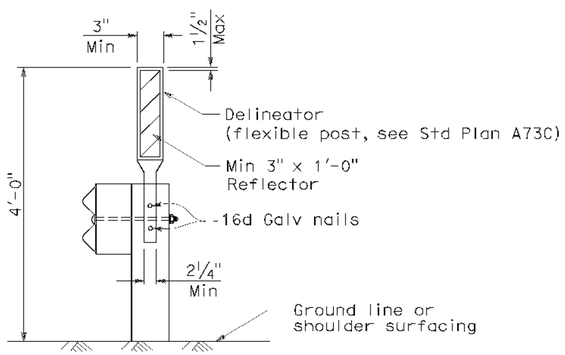
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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

To accompany plans dated 02-26-10

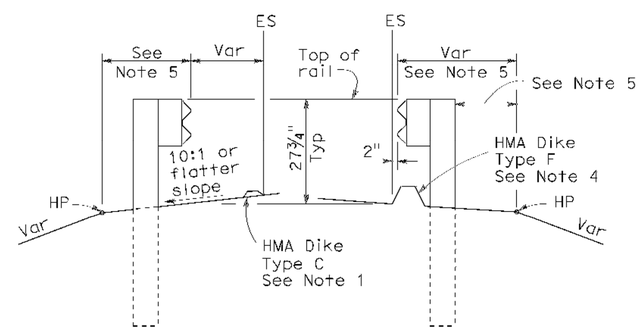
NOTES:

1. When necessary to place dike in front of face of guard railing, only Type C dike may be used. For dike details, see Standard Plan A87B.
2. For standard railing post embedment, see Standard Plans A77C3.
3. Guard railing delineation to be used where shown on the Project Plans.
4. When dike or curb is placed under guard railing, the maximum height of the dike or curb shall be 4". Mountable dike should not be used. For dike and curb details, see Revised Standard Plans RSP A87A and Standard Plan A87B.
5. For details of typical distance between the face of rail and hinge point, see Standard Plan A77C3.



GUARD RAILING DELINEATION

See Note 3



DIKE POSITIONING

See Note 1

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

METAL BEAM GUARD RAILING TYPICAL RAILING DELINEATION AND DIKE POSITIONING DETAILS

NO SCALE

RSP A77C4 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A77C4
DATED MAY 1, 2006 - PAGE 47 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A77C4

2006 REVISED STANDARD PLAN RSP A77C4

12 10 07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sis	97	24.0/34.5	8	11

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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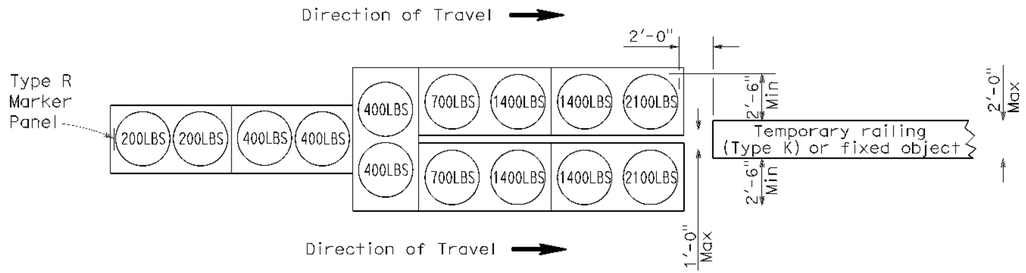
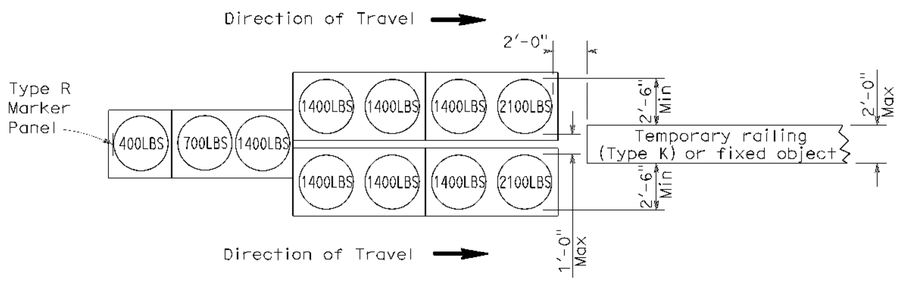
To accompany plans dated 02-26-10



