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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
AT AND NEAR CRESTON
FROM ROUTE 58 TO ROUTE 41

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

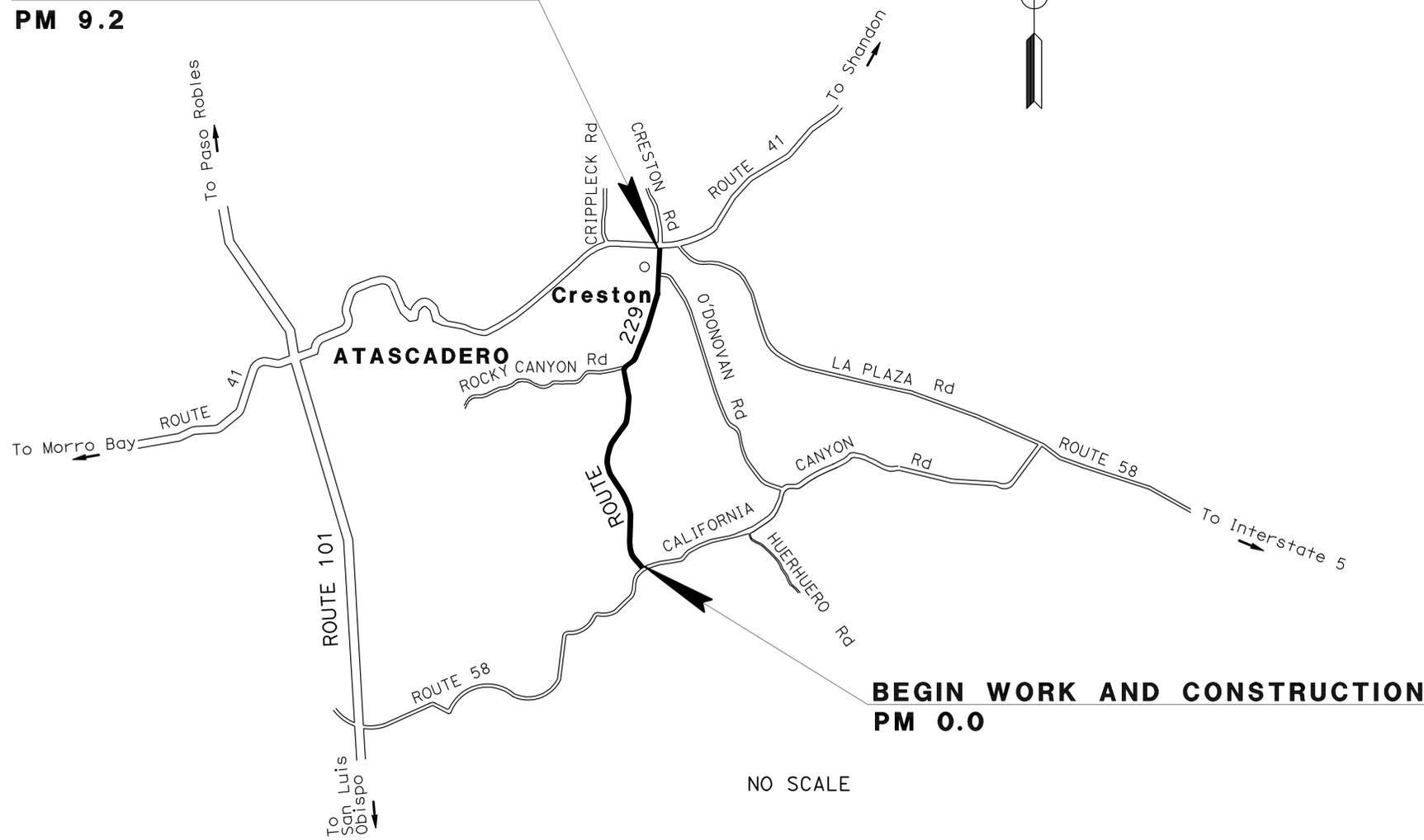
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	229	0.0/9.2	1	8





LOCATION MAP

END WORK AND CONSTRUCTION
PM 9.2



BEGIN WORK AND CONSTRUCTION
PM 0.0

NO SCALE

PROJECT MANAGER
KELLY McCLAIN
 DESIGN ENGINEER
KELLY McCLAIN

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

 11-18-09
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
January 4, 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-OS1504

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: KELLY McCLAIN
 CALCULATED-DESIGNED BY: ARMAN ASEFVAZIRI
 CHECKED BY: KELLY McCLAIN
 REVISED BY: AA
 DATE REVISED: 9/15/09

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.

