

INDEX OF PLANS

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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 SAN LUIS OBISPO COUNTY
NEAR SANTA MARIA
TO 3.3 MILES EAST OF ALAMO CREEK BRIDGE

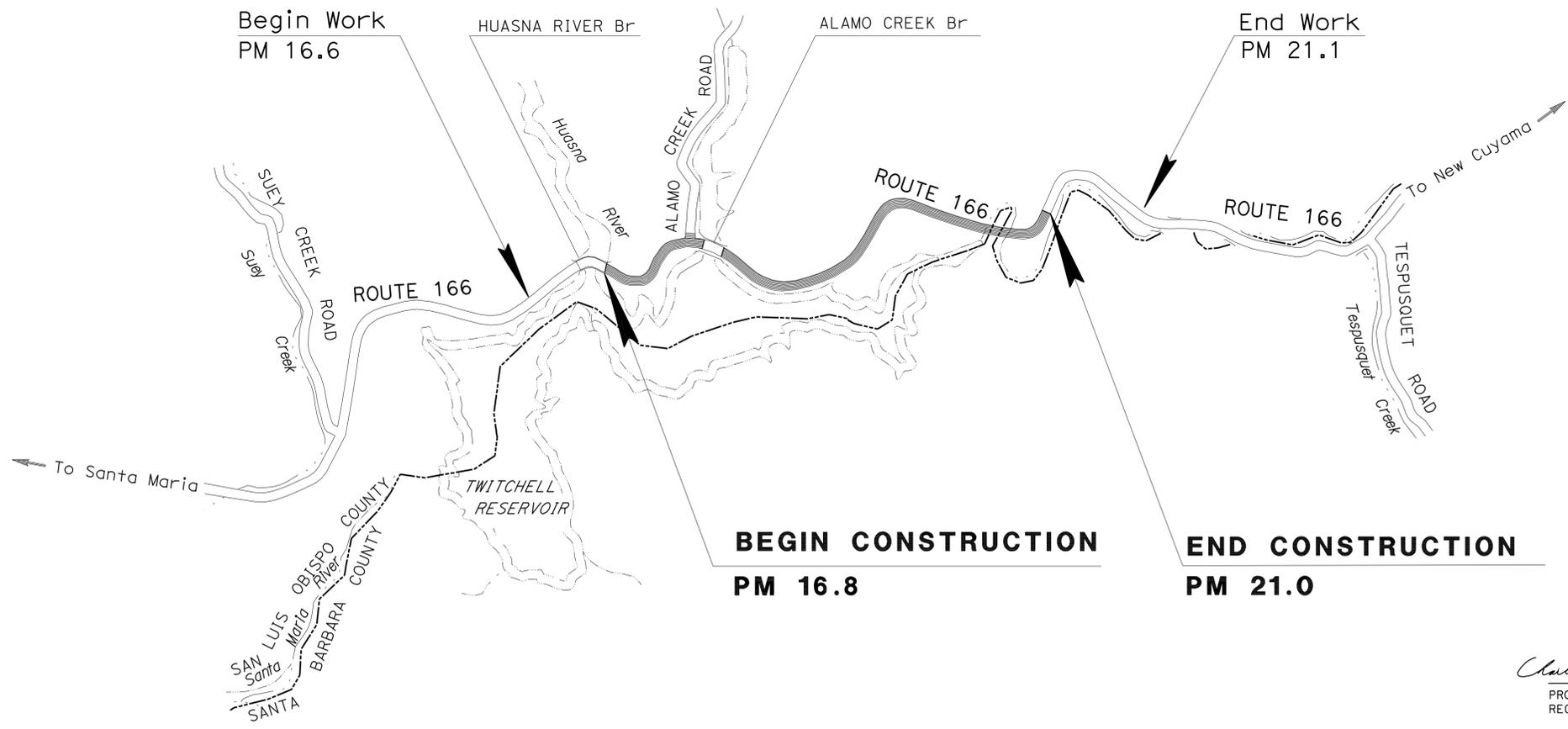
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	166	16.8/21.0	1	7



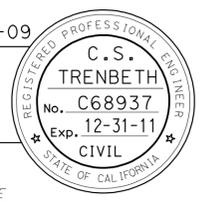


LOCATION MAP



PROJECT MANAGER
KELLY. J. McCLAIN
 DESIGN ENGINEER
KELLY. J. McCLAIN

Charles S. Trenbeth 12-30-09
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
January 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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	166	16.8/21.0	2	7

