Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Las,Mod, Sha,Teh, Tri	36,70,139, 299,395	Var	1	5

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

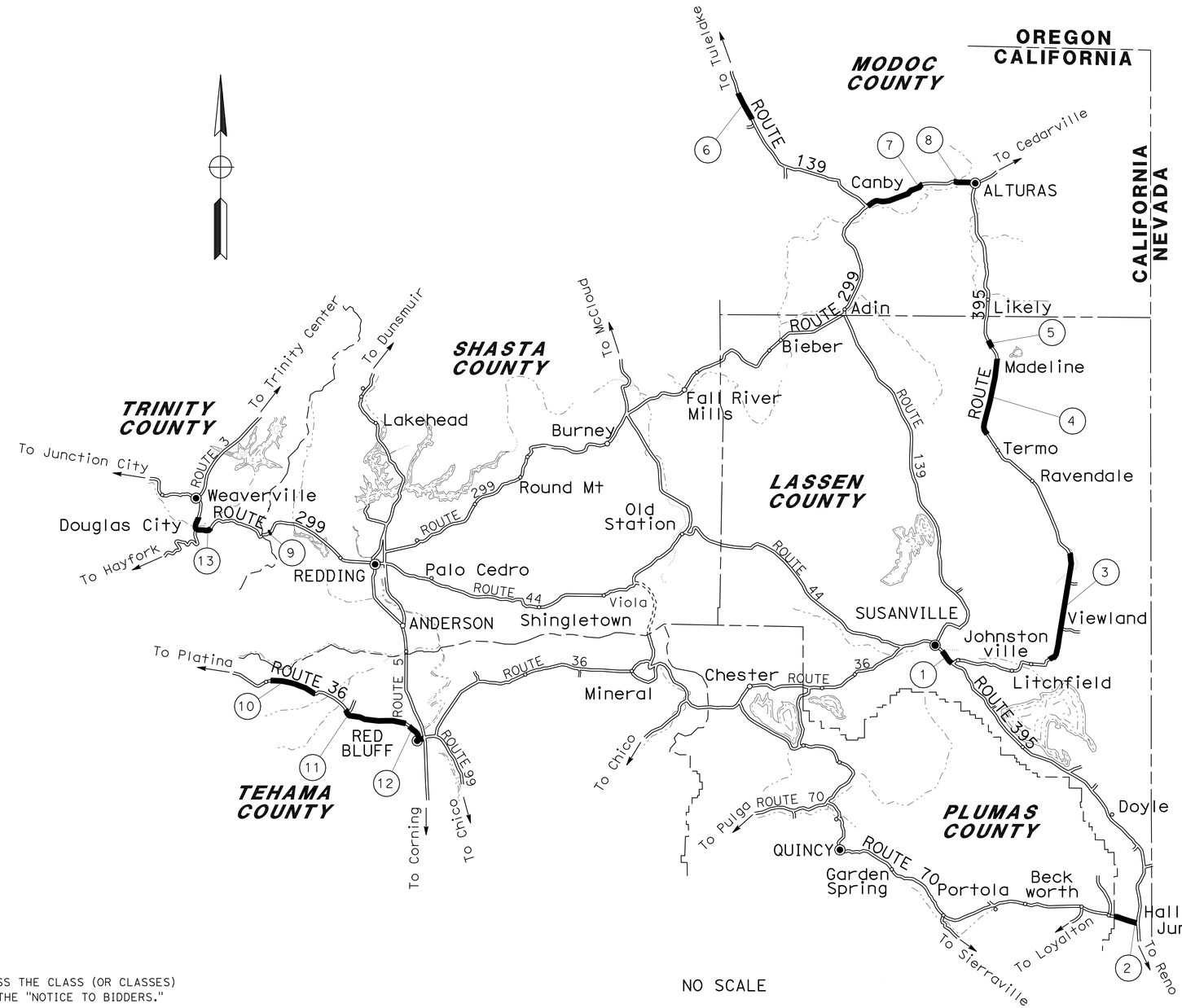
STATE HIGHWAY

IN LASSEN, MODOC, SHASTA, TEHAMA, AND TRINITY COUNTIES AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE
2	PAVEMENT DELINEATION DETAILS AND QUANTITIES
3-5	REVISED STANDARD PLANS