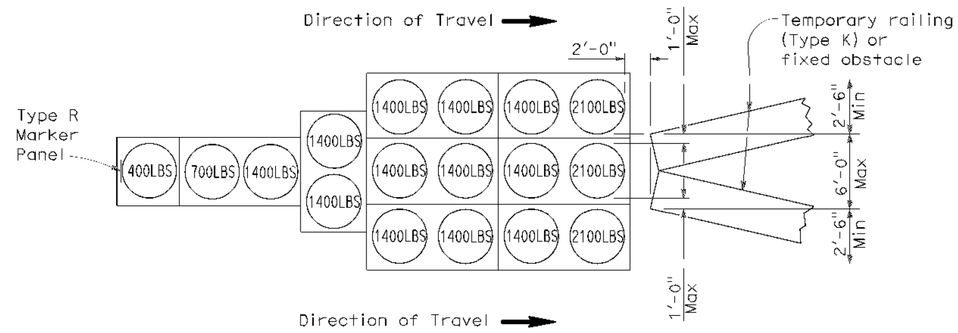
ARRAY 'TU14'

Approach speed 45 mph or more



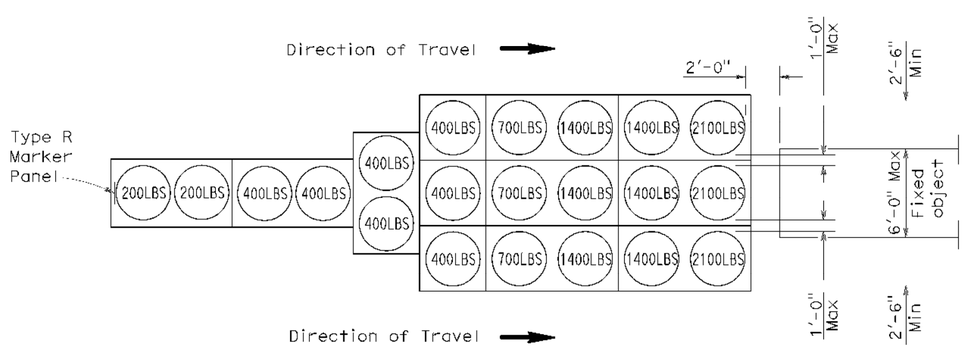
ARRAY 'TU11'

Approach speed less than 45 mph



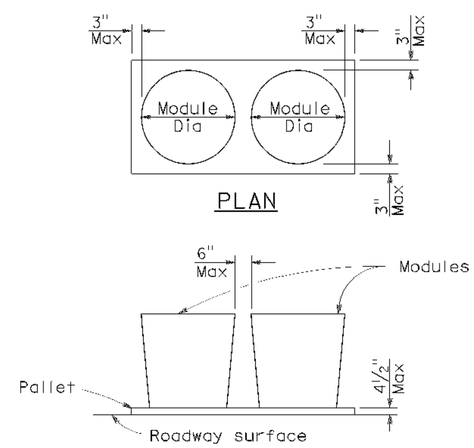
ARRAY 'TU17'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (UNIDIRECTIONAL)

NO SCALE

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

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

5 15 08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sis	97	24.0/34.5	9	11

