Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	0.0/33.0	1	10

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL CROSS SECTION
3	CONSTRUCTION AREA SIGNS
4	PAVEMENT DELINEATION DETAILS
5	PAVEMENT DELINEATION QUANTITIES
6	SUMMARY OF QUANTITIES
7-10	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

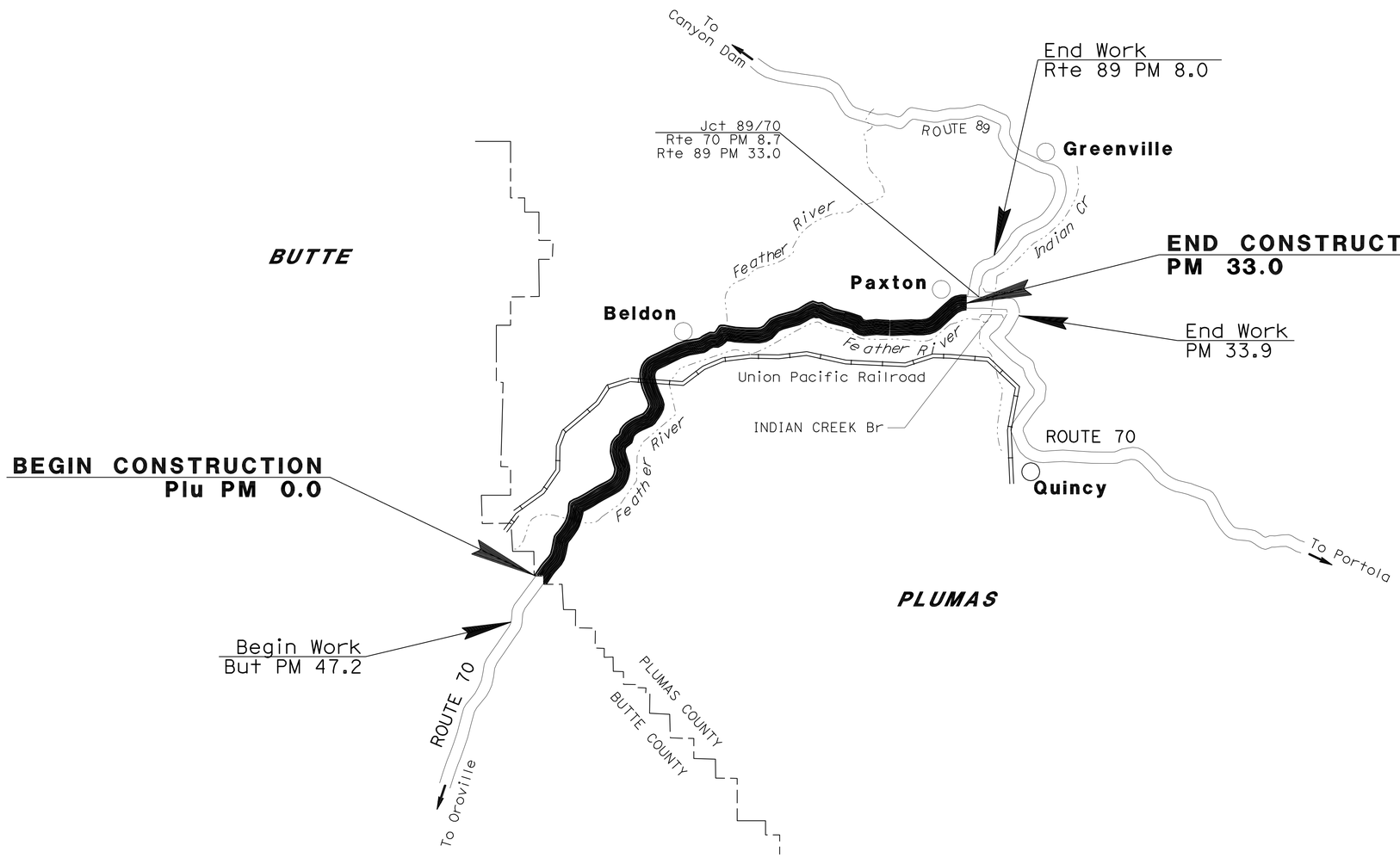
PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN PLUMAS COUNTY FROM BUTTE COUNTY LINE TO ROUTE 89

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

LOCATION MAP



NO SCALE

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

Denise Fuzeré 09-28-11
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
DENISE FUZERÉ
No. C69865
Exp. 09-30-12
CIVIL
STATE OF CALIFORNIA

September 28, 2011
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.	02-3E9404
PROJECT ID	0200020217

LAST REVISION 09-28-11 | DATE PLOTTED => 03-OCT-2011 | TIME PLOTTED => 14:14

DESIGN ENGINEER: LANCE BROWN
PROJECT MANAGER: LANCE BROWN

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	0.0/33.0	2	10

Denise Fuzere 09-28-11
REGISTERED CIVIL ENGINEER DATE

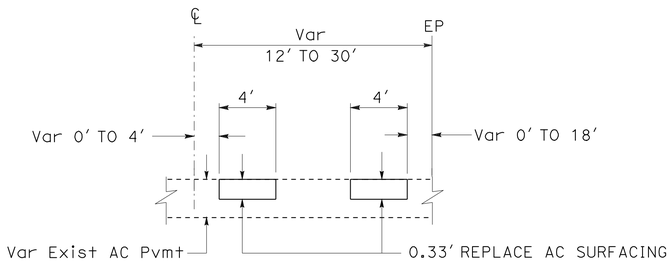
09-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DENISE FUZERE
No. C69865
Exp. 9-30-12
CIVIL
STATE OF CALIFORNIA