NO SCALE

LOCATION MAP

LOCATIONS OF CONSTRUCTION

No.	COUNTY	ROUTE	POST MILE	RAILROAD POST MILE
1	Las	36	R26.5/R29.3	R27.0
2	Las	70	0.0/3.9	-
3	Las	395	R76.6/94.0	82.0
4	Las	395	119.0/128.7	-
5	Las	395	131.0/133.0	-
6	Mod	139	27.9/34.0	-
7	Mod	299	21.8/33.5	23.1
8	Mod	299	37.5/40.0	-
9	Sha	299	2.0/2.3	-
10	Teh	36	12.4/17.3	-
11	Teh	36	23.1/R32.0	-
12	Teh	36	37.7/41.8	41.2
13	Tri	299	53.4/61.0	-

Scott C. Gregory 11-30-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 6/30/12 CIVIL STATE OF CALIFORNIA

November 30, 2010
PLANS APPROVAL DATE

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

CONTRACT No.	02-3E5504
PROJECT ID	0200020026

PROJECT MANAGER: LANCE BROWN
DESIGN ENGINEER: LANCE BROWN

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LAST REVISION 11-30-10 | DATE PLOTTED => 30-NOV-2010 | TIME PLOTTED => 09:38

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Las,Mod, Sha,Teh,Tri	36,70,139, 299,395,	Var	2	5

REGISTERED CIVIL ENGINEER 11-30-10 DATE

11-30-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 6/30/12 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.

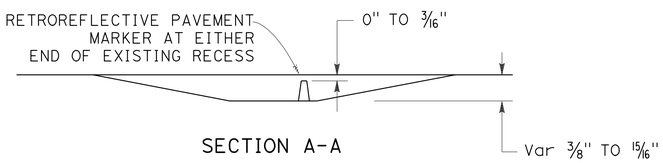
NOTES:

1. EXISTING UTILTIY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
2. NO WORK TO BE PERFORMED WITHIN 50 FEET OF RAILROAD CROSSINGS.
3. ONLY INSTALL PAVEMENT MARKERS ON HMA SURFACES, NO PAVEMENT MARKERS ARE TO BE INSTALLED ON POLYESTER CONCRETE OVERLAYS.
4. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

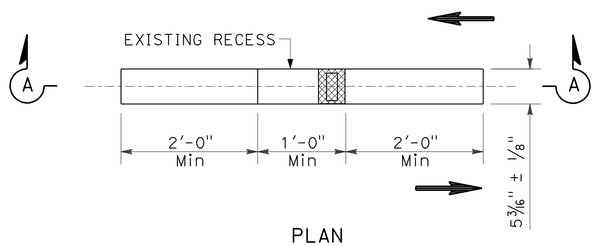
LEGEND

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

DIRECTION OF TRAVEL



SECTION A-A



PLAN

PAVEMENT MARKER (RETROREFLECTIVE-RECESSED) IN EXISTING RECESS DETAIL

PAVEMENT MARKER (RETROREFLECTIVE - RECESSED)

Loc	Co-Rte	PM-PM	TYPE D	TYPE G	TYPE H
			EA	EA	EA
1	Las-36	R26.5/R29.3	536	70	77
2	Las-70	0.0/3.9	1184	144	100
3	Las-395	R76.6/94.0	2630	10	869
4	Las-395	119.0/128.7	1070	0	84
5	Las-395	131.0/133.0	649	0	121
6	Mod-139	27.9/34.0	1147	0	496
7	Mod-299	21.8/33.5	2128	0	688
8	Mod-299	37.5/40.0	481	19	127
9	Sha-299	2.0/2.3	134	0	0
13	Tri-299	53.4/61.0	3115	256	105
SUBTOTAL			13,074	499	2667
TOTAL			16,240		

PAVEMENT MARKER (RETROREFLECTIVE)

Loc	Co-Rte	PM-PM	TYPE D	TYPE G	TYPE H
			EA	EA	EA
10	Teh-36	12.4/17.3	2158	0	0
11	Teh-36	23.1/R32.0	2832	0	409
12	Teh-36	37.7/41.8	3174	341	0
SUBTOTAL			8164	341	409
TOTAL			8914		

EXISTING CENSUS LOOPS (N)