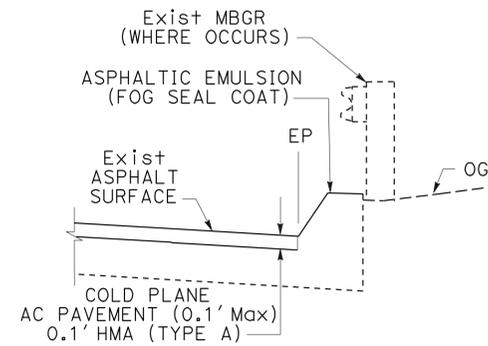
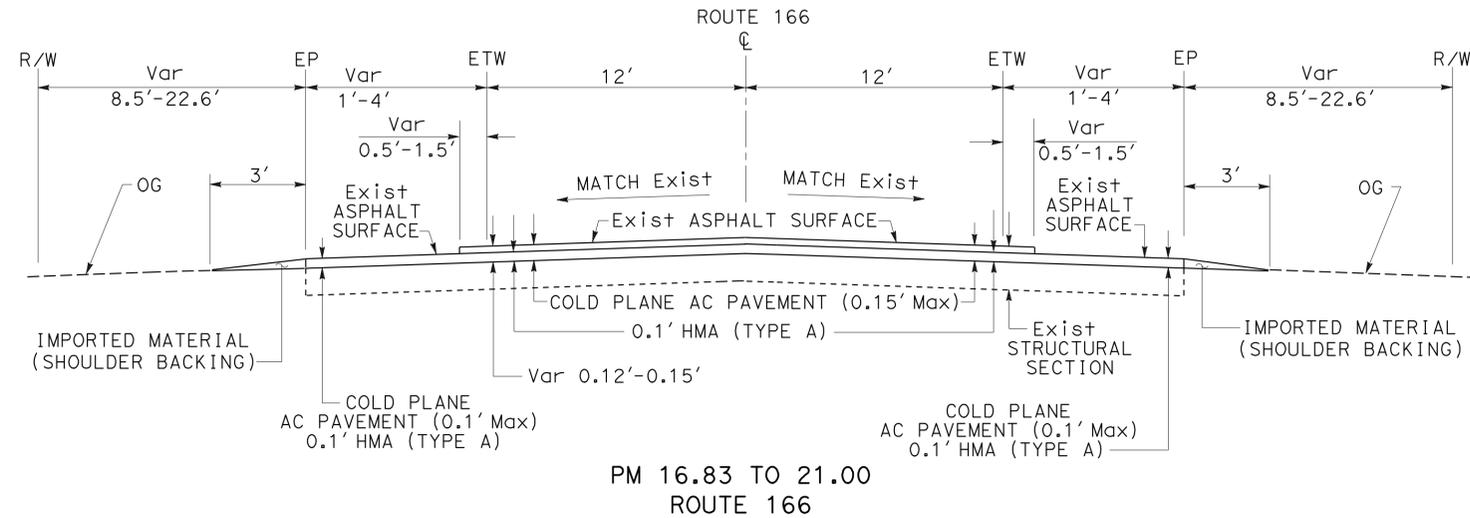
Charles S. Trenbeth 12-30-09
 REGISTERED CIVIL ENGINEER DATE
 1-19-10
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 C.S. TRENBETH
 No. C68937
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA

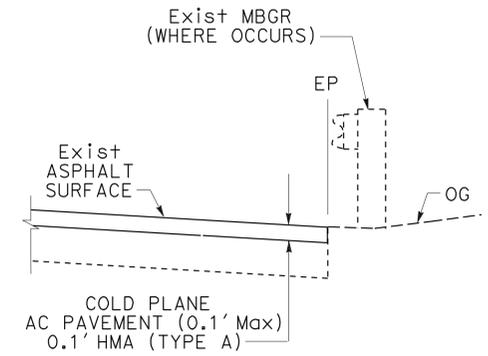
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

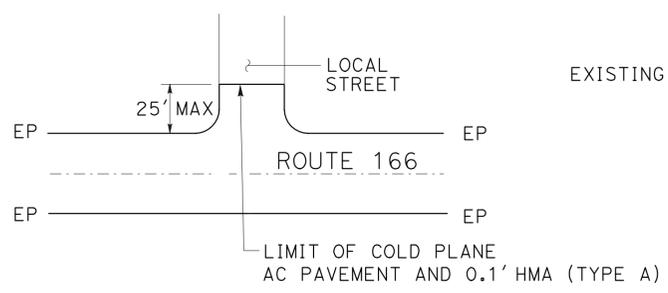
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. HMA (TYPE A) SHALL NOT BE PLACED ON PCC CURB, GUTTER, DRAINAGE INLET APRONS, PCC STRUCTURES, OR UTILITY COVERS.
4. ASPHALTIC EMULSION (FOG SEAL COAT) SHALL BE PLACED ON EXISTING HMA DIKE AND OVERSIDE DRAINS.
5. FOR COMPLETE R/W AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