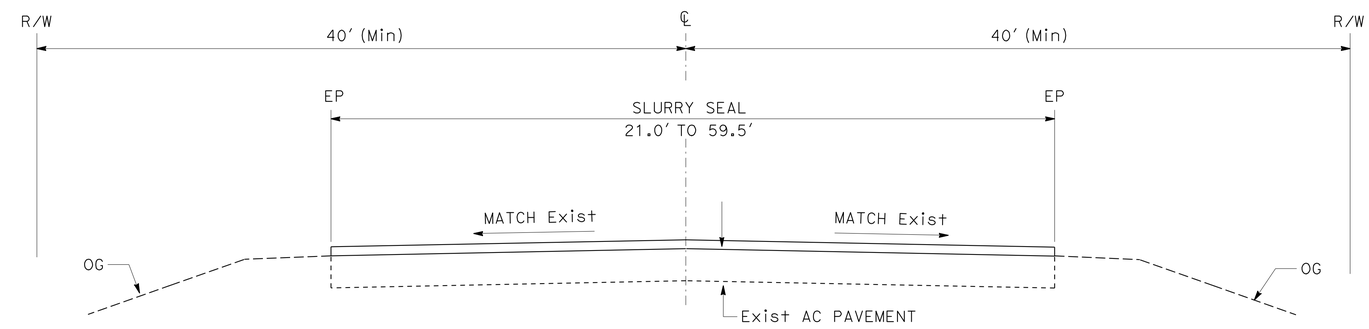
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS AS SHOWN OR AS DETERMINED BY THE ENGINEER.
3. DO NOT PLACE SLURRY ON BRIDGE DECKS, OR IN TUNNELS.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



REPLACE AC SURFACING
(TYPICAL BOTH DIRECTIONS)



TYPICAL CROSS SECTION
PM 0.0 TO 33.0

TYPICAL CROSS SECTIONS
NO SCALE

X-1

CALCULATED-DESIGNED BY: DENISE FUZERE
CHECKED BY: KARLIE J. SMITH
FUNCTIONAL SUPERVISOR: LANCE BROWN
REVISED BY | DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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LAST REVISION | DATE PLOTTED => 03-OCT-2011
09-28-11 | TIME PLOTTED => 14:15

BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 23E940ca001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02000202171

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	0.0/33.0	3	10

Denise Fuzeré 09-28-11
REGISTERED CIVIL ENGINEER DATE

09-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER DENISE FUZERE No. C69865 Exp. 9-30-12 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.

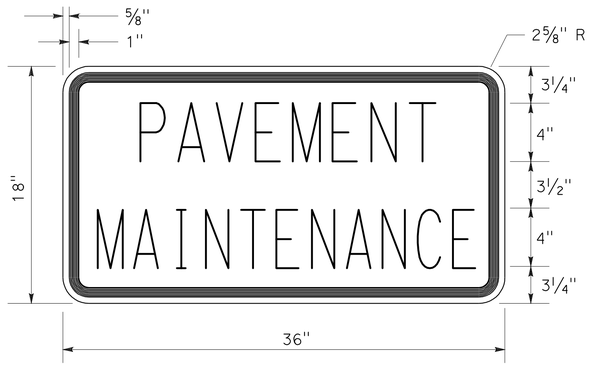
NOTES:

1. EXACT LOCATION OF ALL SIGNS TO BE DETERMINED BY THE ENGINEER.
2. CALIFORNIA CODES ARE DESIGNATED BY (CA), OTHERWISE FEDERAL CODES ARE SHOWN.
3. INTERMEDIATE G20-1 SIGNS SHOULD BE PLACED EVERY 3 TO 5 MILES AS NECESSARY.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

LEGEND:

ONE POST STATIONARY MOUNTED SIGN.