Loc	TMS #	ACTUAL LOCATION CO-RT-PM	TYPE	DESCRIPTION
1	116	LAS-36-PM R28.0	CONTROL	1.4 MILE WEST OF Jct 395 (2 LOOPS)
2	125	LAS-70-PM 3.556	CONTROL	1,761 FEET WEST OF Jct 395 (2 LOOPS)
3	NO CENSUS LOOPS WITHIN THESE LIMITS			
9 & 10	NO CENSUS LOOPS WITHIN THESE LIMITS			
11	274	TEH-36-PM R30.025	CONTROL	132 FEET WEST OF PM R30.0
12	216	TEH-36-PM 39.412	CONTROL	590 FEET EAST OF MCCOY ROAD (2 LOOPS)
13	208	TRI-299-PM 563.87	TREND	415 FEET WEST OF SRRA ENTRANCE (2 LOOPS & 4 PIEZOS)
	P48	TRI-299-PM 58.257	PROFILE	560 FEET WEST OF EB #5-18 (2 LOOPS)

MAINTAIN EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION

Loc	CO-RT-PM	TYPE	DESCRIPTION
2	LAS-70-PM 3.52	CMS	FOR WESTBOUND TRAFFIC ON RIGHT SHOULDER NEAR HALLELUJAH SANDHOUSE
	LAS-70-PM 3.52	HAR FLASHER	FOR EASTBOUND TRAFFIC ON LEFT SHOULDER NEAR HALLELUJAH SANDHOUSE
8	MOD-299-PM 38.69	HAR FLASHER	ONE FOR EACH DIRECTION OF TRAFFIC ON LEFT & RIGHT SHOULDERS NEAR AUCTION YARD

PAVEMENT DELINEATION DETAILS AND QUANTITIES

NO SCALE

PDD-1

REVISED BY | DATE REVISED
SCOTT GREGORY | DENISE FUZERE
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 => 30-NOV-2010 | TIME PLOTTED => 09:38
11-10-10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Las,Mod, Sha,Teh, Tri	36,70,139, 299,395	Var	3	5

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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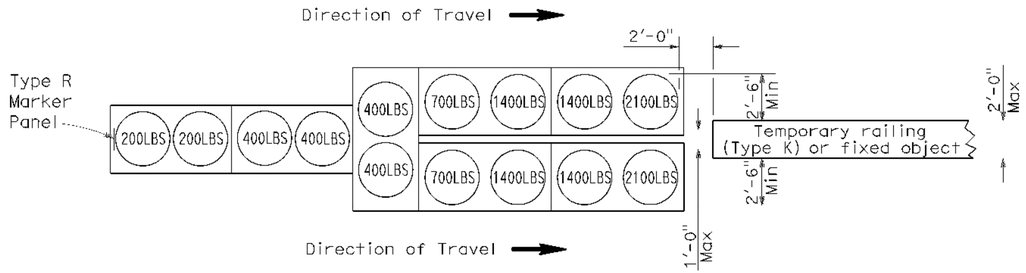
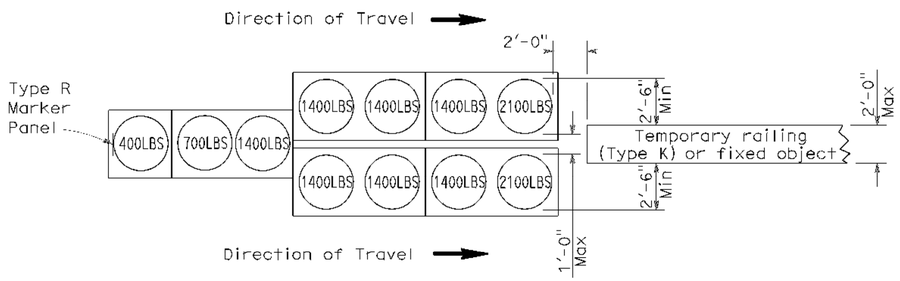
To accompany plans dated 11-30-10



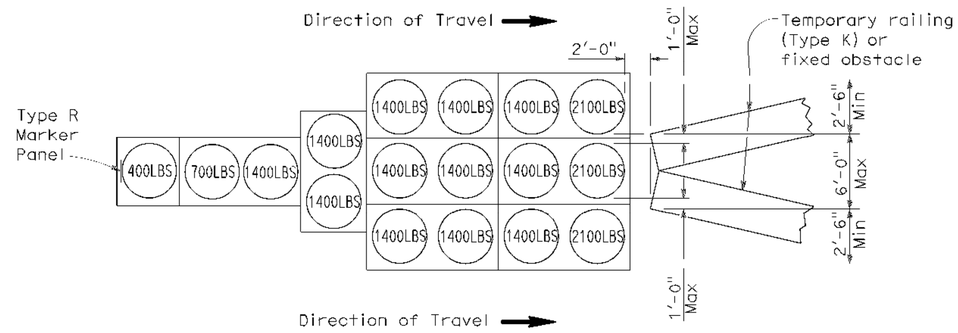
ARRAY 'TU14'