ABBREVIATION:

PME = POLYMER MODIFIED EMULSION

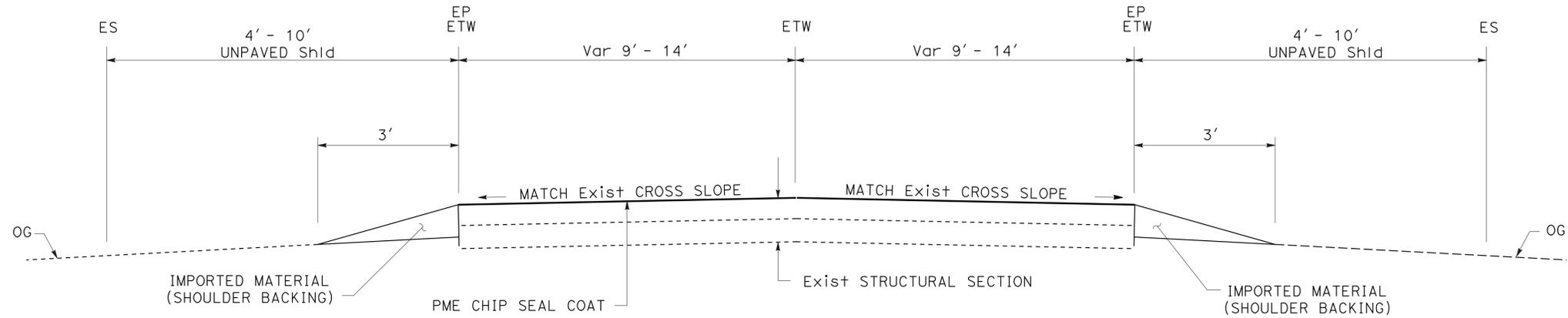
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	229	0.0/9.2	2	8