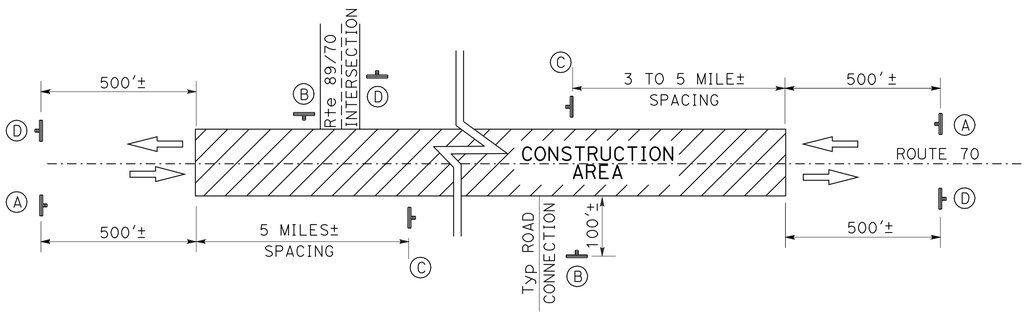
DIRECTION OF TRAFFIC



C23B(CA) SIGN PANEL DETAIL

ROAD CONNECTIONS

PM	DESCRIPTION
3.15	ROCK CREEK ROAD - Lt
5.16	BUCKS POWERHOUSE ROAD - Rt
5.39	STORRIE DRIVEWAY - Lt
6.26	ROCK CREST CAMP - Lt
6.82	TOBIN RESORT ROAD - Rt
7.47	TOBIN DUMP ROAD - Lt
8.23	INJUN JIM SCHOOL ROAD - Rt
8.39	INJUN JIM CAMPGROUND - Rt
9.90	PGE ROGERS FLAT ROAD - Rt
14.96	BELDEN ROAD - Rt
16.59	CARIBOU ROAD - Lt
17.44	FRENCH BAR ROAD (DIRT) - Lt
18.82	RICH BAR ROAD - Rt
23.71	RUSH CREEK ROAD - Lt
24.84	RAILROAD MAINTENANCE HOUSE ROAD - Rt
26.53	HALLSTED CAMPGROUND (USFS) - Rt
26.92	TWAIN ROAD - Rt
29.05	FEATHER RIVER HOT SPRINGS - Rt
32.31	PAXTON LODGE ROAD - Rt
33.02	JCT 70/89 - Rt



CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

TYPE	CODE	PANEL SIZE	SIGN MESSAGE	No. AND SIZE OF POST	No. OF SIGNS
A	W20-1 C23B(CA)	48" x 48" 36" x 18"	ROAD WORK AHEAD "PAVEMENT MAINTENANCE"	1- 4" x 6"	2
B	W20-1	48" X 48"	ROAD WORK AHEAD	1- 4" x 6"	20
C	G20-1	36" x 18"	ROAD WORK NEXT XX MILES	1- 4" x 4"	14
D	G20-2	36" x 18"	END ROAD WORK	1- 4" x 4"	3

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

FUNCTIONAL SUPERVISOR: LANCE BROWN
CALCULATED-DESIGNED BY: DENISE FUZERE
CHECKED BY: KARLIE J. SMITH
REVISED BY
DATE REVISED

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LAST REVISION 09-28-11
DATE PLOTTED => 03-OCT-2011
TIME PLOTTED => 14:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	0.0/33.0	4	10

Denise Fuzere 09-28-11
REGISTERED CIVIL ENGINEER DATE

09-28-11
PLANS APPROVAL DATE

DENISE FUZERE No. C69865 Exp. 9-30-12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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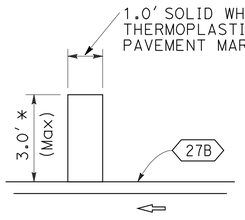


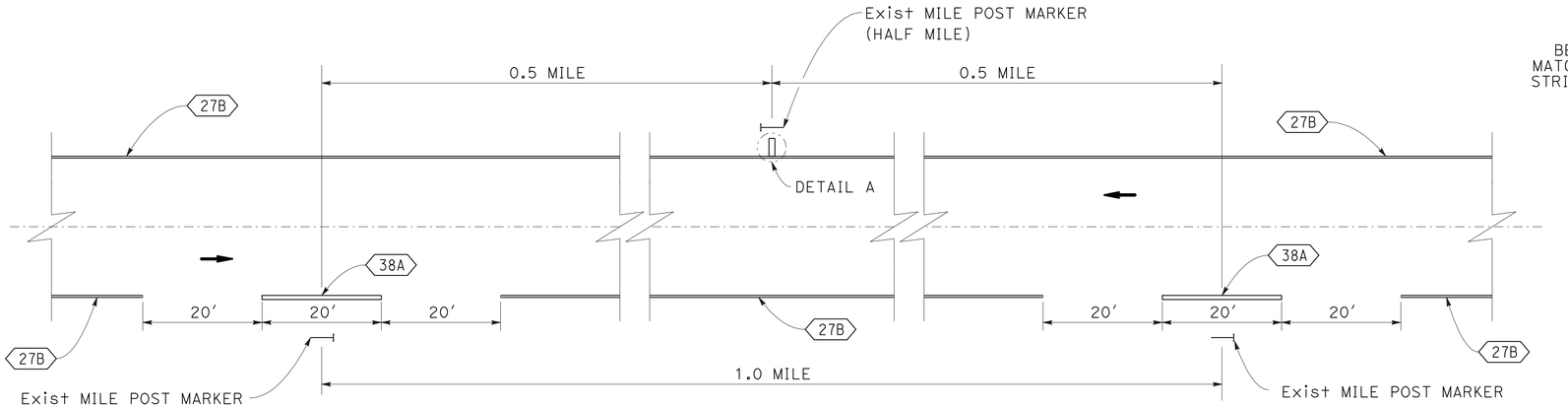
DETAIL A

* ACTUAL LENGTH MAY VARY DUE TO PAVEMENT WIDTH

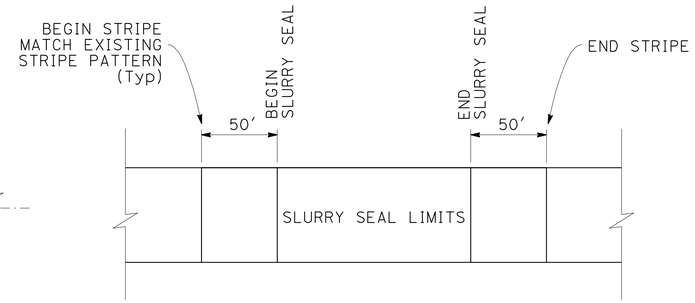
LEGEND:

