INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3	CONSTRUCTION AREA SIGNS
4	PAVEMENT DELINEATION DETAILS
5	SUMMARY OF QUANTITIES
6-9	REVISED AND NEW 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

ACHSSTP-P166(029)E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	166	42.5/48.9	1	9

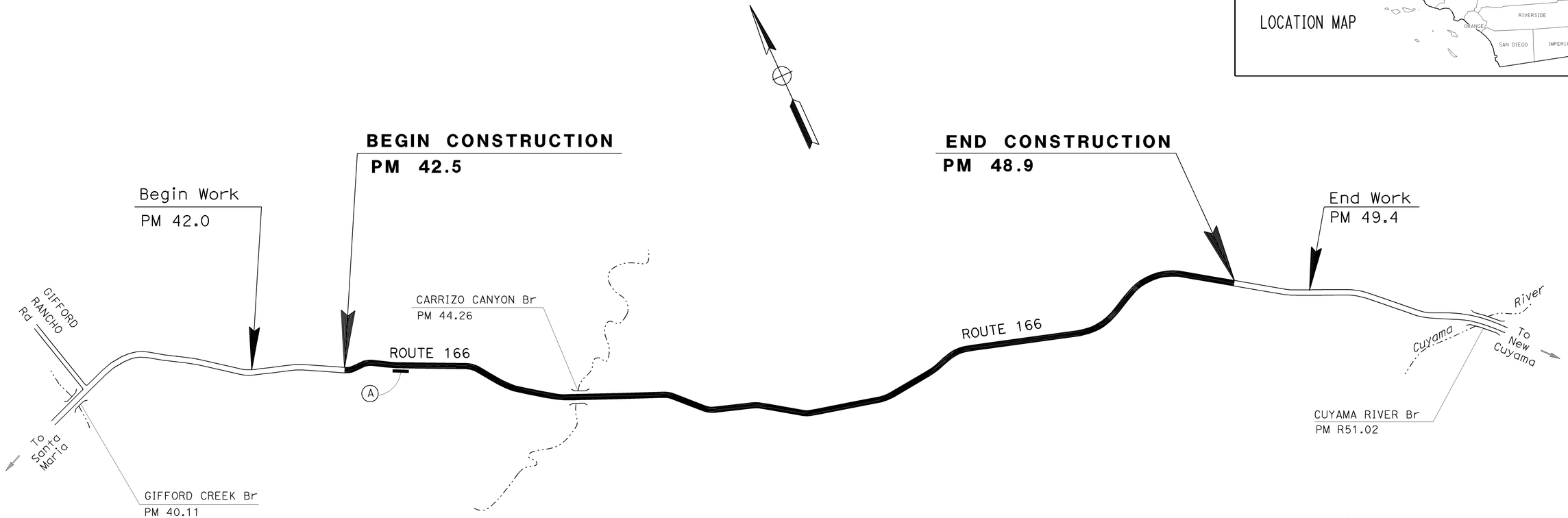
PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN SAN LUIS OBISPO COUNTY NEAR NEW CUYAMA FROM 2.4 MILES EAST OF GIFFORD CREEK BRIDGE TO 2.1 MILES WEST OF CUYAMA RIVER BRIDGE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

LOCATION MAP



NO SCALE

STAGING AREA

LOCATION (X)	POST MILES
A	42.9 TO 43.1

8-22-11
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER
DATE

REGISTERED PROFESSIONAL ENGINEER
S. LOZON
No. 43136
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA

August 22, 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.

PROJECT MANAGER: AMY DONATELLO
DESIGN ENGINEER: STEVE WYATT

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

CONTRACT No.	05-0T0204
PROJECT ID	0500000473

DATE PLOTTED => 28-NOV-2011
TIME PLOTTED => 15:21
LAST REVISION 08-22-11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	166	42.5/48.9	2	9