Approach speed 45 mph or more



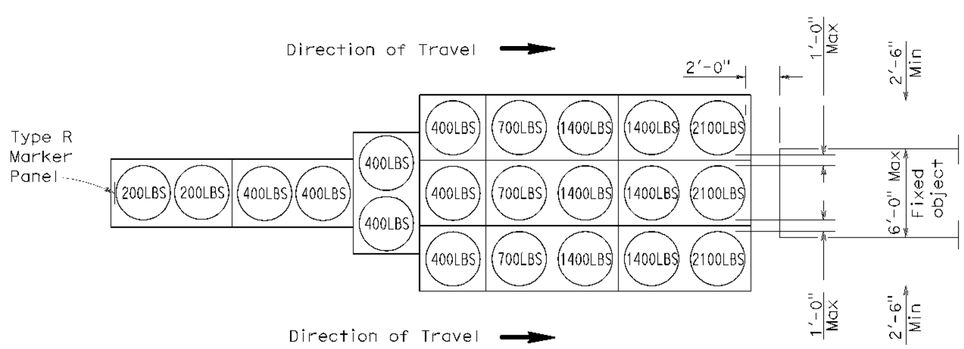
ARRAY 'TU11'

Approach speed less than 45 mph



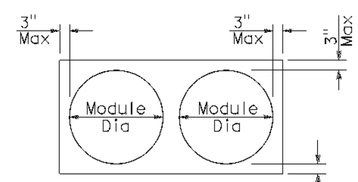
ARRAY 'TU17'

Approach speed less than 45 mph

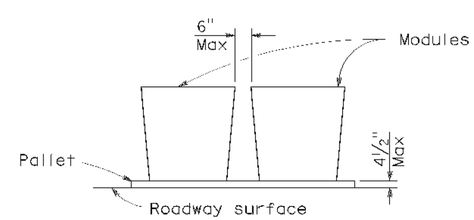


ARRAY 'TU21'

Approach speed 45 mph or more



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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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Las,Mod, Sha,Teh, Tri	36,70,139, 299,395	Var	4	5

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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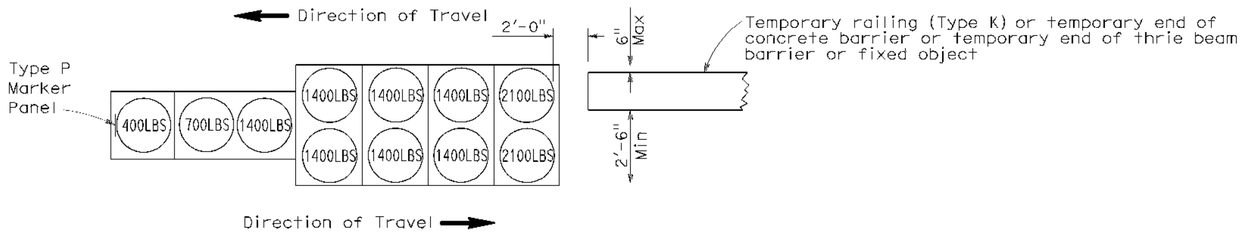
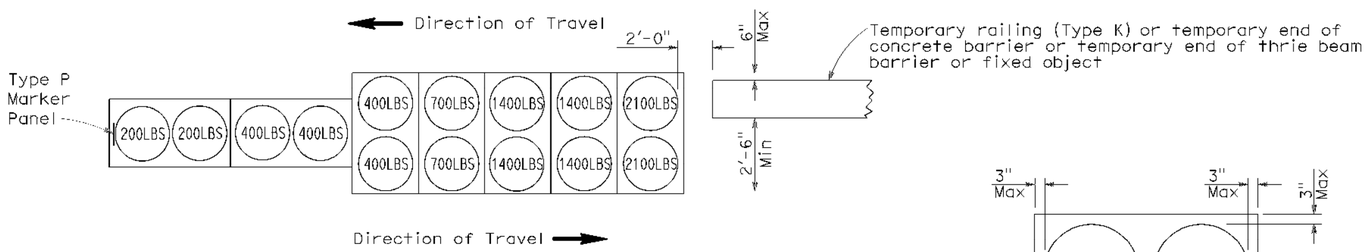
To accompany plans dated 11-30-10