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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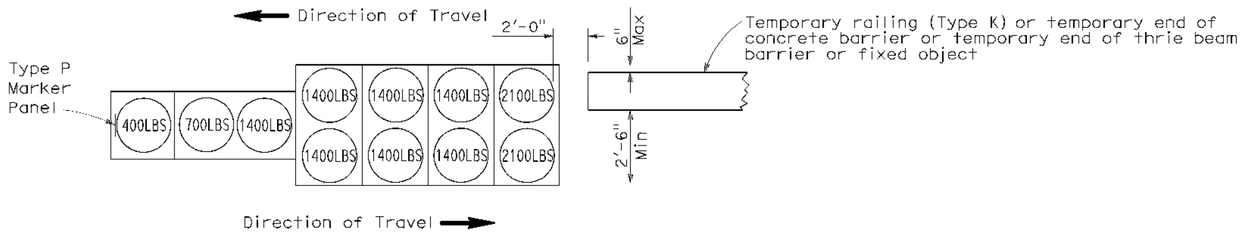
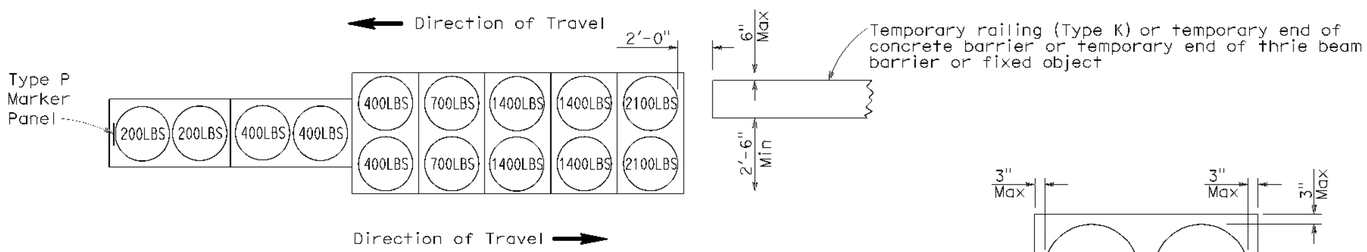
To accompany plans dated 02-26-10



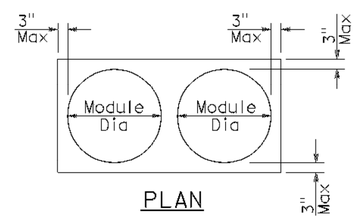
ARRAY 'TB11'

Approach speed less than 45 mph

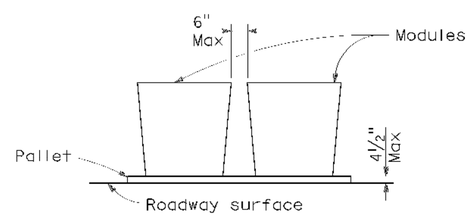


ARRAY 'TB14'

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
02	Sis	97	24.0/34.5	10	11

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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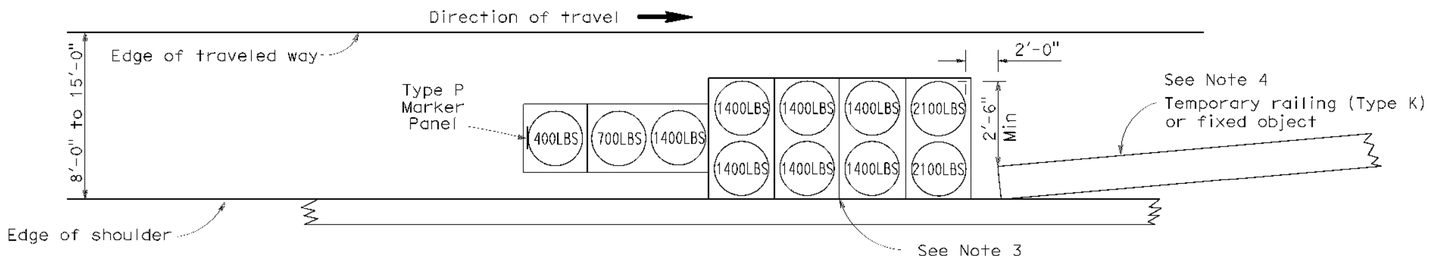
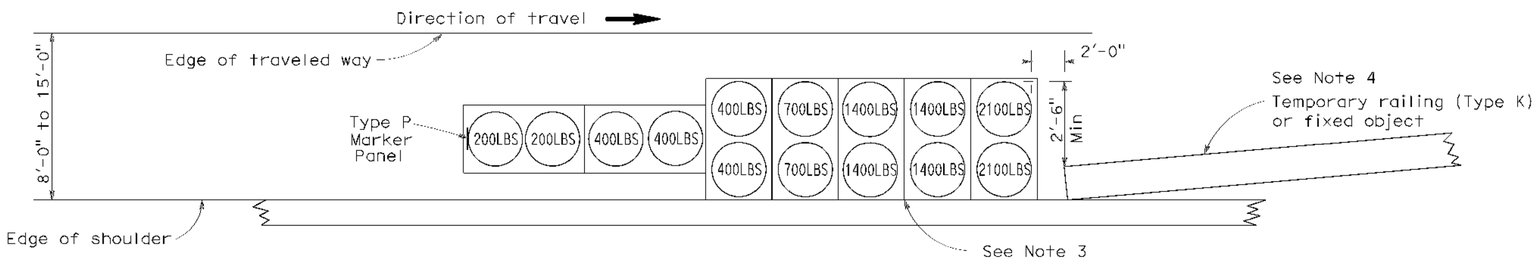
To accompany plans dated 02-26-10



