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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 STANISLAUS COUNTY
ABOUT 5 MILES EAST OF FARMINGTON
FROM SAN JOAQUIN COUNTY LINE
TO CALAVERAS COUNTY LINE

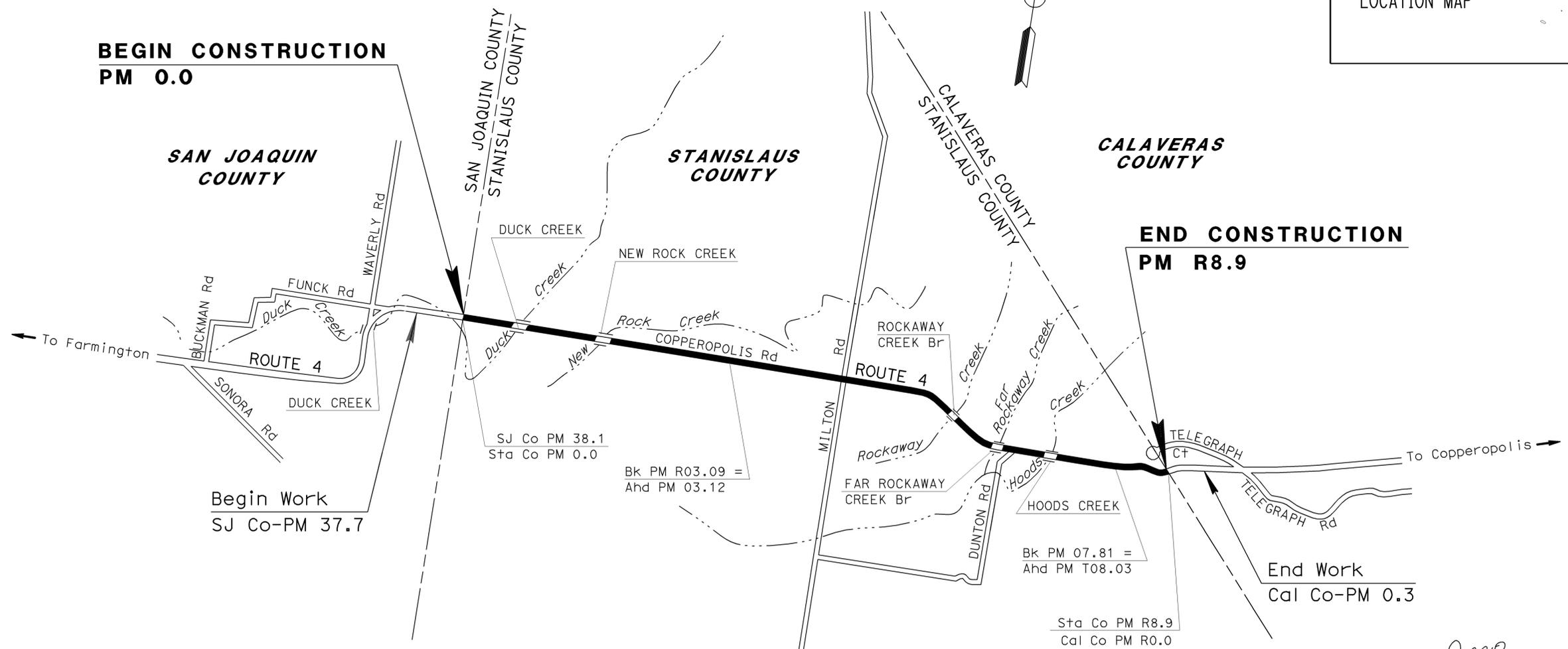
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Sta	4	0.0/R8.9	1	8





LOCATION MAP



PROJECT MANAGER	ALVIN MANGINDIN
DESIGN ENGINEER	ALVIN MANGINDIN

 5/8/09
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
February 22, 2010
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JOSE A. ALICEA II
 No. 64817
 Exp. 6/30/11
 CIVIL
 STATE OF CALIFORNIA

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

CONTRACT No. **10-OS5504**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE

FUNCTIONAL SUPERVISOR: ALVIN MANGINDIN
 CHECKED BY: THOA HUYNH
 DESIGNED BY: JOSE A ALICEA II
 REVISIONS: JAA 10/05/09

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. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS
4. FOR COLD PLANE AC PAVEMENT DIMENSIONS AND LOCATIONS, SEE SUMMARY OF QUANTITIES.