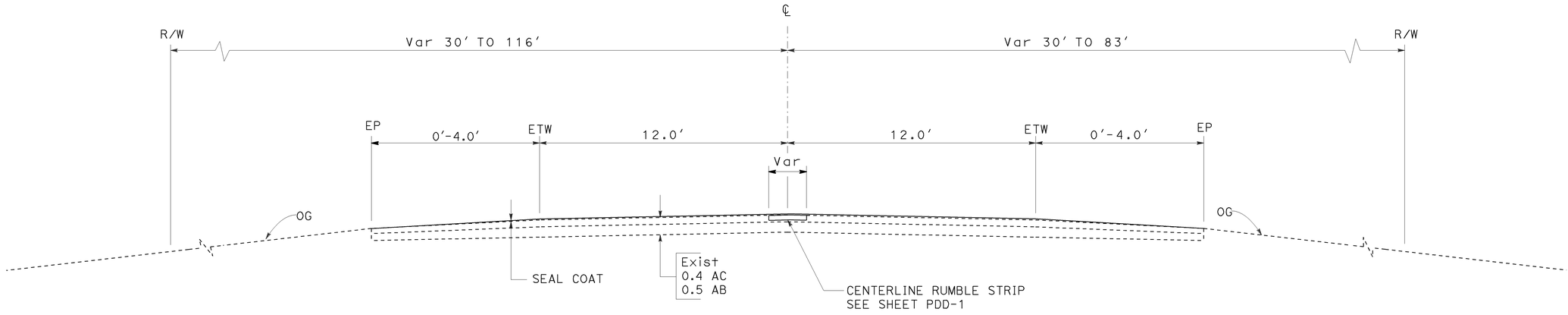
REGISTERED CIVIL ENGINEER — 8-22-11 DATE

8-22-11
PLANS APPROVAL DATE

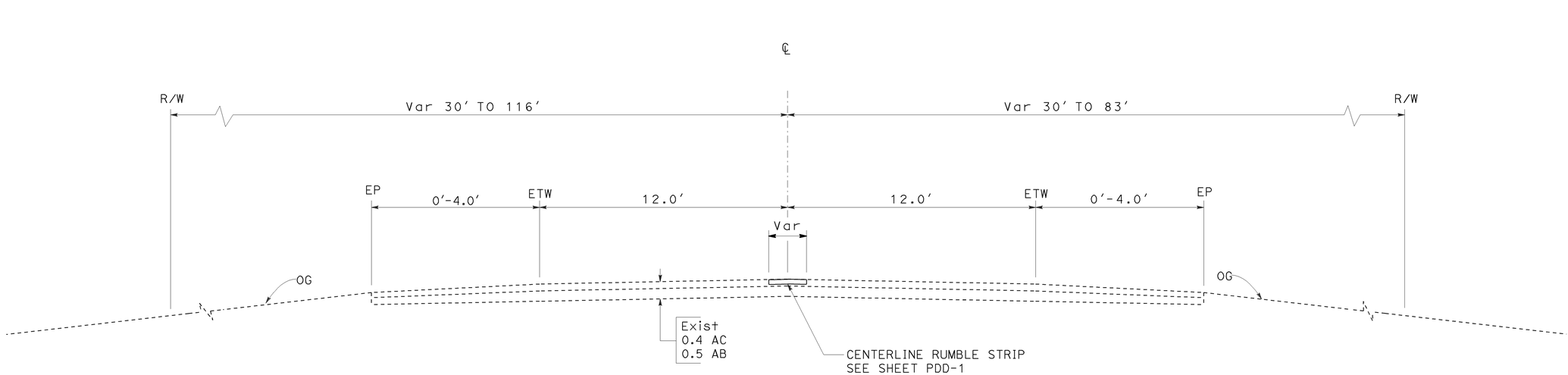
S. LOZON No. 43136 Exp. 3-31-12 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

NOTES:
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. SEE SHEET PDD-1 FOR STRIPING DETAILS.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



PM 43.7 / 44.8
PM 45.0 / 46.5



PM 42.5 / 43.7
PM 44.8 / 45.0
PM 46.5 / 48.9

ROUTE 166

TYPICAL CROSS SECTIONS

NO SCALE

X-1

REVISED BY | DATE REVISED
SUSAN LOZON | MIKE O'NEAL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: STEVE WYATT
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION 08-22-11 | DATE PLOTTED => 28-NOV-2011 | TIME PLOTTED => 15:21

BORDER LAST REVISED 7/2/2010 | USERNAME => s118989 | DGN FILE => 0500000473ca001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1450 | PROJECT NUMBER & PHASE 05000004731