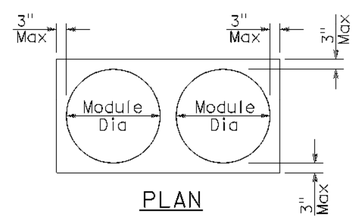
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

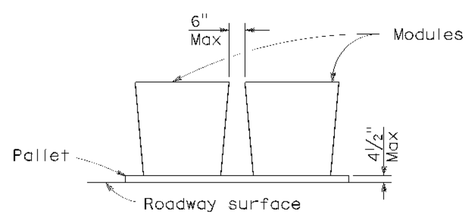


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

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

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Sis	97	24.0/34.5	11	11

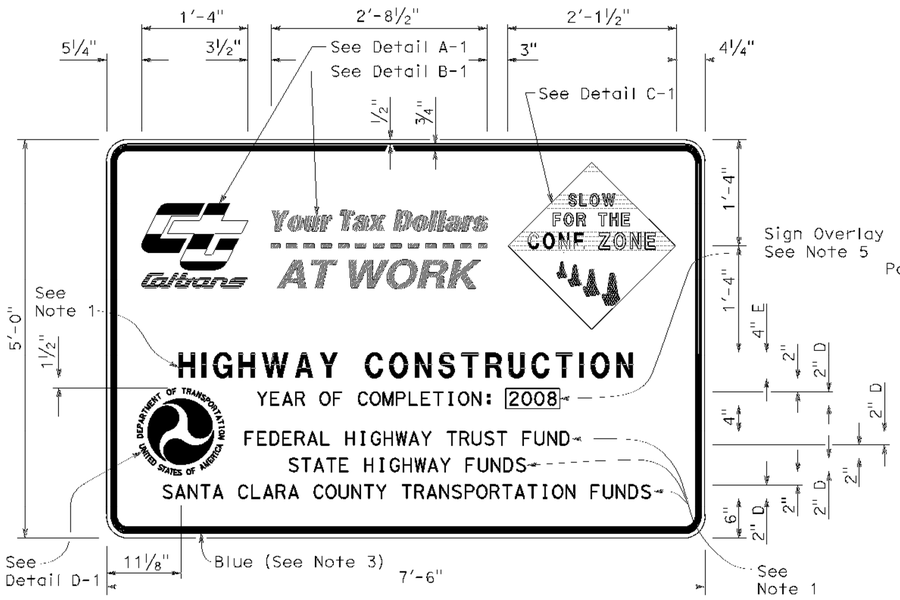
REGISTERED CIVIL ENGINEER

November 17, 2006
PLANS APPROVAL DATE

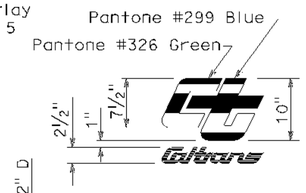
Greg W. Edwards No. C36386 Exp. 6-30-08 CIVIL STATE OF CALIFORNIA REGISTERED PROFESSIONAL ENGINEER

