Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	166	R25.5/R31.7	1	9

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3	CONSTRUCTION AREA SIGNS
4-6	PAVEMENT DELINEATION DETAILS AND QUANTITIES
7-9	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

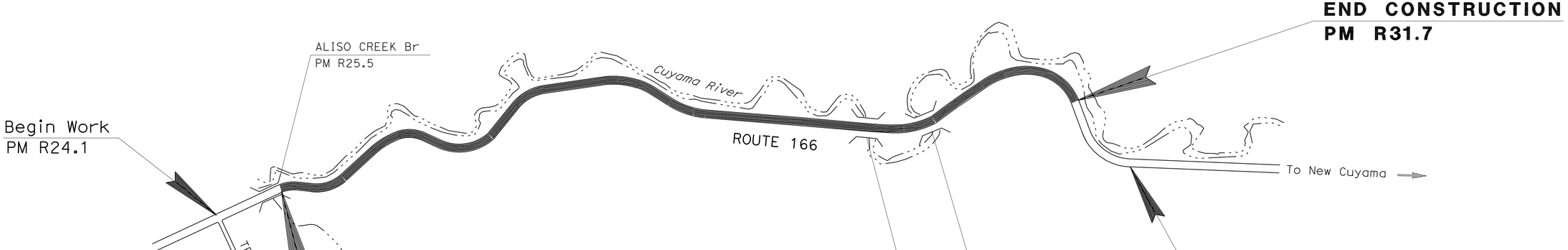
PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN SANTA BARBARA COUNTY
FROM ALISO CREEK BRIDGE
TO 1 MILE EAST OF CUYAMA RIVER BRIDGE

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."

PROJECT MANAGER: AMY DONATELLO

DESIGN ENGINEER: STEVE M. WYATT

5-3-10
PROJECT ENGINEER REGISTERED CIVIL ENGINEER — DATE

REGISTERED PROFESSIONAL ENGINEER — S.M. WYATT — No. 46362 — Exp. 12-31-10 — CIVIL — STATE OF CALIFORNIA

May 24, 2010
PLANS APPROVAL DATE

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

CONTRACT No.	05-0S4404
PROJECT ID	0500000431

LAST REVISION 05-03-10

DATE PLOTTED => 30-JUL-2010
TIME PLOTTED => 13:14

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	166	R25.5/R31.7	2	9

REGISTERED CIVIL ENGINEER 5-03-10 DATE

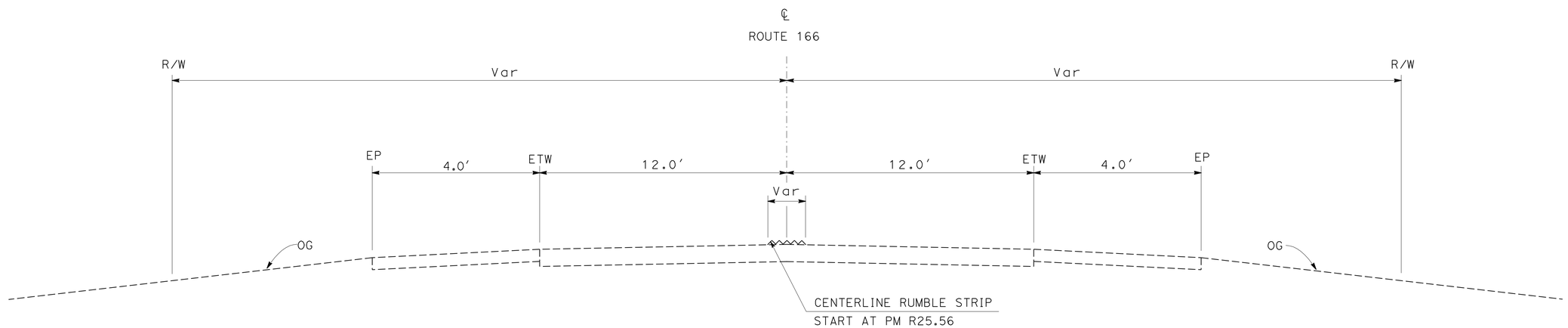
5-24-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER S.M.WYATT No. 46362 Exp.12-31-10 CIVIL STATE OF CALIFORNIA

