

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3	CONSTRUCTION DETAILS
4	CONSTRUCTION AREA SIGNS
5	SUMMARY OF QUANTITIES
6-8	REVISED STANDARD PLANS

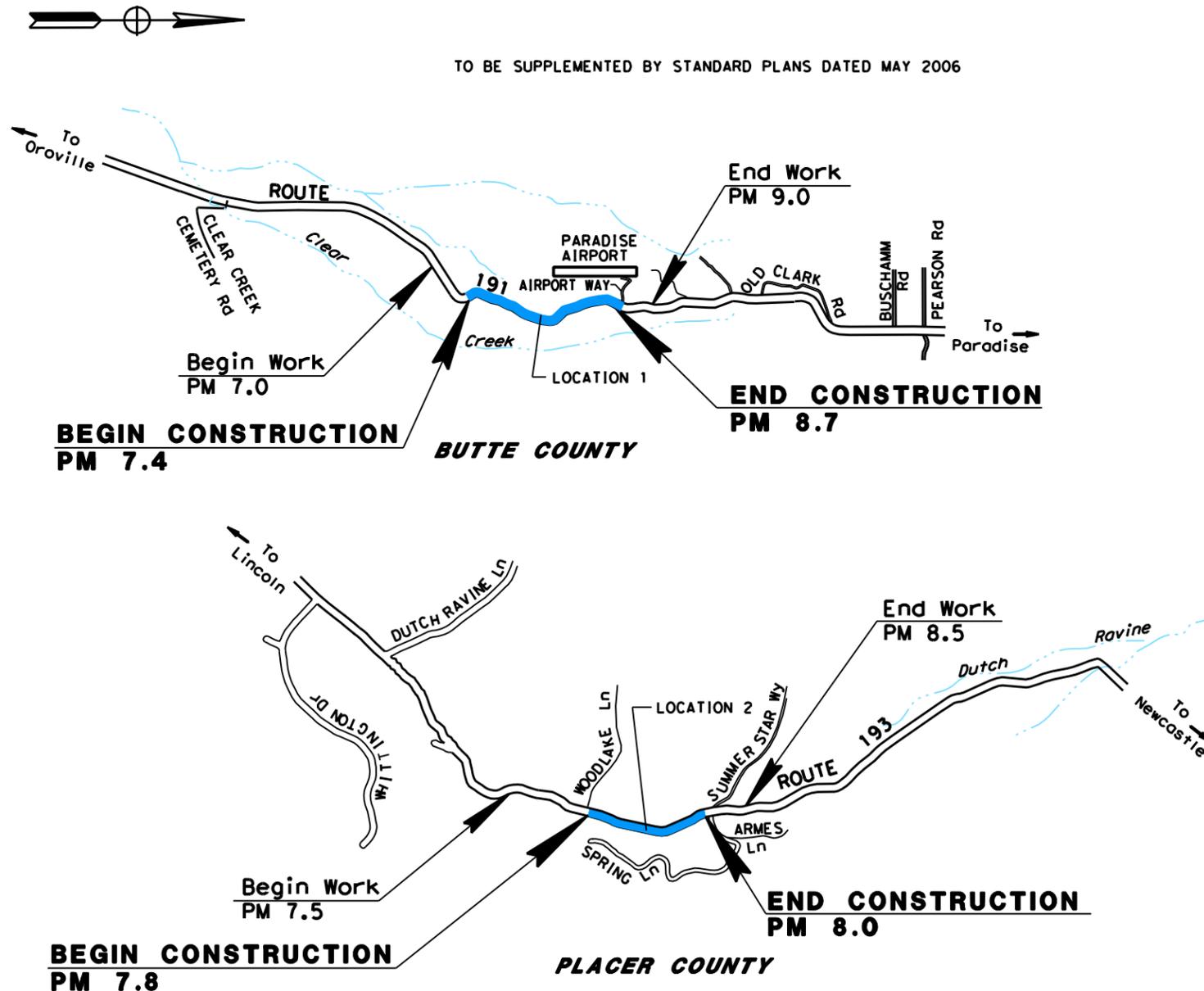
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA **HSSTP-000C(317)E**
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