ABBREVIATIONS

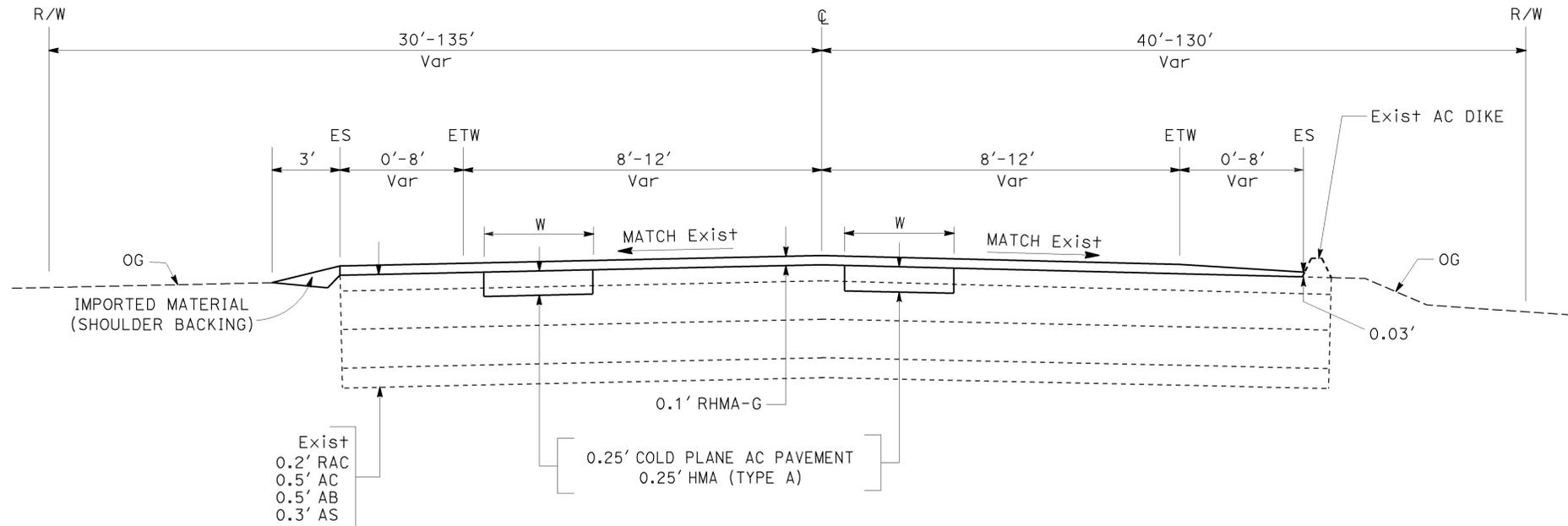
- RHMA-G - RUBBERIZED HOT MIX ASPHALT (GAP GRADED)
 RAC - RUBBERIZED ASPHALT CONCRETE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Sta	4	0.0/R8.9	2	8

JA Alicea II 5/8/09
 REGISTERED CIVIL ENGINEER DATE
 2/22/10
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 JOSE A. ALICEA II
 No. 64817
 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 SCANNED COPIES OF THIS PLAN SHEET.



PM 0.0/R8.9
ROUTE 4

TYPICAL CROSS SECTIONS

NO SCALE

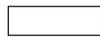
X-1

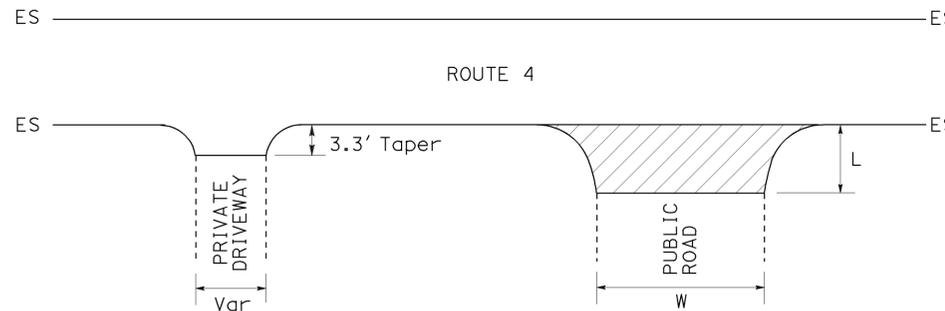


ABBREVIATIONS

RHMA-G - RUBBERIZED HOT MIX ASPHALT (GAP GRADED)

LEGEND

-  - RHMA-G
-  - COLD PLANE AC PAVEMENT
-  - COLD PLANE AC PAVEMENT HMA (TYPE A)
-  - COLD PLANE AC PAVEMENT HMA (TYPE A)
-  - COLD PLANE AC PAVEMENT RHMA-G