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

NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. EXACT LOCATIONS OF RUMBLE STRIPS ARE SHOWN IN THE PAVEMENT DELINEATION QUANTITIES SHEETS.
3. SEE PDD SHEETS FOR PAVEMENT DELINEATION DETAILS.
4. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



ROUTE 166

SB PM R25.5 TO R31.7

TYPICAL CROSS SECTIONS

NO SCALE

X-1

REVISED BY | DATE REVISED

KEVIN MURDOCK | MICHAEL O'NEAL

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: S. M. WYATT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® PROJECT DEVELOPMENT

LAST REVISION 05-03-10 | DATE PLOTTED => 26-MAY-2010 | TIME PLOTTED => 12:06

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	166	R25.5/R31.7	3	9

REGISTERED CIVIL ENGINEER 5-3-10 DATE

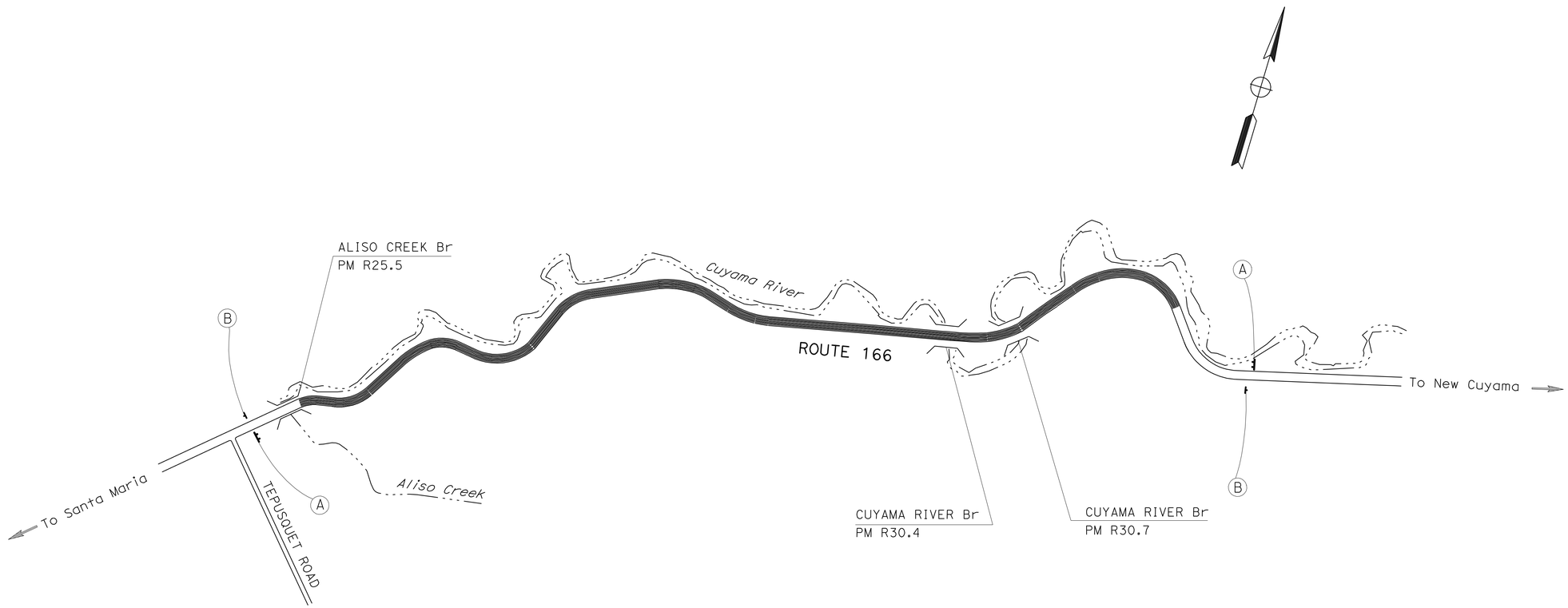
5-24-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER S.M.WYATT No. 46362 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