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	166	42.5/48.9	3	9

8-22-11
REGISTERED CIVIL ENGINEER DATE

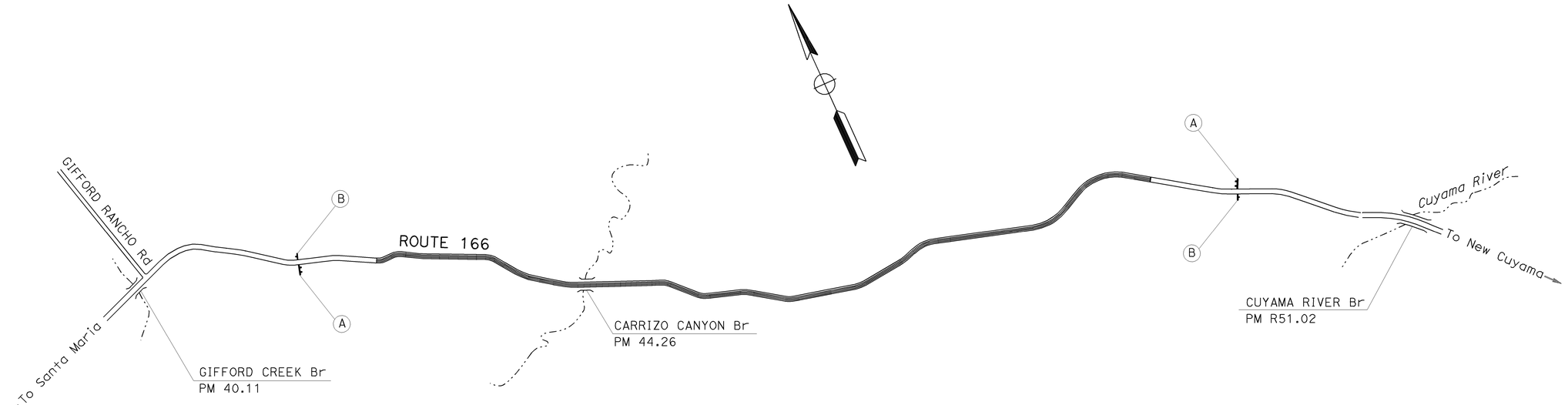
8-22-11
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
S. LOZON
No. 43136
Exp. 3-31-12
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.

NOTE:

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



CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

SIGN No. (X)	SIGN CODE	PANEL SIZE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS	SIGN MESSAGE
A	G20-1	60" x 36"	2 - 4" x 4"	2	ROAD WORK NEXT 7 MILES
B	G20-2	36" x 18"	1 - 4" x 4"	2	END ROAD WORK

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE **CS-1**

CALCULATED-DESIGNED BY
CHECKED BY
SUSAN LOZON
MIKE O'NEAL
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
STEVE WYATT
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION DATE PLOTTED => 28-NOV-2011
TIME PLOTTED => 15:21
08-22-11

BORDER LAST REVISED 7/2/2010
USERNAME => s118989
DGN FILE => 05000004731a001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1450
PROJECT NUMBER & PHASE 05000004731

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	166	42.5/48.9	4	9

8-22-11
REGISTERED CIVIL ENGINEER DATE

8-22-11
PLANS APPROVAL DATE

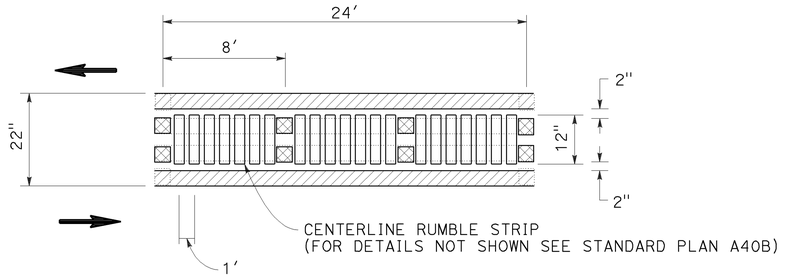
REGISTERED PROFESSIONAL ENGINEER
S. LOZON
No. 43136
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA

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.

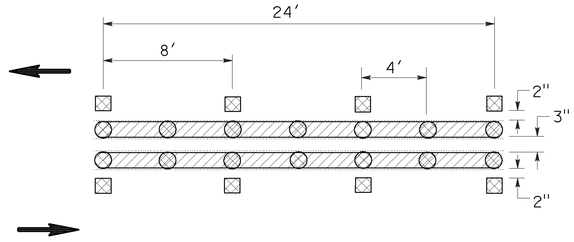
NOTE: LOCATIONS OF DETAILS ARE SHOWN IN THE SUMMARY OF QUANTITIES SHEETS.

LEGEND:

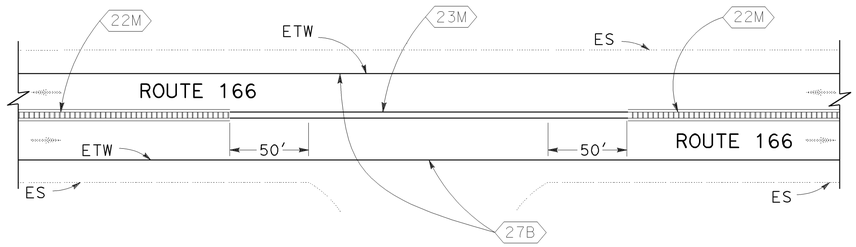
- TYPE AY YELLOW NON-REFLECTIVE
- TYPE D TWO-WAY YELLOW RETROFLECTIVE
- EXISTING RETROREFLECTIVE MARKER (TO BE REMOVED)
- 4" YELLOW THERMOPLASTIC TRAFFIC STRIPE
- EXISTING STRIPING (TO BE REMOVED)
- DIRECTION OF TRAVEL
- XXX TRAFFIC LINE DETAIL NUMBER