DIRECTION OF TRAFFIC

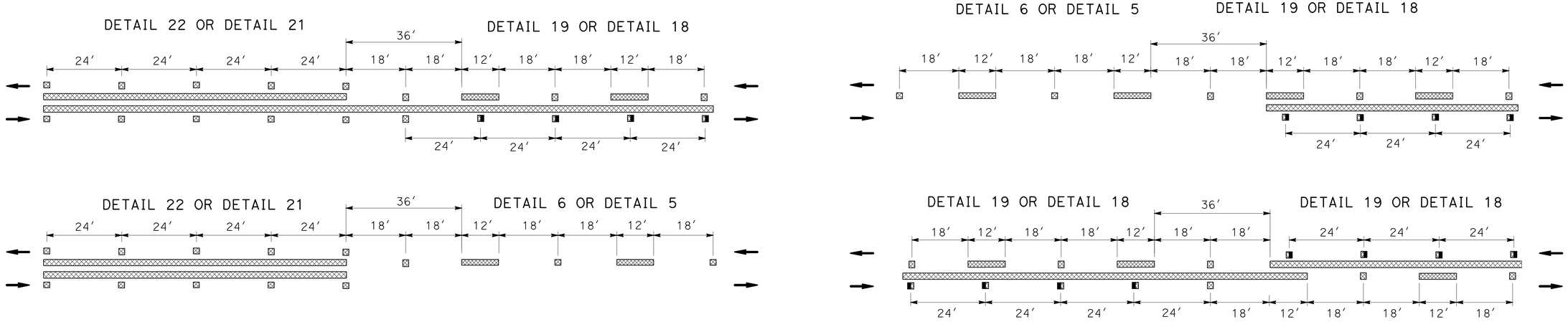
TRAFFIC STRIPE DETAIL No.



TYPICAL HALF MILE AND MILE POST STRIPE



TRAFFIC STRIPE MATCH DETAIL



TYPICAL STRIPE TRANSITION DETAILS

PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-1

REVISED BY | DATE REVISED
DENISE FUZERE | KARLIE J. SMITH
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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LAST REVISION | DATE PLOTTED => 03-OCT-2011 | TIME PLOTTED => 14:15
09-28-11

BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 23E940nb001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02000202171

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	0.0/33.0	5	10

Denise Fuzere 09-28-11
REGISTERED CIVIL ENGINEER DATE

09-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DENISE FUZERE
No. C69865
Exp. 9-30-12
CIVIL
STATE OF CALIFORNIA

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NOTES:

1. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
2. DO NOT PLACE RECESSED MARKERS ON BRIDGE DECKS.

ABBREVIATIONS:

MID MIDDLE

PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)

POST MILE LIMITS	TYPE D	TYPE G	TYPE H
	EA	EA	EA
0.00 TO 33.00	13,267	197	614
TOTAL	14,078		

THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)

POST MILE LIMITS	DETAIL 6	DETAIL 9	DETAIL 19	DETAIL 22	DETAIL 27B	DETAIL 27C	DETAIL 29	DETAIL 38	DETAIL 38A
	LF	LF	LF	LF	LF	LF	LF	LF	LF
0.00 TO 33.00	5174	7128	14,731	153,595	342,408	3696	634	1162	1426
TOTAL	529,954								

REMOVE THERMOPLASTIC PAVEMENT MARKING

PM	Lt	Mid	Rt	EA	SQFT	REMARKS
8.98	X			1	42.0	TYPE VI ARROW
9.01	X			1	42.0	TYPE VI ARROW
9.06	X			1	42.0	TYPE VI ARROW
9.08			X	1	42.0	TYPE VI ARROW
9.11			X	1	42.0	TYPE VI ARROW
9.14			X	1	42.0	TYPE VI ARROW
9.74			X	1	15.0	TYPE IV (R) ARROW
9.80			X	1	15.0	TYPE IV (R) ARROW
9.83		X		1	15.0	TYPE IV (L) ARROW
9.88		X		1	15.0	TYPE IV (L) ARROW
19.03			X	1	15.0	TYPE IV (R) ARROW
19.04			X	1	15.0	TYPE IV (R) ARROW
19.06		X		1	15.0	TYPE IV (L) ARROW
19.08		X		1	15.0	TYPE IV (L) ARROW
24.08	X			1	42.0	TYPE VI ARROW
24.12	X			1	42.0	TYPE VI ARROW
24.16	X			1	42.0	TYPE VI ARROW
24.28			X	1	42.0	TYPE VI ARROW
24.32			X	1	42.0	TYPE VI ARROW
24.36			X	1	42.0	TYPE VI ARROW
TOTAL					624.0	

THERMOPLASTIC PAVEMENT MARKING

PM	Lt	Mid	Rt	EA	SQFT	REMARKS
8.98	X			1	42.0	TYPE VI ARROW
9.01	X			1	42.0	TYPE VI ARROW
9.06	X			1	42.0	TYPE VI ARROW
9.08			X	1	42.0	TYPE VI ARROW
9.11			X	1	42.0	TYPE VI ARROW
9.14			X	1	42.0	TYPE VI ARROW
9.74			X	1	15.0	TYPE IV (R) ARROW
9.80			X	1	15.0	TYPE IV (R) ARROW
9.83		X		1	15.0	TYPE IV (L) ARROW
9.88		X		1	15.0	TYPE IV (L) ARROW
19.03			X	1	15.0	TYPE IV (R) ARROW
19.04			X	1	15.0	TYPE IV (R) ARROW
19.06		X		1	15.0	TYPE IV (L) ARROW
19.08		X		1	15.0	TYPE IV (L) ARROW
24.08	X			1	42.0	TYPE VI ARROW
24.12	X			1	42.0	TYPE VI ARROW
24.16	X			1	42.0	TYPE VI ARROW
24.28			X	1	42.0	TYPE VI ARROW
24.32			X	1	42.0	TYPE VI ARROW
24.36			X	1	42.0	TYPE VI ARROW
0.00 TO 33.00			X	33	99.0	DETAIL A
TOTAL					723.0	