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

NOTE:

LOCATIONS OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE.
EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. (X)	SIGN CODE FEDERAL	SIGN CODE CALIFORNIA	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 12 MILES"
B	G20-2		36" x 18"	1 - 4" x 4"	2	"END ROAD WORK"

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PROJECT DEVELOPMENT

FUNCTIONAL SUPERVISOR: S. M. WYATT
CALCULATED-DESIGNED BY: KEVIN MURDOCK
CHECKED BY: MICHAEL O'NEAL
REVISED BY
DATE REVISED

LAST REVISION 05-03-10 | DATE PLOTTED => 26-MAY-2010 | TIME PLOTTED => 12:06

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	166	R25.5/R31.7	4	9

REGISTERED CIVIL ENGINEER 5-3-10 DATE

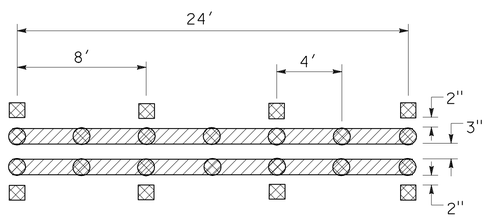
5-24-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER S.M.WYATT No. 46362 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

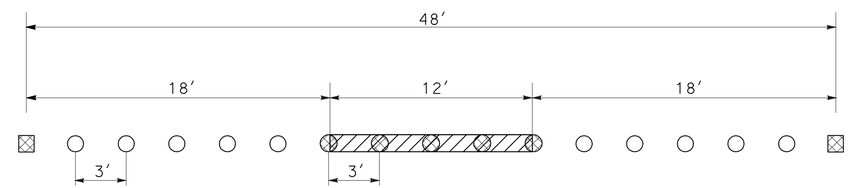
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND:

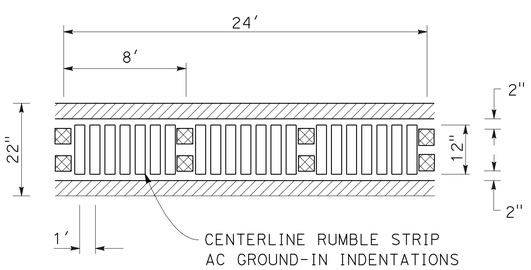
- TYPE AY YELLOW NON-REFLECTIVE MARKER
- TYPE D TWO-WAY YELLOW RETROFLECTIVE MARKER
- TYPE H ONE-WAY YELLOW RETROFLECTIVE
- TYPE AB BLACK NON-RETROFLECTIVE
- 4" YELLOW THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)
- PLACE THERMOPLASTIC TRAFFIC STRIPE
- RUMBLE STRIP
- M MODIFIED



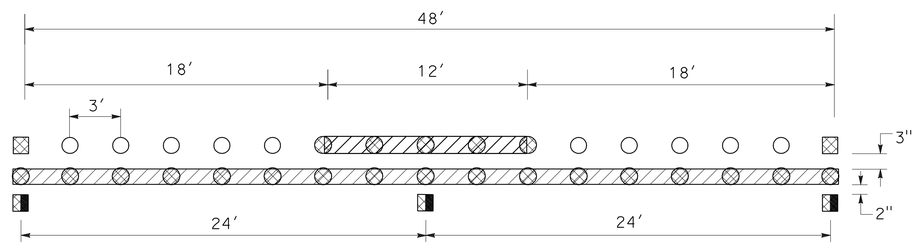
DETAIL 23 MODIFIED



DETAIL 6 MODIFIED



DETAIL 22 MODIFIED



DETAIL 19 MODIFIED

PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® PROJECT DEVELOPMENT

FUNCTIONAL SUPERVISOR: S. M. WYATT
CALCULATED-DESIGNED BY: KEVIN MURDOCK
CHECKED BY: MICHAEL O'NEAL
REVISED BY
DATE REVISED