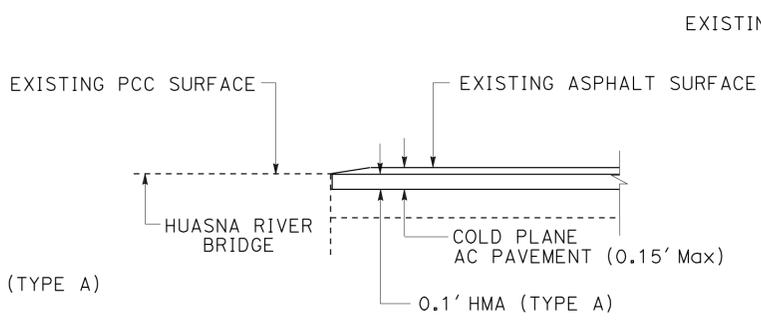
DETAIL AT AC DIKE AREA
VARIOUS LOCATIONS



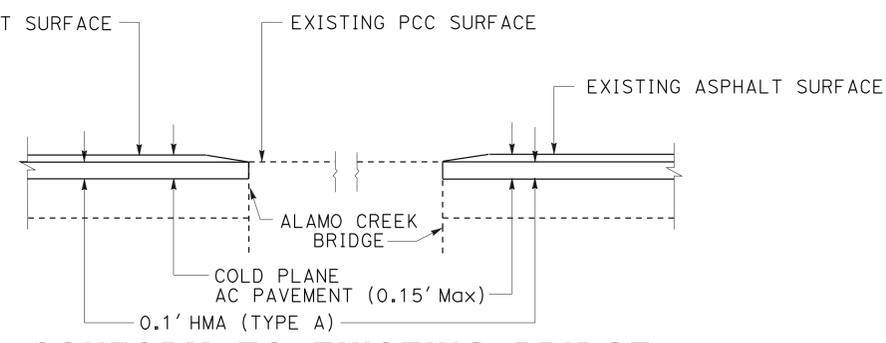
DETAIL AT GUARDRAIL
VARIOUS LOCATIONS



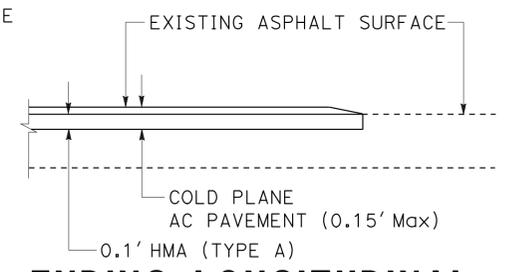
INTERSECTION CONNECTION
PM 17.25



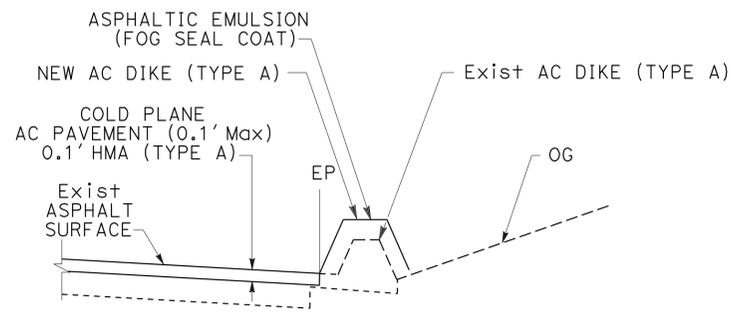
BEGINNING LONGITUDINAL CONFORM
PM 16.83



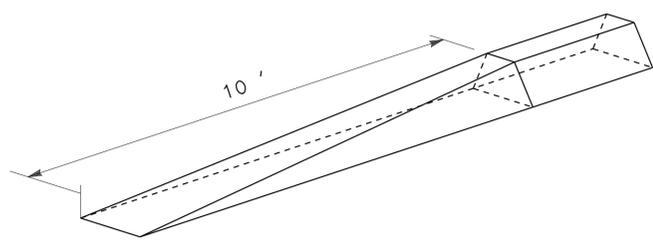
CONFORM TO EXISTING BRIDGE
PM 17.78



ENDING LONGITUDINAL CONFORM
PM 21.00