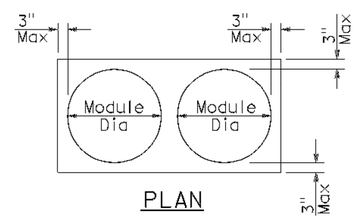
ARRAY 'TB11'

Approach speed less than 45 mph

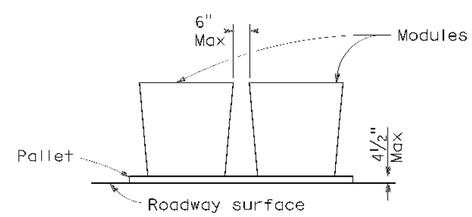


ARRAY 'TB14'

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

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Las,Mod, Sha,Teh, Tri	36,70,139, 299,395	Var	5	5

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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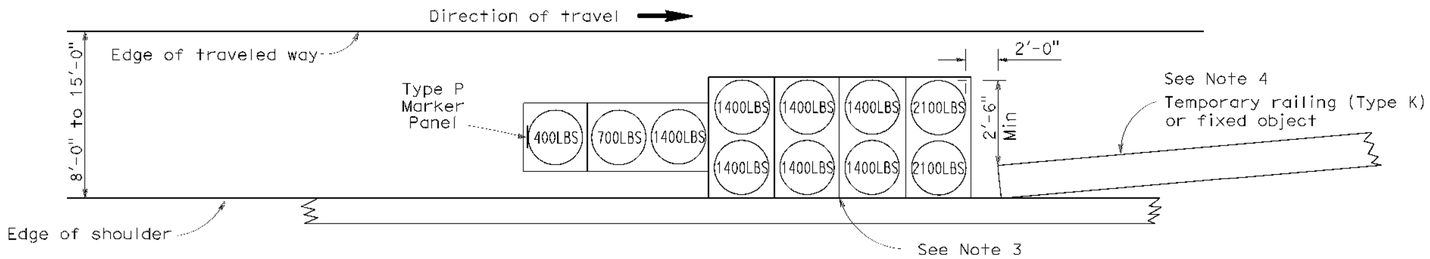
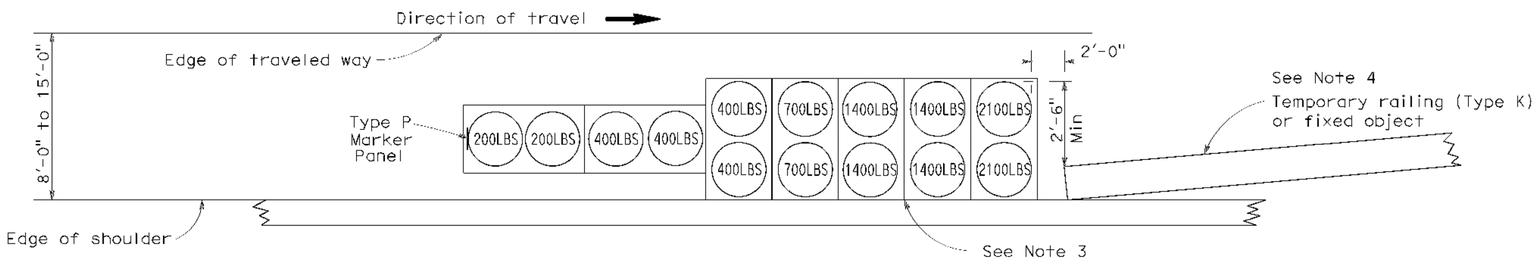
To accompany plans dated 11-30-10



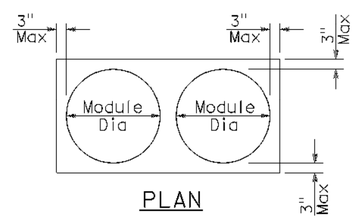
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

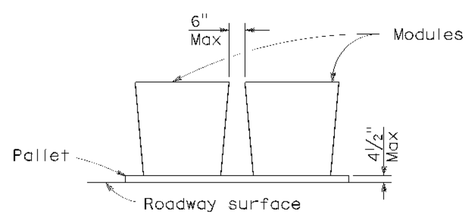


ARRAY 'TS14'

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

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