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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 **ACNH-P014(067)E**
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN KERN COUNTY NEAR CALIFORNIA CITY
FROM 0.7 MILES SOUTH OF PHILLIPS ROAD TO ROGERS ROAD

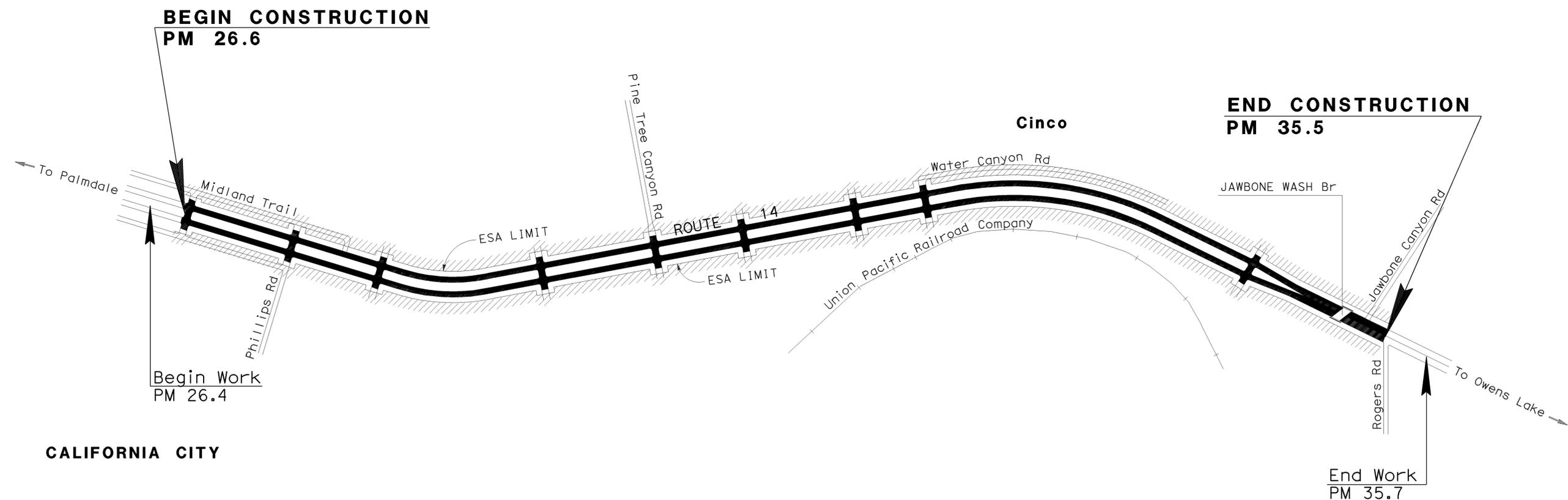
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14	26.6/35.5	1	8





LOCATION MAP



PROJECT MANAGER
VICTOR SHAW

DESIGN ENGINEER
RENE SANCHEZ

Zhi Zhan 10-25-10
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER

November 1, 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

CONTRACT No.	06-0M7104
PROJECT ID	0600020155

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14	26.6/35.5	2	8

<i>Zhi Zhan</i>	10-25-10
REGISTERED CIVIL ENGINEER	DATE
11-1-10	
PLANS APPROVAL DATE	

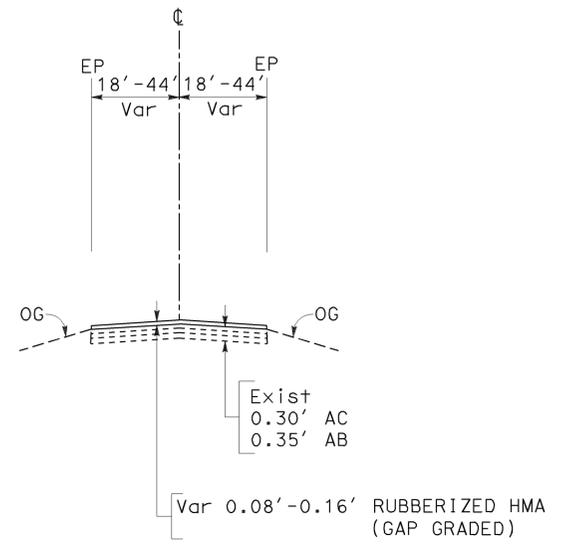
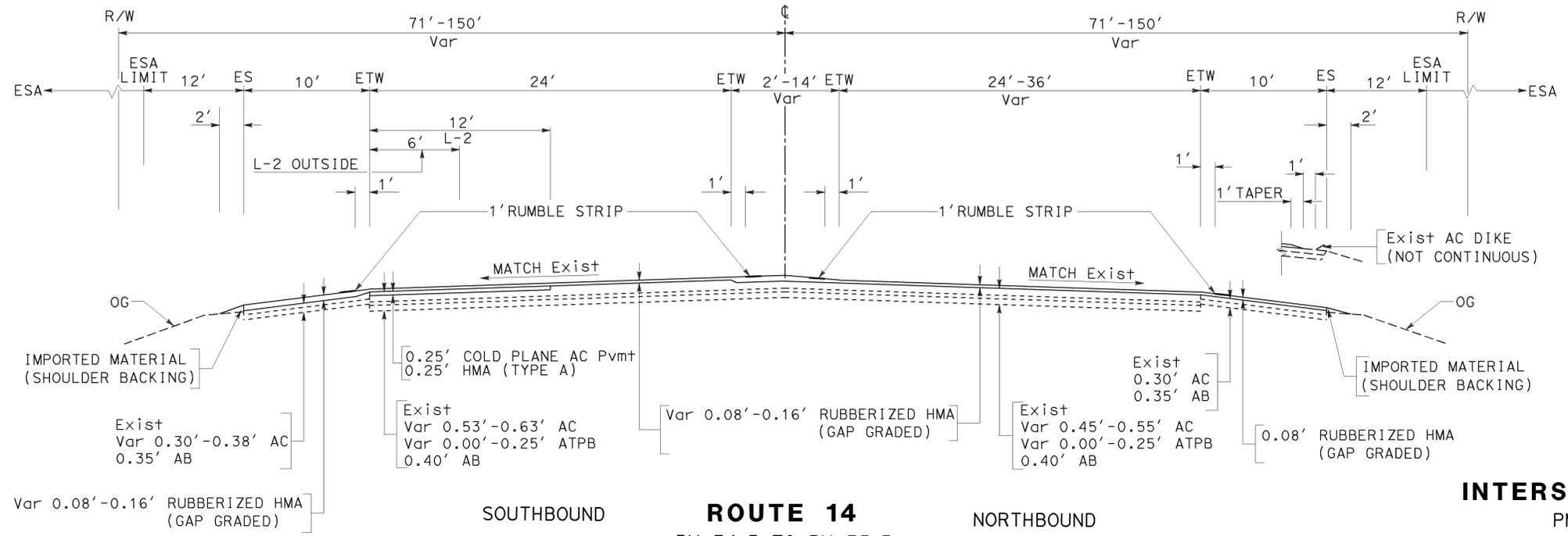
REGISTERED PROFESSIONAL ENGINEER
ZHI ZHAN LIN
 No. 60881
 Exp. 12-31-10
 CIVIL
 STATE OF CALIFORNIA