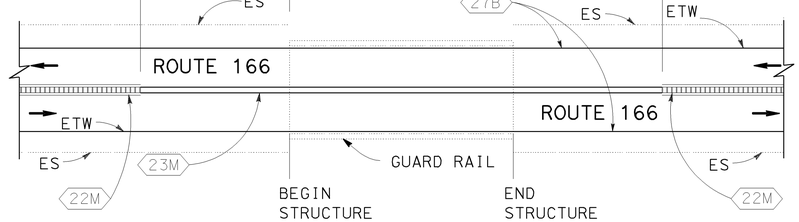
DETAIL 22 MODIFIED



DETAIL 23 MODIFIED



RUMBLE STRIP AT DRIVEWAY/ FARM ACCESS ROAD (Typ)



PAVEMENT DELINEATION AT PM 44.26, 46.29, 46.86, 48.07

PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-1

REVISED BY | DATE REVISED
SUSAN LOZON | MIKE O'NEAL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: STEVE WYATT
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION 08-22-11 | DATE PLOTTED => 28-NOV-2011 | TIME PLOTTED => 15:21

BORDER LAST REVISED 7/2/2010 | USERNAME => s118989 | DGN FILE => 0500000473nb001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1450 | PROJECT NUMBER & PHASE 05000004731

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	166	42.5/48.9	5	9

REGISTERED CIVIL ENGINEER 8-22-11 DATE

PLANS APPROVAL DATE 8-22-11

REGISTERED PROFESSIONAL ENGINEER — S. LOZON No. 43136 Exp. 3-31-12 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.

PAVEMENT DELINEATION

LOCATION	LENGTH	EXISTING DETAIL NUMBER	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE PAVEMENT MARKER (N)	CENTERLINE RUMBLE STRIP	DETAIL NUMBER	4" THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (NON-REFLECTIVE)	PAVEMENT MARKER (RETROREFLECTIVE)
								YELLOW	WHITE	TYPE AY	TYPE D
PM	LF		LF	LF	EA	STA		LF	LF	EA	EA
42.45 TO 42.54	475	22	950		40		23 Mod	950		238	119
42.54 TO 42.93	2059	22	4118		172	20.59	22 Mod	4118			515
42.93 TO 43.17	1267	19	1584		79	12.67	22 Mod	2534			318
43.17 TO 43.20	158	19	198		10		23 Mod	316		79	40
43.20 TO 43.38	950	19	1188		59	9.50	22 Mod	1900			238
43.38 TO 43.61	1214	19	1518		76	12.14	22 Mod	2428			304
43.61 TO 43.80	1003	19/27B	1254	2006	63	10.03	22 Mod/27B	2006	2006		251
43.80 TO 44.13	1742	22/27B	3484	3484	145	17.42	22 Mod/27B	3484	3484		436
44.13 TO 44.21	422	19/27B	528	844	26	4.22	22 Mod/27B	844	844		106
44.21 TO 44.30	475	19/27B	594	950	30		22 Mod/27B	950	950	238	119
44.30 TO 44.34	211	19/27B	264	422	13	2.11	22 Mod/27B	422	422		53
44.34 TO 44.35	53	6/27B	13	106	1	0.53	22 Mod/27B	106	106		14
44.35 TO 44.38	158	6/27B	40	316	3		22 Mod/27B	316	316	79	40
44.38 TO 44.59	1109	6/27B	277	2218	23	11.09	22 Mod/27B	2218	2218		278
44.59 TO 44.62	158	6/27B	40	316	3		22 Mod/27B	316	316	79	40
44.62 TO 44.65	158	6/27B	40	316	3	1.58	22 Mod/27B	316	316		40
44.65 TO 44.77	634	19/27B	793	1268	40	6.34	22 Mod/27B	1268	1268		159
44.77 TO 44.90	686	19	858		43	6.86	22 Mod	1372			172
44.90 TO 44.94	211	22	422		18		23 Mod	422		106	53
44.94 TO 45.60	3485	22/27B	6970	6970	290	34.85	22 Mod/27B	6970	6970		872
45.60 TO 45.64	211	22/27B	422	422	18		22 Mod/27B	422	422	106	53
45.64 TO 46.26	3274	22/27B	6548	6548	273	32.74	22 Mod/27B	6548	6548		819
46.26 TO 46.34	422	22/27B	844	844	35		22 Mod/27B	844	844	211	106
46.34 TO 46.80	2429	22/27B	4858	4858	202	24.29	22 Mod/27B	4858	4858		608
46.80 TO 46.90	528	22/27B	1056	1056	44		22 Mod/27B	1056	1056	264	132
46.90 TO 47.02	634	22/27B	1268	1268	53	6.34	22 Mod/27B	1268	1268		159
47.02 TO 47.13	581	19/27B	726	1162	36	5.81	22 Mod/27B	1162	1162		146
47.13 TO 47.21	422	6/27B	106	844	9	4.22	22 Mod/27B	844	844		106
47.21 TO 47.40	1003	19/27B	1254	2006	63	10.03	22 Mod/27B	2006	2006		251
47.40 TO 47.60	1056	19/27B	1320	2112	66	10.56	22 Mod/27B	2112	2112		264
47.60 TO 47.82	1162	19/27B	1453	2324	73	11.62	22 Mod/27B	2324	2324		291
47.82 TO 47.93	581	22/27B	1162	1162	48		22 Mod/27B	1162	1162	291	146
47.93 TO 47.96	158	22/27B	316	316	13		22 Mod/27B	316	316	79	40
47.96 TO 48.02	317	22/27B	634	634	26	3.17	22 Mod/27B	634	634		80
48.02 TO 48.11	475	22/27B	950	950	40		22 Mod/27B	950	950	238	119
48.11 TO 48.86	3960	22/27B	7920	7920	330	39.60	22 Mod/27B	7920	7920		990
SUBTOTAL								67,682	53,642		
TOTAL			55,970	53,642		298.31		121,324		2008	8477