PLACE HOT MIX ASPHALT DIKE (TYPE A)
VARIOUS LOCATIONS



HOT MIX ASPHALT DIKE (TYPE A) TRANSITION
PLACE HOT MIX ASPHALT DIKE (TYPE A)
VARIOUS LOCATIONS

TYPICAL CROSS SECTIONS AND CONSTRUCTION DETAILS
NO SCALE
X-1

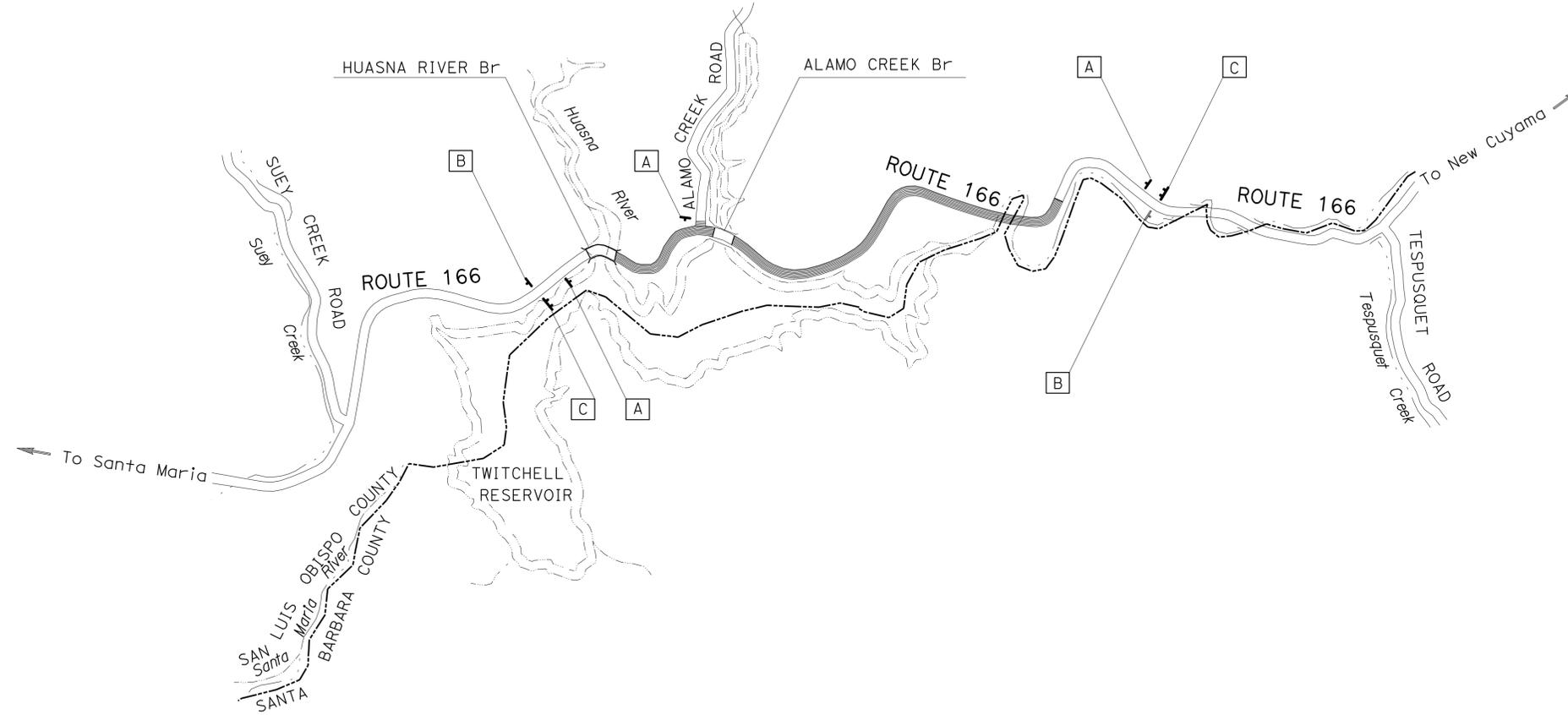
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	166	16.8/21.0	3	7

Charles S. Trenbeth 12-30-09
 REGISTERED CIVIL ENGINEER DATE
 1-19-10
 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.