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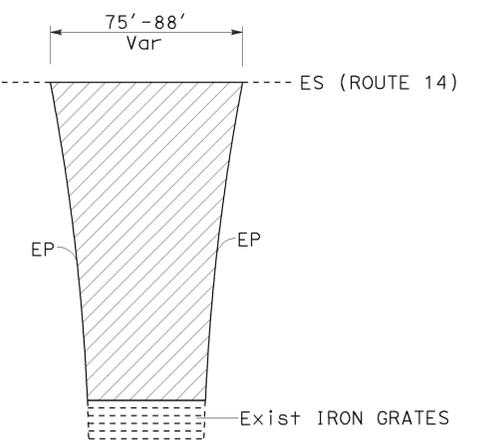
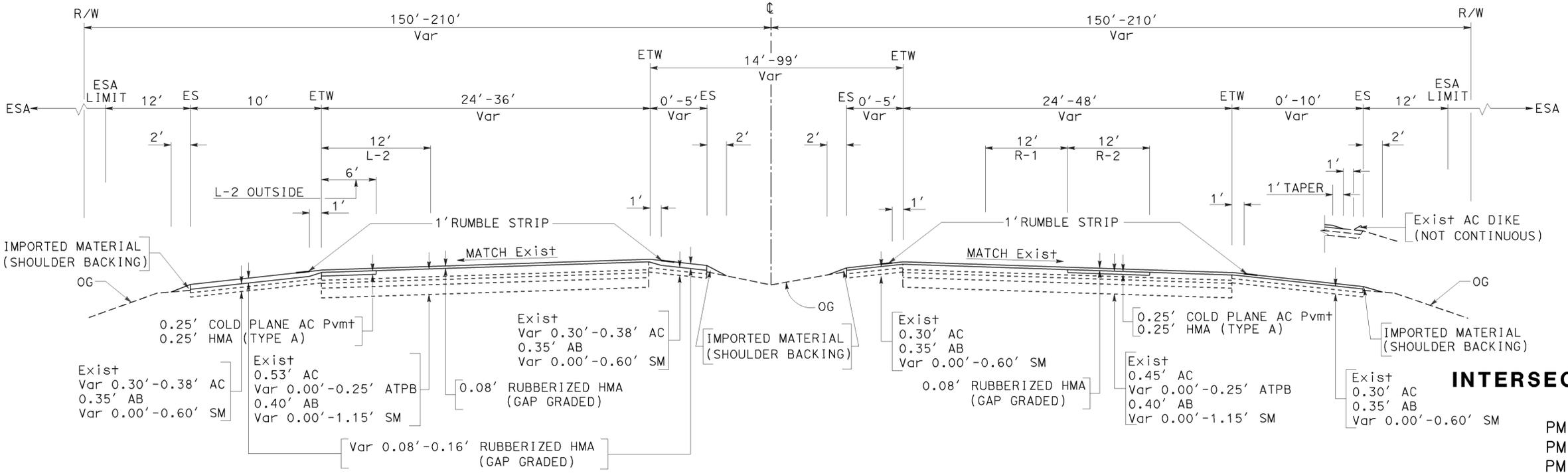
NOTES:

- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTION) 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.
- EXACT LOCATIONS OF COLD PLANE AC PAVEMENT ARE SHOWN ON THE SUMMARY OF QUANTITIES SHEET.