Arman Asefvaziri 11-18-09
 REGISTERED CIVIL ENGINEER DATE

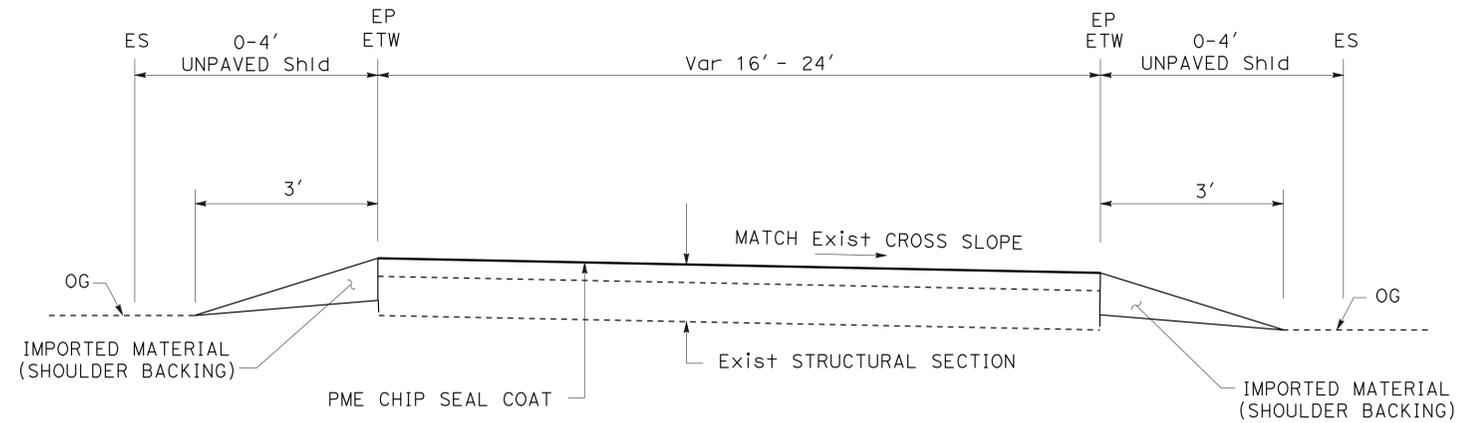
1-4-10
 PLANS APPROVAL DATE

Arman Asefvaziri
 No. 52047
 Exp. 12/31/10
 CIVIL

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 5.5 TO 9.2
ROUTE 229



PM 0.0 TO 5.5
ROUTE 229

TYPICAL CROSS SECTIONS

NO SCALE X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR
 KELLY McCLAIN

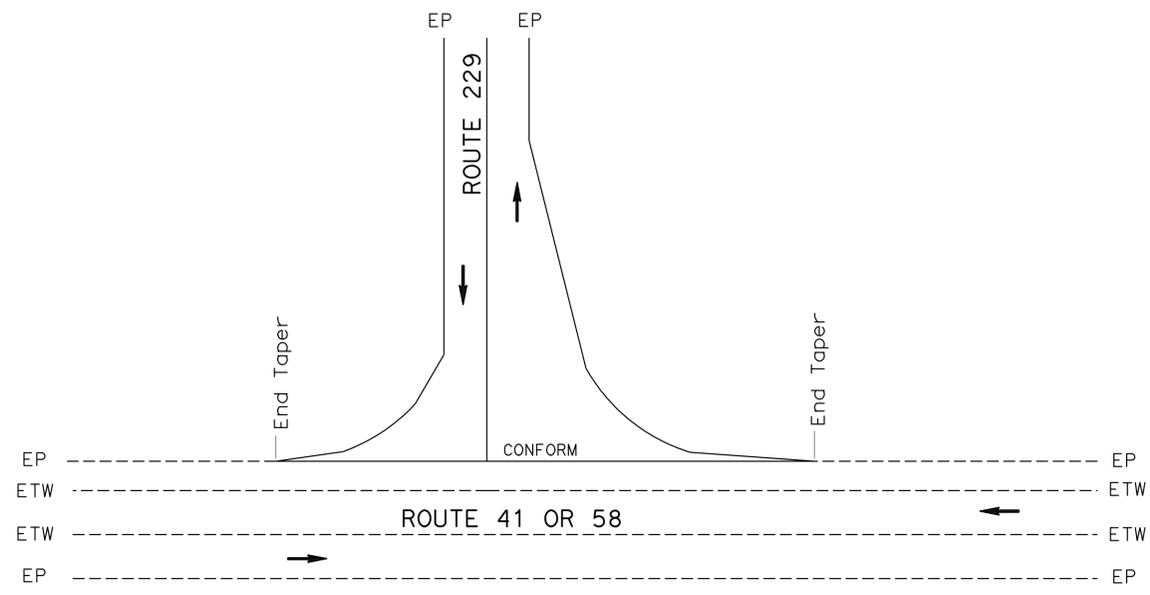
CALCULATED-DESIGNED BY
 CHECKED BY

ARMAN ASEFVAZIRI
 KELLY McCLAIN

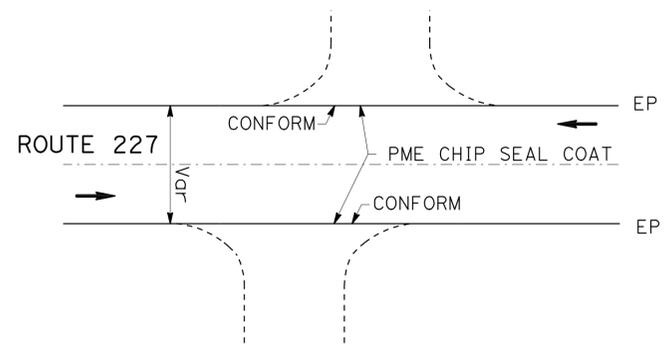
REVISED BY
 DATE REVISED

AA
 9/15/09

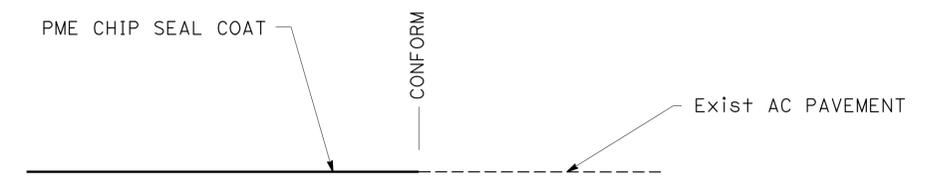
LEGEND:
 DIRECTION OF TRAFFIC
 EXISTING CONCRETE



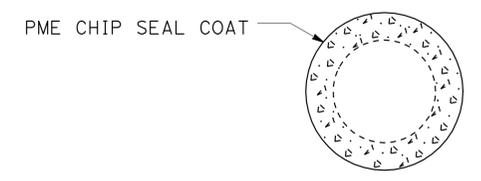
STATE ROUTE 41 OR 58 INTERSECTION



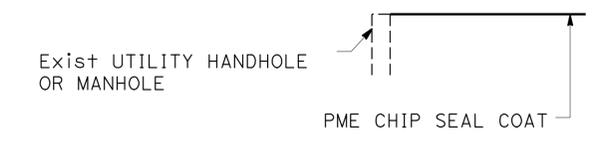
TYPICAL PUBLIC ROAD AND DRIVEWAY CONNECTION CONFORM



LONGITUDINAL CONFORM



**UTILITY MANHOLE OR HANDHOLE
 PLAN**



**TYPICAL UTILITY CONFORM
 PROFILE**

**CONSTRUCTION DETAILS
 NO SCALE
 C-1**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	229	0.0/9.2	3	8

REGISTERED CIVIL ENGINEER DATE 11-18-09
 1-4-10
 PLANS APPROVAL DATE
 No. 52047
 Exp. 12/31/10
 CIVIL
 STATE OF CALIFORNIA