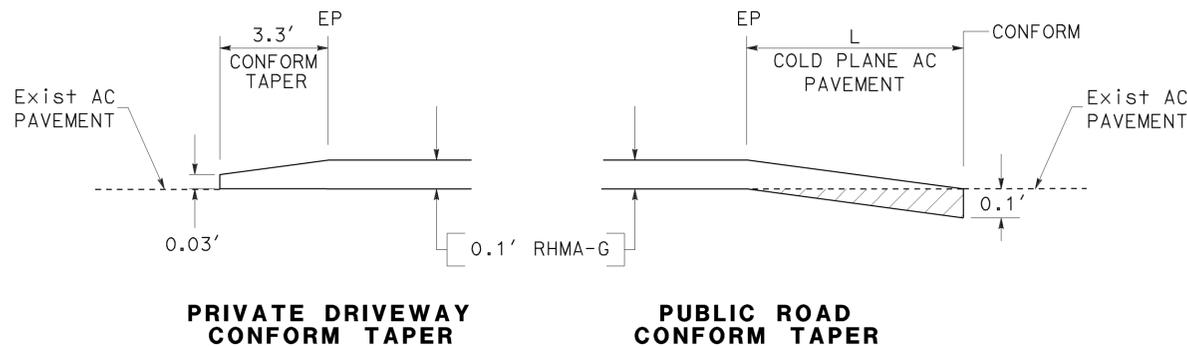


PAVING LIMITS AT PRIVATE DRIVEWAYS AND PUBLIC ROAD INTERSECTIONS

SEE PUBLIC ROAD AND PRIVATE DRIVEWAY INTERSECTIONS TABLES

TABLE OF BRIDGES

PM	BRIDGE NAME	BRIDGE No.
0.9	DUCK CREEK BRIDGE	38-0039
R1.7	NEW ROCK CREEK BRIDGE	39-0040
6.3	ROCKAWAY CREEK BRIDGE	—
6.7	FAR ROCKAWAY CREEK BRIDGE	—
7.3	HOODS CREEK BRIDGE	38-0041



PRIVATE DRIVEWAY CONFORM TAPER

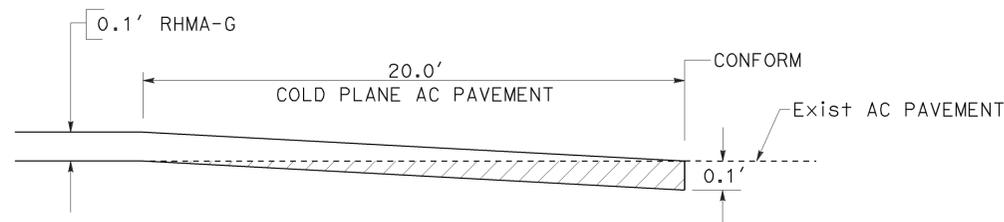
PUBLIC ROAD CONFORM TAPER

PRIVATE DRIVEWAY INTERSECTIONS

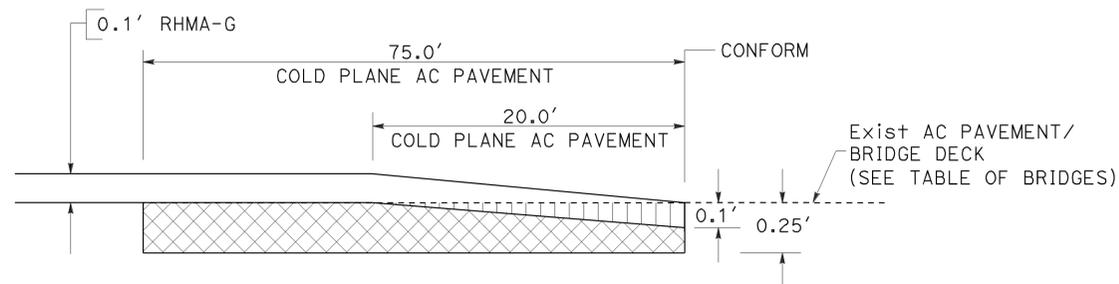
PM	SIDE	PM	SIDE
0.9	R+	5.0	R+
R1.1	L+	5.5	L+
R1.6	BOTH	5.7	BOTH
R1.7	BOTH	5.7	R+
R2.0	R+	6.4	R+
R2.5	L+	8.0	R+
R3.0	BOTH		

PUBLIC ROAD INTERSECTIONS

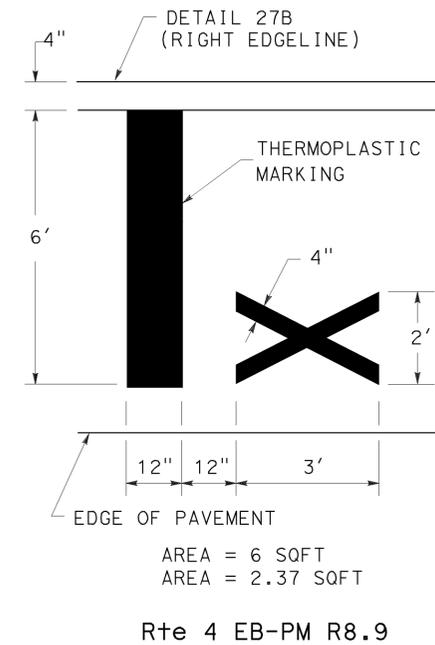
PM	SIDE	ROAD NAME	L	W
			F+	F+
4.5	R+	MILTON ROAD	35	20
4.5	L+	MILTON ROAD	35	20
6.7	R+	DUNTON ROAD	30	70



LONGITUDINAL CONFORM TAPER FOR EXISTING PAVEMENT



LONGITUDINAL CONFORM TAPER FOR APPROACH/DEPARTURE BRIDGE DECK



AIRCRAFT PATROL THERMOPLASTIC PAVEMENT MARKING DETAILS

NOTE: ALL MARKINGS FOR THIS DETAIL SHALL BE WHITE.