(N) NOT A PAY ITEM, FOR INFORMATION ONLY

SEAL COAT

LOCATION	SEAL COAT		FLUSH COAT	
	ASPHALTIC EMULSION (POLYMER MODIFIED)	SCREENINGS (MEDIUM)	ASPHALTIC EMULSION (FOG SEAL COAT)	SAND COVER
PM	TON	TON	TON	TON
PM 43.66 TO 44.77	33	293	5	39
PM 44.97 TO 46.50	46	404	7	54
TOTAL	79	697	12	93

SUMMARY OF QUANTITIES
Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN

FUNCTIONAL SUPERVISOR: STEVE WYATT

CALCULATED-DESIGNED BY: SUSAN LOZON

CHECKED BY: MIKE O'NEAL

REVISED BY / DATE REVISED

LAST REVISION 08-22-11 | DATE PLOTTED => 28-NOV-2011 | TIME PLOTTED => 15:21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	166	42.5/48.9	6	9

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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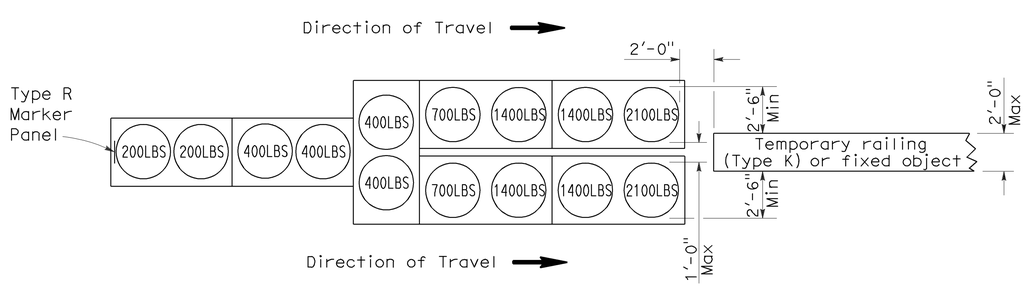
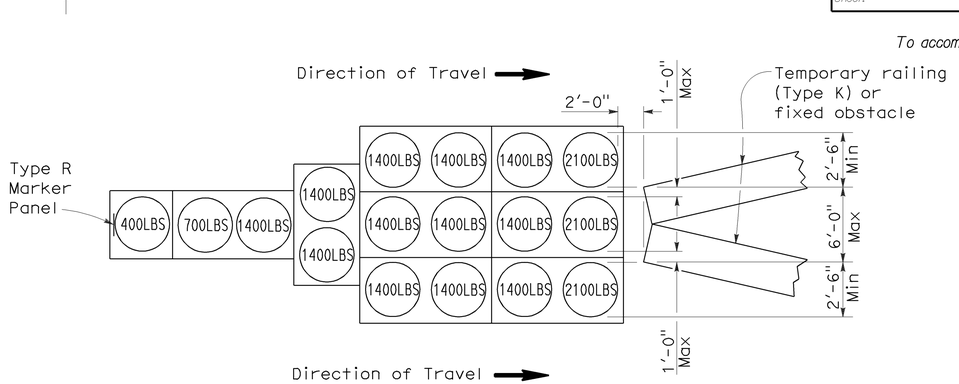
To accompany plans dated 8-22-11