LEGEND:



PAVED MEDIAN INTERSECTION TO IRON GRATES (NB & SB)
 PM 26.60, PM 27.29, PM 27.99, PM 29.09, PM 29.88, PM 30.60, PM 31.66, PM 32.04, PM 34.00



INTERSECTION TO IRON GRATES (NB & SB)
 PM 26.60, PM 27.29, PM 27.99, PM 29.09, PM 29.88, PM 30.60, PM 31.66, PM 32.04, PM 34.00

ROUTE 14
 SOUTHBOUND NORTHBOUND
 PM 26.6 TO PM 34.5

TYPICAL CROSS SECTIONS
 NO SCALE X-1

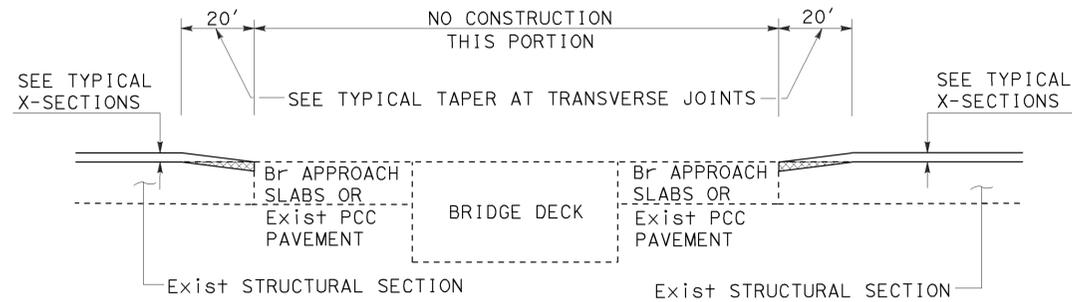
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR: RENE SANCHEZ
 CALCULATED/DESIGNED BY: RENE SANCHEZ
 CHECKED BY:
 ZHI ZHAN LIN
 RENE SANCHEZ
 REVISIONS: 10-25-10, 11-1-10
 REVISIONS: 10-25-10, 11-1-10

LAST REVISION: DATE PLOTTED => 13-DEC-2010
 10-25-10 TIME PLOTTED => 11:19

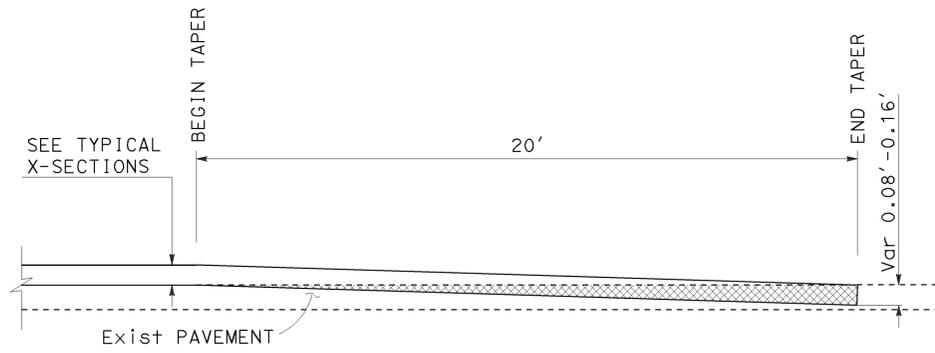
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14	26.6/35.5	3	8
Zhi Zhan		10-25-10		REGISTERED CIVIL ENGINEER DATE	
11-1-10		PLANS APPROVAL DATE			
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LEGEND:

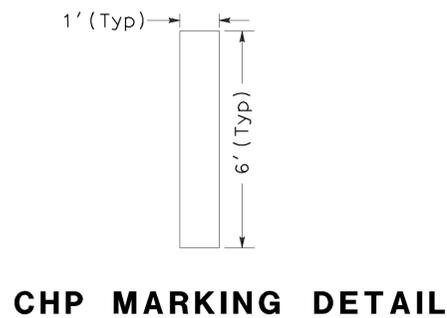
- COLD PLANE ASPHALT CONCRETE PAVEMENT
- Var 0.08'-0.16' RUBBERIZED HMA (GAP GRADED)



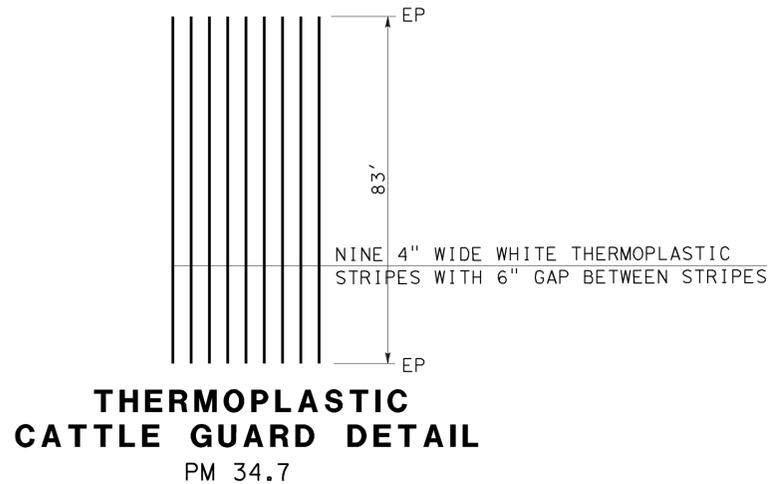
TYPICAL TRANSITION AT BRIDGE
PM 35.11 (NB & SB)



