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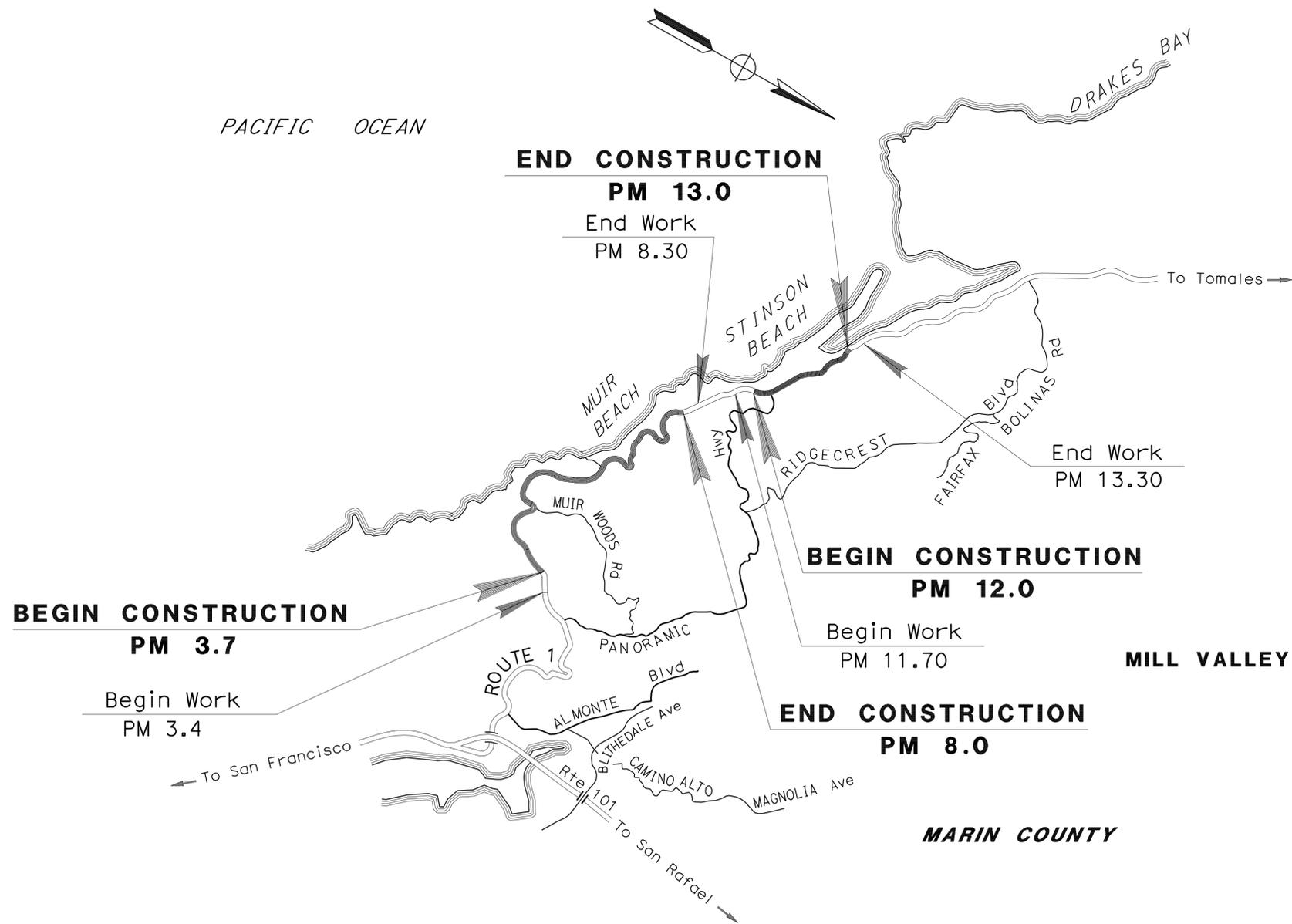
SHEET No.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL CROSS SECTIONS
3	CONSTRUCTION AREA SIGNS
4	PAVEMENT DELINEATION QUANTITIES
5	SUMMARY OF QUANTITIES
6-8	REVISED STANDARD PLAN

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY IN MARIN COUNTY

**FROM 2.3 MILES SOUTH OF MUIRWOOD ROAD
TO 1.0 MILE NORTH OF MUIR BEACH OVERLOOK
AND FROM 0.2 MILE SOUTH OF PANORAMIC HIGHWAY
TO 0.2 MILE NORTH OF CALLE DEL ARROYO**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn	1	3.7/8.0 12.0/13.0	1	8