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	229	0.0/9.2	4	8

Arman Asefvaziri 11-18-09
 REGISTERED CIVIL ENGINEER DATE

1-4-10
 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.

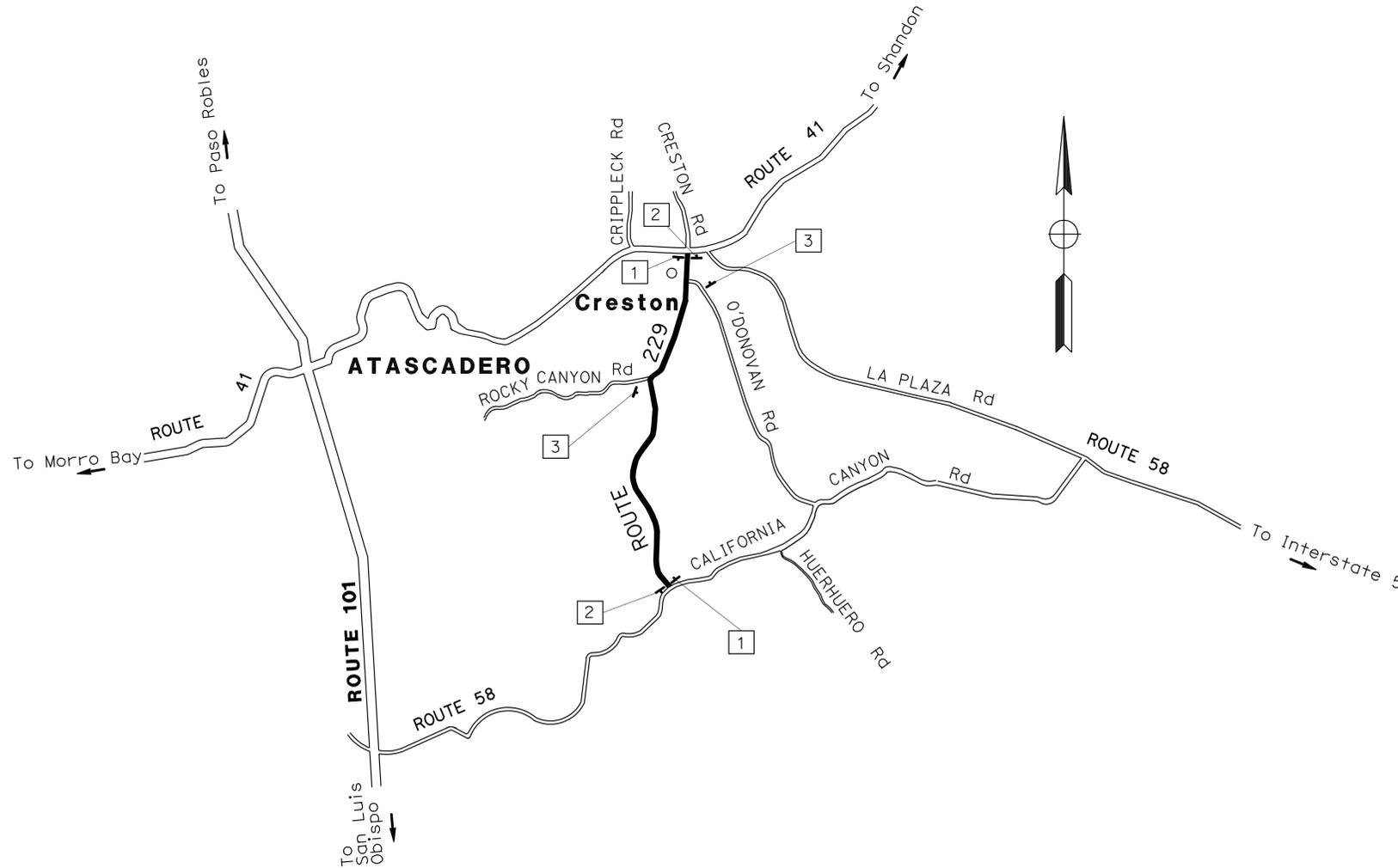
REGISTERED PROFESSIONAL ENGINEER
 Arman Asefvaziri
 No. 52047
 Exp. 12/31/10
 CIVIL
 STATE OF CALIFORNIA