LAST REVISION 05-03-10
DATE PLOTTED => 26-MAY-2010
TIME PLOTTED => 12:06

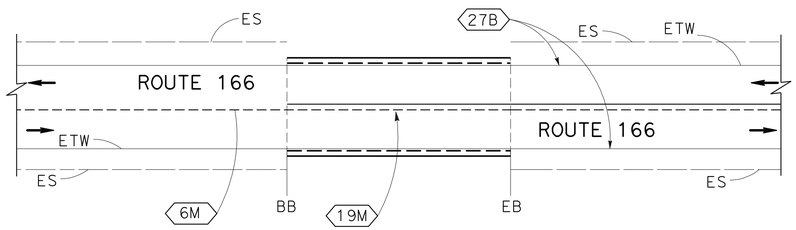
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	166	R25.5/R31.7	5	9

REGISTERED CIVIL ENGINEER 5-03-10 DATE

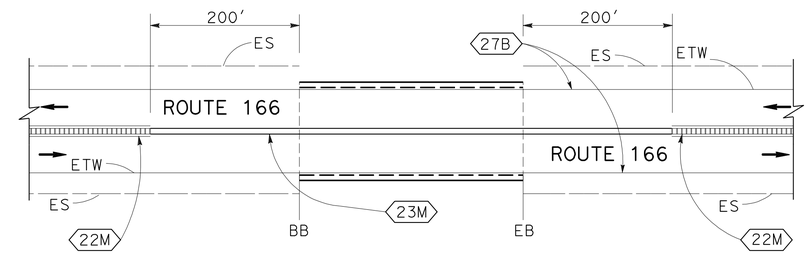
5-24-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
S.M.WYATT
No. 46362
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

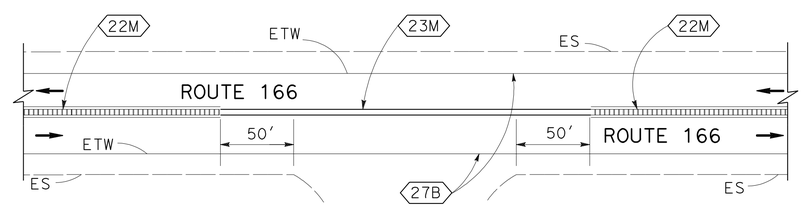
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



STRIPING AT CUYAMA RIVER BRIDGE PM 30.4



RUMBLE STRIP AT CUYAMA RIVER BRIDGE PM 30.7



RUMBLE STRIP AT DRIVEWAY/ FARM ACCESS ROAD (Typ)

PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® PROJECT DEVELOPMENT

FUNCTIONAL SUPERVISOR: S. M. WYATT
CALCULATED-DESIGNED BY: KEVIN MURDOCK
CHECKED BY: MICHAEL O'NEAL
REVISED BY
DATE REVISED

LAST REVISION 05-03-10
DATE PLOTTED => 26-MAY-2010
TIME PLOTTED => 12:06

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	166	R25.5/R31.7	6	9

REGISTERED CIVIL ENGINEER 5-03-10 DATE

5-24-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER S.M.WYATT No. 46362 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