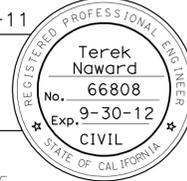
PROJECT MANAGER
RAMSES SARGISS

DESIGN ENGINEER
TEREK NAWARD

Terek Naward 3-10-11
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

March 14, 2011
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.	04-2E3304
PROJECT ID	0400020057

DATE PLOTTED => 15-MAR-2011 TIME PLOTTED => 12:50

LAST REVISION 03-14-11

TEREK NAWARD
 RONNIE CHUA

REVISOR
 DATE

FUNCTIONAL SUPERVISOR
 RONNIE CHUA

DESIGN

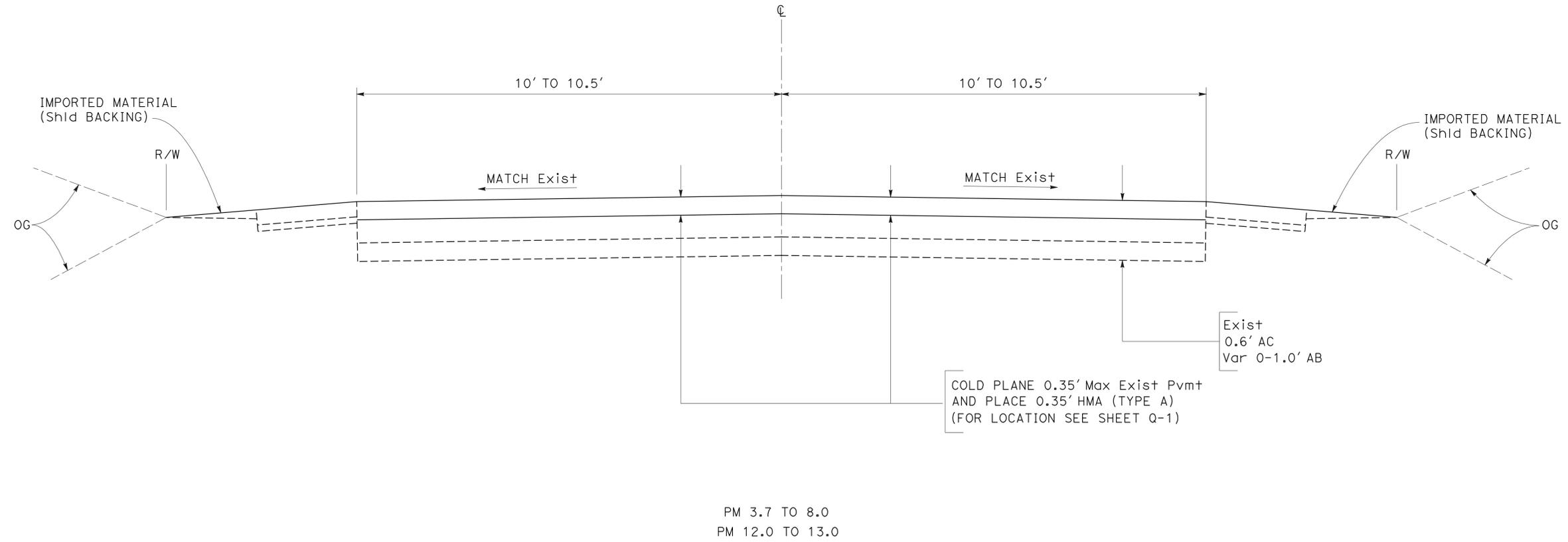
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn	1	3.7/8.0 12.0/13.0	2	8

3-10-11
 REGISTERED CIVIL ENGINEER DATE
 3-14-11
 PLANS APPROVAL DATE

Terek Naward
 No. 66808
 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:**
- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
 - SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
 - FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - ALL EXISTING PAVEMENT DELINEATION REMOVED SHALL BE REPLACED AT THE SAME LOCATION AS EXISTING.
 - SHOULDER BACKING SHALL BE PLACED IN AREAS WITH DROP-OFFS.