NOTES:

- EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

**STATIONARY MOUNTED
CONSTRUCTION AREA SIGNS**

SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
1	G20-1	36" x 18"	ROAD WORK AHEAD NEXT — MILE	1 - 4" x 4"	2
2	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	2
3	W20-1	30" x 30"	ROAD WORK	1 - 4" x 4"	2
TOTAL					6



THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR
 KELLY McCLAIN
 CALCULATED-DESIGNED BY
 ARMAN ASEFVAZIRI
 CHECKED BY
 KELLY McCLAIN
 REVISED BY
 AA
 DATE REVISED
 9/15/09

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SLO	229	0.0/9.2	5	8

11-18-09
 REGISTERED CIVIL ENGINEER DATE
 Arman Asefvaziri
 No. 52047
 Exp. 12/31/10
 CIVIL
 1-4-10
 PLANS APPROVAL DATE
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ROADWORK SUMMARY

LIMIT	SAND COVER	ASPHALTIC EMULSION (FOG SEAL COAT)	ASPHALTIC EMULSION (POLYMER MODIFIED)	SCREENINGS (MEDIUM)	IMPORTED MATERIAL (SHOULDER BACKING)
PM	TON	TON	TON	TON	TON
0.0/9.2	185	23	180	1550	300
TOTAL	185	23	180	1550	300

REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)

LIMIT	4" THERMOPLASTIC TRAFFIC STRIPE		4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	
	DETAIL			
	19	22	6	19
PM	LF			
0.0/9.2	7360	7600	2360	1840
SUB TOTAL	14,960		4200	
TOTAL	19,160			

REMOVE THERMOPLASTIC TRAFFIC STRIPE

LIMIT	4" THERMOPLASTIC TRAFFIC STRIPE
	DETAIL
	27B
PM	LF
0.0/9.2	96,600
TOTAL	96,600

REMOVE THERMOPLASTIC PAVEMENT MARKING

LIMIT	STOP		AHEAD		LIMIT LINE
	EA (N)	SQFT	EA (N)	SQFT	
0.0/9.2	3	66	1	31	18
TOTAL	115				

TRAFFIC STRIPE AND PAVEMENT MARKERS

LIMIT	4" THERMOPLASTIC TRAFFIC STRIPE			4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)		PAVEMENT MARKER (RETROREFLECTIVE)	
	DETAIL					TYPE	
	19	22	27B	6	19	D	H
PM	LF			LF		EA	
0.0/9.2	8080	1900	96,600	9450	2020	415	345
TOTAL	106,580			11,470		760	

THERMOPLASTIC PAVEMENT MARKING

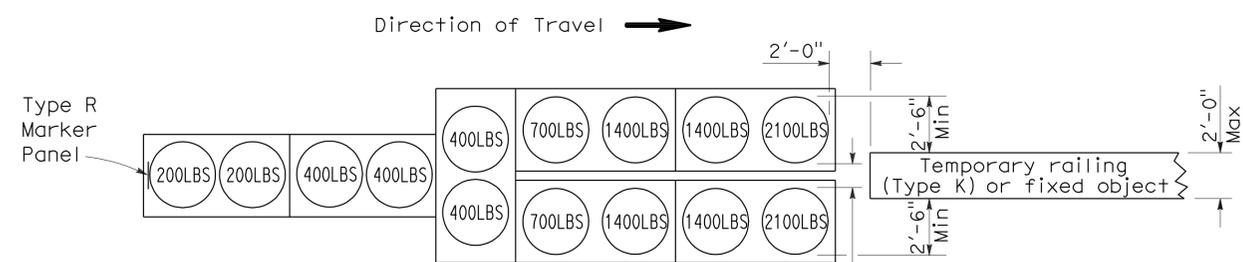
LIMIT	STOP		AHEAD		LIMIT LINE
	EA (N)	SQFT	EA (N)	SQFT	
0.0/9.2	3	66	1	31	18
TOTAL	115				