CONSTRUCTION DETAILS

NO SCALE

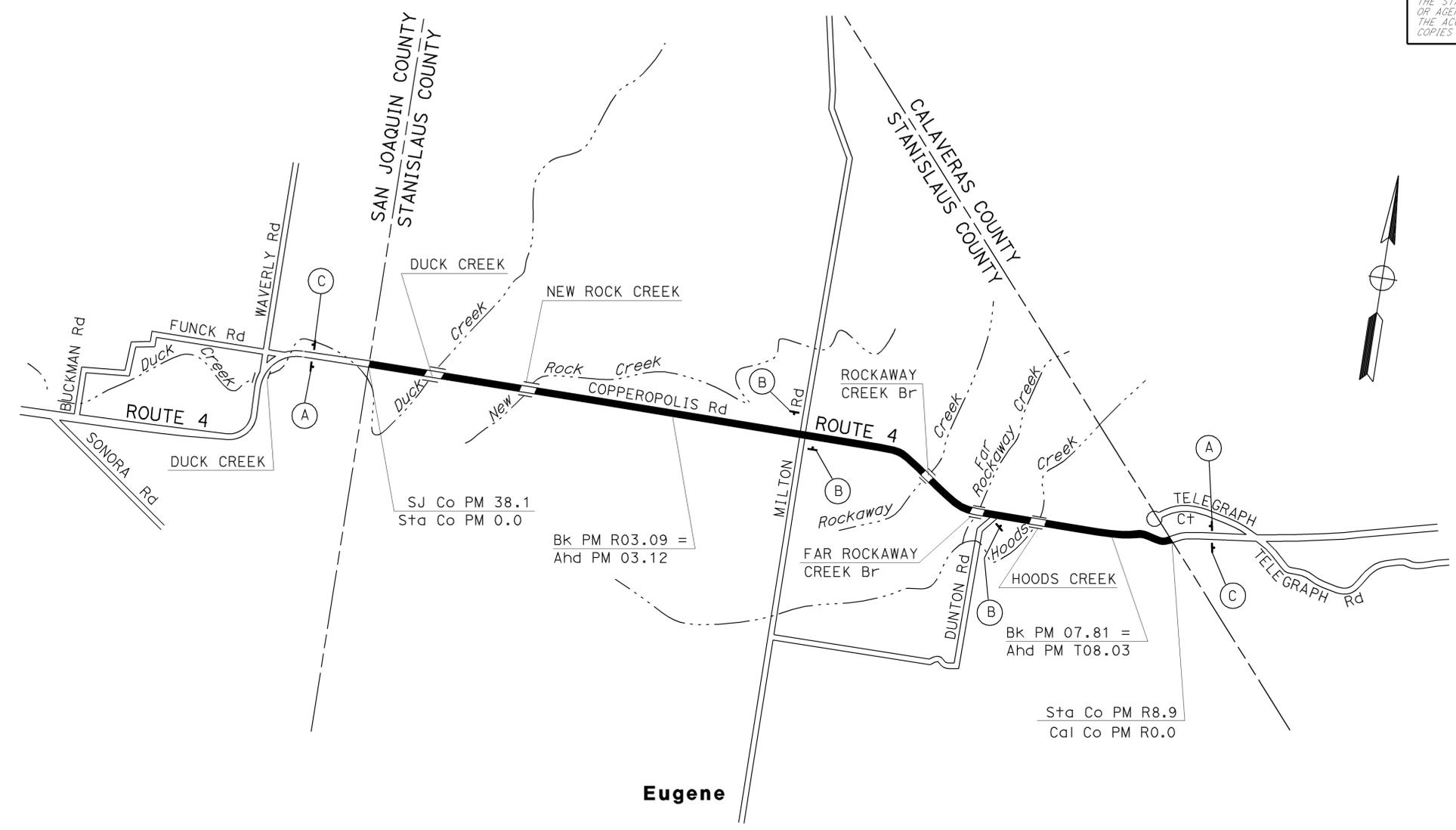
C-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Sta	4	0.0/R8.9	4	8

JAALICEA II 5/8/09
 REGISTERED CIVIL ENGINEER DATE
 2/22/10
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 JOSE A. ALICEA II
 No. 64817
 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 SCANNED COPIES OF THIS PLAN SHEET.