TYPICAL CROSS SECTIONS
 NO SCALE

CONSTRUCTION AREA SIGNS

SIGN No.	MUTCD CODE	MESSAGE	PANEL SIZE	NUMBER OF POST AND SIZE	QUANTITY
1	W20-1	ROAD WORK AHEAD	36" x 36"	(ONE) 4" x 6"	4
2	G20-2	END ROAD WORK	36" x 18"	(ONE) 4" x 4"	4
3	C40(CA)	TRAFFIC FINES DOUBLE AT ---	72" x 36"	(TWO) 4" x 6"	4

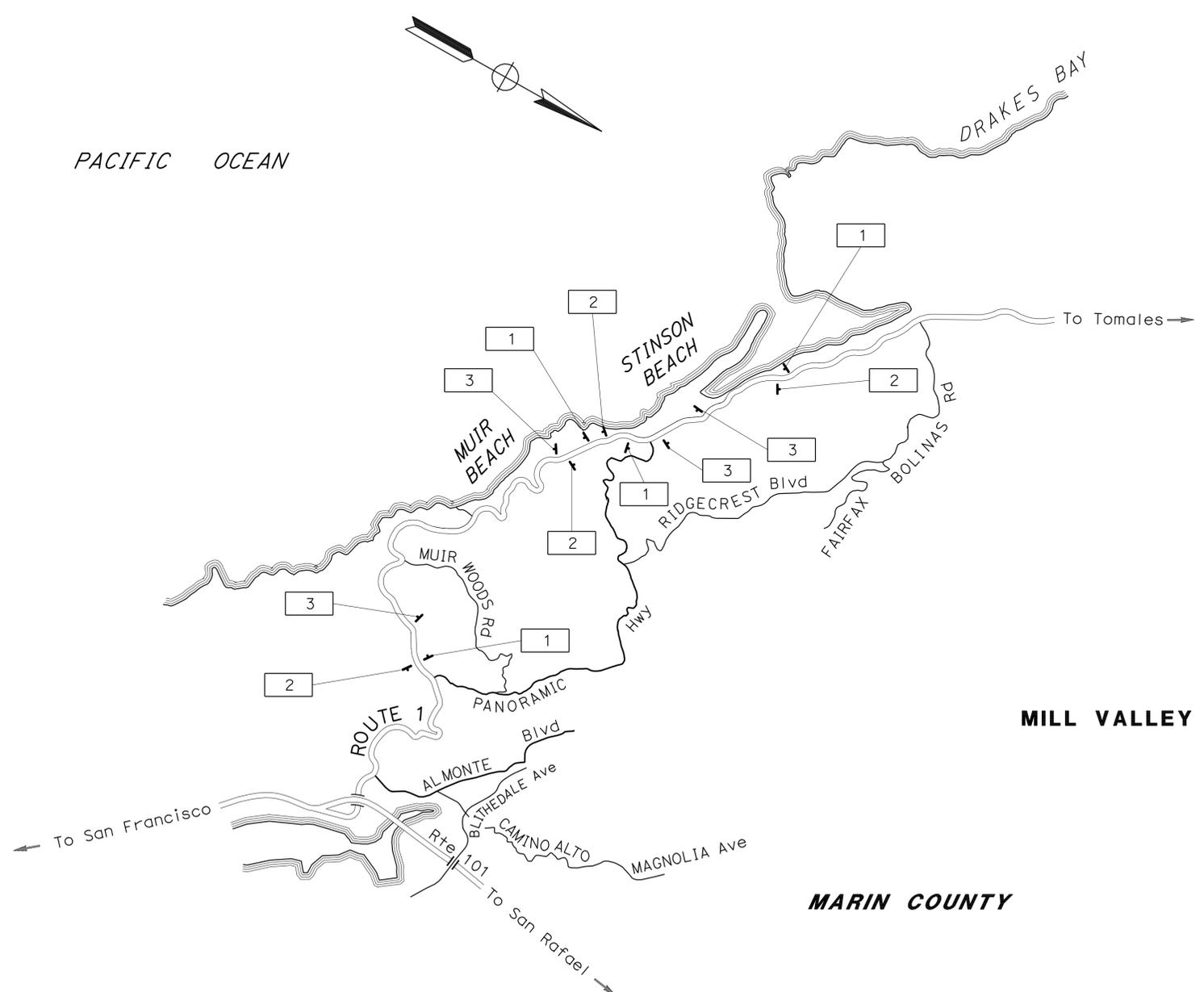
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn	1	3.7/8.0 12.0/13.0	3	8