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

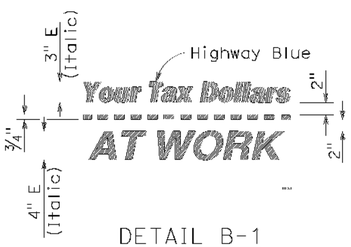
To accompany plans dated 02-26-10



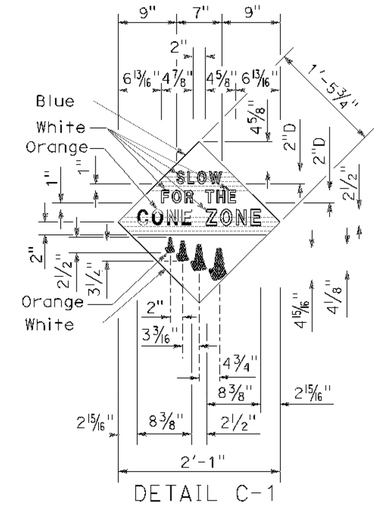
TYPE 1



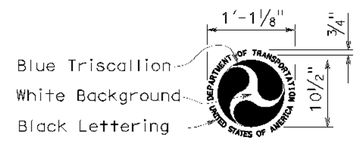
DETAIL A-1



DETAIL B-1
(See Note 3)



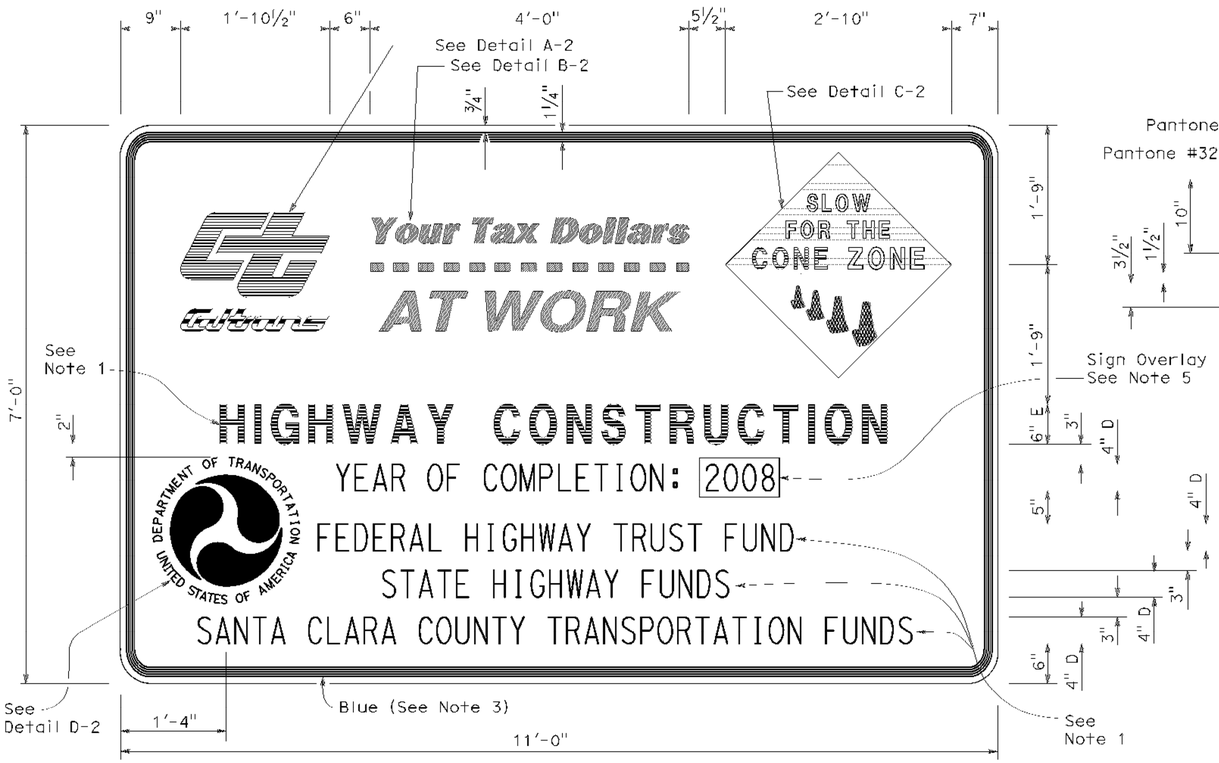
DETAIL C-1
(See Note 4)