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

PAVEMENT DELINEATION QUANTITIES

LOCATION	(N) LENGTH	EXISTING DETAIL No.		REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE PAVEMENT MARKER	CENTERLINE RUMBLE STRIP	4" THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER (NON-REFLECTIVE)		PAVEMENT MARKER (RETROREFLECTIVE)	
								YELLOW		DETAIL 27B	TYPE AY	TYPE AB	TYPE D	TYPE H
PM	LF			LF	LF	EA	Sta	DETAIL	LF	LF	EA	EA	EA	EA
R25.52 TO R25.56	211	22	27B	422	422	18		23M	422	422	106		53	
R25.56 TO R25.93	1954	22	27B	3908	3908	163	19.54	22M	3908	3908			489	
R25.93 TO R25.96	158	22	27B	316	316	13		23M	316	316	79		40	
R25.96 TO R26.41	2376	22	27B	4752	4752	198	23.76	22M	4752	4752			594	
R26.41 TO R26.61	1056	19	27B	1320	2112	66	10.56	22M	2112	2112			264	
R26.61 TO R26.67	317	6	27B	79	634	7	3.17	22M	634	634			80	
R26.67 TO R26.85	950	19	27B	1188	1900	59	9.50	22M	1900	1900			238	
R26.85 TO R28.26	7445	22	27B	14,890	14,890	620	74.45	22M	14,890	14,890			1862	
R28.26 TO R28.29	158	22	27B	316	316	13		23M	316	316	79		40	
R28.29 TO R28.66	1954	22	27B	3908	3908	163	19.54	22M	3908	3908			489	
R28.66 TO R28.87	1109	19	27B	1386	2218	69	11.09	22M	2218	2218			278	
R28.87 TO R28.98	581	19	27B	726	1162	36	5.81	22M	1162	1162			146	
R28.98 TO R29.01	158	19	27B	198	316	10		23M	316	316	79		40	
R29.01 TO R29.07	317	19	27B	396	634	20	3.17	22M	634	634			80	
R29.07 TO R29.18	581	22	27B	1162	1162	48	5.81	22M	1162	1162			146	
R29.18 TO R29.38	1056	19	27B	1320	2112	66	10.56	22M	2112	2112			264	
R29.38 TO R29.45	370	6	27B	93	740	8	3.70	22M	740	740			93	
R29.45 TO R29.56	581	19	27B	726	1162	36	5.81	22M	1162	1162			146	
R29.56 TO R29.58	106	19	27B	133	212	7		23M	212	212	53		27	
R29.58 TO R29.66	422	19	27B	528	844	26	4.22	22M	844	844			106	
R29.66 TO R29.74	422	22	27B	844	844	35	4.22	22M	844	844			106	
R29.74 TO R30.00	1373	19	27B	1716	2746	86		19M	2746	2746	1202	573	58	115
R30.00 TO R30.36	1901	6	27B	475	3802	40		6M	1901	3802	199	397	40	
R30.36 TO R30.41	264	6	27B	66	528	6		19M	528	528	231	110	11	22
R30.41 TO R30.58	898	19	27B	1123	1796	56		19M	1796	1796	786	375	38	75
R30.58 TO R30.64	317	22	27B	634	634	26	3.17	22M	634	634			80	
R30.64 TO R30.72	422	22	27B	844	844	35		23M	844	844	211		106	
R30.72 TO R30.79	370	19	27B	463	740	23		23M	740	740	185		93	
R30.79 TO R30.92	686	19	27B	858	1372	43	6.86	22M	1372	1372			172	
R30.92 TO R31.09	898	19	27B	1123	1796	56	8.98	22M	1796	1796			225	
R31.09 TO R31.11	106	19	27B	133	212	7		23M	212	212	53		27	
R31.11 TO R31.13	106	19	27B	133	212	7	1.06	22M	212	212			27	
R31.13 TO R31.65	2746	22	27B	5492	5492	229	27.46	22M	5492	5492			687	
									62,837	64,738	3263	1455	7145	212
			TOTAL	51,671	64,738	2295	262.44		127,575		4718		7357	

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

PAVEMENT DELINEATION QUANTITIES
PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® PROJECT DEVELOPMENT

FUNCTIONAL SUPERVISOR: S. M. WYATT
CALCULATED-DESIGNED BY: KEVIN MURDOCK
CHECKED BY: MICHAEL O'NEAL
REVISED BY
DATE REVISED