Jeryl L. Struven 3-10-11
 REGISTERED CIVIL ENGINEER DATE
 3-14-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 No. 49964
 Exp. 2-31-12
 CIVIL
 STATE OF CALIFORNIA

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
 CALCULATED/DESIGNED BY: HERMINIO S. RUIDERA
 CHECKED BY: JERILYN L. STRUVEN
 REVISIONS: 1/05/11
 HR



LEGEND:

[No.] CONSTRUCTION AREA SIGNS

NOTES:

1. EXACT LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
2. CONSTRUCTION AREA SIGNS TO BE STATIONARY MOUNTED.

CONSTRUCTION AREA SIGNS
NO SCALE

CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

LAST REVISION DATE PLOTTED => 15-MAR-2011
 03-14-11 TIME PLOTTED => 12:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn	1	3.7/8.0 12.0/13.0	4	8

 3-10-11
 REGISTERED CIVIL ENGINEER DATE

3-14-11
 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.

REGISTERED PROFESSIONAL ENGINEER
 Terek Naward
 No. 66808
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

TRAFFIC STRIPES, PAVEMENT MARKINGS AND PAVEMENT MARKERS

DESCRIPTION	DETAIL No. OR PAVEMENT MARKINGS	THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER (RETROREFLECTIVE)	REMOVE PAVEMENT MARKER	
		4" WHITE	4" YELLOW	TYPE D		
		LF		EA		
PM 3.700 TO PM 3.960	10' Lt, Rt	27B	2746			
PM 3.700 TO PM 3.960	CENTER LINE	22		116	116	
PM 4.050 TO PM 4.580	10' Lt, Rt	27B	5597			
PM 4.050 TO PM 4.580	CENTER LINE	22		235	235	
PM 5.350 TO PM 5.700	10' Rt	27B	1848			
PM 5.350 TO PM 5.700	CENTER LINE	22		156	156	
PM 5.700 TO PM 6.000	10' Lt, Rt	27B	3168			
PM 5.700 TO PM 6.000	CENTER LINE	22		134	134	
PM 6.000 TO PM 6.340	10' Rt	27B	1795			
PM 6.000 TO PM 6.340	CENTER LINE	22		152	152	
PM 6.300 TO PM 6.350	10' Lt	27B	264			
PM 6.300 TO PM 6.350	CENTER LINE	22		24	24	
PM 7.132 TO PM 7.151	10' Lt	27B	100			
PM 7.132 TO PM 7.151	CENTER LINE	22		10	10	
PM 7.320 TO PM 7.335	10' Lt, Rt	27B	158			
PM 7.320 TO PM 7.335	CENTER LINE	22		9	9	
PM 7.390 TO PM 7.400	10' Lt, Rt	27B	53			
PM 7.390 TO PM 7.400	CENTER LINE	22		6	6	
PM 7.465 TO PM 7.500	10' Lt, Rt	27B	185			
PM 7.465 TO PM 7.500	CENTER LINE	22		17	17	
PM 7.600 TO PM 7.615	10' Lt, Rt	27B	158			
PM 7.600 TO PM 7.615	CENTER LINE	22		9	9	
PM 7.780 TO PM 7.790	10' Lt, Rt	27B	53			
PM 7.780 TO PM 7.790	CENTER LINE	22		6	6	
PM 12.200 TO PM 12.240	10' Lt, Rt	27B	422			
PM 12.200 TO PM 12.240	CENTER LINE	22		20	20	
PM 12.240 TO PM 12.333	10' Lt, Rt	27B	982			
PM 12.240 TO PM 12.333	CENTER LINE	22		43	43	
SUBTOTAL			17529	21828	937	937
TOTAL			39357		937	937

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION


FUNCTIONAL SUPERVISOR: RONNIE CHUA
 TEREK NAWARD
 RONNIE CHUA
 TN: 12/15/10
 REVISIONS: 12/15/10
 CHECKED BY:

PAVEMENT DELINEATION QUANTITIES

PDQ-1

LAST REVISION DATE PLOTTED => 15-MAR-2011 03-14-11 TIME PLOTTED => 12:51

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

FUNCTIONAL SUPERVISOR
 RONNIE CHUA

CALCULATED-DESIGNED BY
 CHECKED BY

TEREK NAWARD
 RONNIE CHUA

REVISOR
 DATE

REVISION
 DATE

DATE

NOTE:
 THE EXACT LOCATION OF COLD PLANE AREA
 TO BE DETERMINED BY THE ENGINEER.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Mrn	1	3.7/8.0 12.0/13.0	5	8