PAVEMENT DELINEATION QUANTITIES

PDQ-1

REVISED BY | DATE REVISED
DENISE FUZERE | KARLIE J. SMITH
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

LAST REVISION 09-28-11 | DATE PLOTTED => 03-OCT-2011 | TIME PLOTTED => 14:15

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BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 23E940nc001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0156 | PROJECT NUMBER & PHASE 02000202171

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	0.0/33.0	6	10

Denise Fuzere 09-28-11
REGISTERED CIVIL ENGINEER DATE

09-28-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DENISE FUZERE
No. C69865
Exp. 9-30-12
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. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
2. EXACT LOCATIONS OF REPLACE ASPHALT CONCRETE SURFACING TO BE DETERMINED BY THE ENGINEER.
3. EXACT LOCATIONS OF SLURRY SEAL AT PULLOUTS TO BE DETERMINED BY THE ENGINEER.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

SLURRY SEAL

POST MILE LIMITS	(N) LENGTH	(N) WIDTH	SLURRY SEAL	POST MILE LIMITS	(N) LENGTH	(N) WIDTH	SLURRY SEAL
PM TO PM	LF	LF	TON	PM TO PM	LF	LF	TON
0.00-0.50	2640.0	26.0-27.0		9.72-10.25	2798.4	37.5-47.5	
0.50-0.73	1214.4	27.0-29.5		10.25-10.31	316.8	47.50-26.0	
0.73-0.80	*			10.31-10.50	1003.2	26.0-27.0	
0.80-0.99	1003.2	27.0		10.50-11.00	2640.0	27.0-28.0	
0.99-1.21	*			11.00-12.30	6864.0	28.0-27.0	
1.21-1.50	1531.2	29.0-25.5		12.30-13.00	3696.0	27.0-26.0	
1.50-2.00	2640.0	25.5-26.0		13.00-13.56	2956.8	26.0-26.5	
2.00-2.50	2640.0	26.0-27.0		13.56-13.58	**		
2.50-2.85	1848.0	27.0		13.58-14.00	2217.6	26.5	
2.85-2.88	158.4	27.0-28.0		14.00-14.37	1953.6	26.5-52.5	
2.88-2.92	211.2	28.0-51.5		14.37-14.50	686.4	52.5-26.5	
2.92-3.02	528.0	51.5-45.0		14.50-14.90	2112.0	26.5-29.0	
3.02-3.05	158.4	45.0-27.0		14.90-14.94	**		
3.05-3.07	105.6	27.0-21.0		14.94-15.00	316.8	29.0	
3.07-3.13	**			15.00-15.50	2640.0	29.0-25.0	
3.13-3.50	1953.6	21.5-26.0		15.50-16.54	5491.2	25.0	
3.50-3.67	897.6	26.0		16.54-16.57	**		
3.67-3.72	264.0	26.0-41.0	2641.0	16.57-17.50	4910.4	25.0-25.5	7224.0
3.72-3.79	369.6	41.0		17.50-19.00	7920.0	25.5	
3.79-3.81	105.6	41.0-29.0		19.00-23.00	21,120.0	25.5-26.0	
3.81-3.83	105.6	29.0-37.5		23.00-23.67	3537.6	26.0	
3.83-3.86	158.4	37.5		23.67-23.67	**		
3.86-3.87	52.8	37.5-28.5		23.67-23.90	1205.3	26.0	
3.87-4.00	686.4	28.5-27.5		23.90-24.00	528.0	26.0-46.5	
4.00-5.00	5280.0	27.5-26.5		24.00-24.36	1900.8	46.5-56.0	
5.00-5.50	2640.0	26.5-27.0		24.36-24.45	475.2	56.0-50.0	
5.50-5.58	422.4	27.0		24.45-24.50	264.0	50.0-38.0	
5.58-6.26	**			24.50-24.82	1689.6	38.0-25.5	
6.26-6.99	3854.4	27.0		24.82-26.40	8342.4	25.5	
6.99-7.05	**			26.40-28.38	10,454.4	25.5-25.0	
7.05-8.84	9451.2	27.0		28.38-29.68	6864.0	25.0	
8.84-8.90	316.8	27.0-49.5		29.68-29.82	739.2	25.0-41.5	
8.90-9.04	739.2	49.5-59.5		29.82-30.00	950.4	41.5-25.0	
9.04-9.05	**			30.00-31.50	7920.0	25.0-25.5	
9.05-9.21	844.8	59.5-52.0		31.50-32.50	5280.0	25.5-35.0	
9.21-9.43	1161.6	52.0-26.0		32.50-32.90	2112.0	35.0	
9.43-9.72	1531.2	26.0-37.5		32.90-33.00	528.0	35.0-42.0	
				PULLOUTS (NOTE 3)			500.0
SUBTOTAL			2641.0	SUBTOTAL			7724.0
						TOTAL	10,365

* TUNNEL (DO NOT PLACE SLURRY)
** BRIDGE DECK (DO NOT PLACE SLURRY)