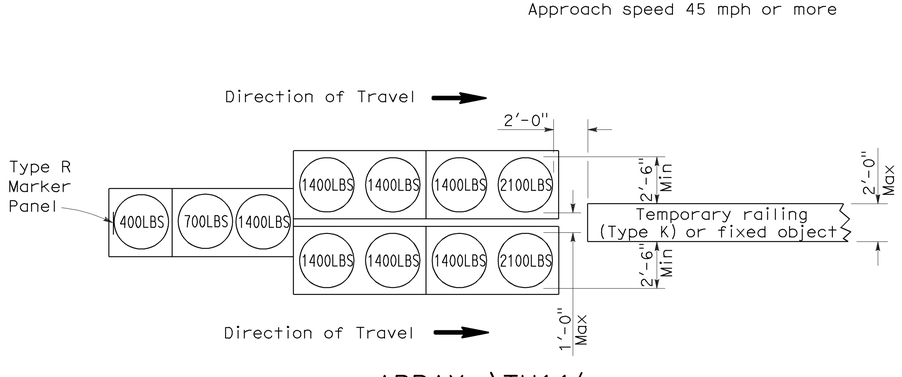
ARRAY 'TU14'

Approach speed 45 mph or more



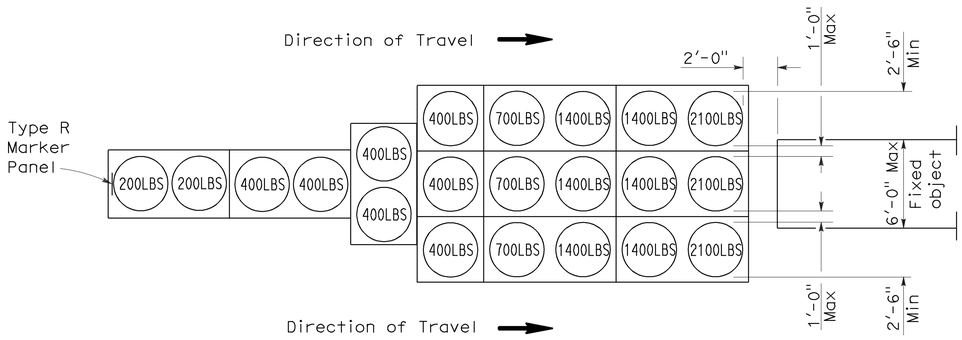
ARRAY 'TU17'

Approach speed less than 45 mph



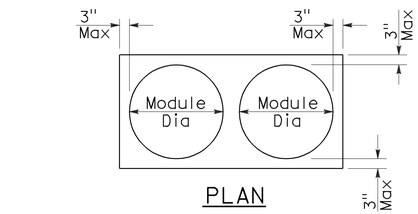
ARRAY 'TU11'

Approach speed less than 45 mph

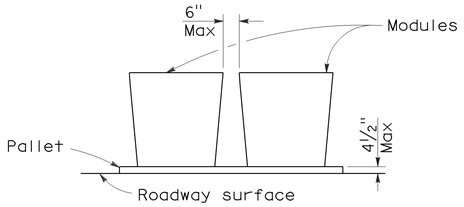


ARRAY 'TU21'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	166	42.5/48.9	7	9

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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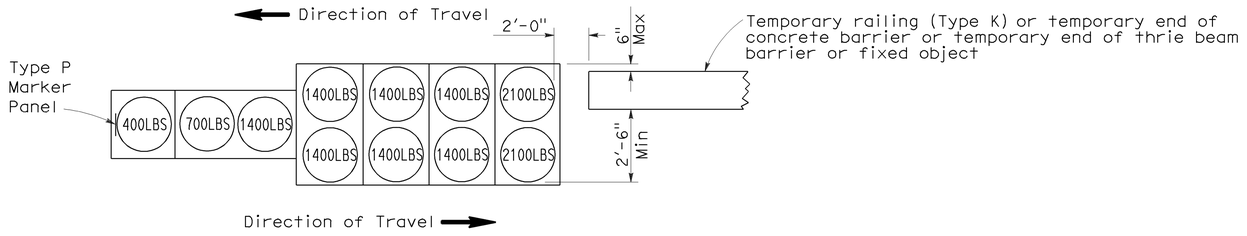
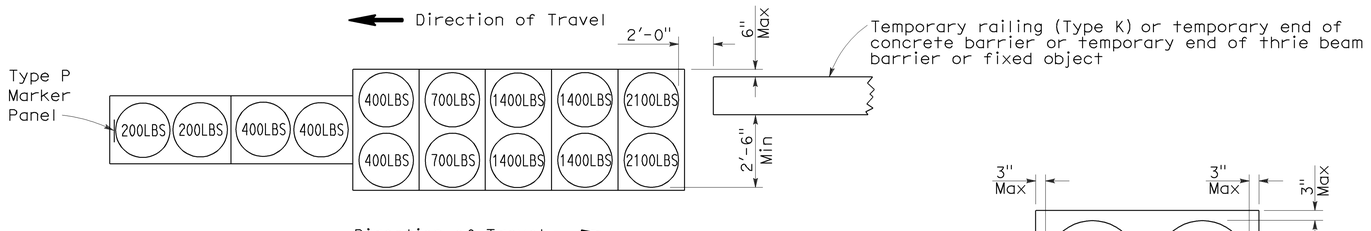
To accompany plans dated 8-22-11