3-10-11
 REGISTERED CIVIL ENGINEER DATE
 3-14-11
 PLANS APPROVAL DATE

Terek Naward
 No. 66808
 Exp. 9-30-12
 CIVIL

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**ROADWAY QUANTITIES (MAINLINE)
 COLD PLANE AC PAVEMENT (0.35' Max)**

PM	DIRECTION	WIDTH	LENGTH	DEPTH	COLD PLANE ASPHALT CONCRETE PAVEMENT (0.35' Max)		HOT MIX ASPHALT (TYPE A)	TACK COAT	
					SQYD	TON			
3.700	3.960	SB	NB	10, 10	1373	0.35	3051	711	4.15
4.050	4.580	SB	NB	10, 10	2798	0.35	6219	1450	8.45
5.350	5.700		NB	0, 10	1848	0.35	2053	479	2.79
5.700	6.000	SB	NB	10, 10	1584	0.35	3520	821	4.79
6.000	6.340		NB	0, 10	1795	0.35	1995	465	2.71
6.300	6.350	SB		10, 0	264	0.35	293	68	0.40
7.132	7.151	SB		10, 0	100	0.35	111	26	0.30
7.320	7.335	SB	NB	10, 10	79	0.35	176	41	0.24
7.390	7.400		NB	0, 10	53	0.35	59	14	0.08
7.465	7.500	SB		10, 0	185	0.35	205	48	0.28
7.600	7.615	SB	NB	10, 10	80	0.35	177	41	0.24
7.780	7.790		NB	0, 10	53	0.35	59	14	0.08
12.200	12.240	SB	NB	Var, Var	211	0.35	469	259	0.64
12.240	12.333	SB	NB	10, 10	491	0.35	1091	254	1.48
12.498	12.501		NB	0, 10	16	0.35	18	4	0.02
TOTAL							19496	4694	26.7

CRACK TREATMENT

PM	LNMI
3.7 TO 8.0	5
12.0 TO 13.0	1
TOTAL	6

SUMMARY OF QUANTITIES

Q-1

LAST REVISION
 03-14-11
 DATE PLOTTED => 15-MAR-2011
 TIME PLOTTED => 12:51

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Mrn	1	3.7/8.0 12.0/13.0	6	8

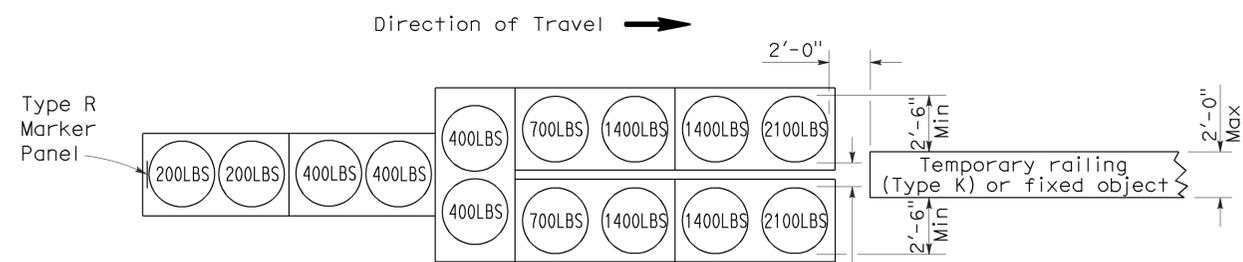
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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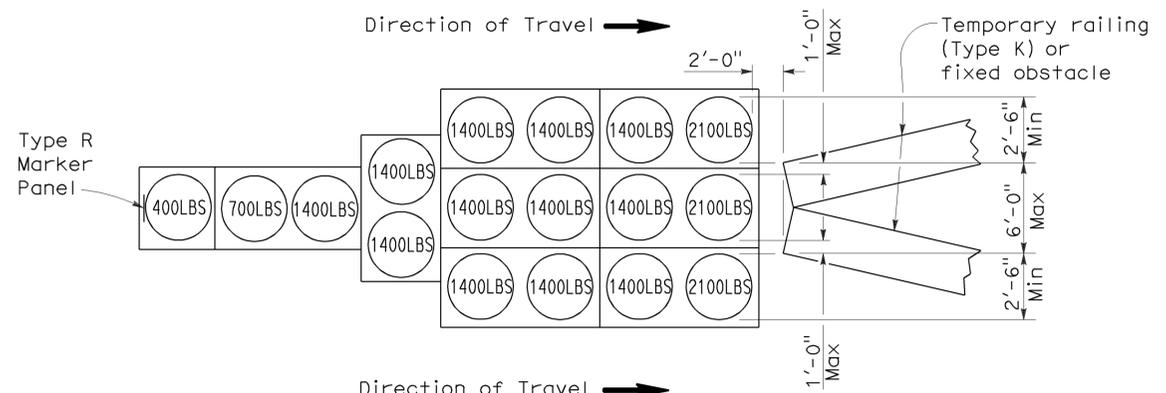
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 3-14-11