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	PANEL SIZE	No. OF POSTS AND SIZE	No. OF SIGNS	SIGN MESSAGE
(A)	G20-1	60" x 36"	1 - 6" x 6"	2	ROAD WORK NEXT 9 MILES
(B)	W20-1	30" x 30"	1 - 4" x 4"	3	ROAD WORK AHEAD
(C)	G20-2	36" x 18"	1 - 4" x 4"	2	END ROAD WORK

NOTE: EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

CONSTRUCTION AREA SIGNS
NO SCALE
CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE
 FUNCTIONAL SUPERVISOR ALVIN MANGINDIN
 CHECKED BY
 CALCULATED-DESIGNED BY
 JOSE A ALICEA II THOA HUYNH
 REVISED BY DATE REVISED
 JAA 10/05/09

LAST REVISION | DATE PLOTTED => 26-FEB-2010
 00-00-00 TIME PLOTTED => 10:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Sta	4	0.0/R8.9	5	8

REGISTERED CIVIL ENGINEER: JOSE A. ALICEA II
 No. 64817
 Exp. 6/30/11
 CIVIL

DATE: 5/8/09
 PLANS APPROVAL DATE: 2/22/10

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.

ABBREVIATION

RHMA-G - RUBBERIZED HOT MIX ASPHALT (GAP GRADED)

NOTES:
 1. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
 2. * - TOTAL INCLUDED IN ROADWAY ITEMS TABLE

**COLD PLANE AC PAVEMENT/HMA (TYPE A)
(TRAVEL LANES)**

LOCATION		LENGTH (N)	WIDTH (N)	DEPTH (N)	COLD PLANE AC Pvm†	HMA (TYPE A)
PM/PM	SIDE	F†	F†	F†	SQYD	TON
0.90 / 0.90	WB	150	24	0.25	400	67
R1.7 / R1.7	WB	150	24	0.25	400	67
2.00 / 2.05	BOTH	334	12	0.25	445	75
2.88 / 2.90	BOTH	105	12	0.25	140	24
6.3 / 6.3	BOTH	150	24	0.25	400	67
6.7 / 6.7	BOTH	150	24	0.25	400	67
7.3 / 7.3	BOTH	150	24	0.25	400	67
TOTAL					2585*	434

**COLD PLANE AC PAVEMENT/RHMA
(CONFORM TAPERS)**

LOCATION		LENGTH (N)	WIDTH (N)	DEPTH (N)	COLD PLANE AC Pvm†	RHMA-G		
PM	SIDE	F†	F†	F†	SQYD	TON		
0.0		ROUTE 4 (BEGIN CONSTRUCTION)		20	24	0.1	53	4
0.9		DUCK CREEK BRIDGE		40	24	0.1	107	7
R1.7		NEW ROCK CREEK BRIDGE		40	24	0.1	107	7
4.5	R†	MILTON ROAD		30	27	0.1	90	6
4.5	L†	MILTON ROAD		28	28	0.1	88	6
6.3		ROCKAWAY CREEK BRIDGE		40	24	0.1	107	7
6.7		FAR ROCKAWAY CREEK BRIDGE		40	24	0.1	107	7
6.7	R†	DUNTON ROAD		24	70	0.1	187	12
7.3	L†	HOODS CREEK BRIDGE		40	24	0.1	107	7
R8.9	R†	ROUTE 4 (END CONSTRUCTION)		20	40	0.1	89	6
TOTAL					1043*	69*		

ROADWAY ITEMS

LOCATION	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TACK COAT	IMPORTED MATERIAL (SHOULDER BACKING)	COLD PLANE AC PAVEMENT
	TON			SQYD
PM 0.0/R8.9	9831	60	2740	2585
CONFORM TAPERS	69	1		1043
TOTAL	9900	61	2740	3628

PAVEMENT DELINEATION ITEMS

LOCATION	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)				REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	THERMOPLASTIC PAVEMENT MARKING			PAVEMENT MARKER					REMOVE PAVEMENT MARKERS (N)	
	4" WHITE		4" YELLOW			STOP	LIMIT LINE	AIRCRAFT PATROL	(NON-REFLECTIVE)		(RETROREFLECTIVE)				
	Det 27B	Det 27C	Det 6	Det 19					Det 22	TYPE AY	TYPE D		TYPE H		
PM 0.0/R8.9	94,618	325	6917	12,302	28,190	66	71	9	2369	150	269	11,746	526	945	
TOTAL	114,162				28,190	146			2369	12,691					EA