NOTE:

1. THE EXACT LOCATION AND POSITION OF SIGNS WILL BE DETERMINED BY THE ENGINEER.



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
A	W20-1	48" x 48"	ROAD WORK AHEAD	1-4" x 6"	3
B	G20-2	48" x 24"	END ROAD WORK	1-4" x 4"	2
C	S-11 (Special)	42" x 84"	ROAD CONSTRUCTION EXPECT DELAYS ___ AM TO ___ PM Date__ TO Date__	2-4" x 6"	2

**CONSTRUCTION AREA SIGNS
NO SCALE
CS-1**

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR
 KELLY J. McCLAIN
 CALCULATED-DESIGNED BY
 CHECKED BY
 CHARLES S. TRENBETH
 KELLY J. McCLAIN
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	166	16.8/21.0	4	7

12-30-09
 REGISTERED CIVIL ENGINEER DATE
 1-19-10
 PLANS APPROVAL DATE

C.S. TRENBETH
 No. C68937
 Exp. 12-31-11
 CIVIL

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ROADWAY QUANTITIES

LOCATION FROM PM 16.83 TO 21.0	COLD PLANE AC PAVEMENT	TACK COAT	HOT MIX ASPHALT (TYPE A)		PLACE HMA DIKE (TYPE A)	ASPHALTIC EMULSION (FOG SEAL COAT)	IMPORTED MATERIAL (SHOULDER BACKING)
	SQYD	TON	AC DIKE	HMA-(TYPE A)	LF	TON	TON
SUBTOTAL			26.1	4776			
TOTAL	68,286	31.2	4802.1		26,030 *	5	55

* SHOWN ON HOT MIX ASPHALT DIKE TABLE

HOT MIX ASPHALT DIKE

LOCATION	PLACE HMA DIKE (TYPE A)	HMA (TYPE A)
	LF	TON
EB-PM 16.78 TO 16.82	215	0.215
EB-PM 16.89 TO 17.00	580	0.58
EB-PM 17.19 TO 17.34	790	0.79
EB-PM 17.40 TO 17.49	480	0.48
EB-PM 17.54 TO 17.72	950	0.95
EB-PM 17.87 TO 18.12	1330	1.33
EB-PM 18.14 TO 18.24	535	0.535
EB-PM 18.55 TO 18.68	690	0.69
EB-PM 18.78 TO 19.10	1690	1.69
EB-PM 19.18 TO 19.20	120	0.12
EB-PM 19.30 TO 19.40	530	0.53
EB-PM 19.51 TO 19.62	580	0.58
EB-PM 19.78 TO 19.85	380	0.38
EB-PM 19.93 TO 19.97	220	0.22
EB-PM 20.27 TO 20.90	3340	3.34
WB-PM 20.91 TO 20.43	2530	2.53
WB-PM 20.40 TO 20.05	1860	1.86
WB-PM 19.94 TO 19.83	600	0.60
WB-PM 19.80 TO 19.71	485	0.485
WB-PM 19.22 TO 19.08	750	0.75
WB-PM 18.93 TO 18.78	800	0.80
WB-PM 18.65 TO 18.36	1540	1.54
WB-PM 18.35 TO 17.83	2755	2.755
WB-PM 17.63 TO 17.49	750	0.75
WB-PM 17.16 TO 16.99	900	0.90
EB-PM 16.87 TO 16.75	630	0.63
TOTAL	26,030	26.1

NOTE:

PLACE HOT MIX ASPHALT DIKE OVER EXISTING LOW ASPHALT CONCRETE DIKE. EXACT LOCATION DETERMINED BY THE ENGINEER.

PAVEMENT DELINEATION QUANTITIES

LOCATION	DETAIL No.	PAVEMENT MARKER (RETROREFLECTIVE)		4" THERMOPLASTIC TRAFFIC STRIPE		4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)
		TYPE D	TYPE H	WHITE	YELLOW	YELLOW
		EA		LF		LF
FROM PM 16.83 TO 21.00	DETAIL 6	28				1162
	DETAIL 19	48	94		2218	2218
	DETAIL 22	1596			38,122	
	DETAIL 27B			44,036		
SUBTOTAL		1672	94			
TOTAL		1766		84,376		3380

THERMOPLASTIC PAVEMENT MARKING

LOCATION FROM PM 16.83 TO 21.0	DETAIL No. OR PAVEMENT MARKING	THERMOPLASTIC PAVEMENT MARKING
		SQFT
	STOP	22
	LIMIT LINE	55
TOTAL		77

SUMMARY OF QUANTITIES Q-1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	166	16.8/21.0	5	7