LAST REVISION 05-03-10 | DATE PLOTTED => 26-MAY-2010 | TIME PLOTTED => 12:06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	166	R25.5/R31.7	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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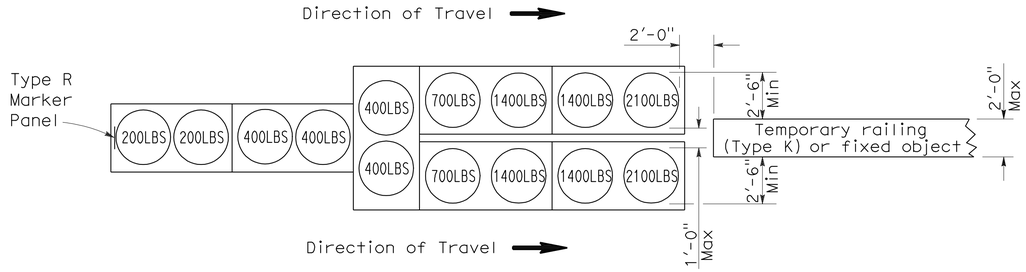
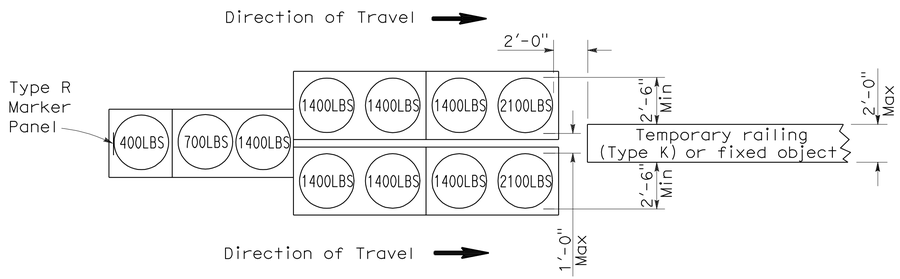
To accompany plans dated 5-24-10



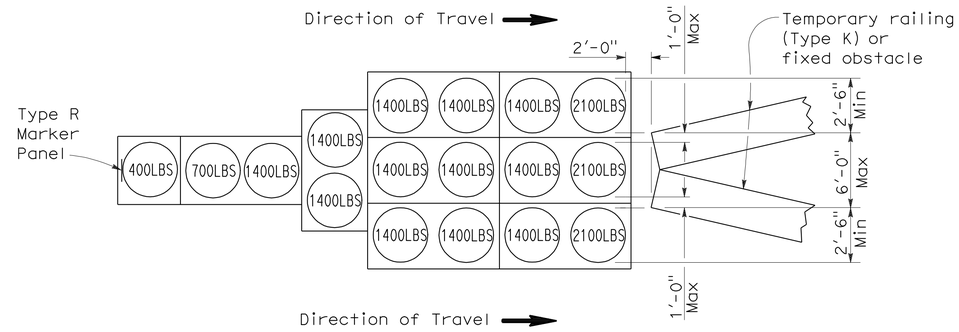
ARRAY 'TU14'

Approach speed 45 mph or more



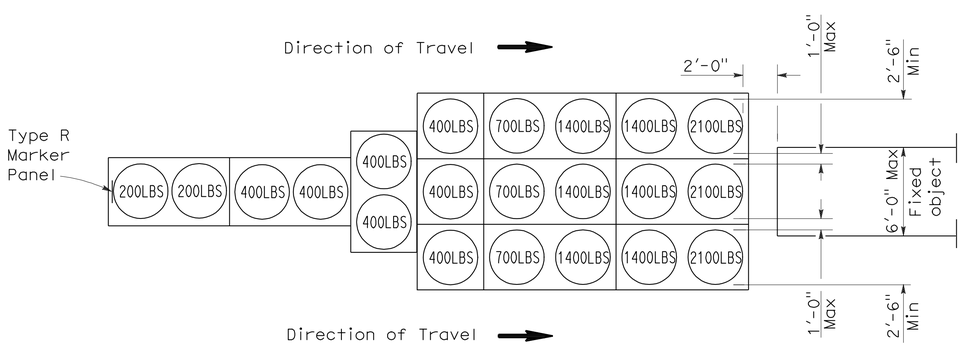
ARRAY 'TU11'