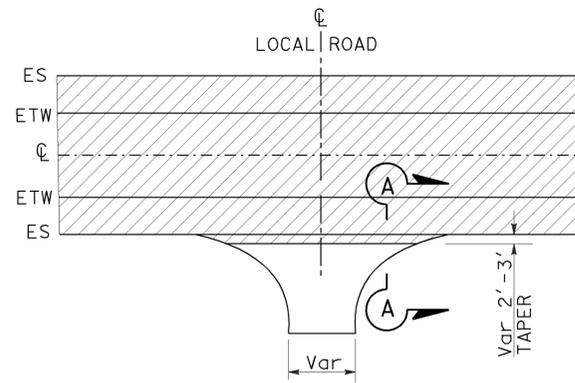
TYPICAL TAPER AT TRANSVERSE JOINTS
PM 26.6, PM 35.5 (NB & SB)



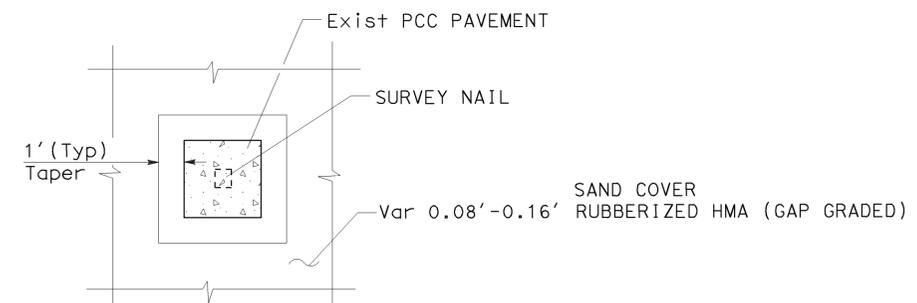
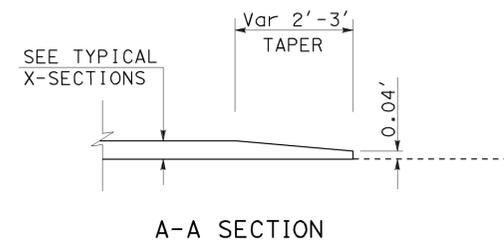
CHP MARKING DETAIL



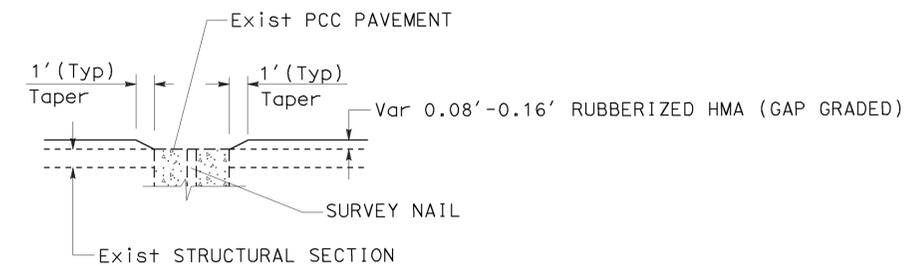
THERMOPLASTIC CATTLE GUARD DETAIL
PM 34.7



TYPICAL LOCAL ROAD INTERSECTION WORK



SURVEY NAIL



SURVEY NAIL CROSS SECTION

CONSTRUCTION DETAILS
C-1

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14	26.6/35.5	4	8

Zhi Zhan 10-25-10
 REGISTERED CIVIL ENGINEER DATE

11-1-10
 PLANS APPROVAL DATE

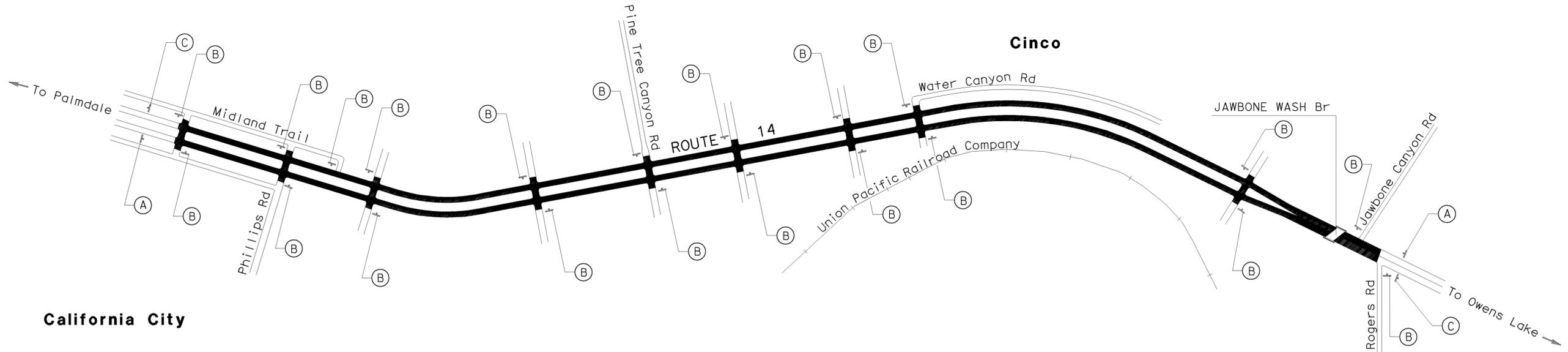
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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- 6" x 6"	2
(B)	W20-1	36" x 36"	ROAD WORK AHEAD	1- 4" x 6"	21
(C)	G20-2	36" X 18"	END ROAD WORK	1- 4" x 4"	2