**IN BUTTE AND PLACER COUNTIES
 ON ROUTE 191 FROM 2.6 MILES NORTH
 OF CLEAR CREEK CEMETERY ROAD
 TO AIRPORT WAY
 AND ON ROUTE 193 FROM 1.2 MILES
 EAST OF WHITTINGTON DRIVE
 TO SUMMER STAR WAY**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But, Pla	191, 193	7.4/8.7, 7.8/8.0	1	8

LOCATION MAP

PROJECT MANAGER
ROSS FOON

DESIGN ENGINEER
ERIC Y. WONG

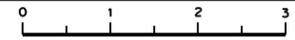
Trankal 11-24-09
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
AI K. TRAN
 No. 64269
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

APRIL 19 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.

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

NO SCALE



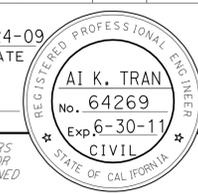
DATE PLOTTED => \$DATE
 TIME PLOTTED => \$TIME
 LAST REVISION
 00-00-00

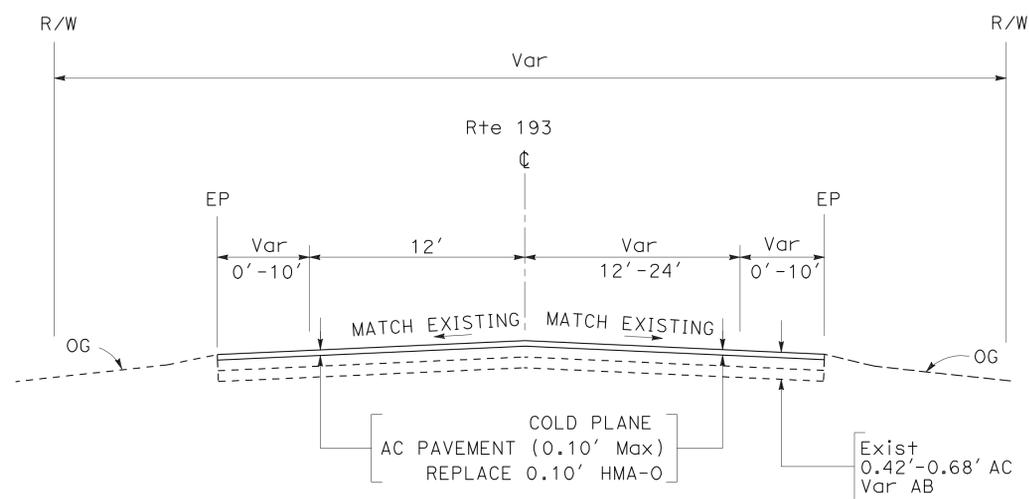
NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

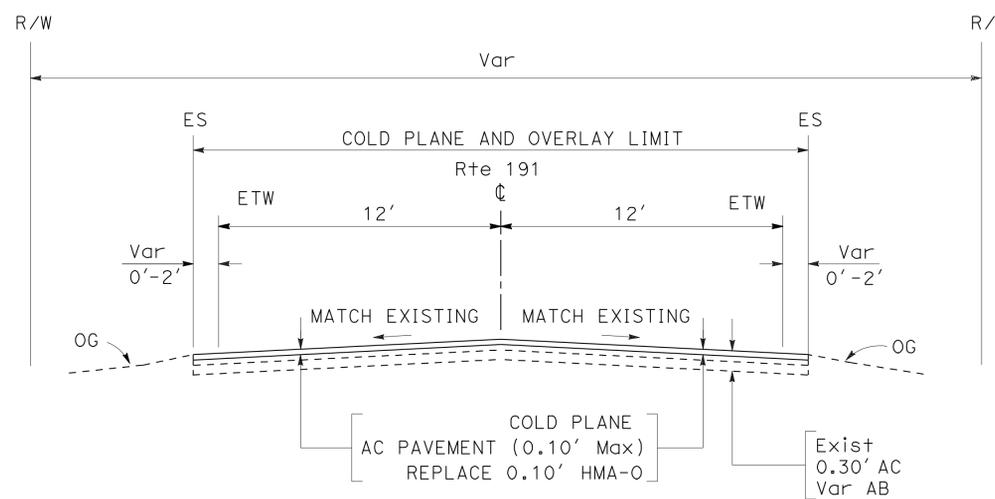
ABBREVIATIONS

- HMA-O - HOT MIX ASPHALT (OPEN GRADED)
 LL - LANE LINE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But, Pla	191, 193	7.4/8.7, 7.8/8.0	2	8
 REGISTERED CIVIL ENGINEER			DATE		
			11-24-09		
			PLANS APPROVAL DATE		
			4-19-10		
					
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.					