REPLACE ASPHALT CONCRETE SURFACING

POST MILE LIMITS	(N) Approx No. OF DIGOUTS	(N) LENGTH Avg	(N) WIDTH	(N) DEPTH	REPLACE ASPHALT CONCRETE SURFACING (NOTE 2)
PM - PM		LF	LF	LF	CY
0.00/33.00	400	100	4	0.33	1956
			TOTAL		1956

MAINTAIN EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION

ELEMENT	LOCATION Co-Rte-PM	DESCRIPTION
HAR FLASHER	Plu-70-32.97	WEST OF ROUTE 70/89 Jct (FOR EB TRAFFIC)
CCTV	Plu-70-33.00	AT SAND HOUSE
3 LOOPS	Plu-70-33.04	AT ROUTE 89/70 Jct (GREENVILLE WYE)

SUMMARY OF QUANTITIES
Q-1

DENISE FUZERE — CALCULATED-DESIGNED BY
KARLIE J. SMITH — CHECKED BY
REVISED BY — DATE REVISED
LANCE BROWN — FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

LAST REVISION | DATE PLOTTED => 03-OCT-2011
09-28-11 | TIME PLOTTED => 14:15

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Plu	70	0.0/33.0	7	10

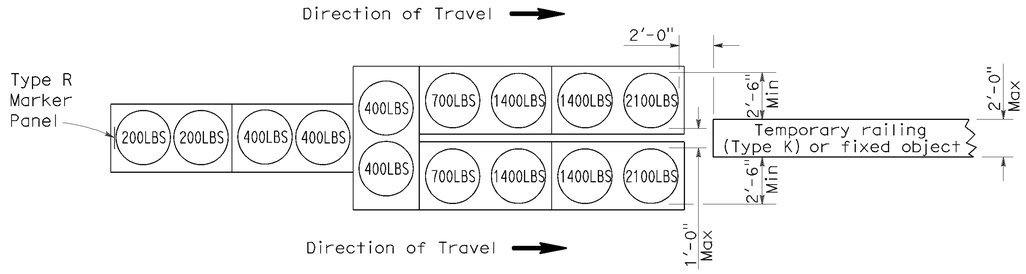
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

Registered Professional Engineer — Randell D. Hiatt — No. C50200 — Exp. 6-30-09 — CIVIL — State of California

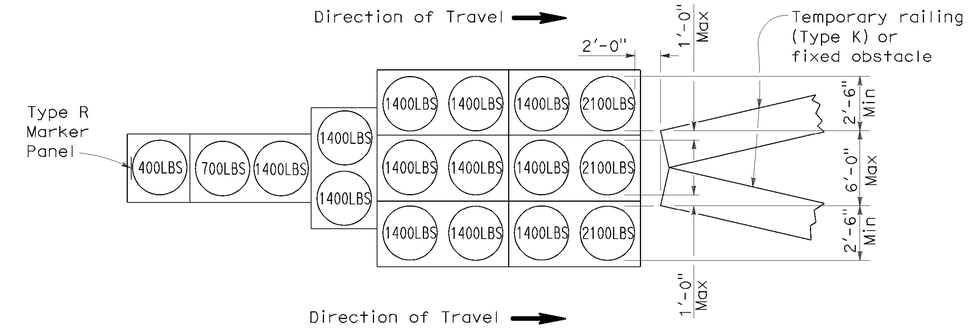
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 09-28-11



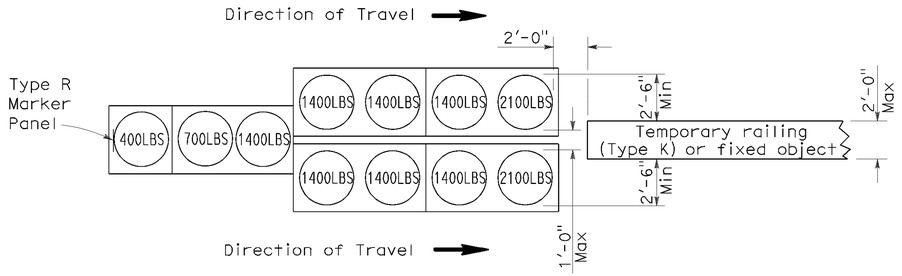
ARRAY 'TU14'

Approach speed 45 mph or more



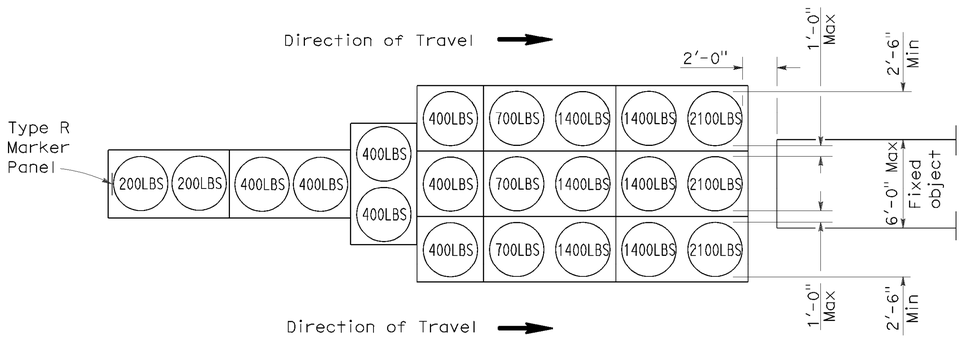
ARRAY 'TU17'