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 PAVEMENT PRESERVATION
 FUNCTIONAL SUPERVISOR RENE SANCHEZ
 CALCULATED/DESIGNED BY CHECKED BY
 ZHI ZHAN LIN RENE SANCHEZ
 REVISED BY DATE REVISED



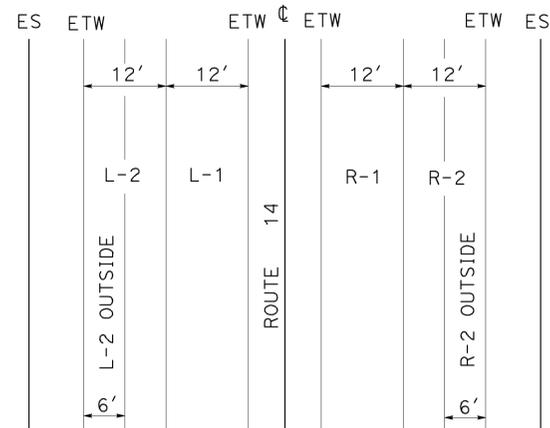
CONSTRUCTION AREA SIGNS CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

NO SCALE

COLD PLANE AC PAVEMENT

LOCATION	BEGINNING POST MILE	END POST MILE	LENGTH (N) FT	R-2* (N) FT	L-2* (N) FT	L-2 OUTSIDE* (N) FT	THICKNESS (N) FT	AREA	
								(SB) SQYD	(NB) SQYD
SOUTHBOUND	34.727	34.730	15			6.0	0.25	10.0	
	34.698	34.700	10		12.0		0.25	13.3	
	34.364	34.370	30			6.0	0.25	20.0	
	34.219	34.220	6			6.0	0.25	4.0	
	33.199	33.200	4			6.0	0.25	2.7	
	31.891	31.910	100			6.0	0.25	66.7	
	27.899	27.900	6			6.0	0.25	4.0	
	27.799	27.800	4			6.0	0.25	2.7	
	27.779	27.780	4			6.0	0.25	2.7	
	27.754	27.760	30			6.0	0.25	20.0	
27.739	27.740	6			6.0	0.25	4.0		
NORTHBOUND	29.700	29.310	2059	12.0			0.25		2745.3
	31.100	30.360	3907	12.0			0.25		5209.3
	34.500	34.440	317	12.0			0.25		422.7
SUBTOTAL								150.1	8377.3
TOTAL									8527.4**



LANE DESCRIPTION CHART

* SEE LANE DESCRIPTION CHART
 (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.
 ** THE QUANTITY IS ADDED TO THE ROADWAY QUANTITIES TABLE.

ROADWAY QUANTITIES

LOCATION	TACK COAT	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	IMPORTED MATERIAL (SHOULDER BACKING)	RUMBLE STRIP	COLD PLANE ASPHALT CONCRETE PAVEMENT	HOT MIX ASPHALT (TYPE A)
	TON	TON	TON	STATION	SQYD	TON
PM 26.6/35.5 NORTHBOUND	75	11,420	463	890	8752.3	1455
PM 26.6/35.5 SOUTHBOUND	76	15,380	832	890	525.1	27
TOTAL	151	26,800	1295	1780	9277.4	1482

PAVEMENT DELINEATION QUANTITIES

LOCATION	DETAIL	PAINT TRAFFIC STRIPE (2-COAT)			PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)			REMOVE PAVEMENT MARKER (N) EA	REMOVE THERMOPLASTIC PAVEMENT MARKING SQFT	THERMOPLASTIC PAVEMENT MARKING	
		4" YELLOW LF	4" WHITE LF	8" WHITE LF	TYPE D TWO-WAY YELLOW EA	TYPE G ONE-WAY CLEAR EA	TYPE H ONE-WAY YELLOW EA			DESCRIPTION	SQFT
		ROUTE 14 PM 26.6/35.5 NORTHBOUND	12		46,985					982	982
22	4120				363		363	294.0	7-TYPE III (R) ARROW	294.0	
25	41,600					870	870	1188.0	36-TYPE V ARROW	1188.0	
27B			46,985					168.0	4-TYPE VI ARROW	168.0	
29	6330				270		270	48.0	8-CHP MARKING (1.0' x 6.0')	48.0	
38				5700		246	246	280.0	280' LIMIT LINE	280.0	
ROUTE 14 PM 26.6/35.5 SOUTHBOUND	12		46,985			982	982	714.0	17-TYPE III (L) ARROW	714.0	
	25	41,920				876	876	1056.0	32-TYPE V ARROW	1056.0	
	27B		46,985					60.0	10-CHP MARKING (1.0' x 6.0')	60.0	
	38			4275		183	183	295.0	295' LIMIT LINE	295.0	
TOTAL		291,885			4772		6026.0		6026.0		

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

SUMMARY OF QUANTITIES
Q-1

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14	26.6/35.5	5	8

10-25-10
 REGISTERED CIVIL ENGINEER DATE

11-1-10
 PLANS APPROVAL DATE

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 PAVEMENT PRESERVATION
 FUNCTIONAL SUPERVISOR
 RENE SANCHEZ
 CALCULATED/DESIGNED BY
 CHECKED BY
 ZHI ZHAN LIN
 RENE SANCHEZ
 REVISED BY
 DATE REVISED