LOCATION 2
 Pla 193 PM 7.80/8.00



LOCATION 1
 But 191 PM 7.35/8.65

TYPICAL CROSS SECTIONS
 NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC DESIGN BRANCH
 SACRAMENTO

FUNCTIONAL SUPERVISOR	ERIC Y. WONG
CALCULATED-DESIGNED BY	AI K. TRAN
CHECKED BY	AI K. TRAN
REVISOR	
REVISION	

LEGEND:

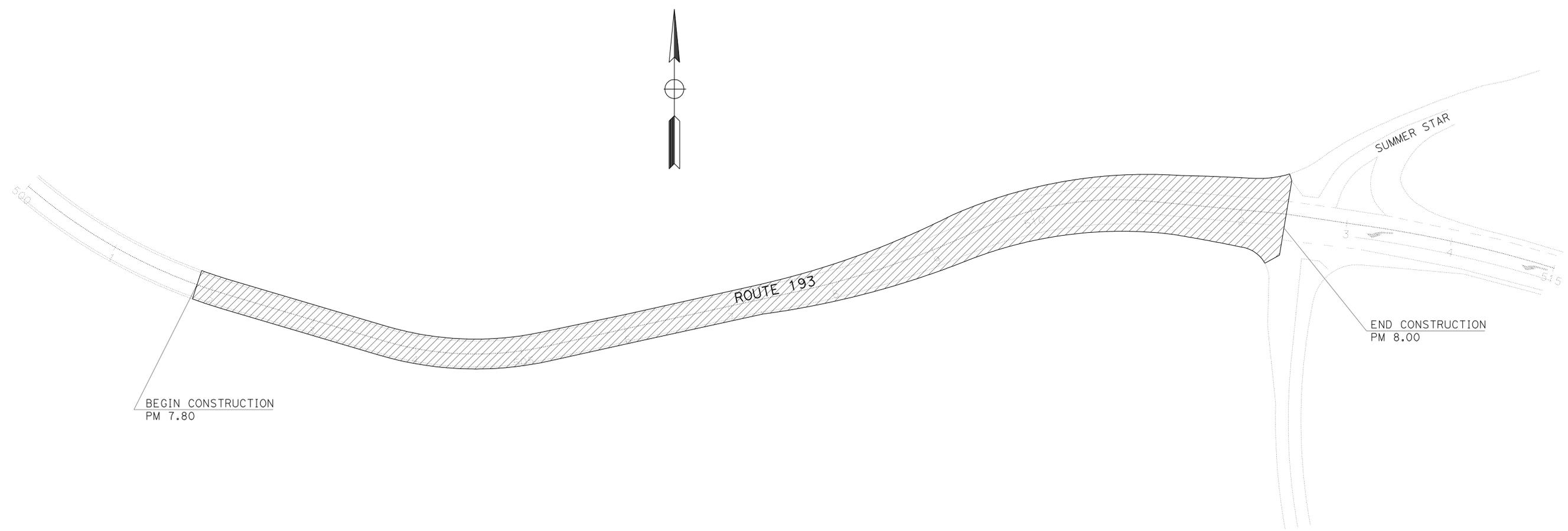
-  COLD PLANE ASPHALT CONCRETE PAVEMENT (0.10' Max)
-  PLACE 0.10' HMA (OPEN GRADED)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But, Pla	191, 193	7.4/8.7, 7.8/8.0	3	8

Trankal 11-24-09
 REGISTERED CIVIL ENGINEER DATE
 4-19-10
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 AI K. TRAN
 No. 64269
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

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LOCATION 2

CONSTRUCTION DETAILS
 NO SCALE
C-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But, Pla	191, 193	7.4/8.7, 7.8/8.0	4	8
<i>Frankal</i> REGISTERED CIVIL ENGINEER			11-24-09	DATE	
4-19-10			PLANS APPROVAL DATE		
<small>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.</small>					