SUMMARY OF QUANTITIES

NO SCALE **Q-1**

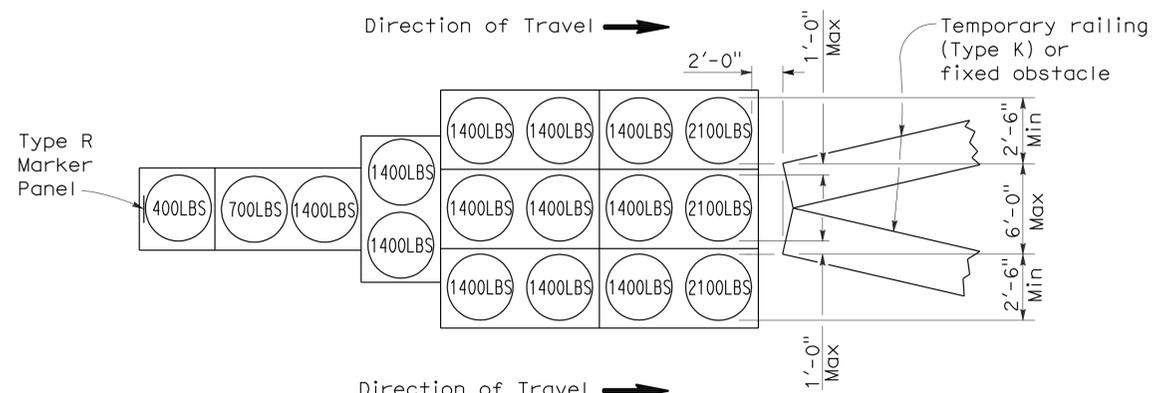
To accompany plans dated 1-4-10

2006 REVISED STANDARD PLAN RSP T1A



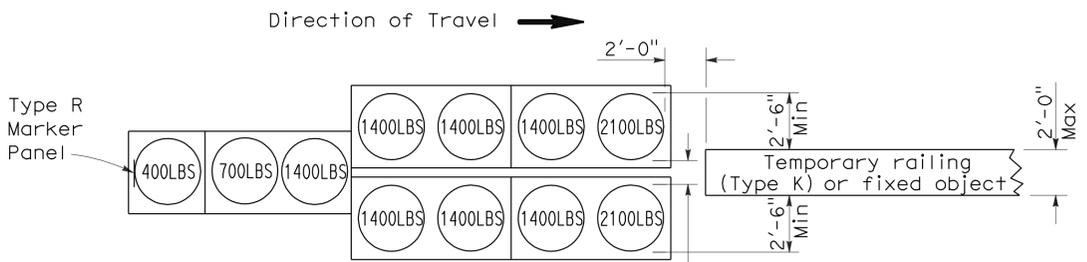
ARRAY 'TU14'

Approach speed 45 mph or more



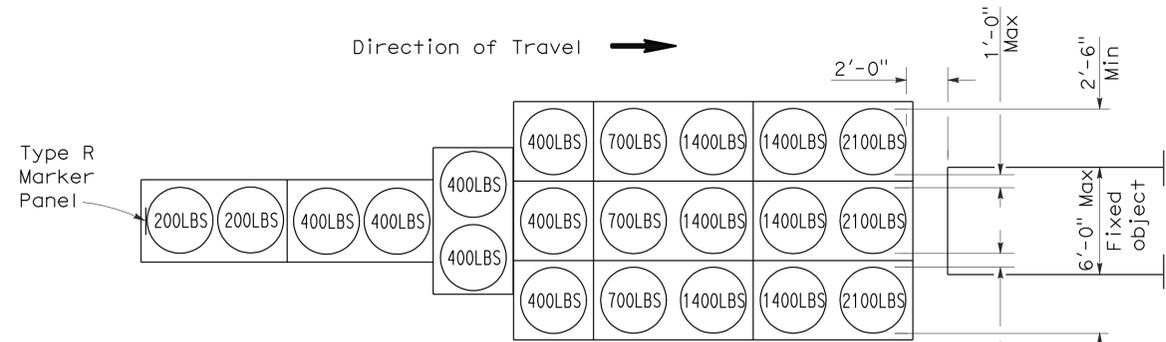
ARRAY 'TU17'

Approach speed less than 45 mph



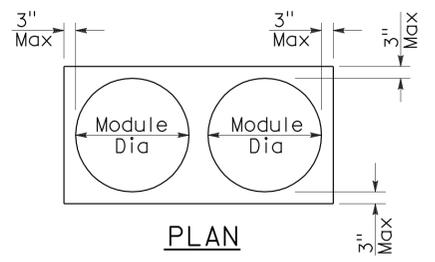
ARRAY 'TU11'