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	14	26.6/35.5	6	8

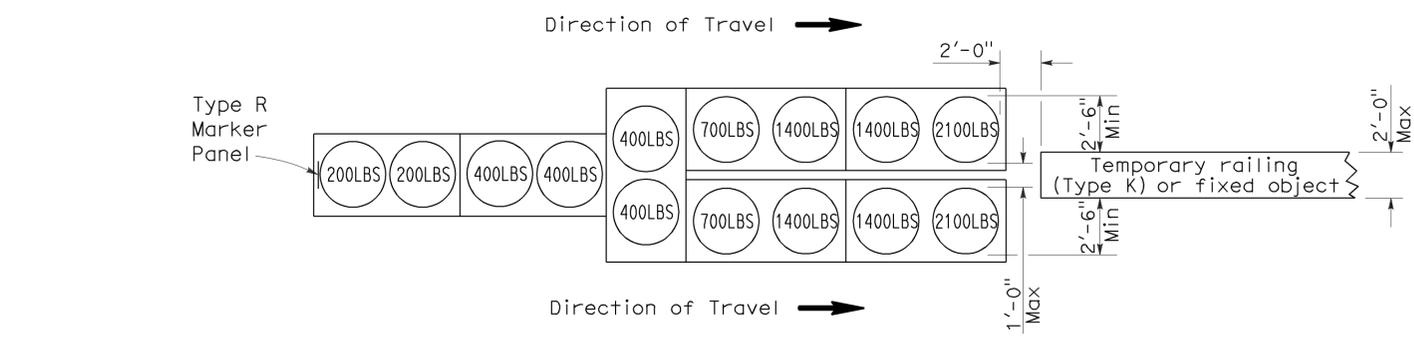
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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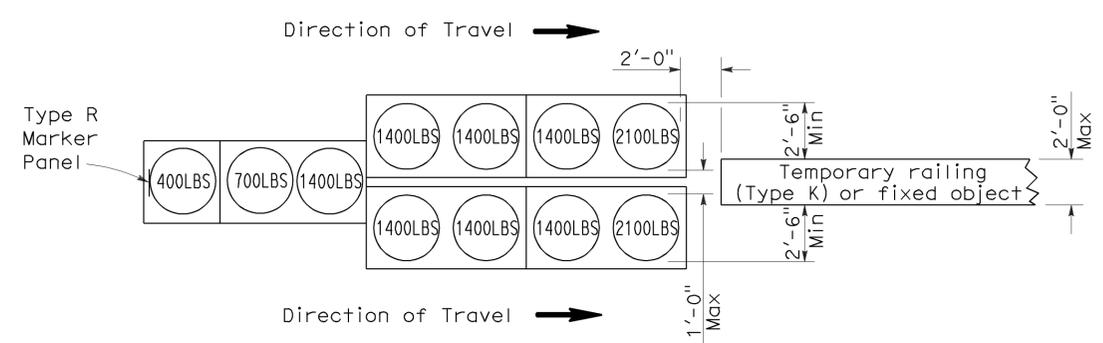
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 11-1-10



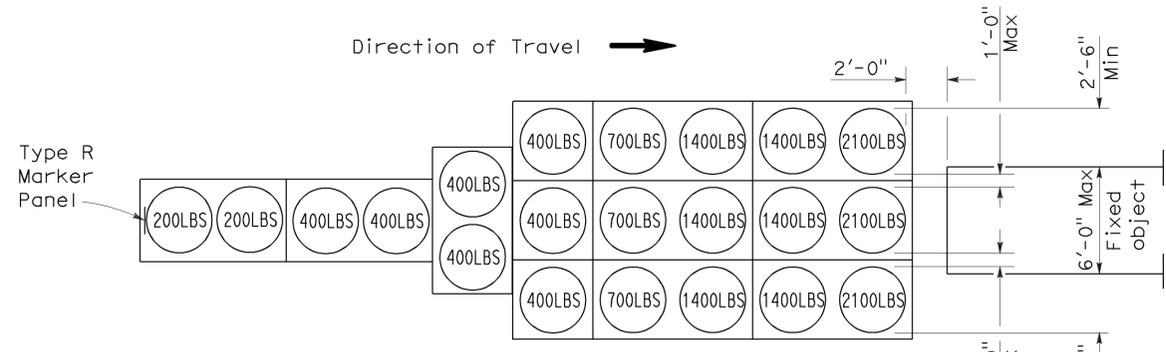
ARRAY 'TU14'