**SUMMARY OF QUANTITIES
Q-1**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Sta	4	0.0/R8.9	6	8

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

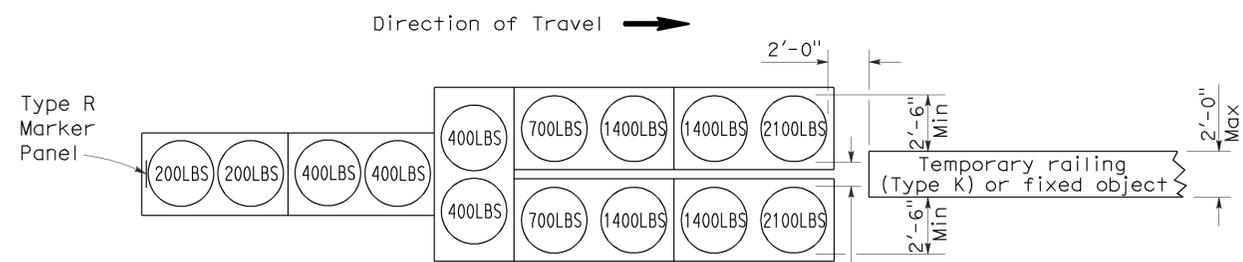
June 6, 2008
PLANS APPROVAL DATE

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

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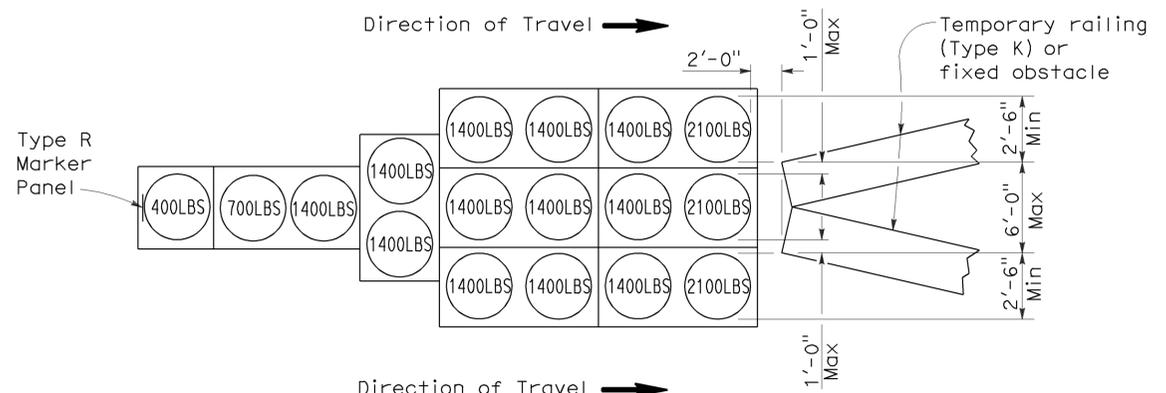
To accompany plans dated 2/22/10

2006 REVISED STANDARD PLAN RSP T1A



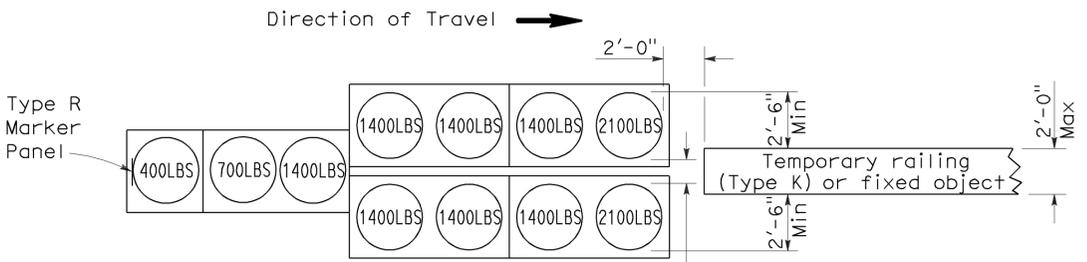
ARRAY 'TU14'

Approach speed 45 mph or more



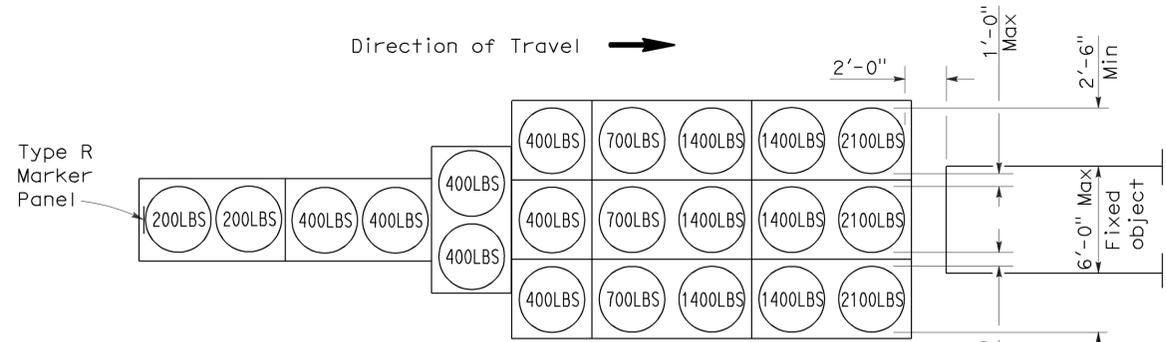
ARRAY 'TU17'