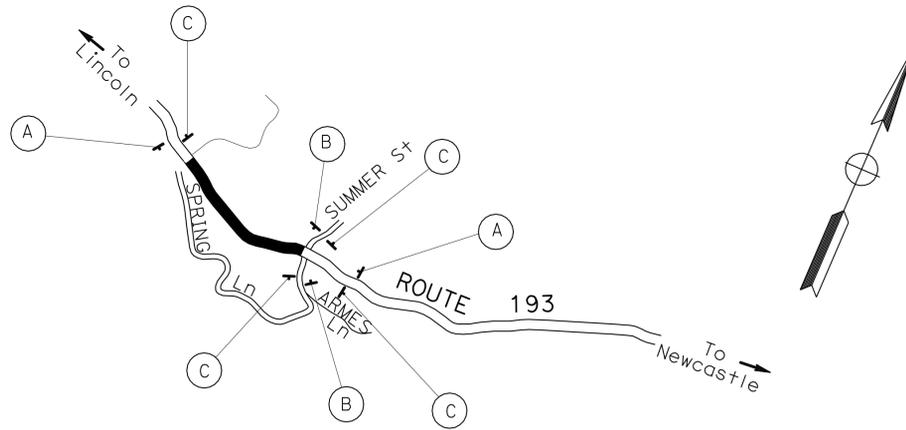


NOTES:

1. SIGN LOCATIONS SHOWN ARE APPROXIMATE. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

LEGEND:

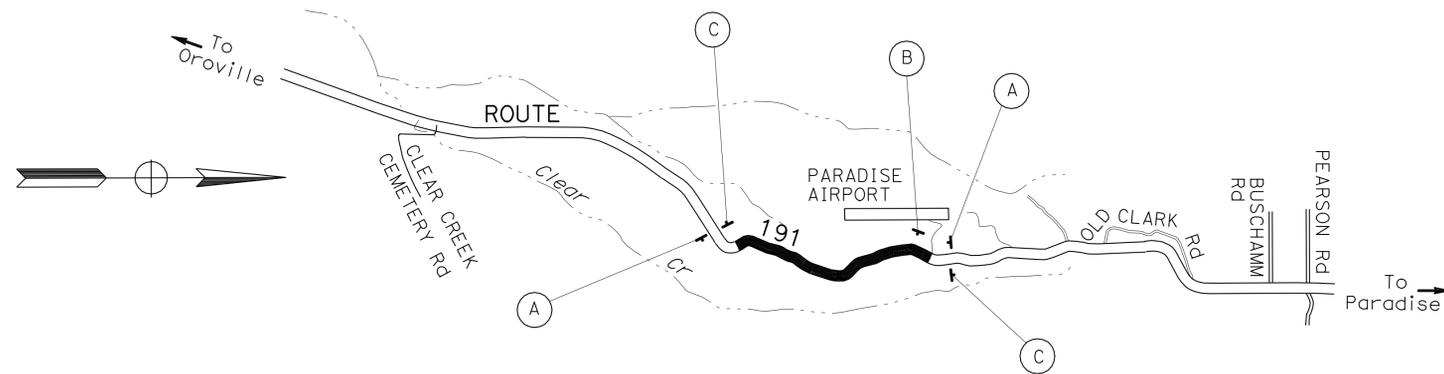
⊣ SIGN - SINGLE POST



**LOCATION 2
PLACER COUNTY**

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)	W20-1	C23	48" X 48"	ROAD WORK AHEAD	1 - 6" X 6"	4
(B)	W20-1	C23	30" X 30"	ROAD WORK AHEAD	1 - 4" X 4"	3
(C)	G20-2	C14	36" X 18"	END ROAD WORK	1 - 4" X 4"	6



**LOCATION 1
BUTTE COUNTY**

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC DESIGN BRANCH
 SACRAMENTO

REVISOR
 DATE

AI K. TRAN
 AI K. TRAN

CALCULATED-DESIGNED BY
 CHECKED BY

FUNCTIONAL SUPERVISOR
 ERIC Y. WONG

TRAFFIC DESIGN BRANCH
 SACRAMENTO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC DESIGN BRANCH
 SACRAMENTO

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But, Pla	191,193	7.4/8.7, 7.8/8.0	5	8