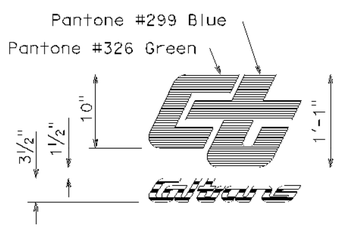
DETAIL D-1
(See Note 6)

NOTES:

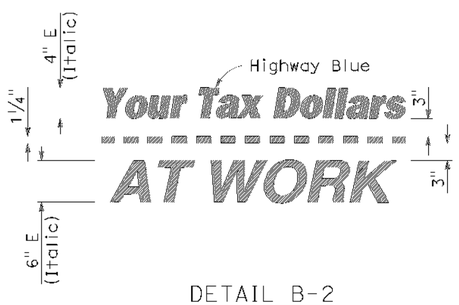
1. The sign messages shown for type of project and fund types are examples only. See the Special Provisions for the applicable type of project and fund type messages to be used.
2. Except as otherwise shown, the legend of sign shall be black on a white background (non-reflective).
3. The border of the signs and details "B-1" and "B-2" shall be blue (non-reflective).
4. The diamond in details "C-1" and "C-2" shall be blue for the background of message, " SLOW FOR THE CONE ZONE", and white background for the orange cones. The color and type of font for the "SLOW FOR THE CONE ZONE" message shall be: "SLOW" white D; "FOR THE" white D; "CONE" orange Arial font; "ZONE" white Arial font.
5. Year of completion of project construction shown on the overlay is an example only. See the Special Provisions.
6. Use when the Project involves Federal Highway Trust Fund.



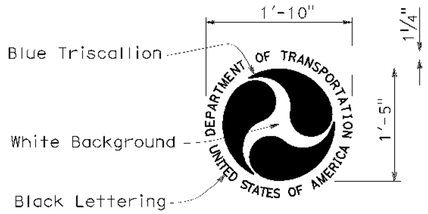
TYPE 2



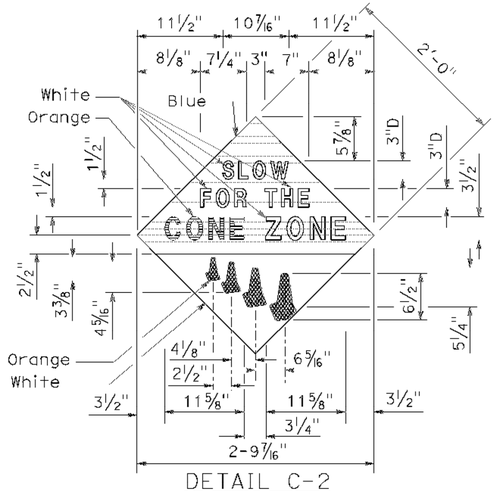
DETAIL A-2



DETAIL B-2
(See Note 3)



DETAIL D-2
(See Note 6)



DETAIL C-2
(See Note 4)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS

NO SCALE

RSP T7 DATED NOVEMBER 17, 2006 SUPERSEDES STANDARD PLAN T7 DATED MAY 1, 2006 - PAGE 217 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T7

2006 REVISED STANDARD PLAN RSP T7