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

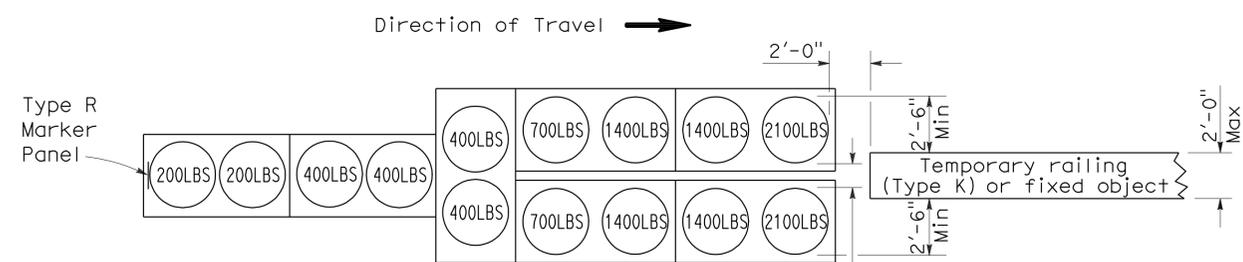
June 6, 2008
PLANS APPROVAL DATE

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

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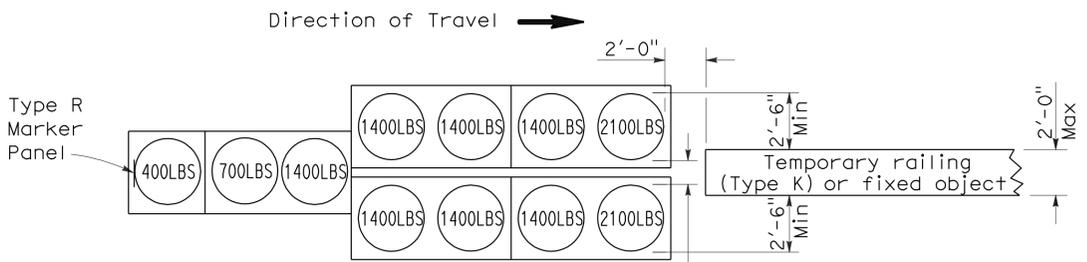
To accompany plans dated 1-19-10

2006 REVISED STANDARD PLAN RSP T1A



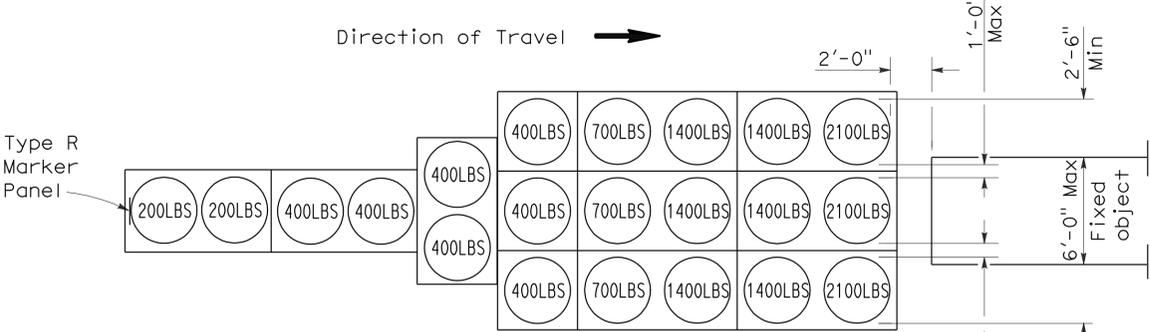
ARRAY 'TU14'

Approach speed 45 mph or more



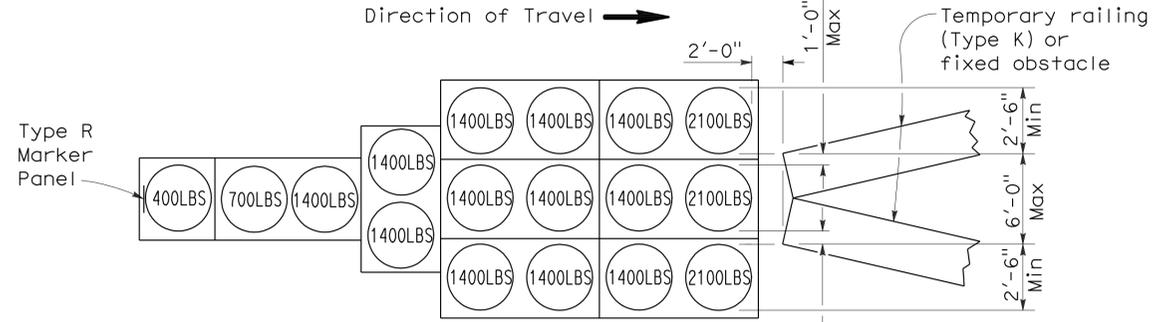
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more