Trankal 11-24-09
REGISTERED CIVIL ENGINEER DATE
4-19-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
AI K. TRAN
No. 64269
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

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ROADWAY QUANTITIES

LOCATION	COLD PLANE ASPHALT CONCRETE PAVEMENT	HOT MIX ASPHALT (OPEN GRADED)	TACK COAT
	SQYD	TON	TON
LOCATION 1	21,360	1,440	4.2
LOCATION 2	4,400	300	0.8
TOTAL	25,760	1,740	5.0

PAVEMENT DELINEATION QUANTITIES

LOCATION	4" THERMOPLASTIC TRAFFIC STRIPE		8" THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC PAVEMENT MARKING	PAVEMENT MARKER (RETROREFLECTIVE)	
	SOLID PATTERN	BROKEN 12-3	SOLID PATTERN		TYPE III ARROW	TYPE D
	DETAIL NUMBER	DETAIL NUMBER	DETAIL NUMBER	SQFT		
	22	27B	27C		38	
	LF	LF	LF	LF		
LOCATION 1	13,730	13,660	70		574	
LOCATION 2	2,090	1,860	230	140	90	7
SUBTOTAL	15,820	15,520	300	140	664	7
TOTAL	31,340		300	140	671	

SUMMARY OF QUANTITIES

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN BRANCH
SACRAMENTO

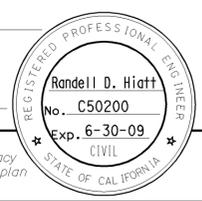
FUNCTIONAL SUPERVISOR
ERIC Y. WONG

AI K. TRAN
AI K. TRAN

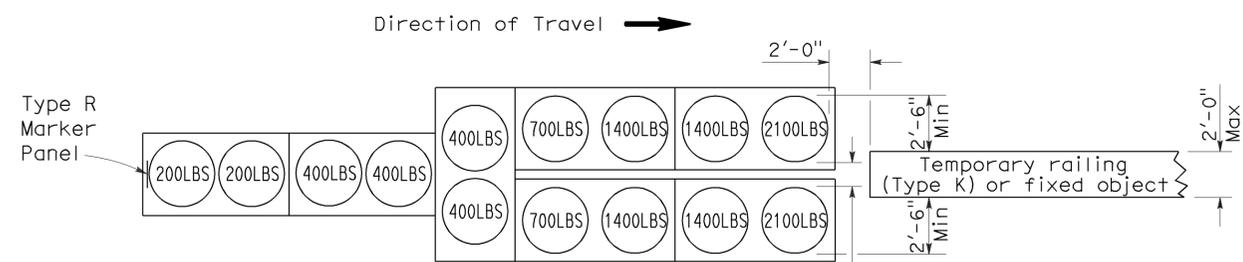
REVISOR
DATE REVISOR

DESIGNED BY
CHECKED BY

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But, Pld	191,193	7.4/8.7, 7.8/8.0	6	8
<i>Randell D. Hiatt</i> REGISTERED CIVIL ENGINEER					
June 6, 2008 PLANS APPROVAL DATE					
<small>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.</small>					