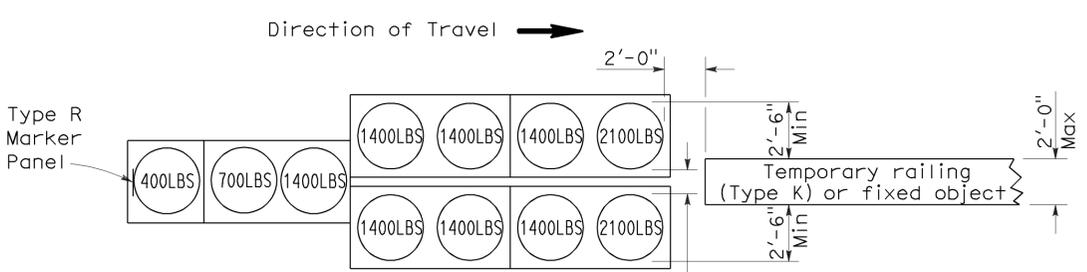
ARRAY 'TU14'

Approach speed 45 mph or more



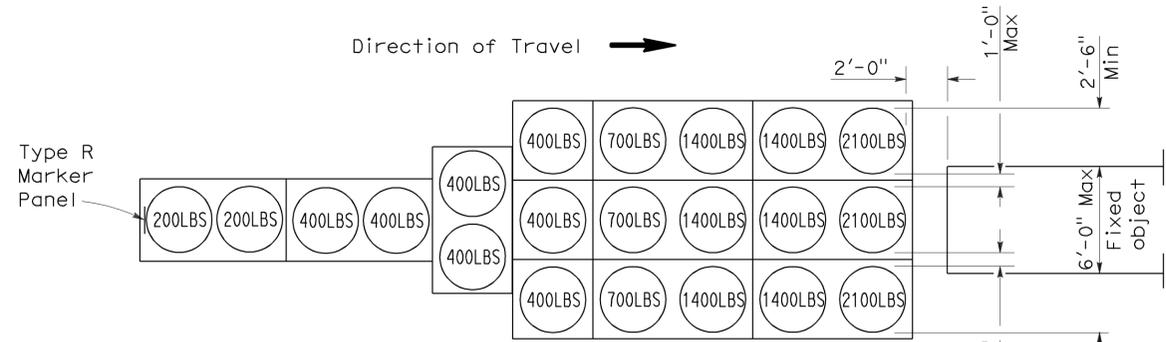
ARRAY 'TU17'

Approach speed less than 45 mph



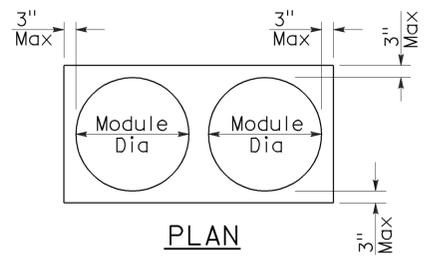
ARRAY 'TU11'

Approach speed less than 45 mph

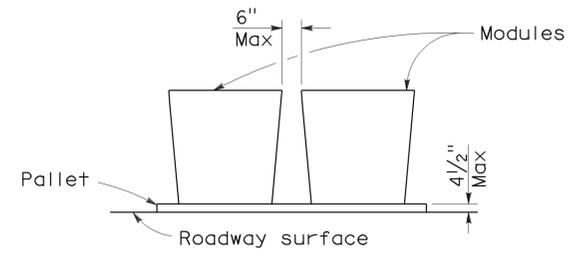


ARRAY 'TU21'