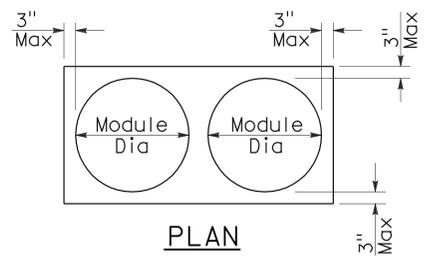


ARRAY 'TU17'

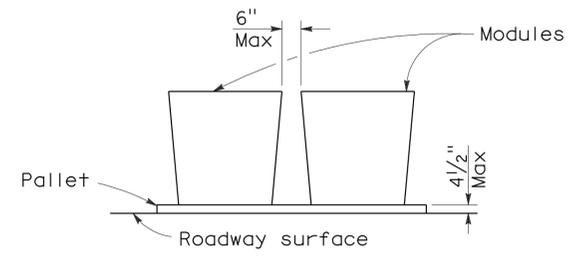
Approach speed less than 45 mph

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.



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	166	16.8/21.0	6	7

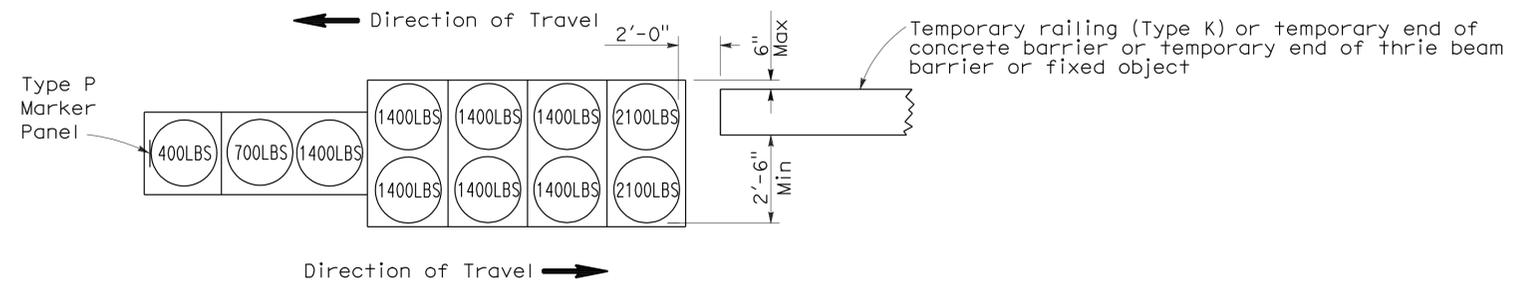
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

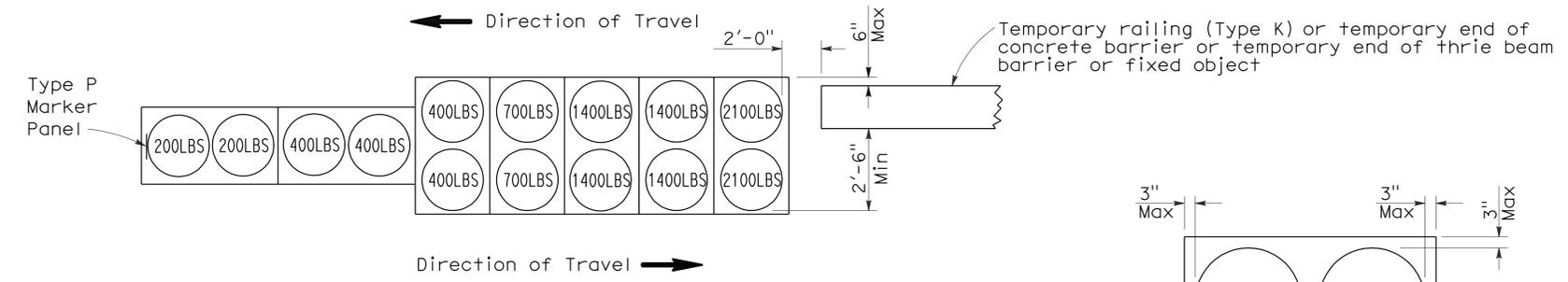
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To accompany plans dated 1-19-10



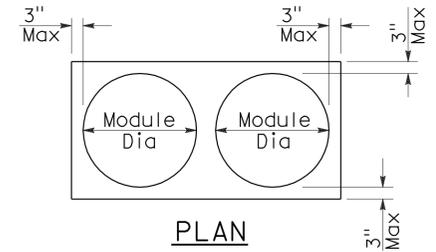
ARRAY 'TB11'