Approach speed less than 45 mph



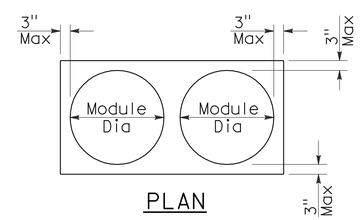
ARRAY 'TU17'

Approach speed less than 45 mph

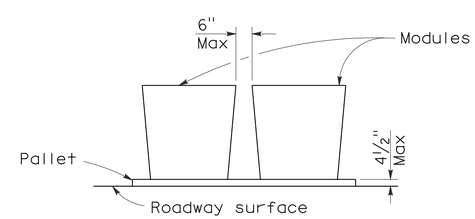


ARRAY 'TU21'

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	166	R25.5/R31.7	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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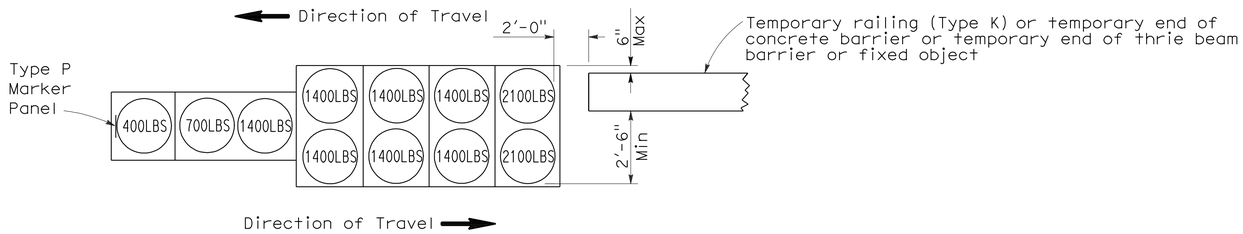
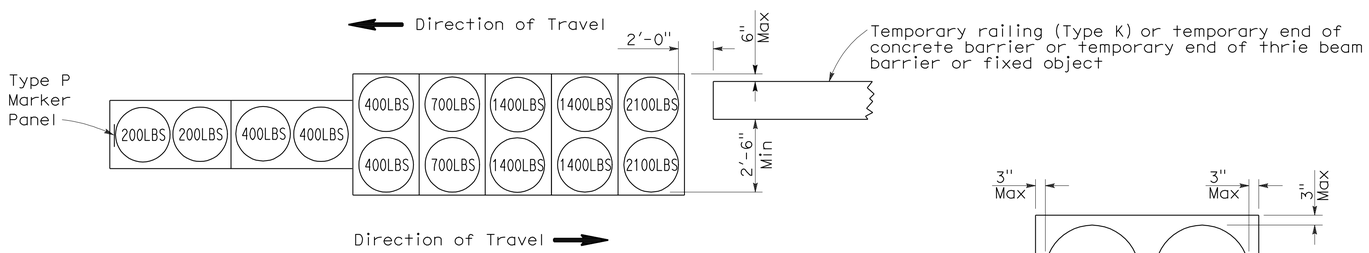
To accompany plans dated 5-24-10



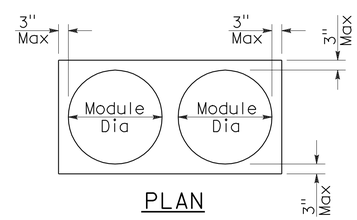
ARRAY 'TB11'