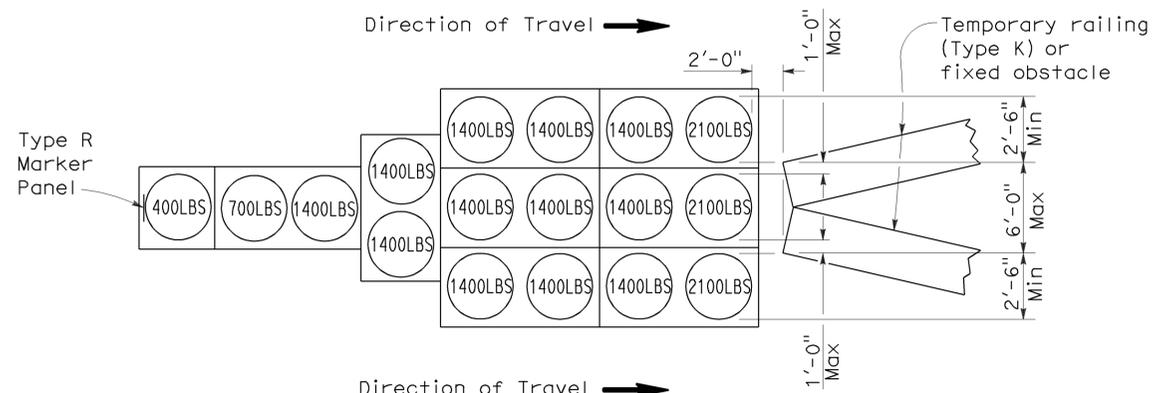


To accompany plans dated 4-19-2010



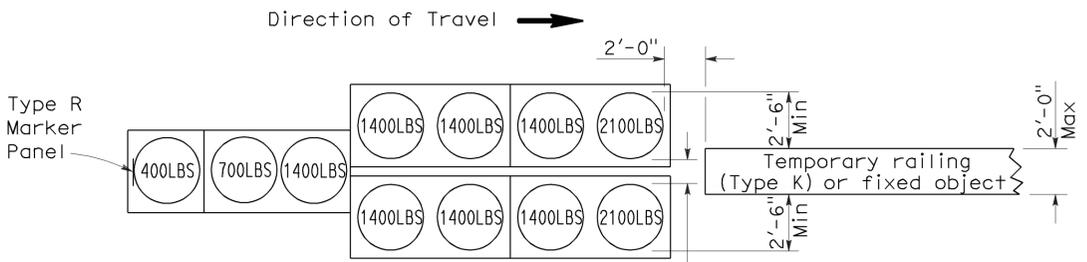
ARRAY 'TU14'

Approach speed 45 mph or more



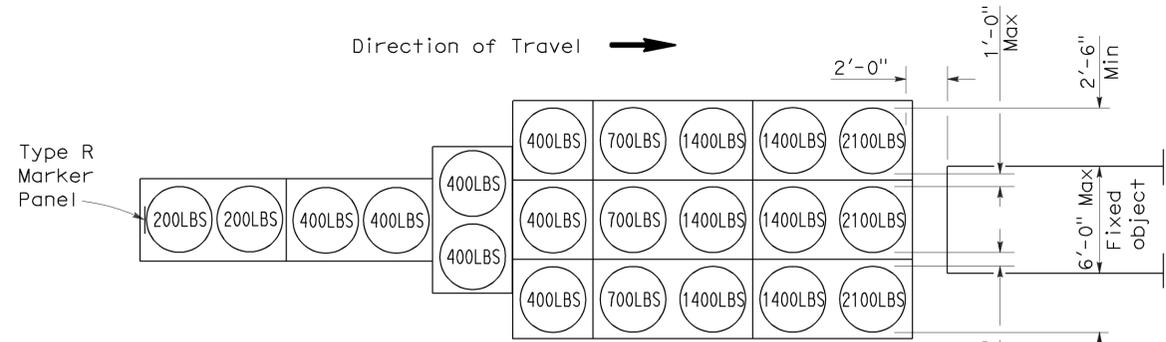
ARRAY 'TU17'

Approach speed less than 45 mph



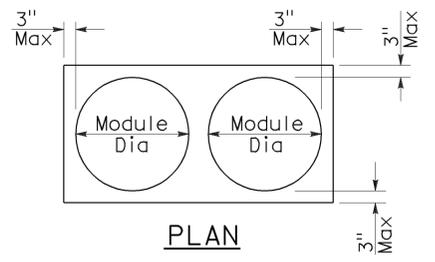
ARRAY 'TU11'

Approach speed less than 45 mph

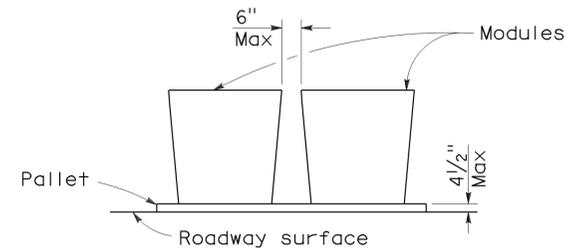


ARRAY 'TU21'

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
03	But, Pla	191,193	7.4/8.7, 7.8/8.0	7	8