Approach speed less than 45 mph



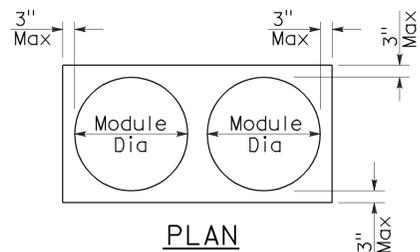
ARRAY 'TU11'

Approach speed less than 45 mph

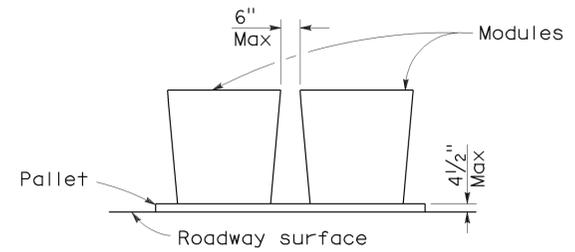


ARRAY 'TU21'

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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Sta	4	0.0/R8.9	7	8

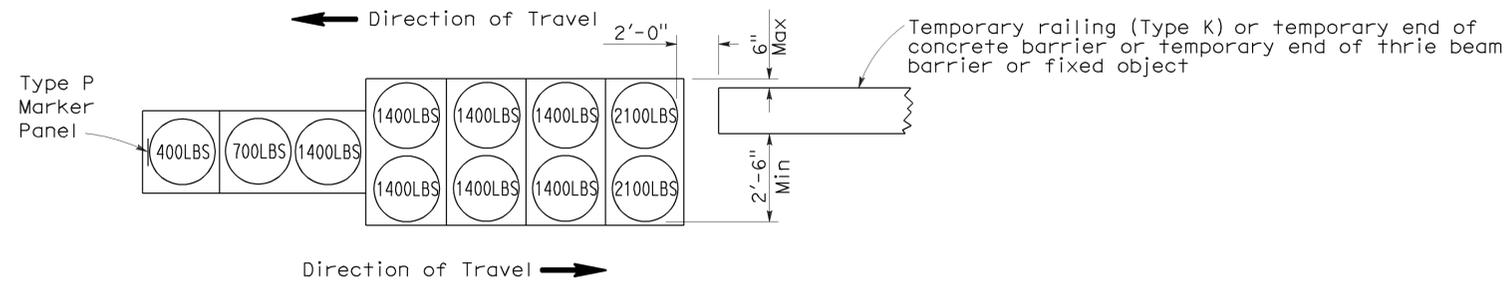
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

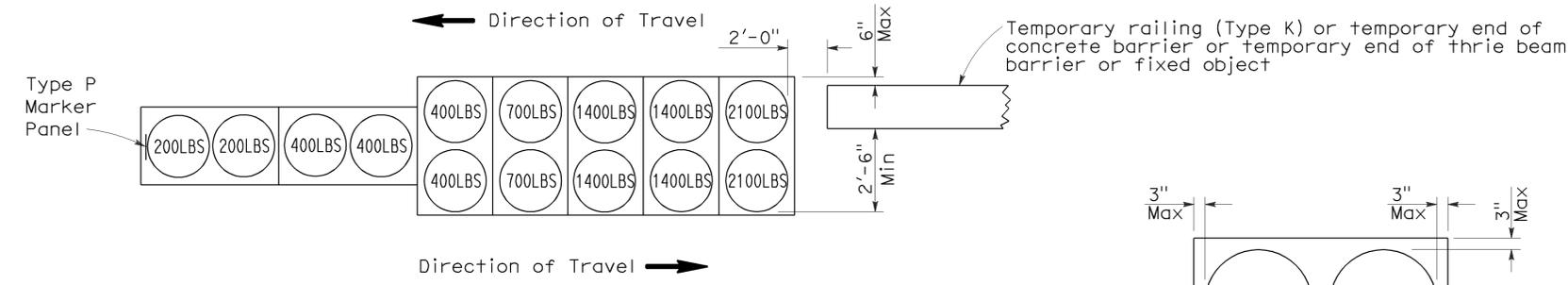
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To accompany plans dated 2/22/10



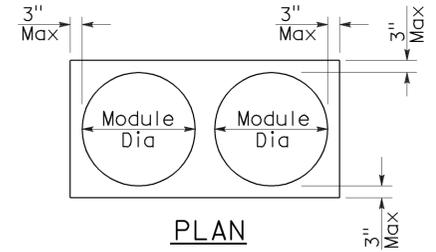
ARRAY 'TB11'