Approach speed less than 45 mph

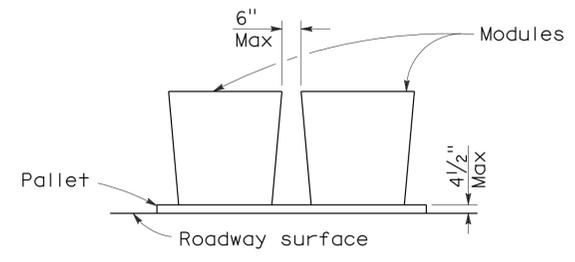


ARRAY 'TU21'

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
05	SLO	229	0.0/9.2	7	8

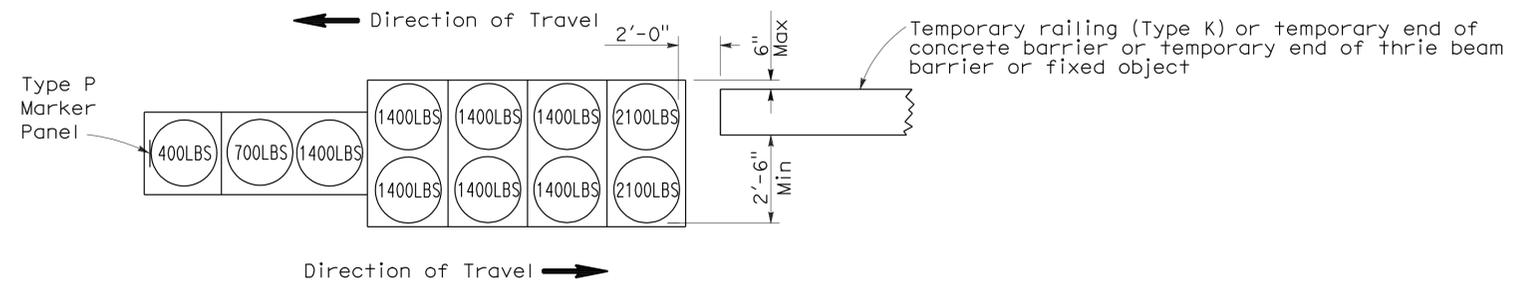
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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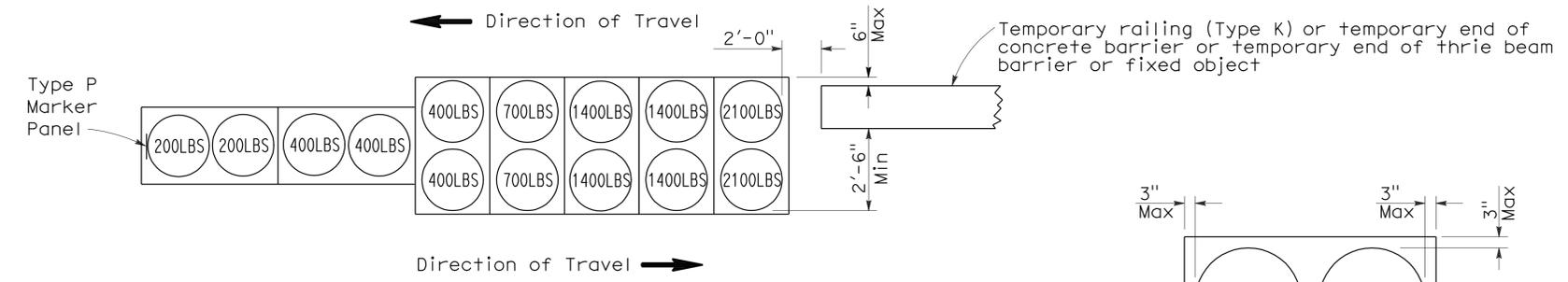
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 1-4-10



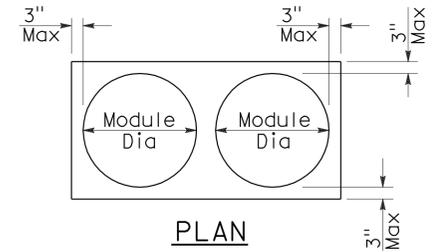
ARRAY 'TB11'

Approach speed less than 45 mph

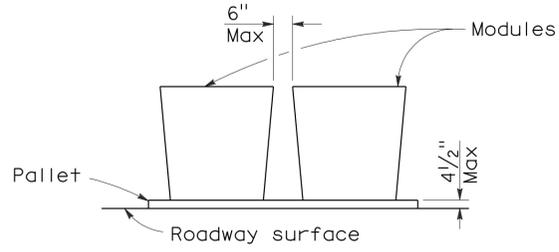


ARRAY 'TB14'