Approach speed 45 mph or more



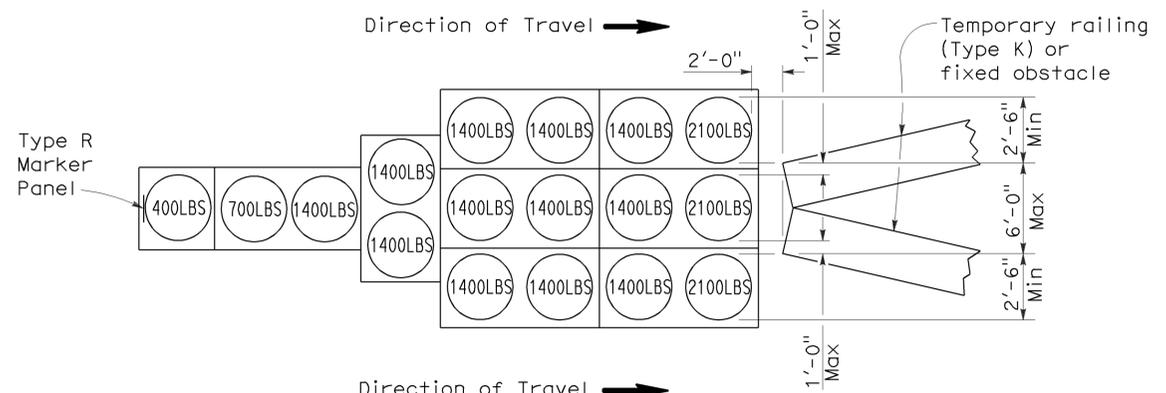
ARRAY 'TU11'

Approach speed less than 45 mph



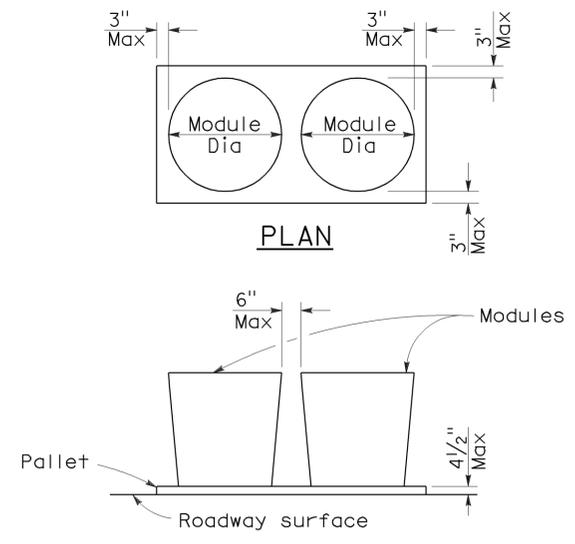
ARRAY 'TU21'

Approach speed 45 mph or more



ARRAY 'TU17'

Approach speed less than 45 mph



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
06	Ker	14	26.6/35.5	7	8

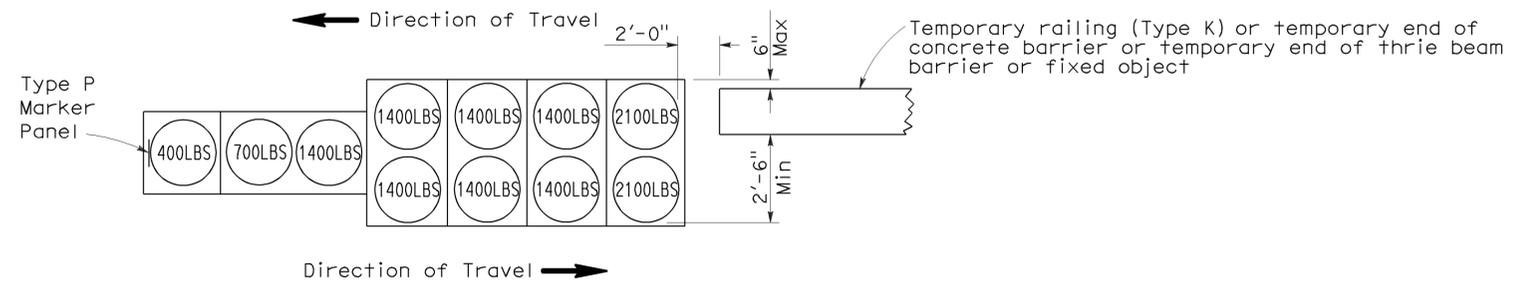
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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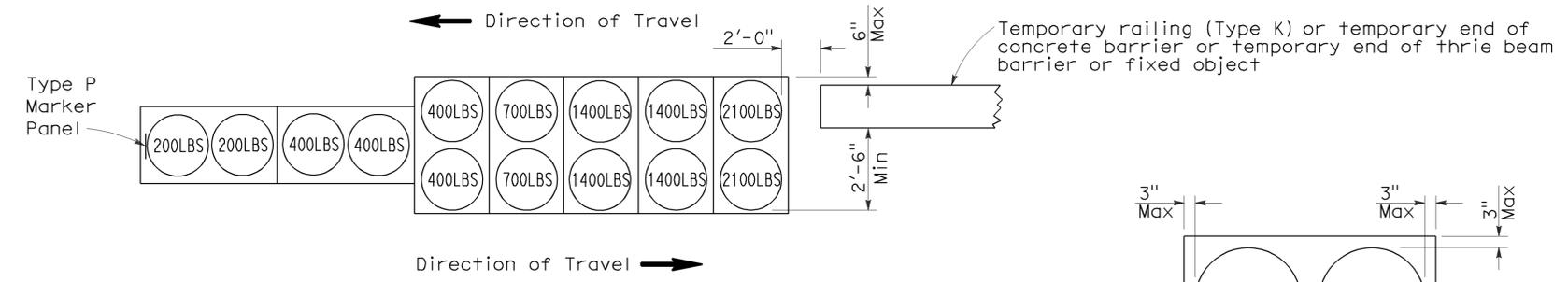
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 11-1-10