Approach speed less than 45 mph

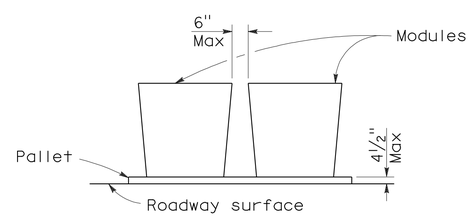


ARRAY 'TB14'

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
05	SB	166	R25.5/R31.7	9	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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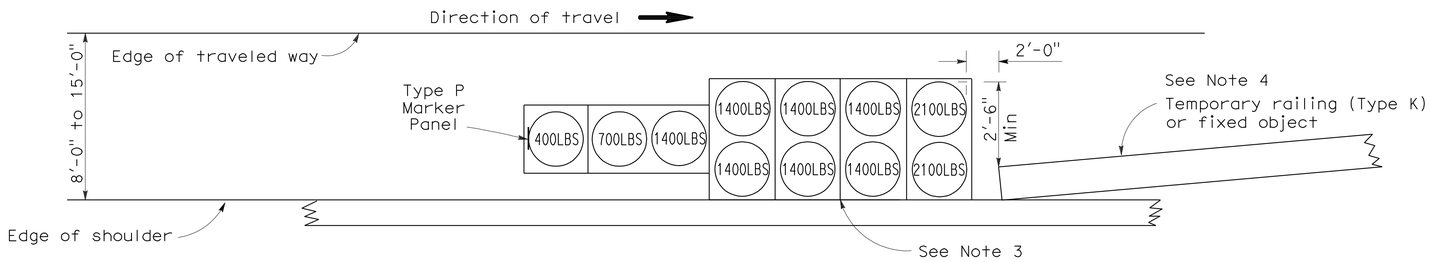
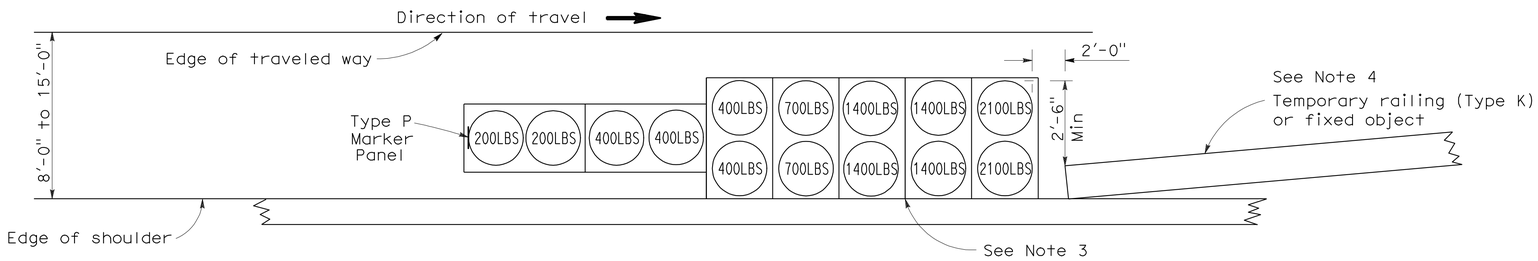
To accompany plans dated 5-24-10



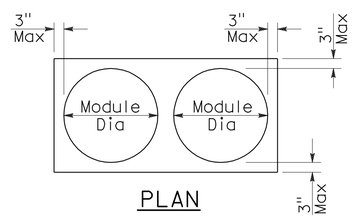
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

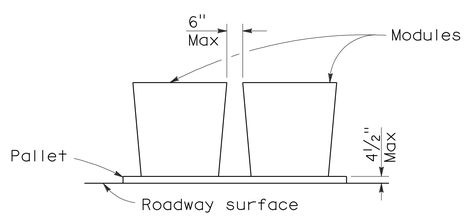


ARRAY 'TS14'

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