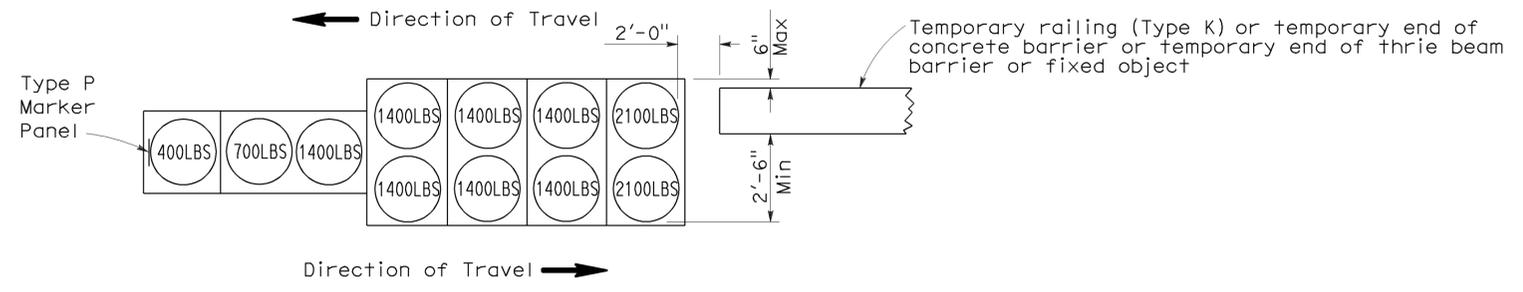
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

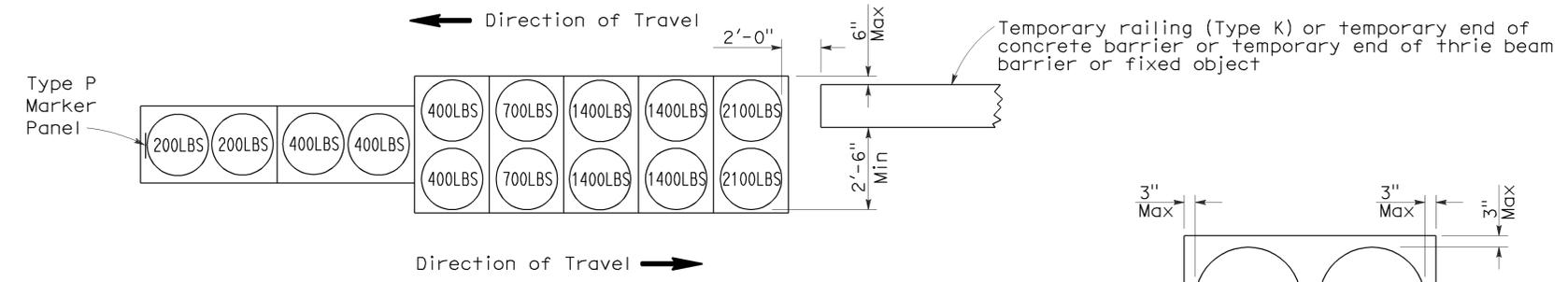
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REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

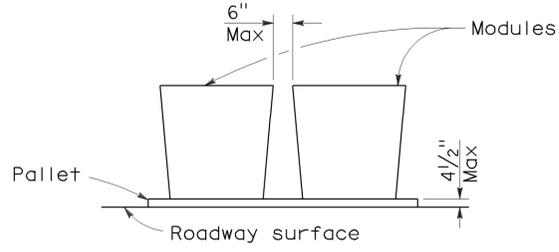
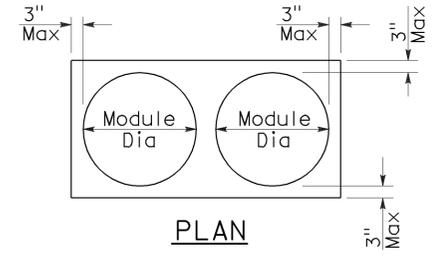
To accompany plans dated 4-19-2010