Approach speed less than 45 mph

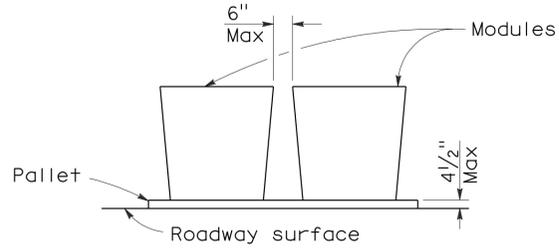


ARRAY 'TB14'

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SLO	166	16.8/21.0	7	7

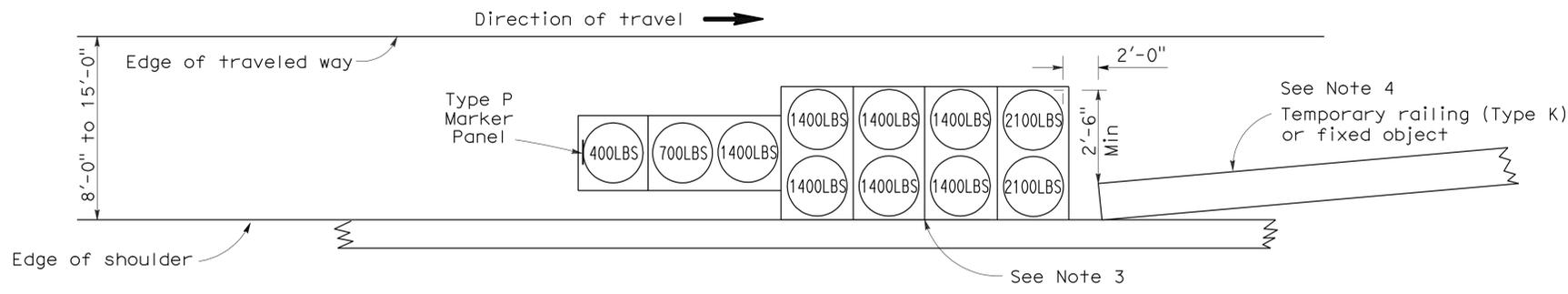
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

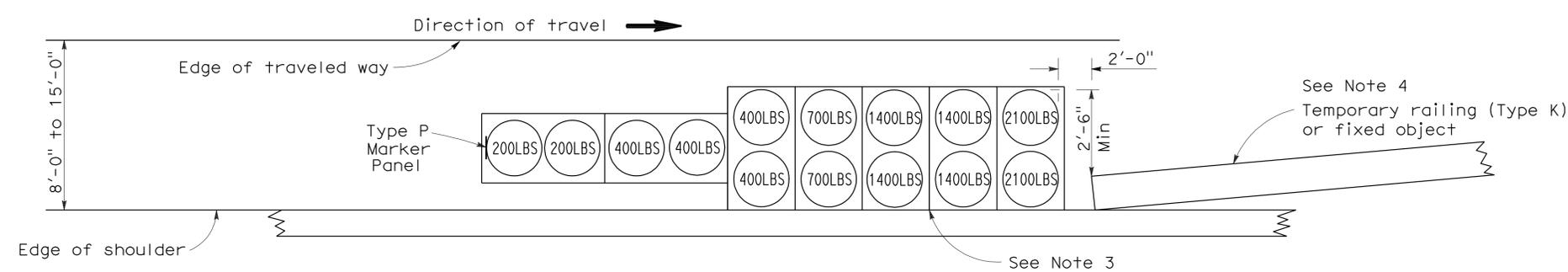
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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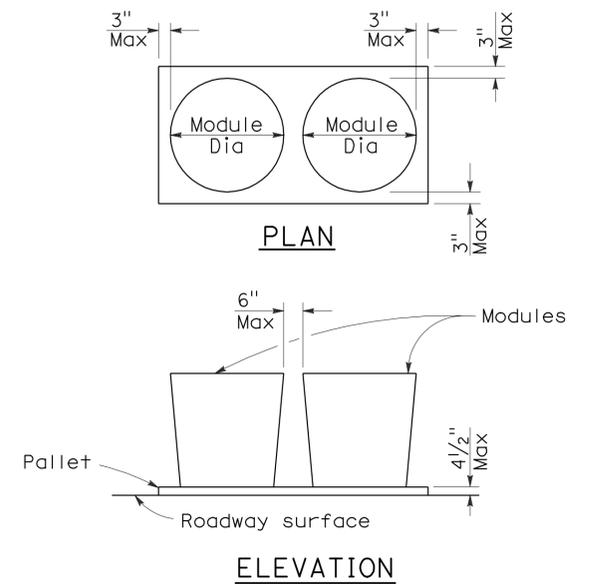
To accompany plans dated 1-19-10



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