Approach speed less than 45 mph



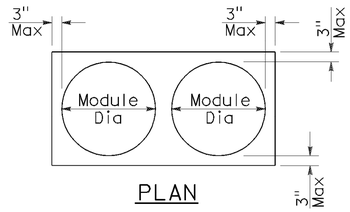
ARRAY 'TU11'

Approach speed less than 45 mph

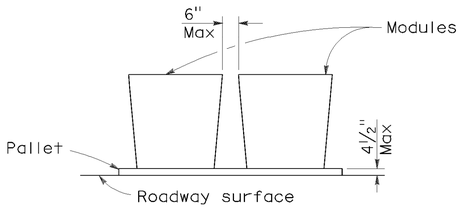


ARRAY 'TU21'

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

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5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Plu	70	0.0/33.0	8	10

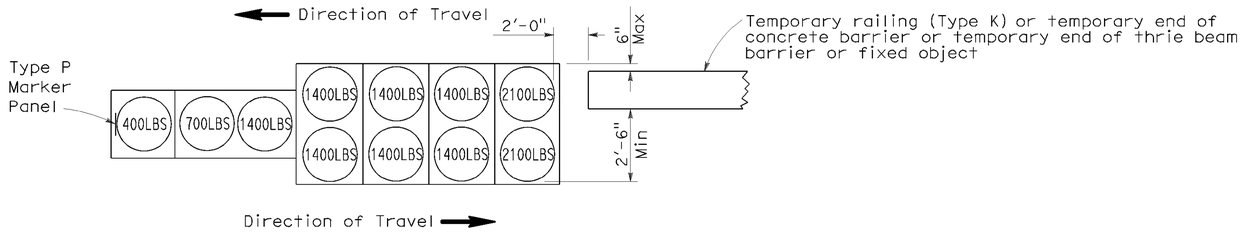
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

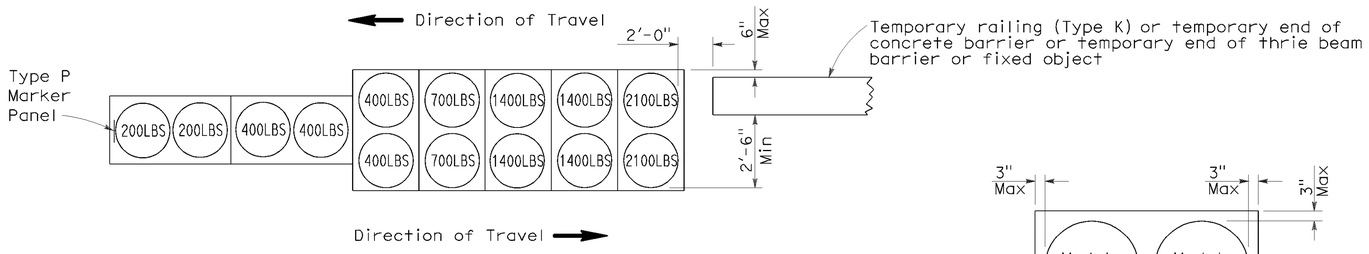
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 09-28-11



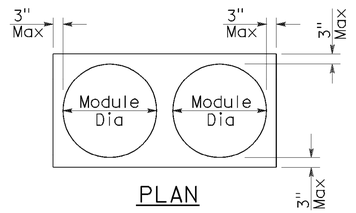
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



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

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5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Plu	70	0.0/33.0	9	10

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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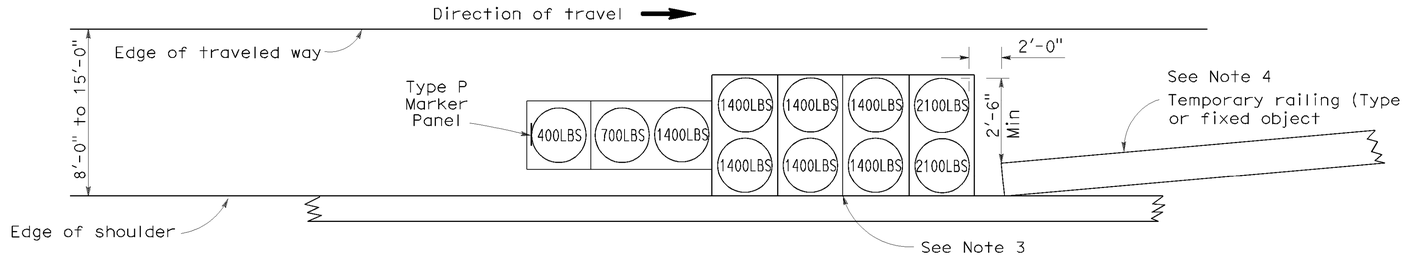
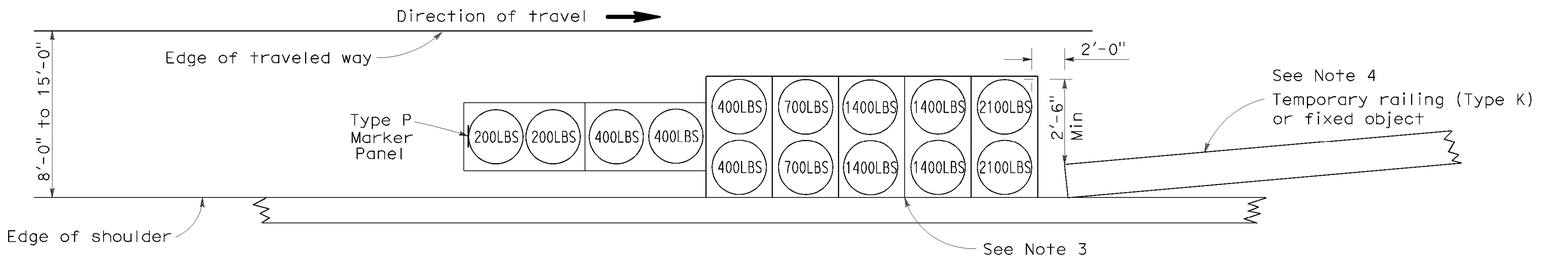
To accompany plans dated 09-28-11