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

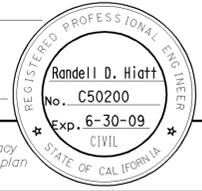
2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Mrn	1	3.7/8.0 12.0/13.0	7	8

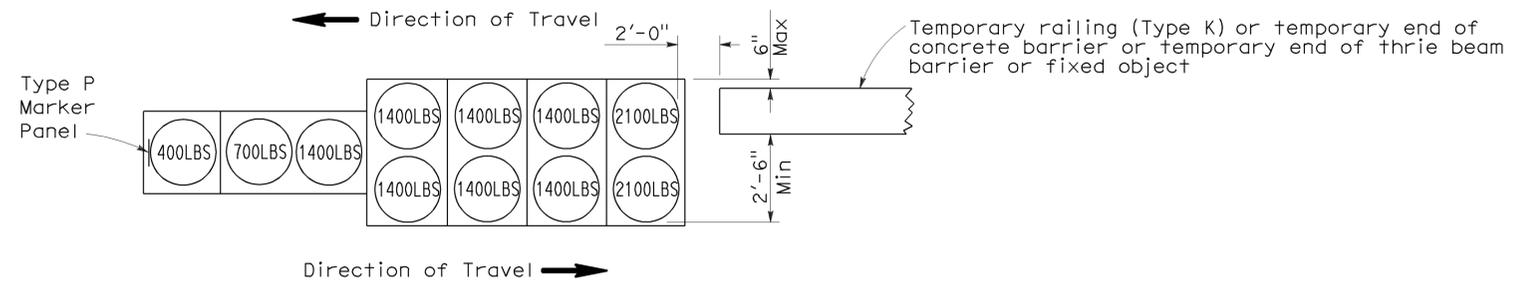
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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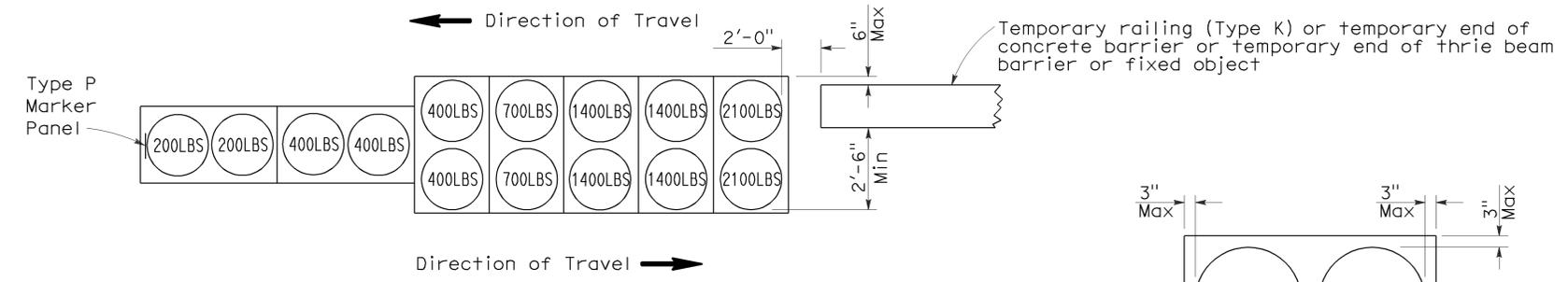


To accompany plans dated 3-14-11



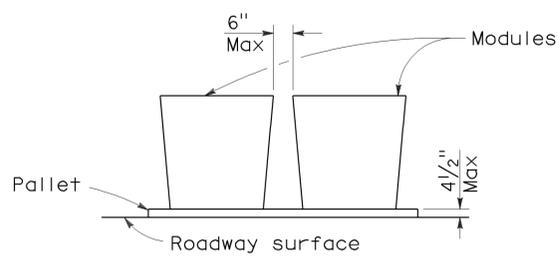
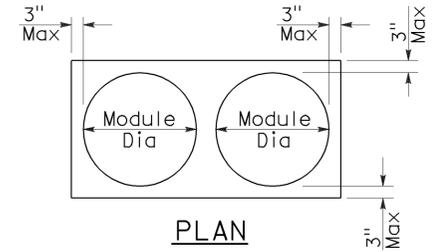
ARRAY 'TB11'