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

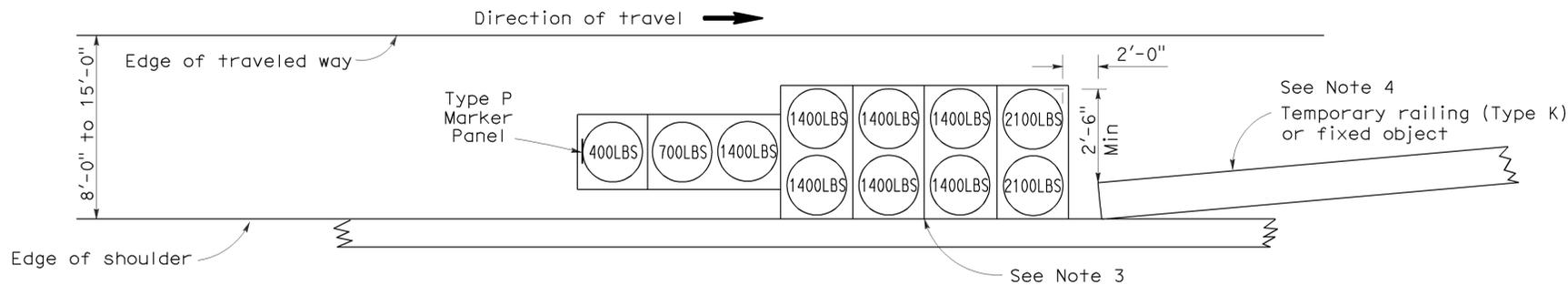
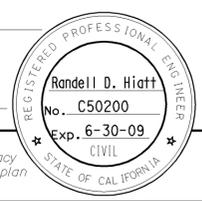
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	But, Pla	191,193	7.4/8.7, 7.8/8.0	8	8

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

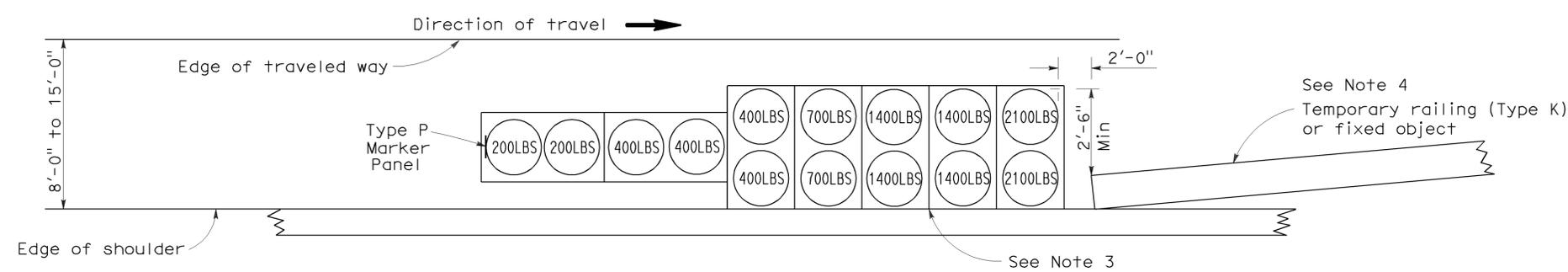
June 6, 2008
PLANS APPROVAL DATE

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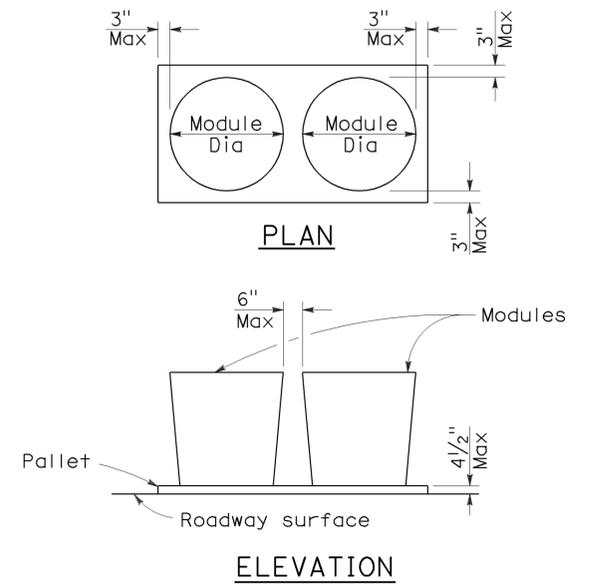
To accompany plans dated 4-19-2010



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



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



CRASH CUSHION PALLET DETAIL
See Note 11

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