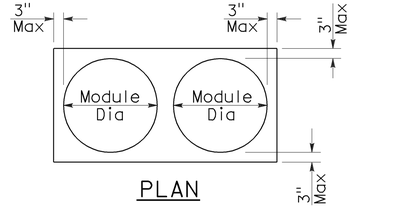
ARRAY 'TB11'

Approach speed less than 45 mph

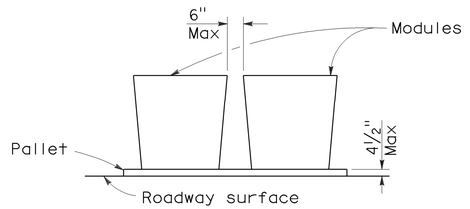


ARRAY 'TB14'

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
05	SLO	166	42.5/48.9	8	9

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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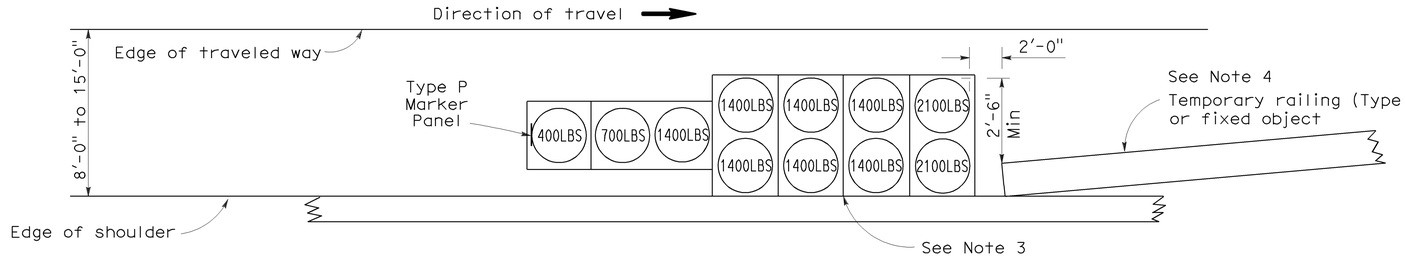
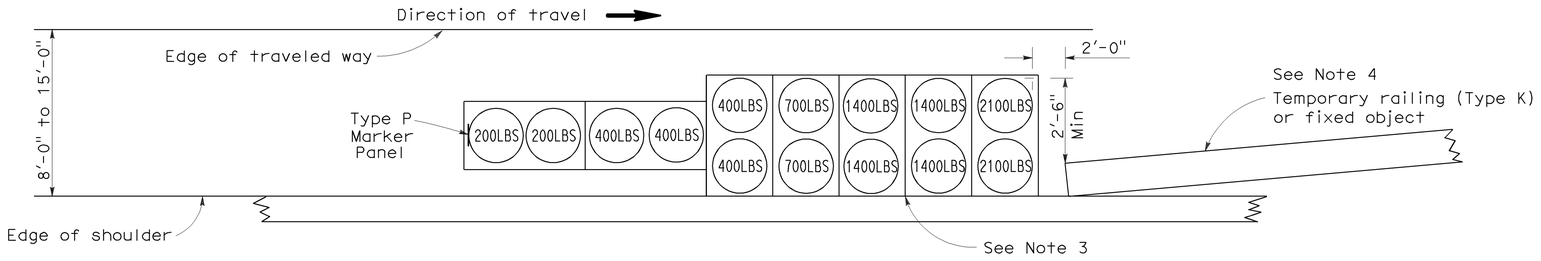
To accompany plans dated 8-22-11



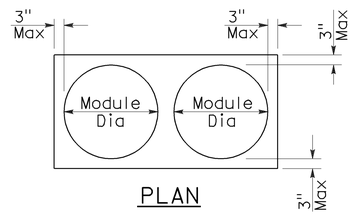
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