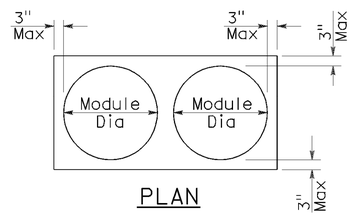
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

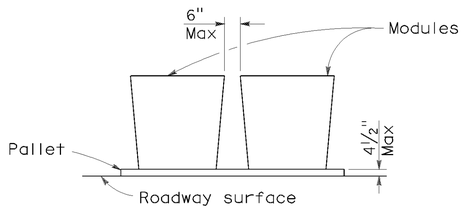


ARRAY 'TS14'

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

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5-15-08

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	0.0/33.0	10	10

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

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

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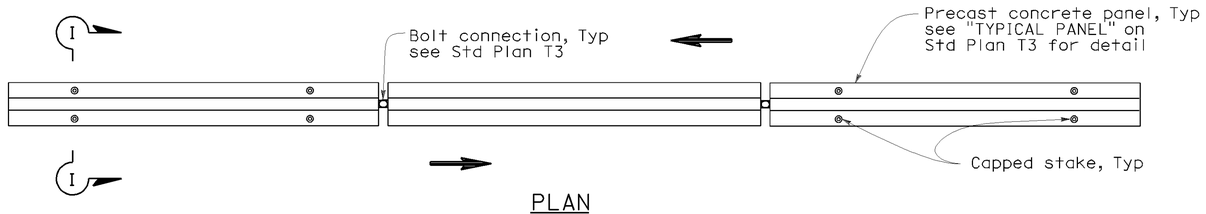
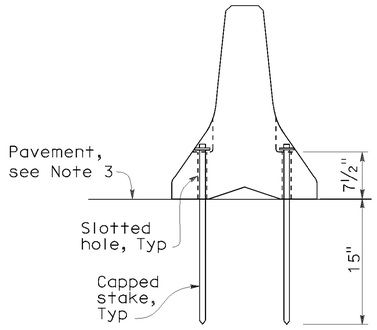
To accompany plans dated 09-28-11



PLAN

RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

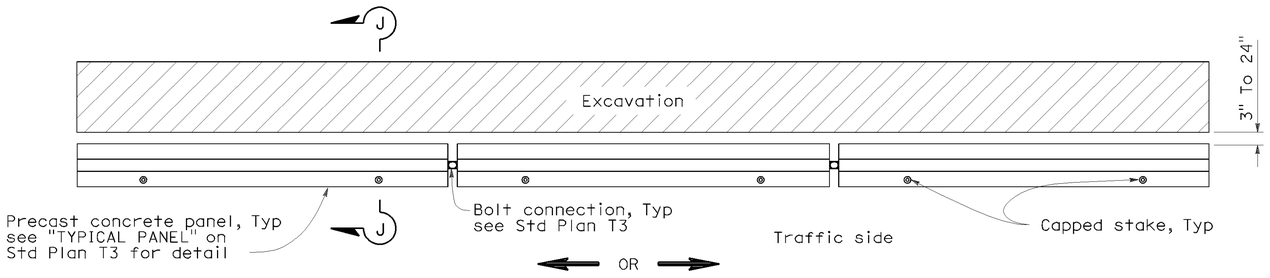
See Note 1



SECTION I-I

NOTES:

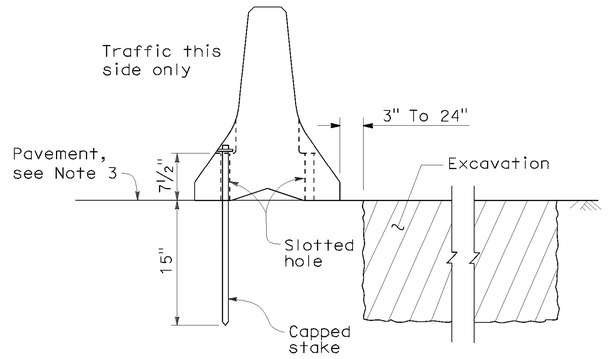
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by ⟶.



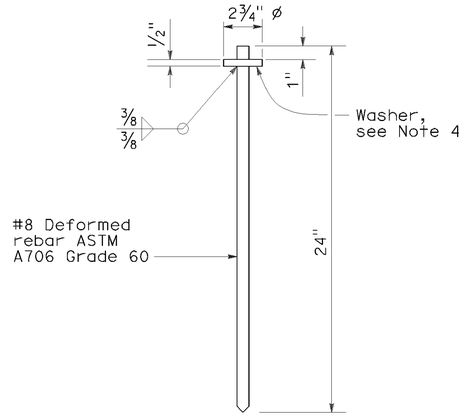
PLAN

RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

See Note 2



SECTION J-J



CAPPED STAKE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY RAILING (TYPE K)

NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T3A

2006 NEW STANDARD PLAN NSP T3A

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8-31-10