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	229	0.0/9.2	8	8

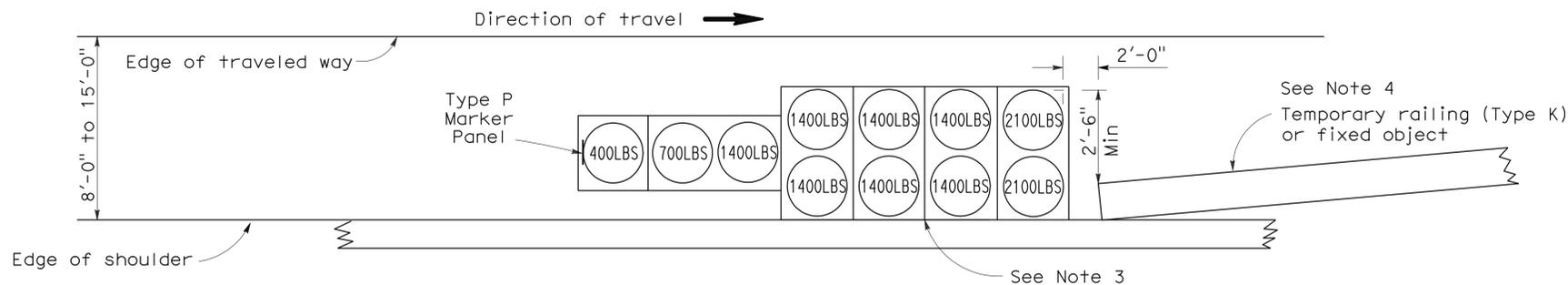
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

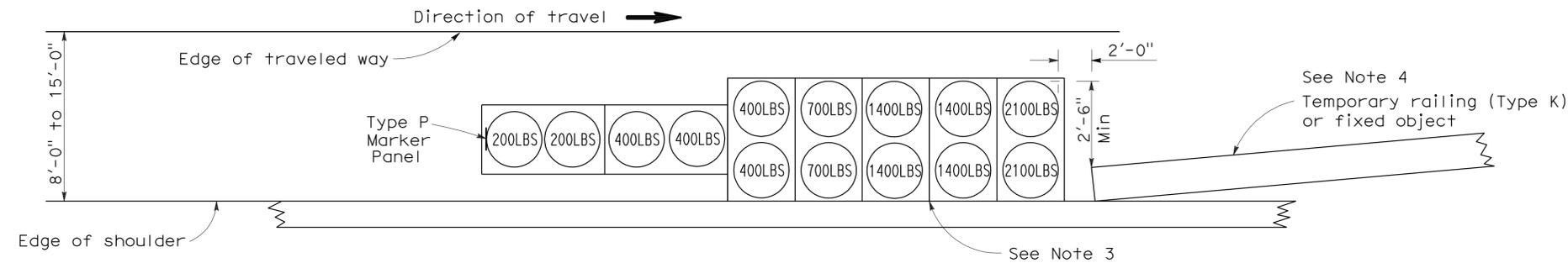
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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To accompany plans dated 1-4-10



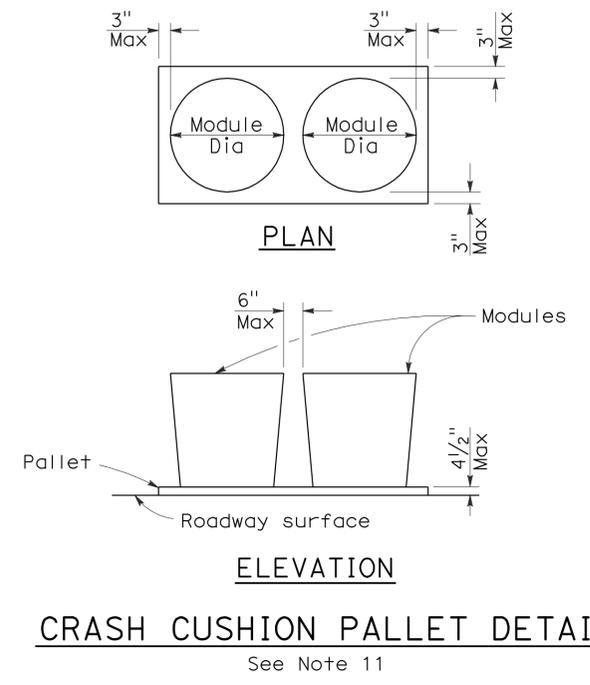
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



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.



CRASH CUSHION PALLET DETAIL
See Note 11

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