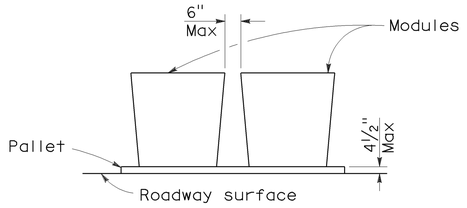


ARRAY 'TS14'

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

5-15-08

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	166	42.5/48.9	9	9

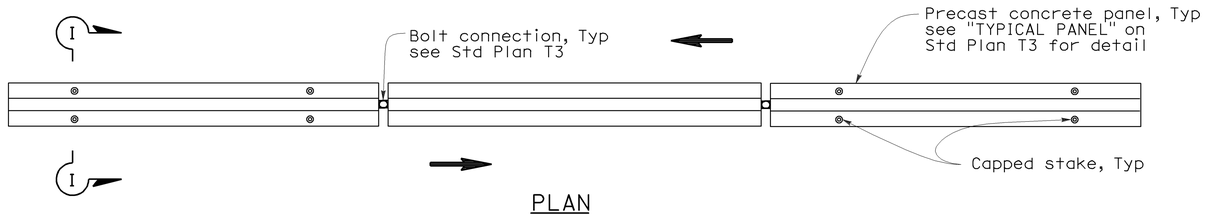
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

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

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.

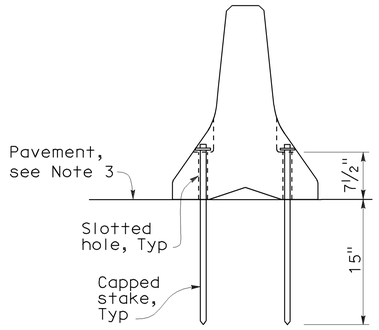
To accompany plans dated 8-22-11



PLAN

RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

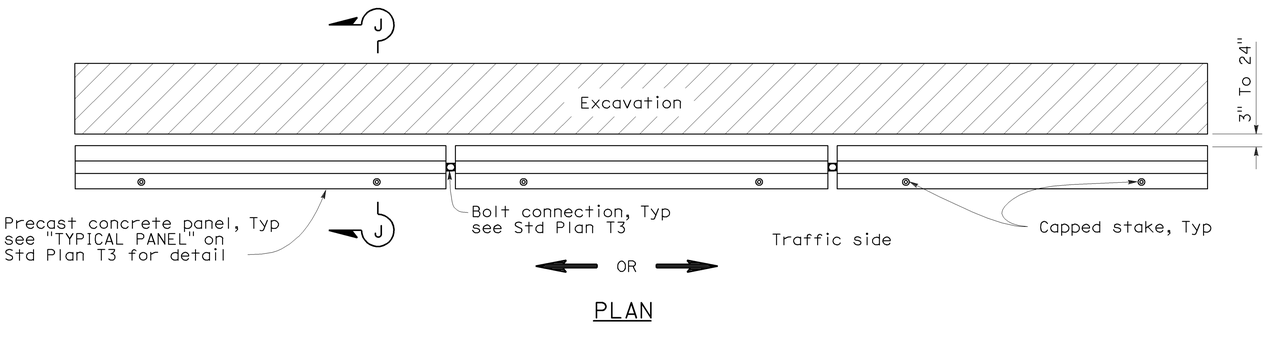
See Note 1



SECTION I-I

NOTES:

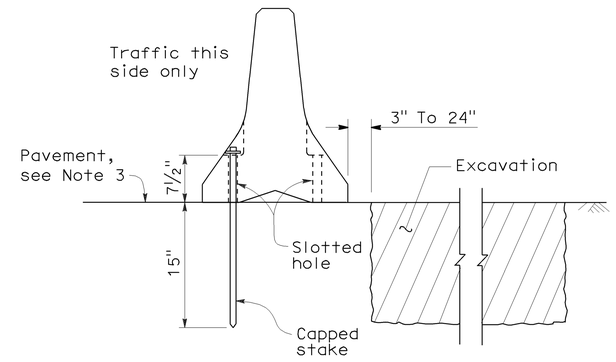
1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of 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 ⟹.



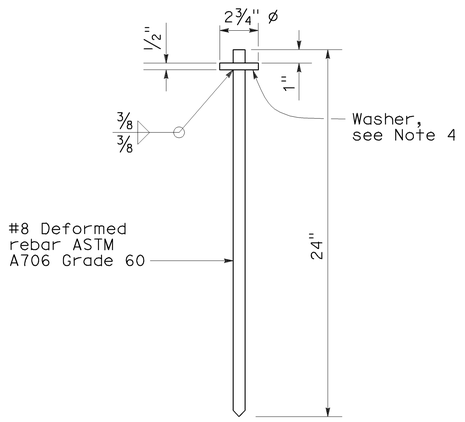
PLAN

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

8-31-10