Approach speed less than 45 mph

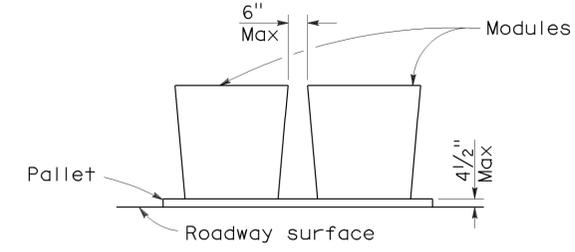


ARRAY 'TB14'

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
10	Sta	4	0.0/R8.9	8	8

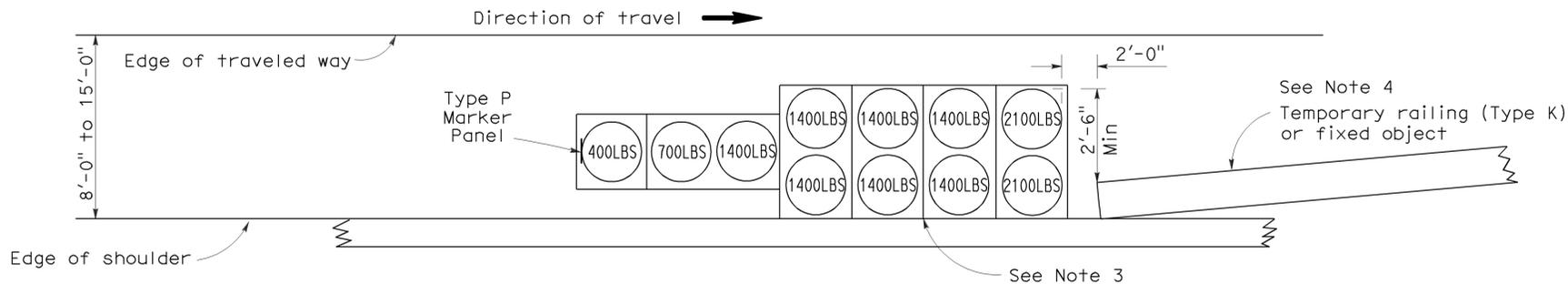
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

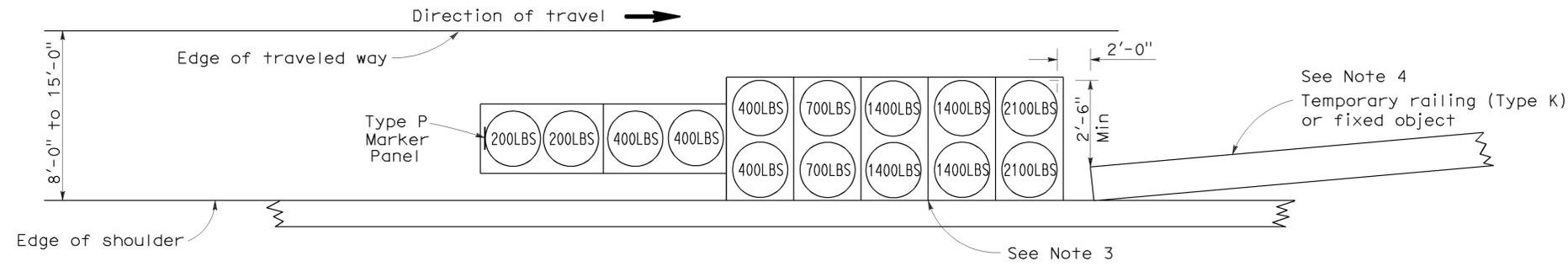
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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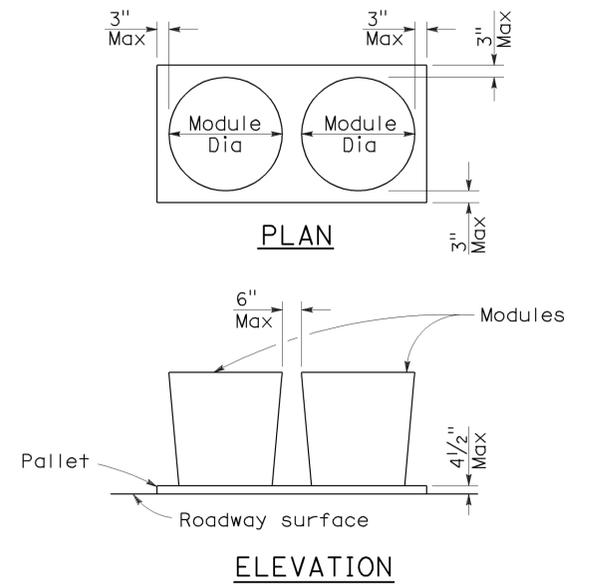
To accompany plans dated 2/22/10



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