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Mrn	1	3.7/8.0 12.0/13.0	8	8

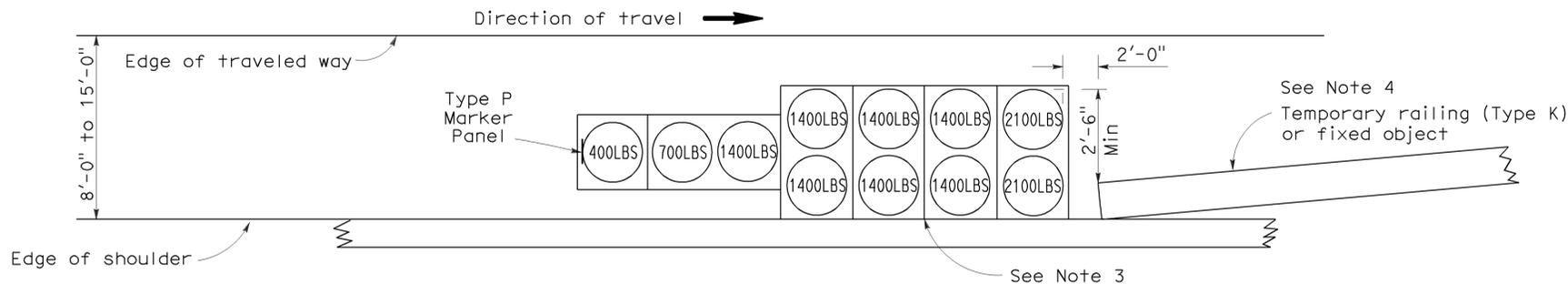
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

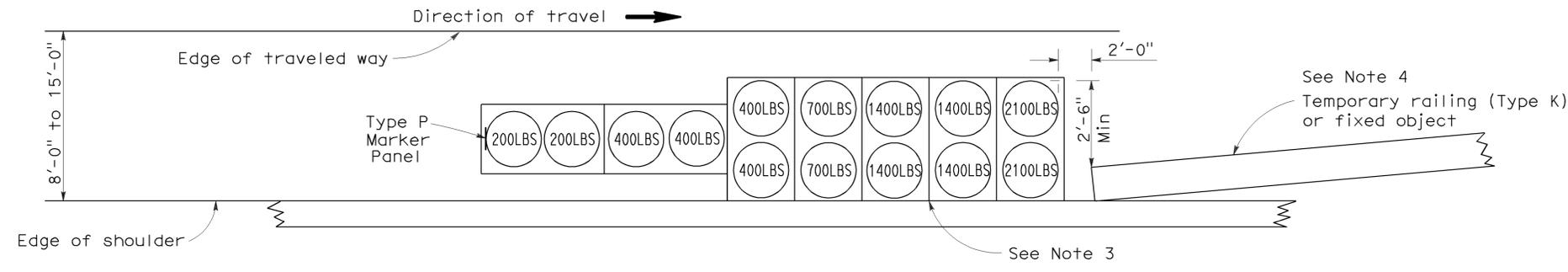
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REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 3-14-11



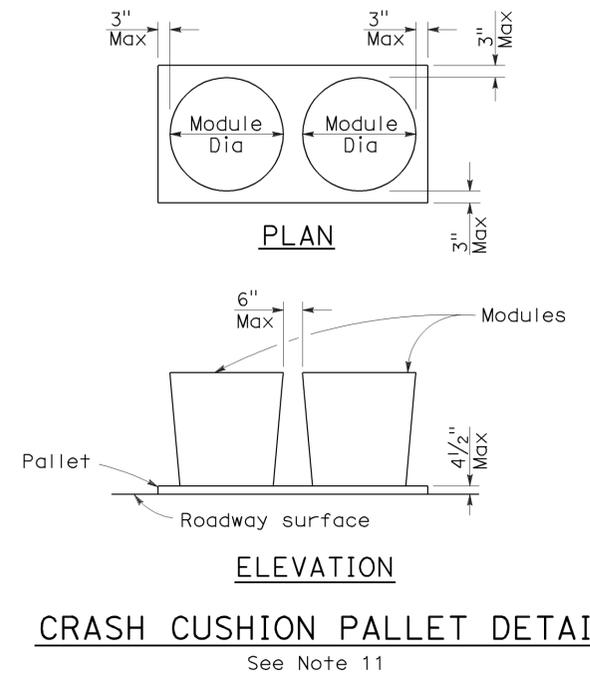
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9

NOTES:

- (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.
- All sand weights are nominal.
- 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.
- 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.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- 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.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- 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