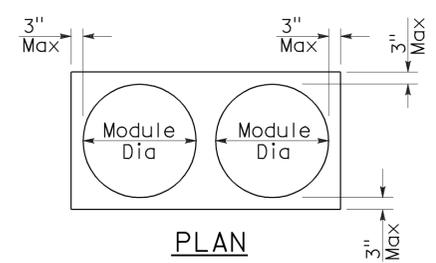
ARRAY 'TB11'

Approach speed less than 45 mph

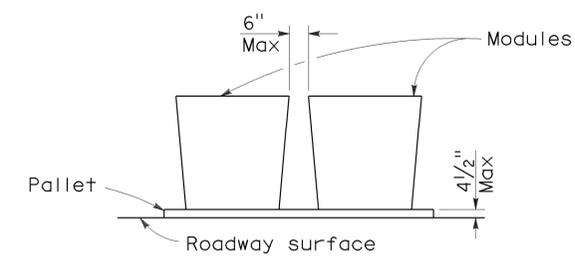


ARRAY 'TB14'

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

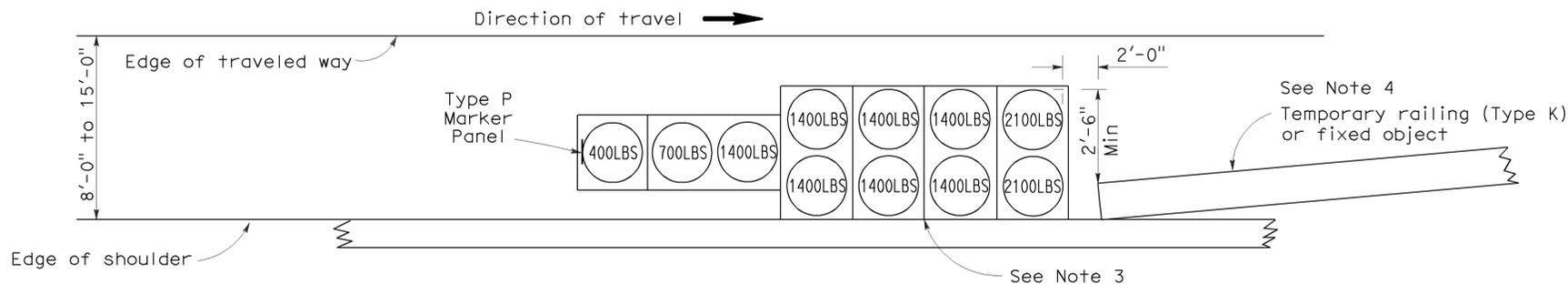
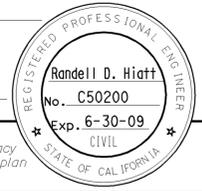
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	14	26.6/35.5	8	8

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

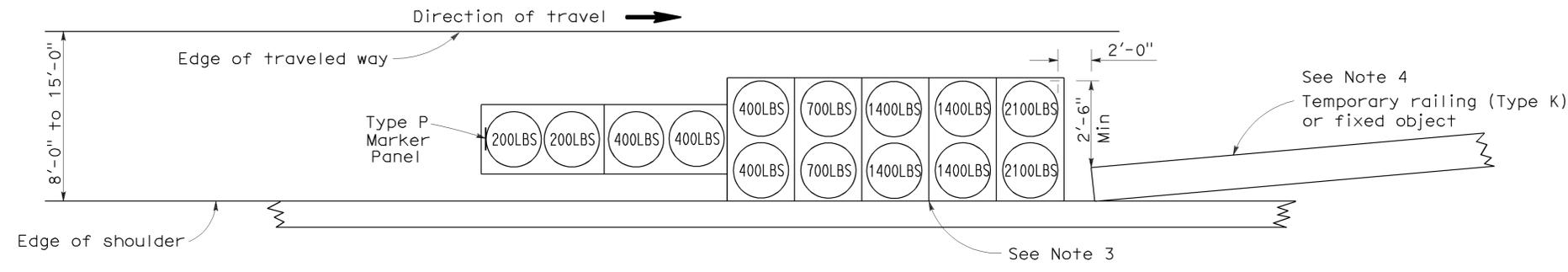
June 6, 2008
PLANS APPROVAL DATE

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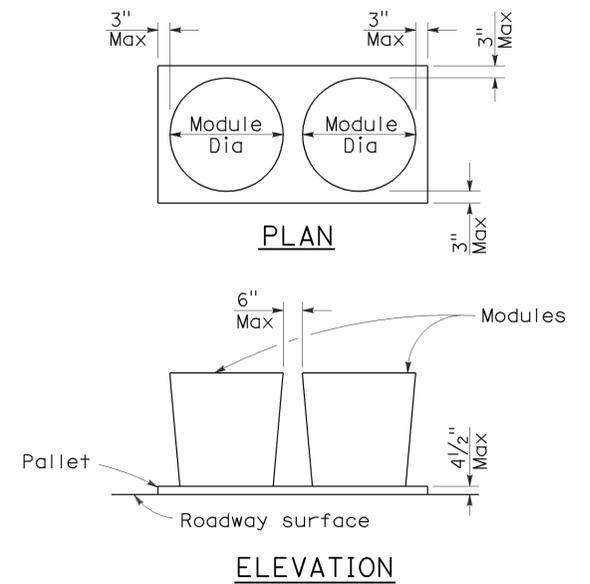
To accompany plans dated 11-1-10



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:

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. 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.
4. 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.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. 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.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. 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