INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-3	TYPICAL CROSS SECTIONS
4	CONSTRUCTION DETAILS
5	CONSTRUCTION AREA SIGNS
6	SUMMARY OF QUANTITIES
7-9	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

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

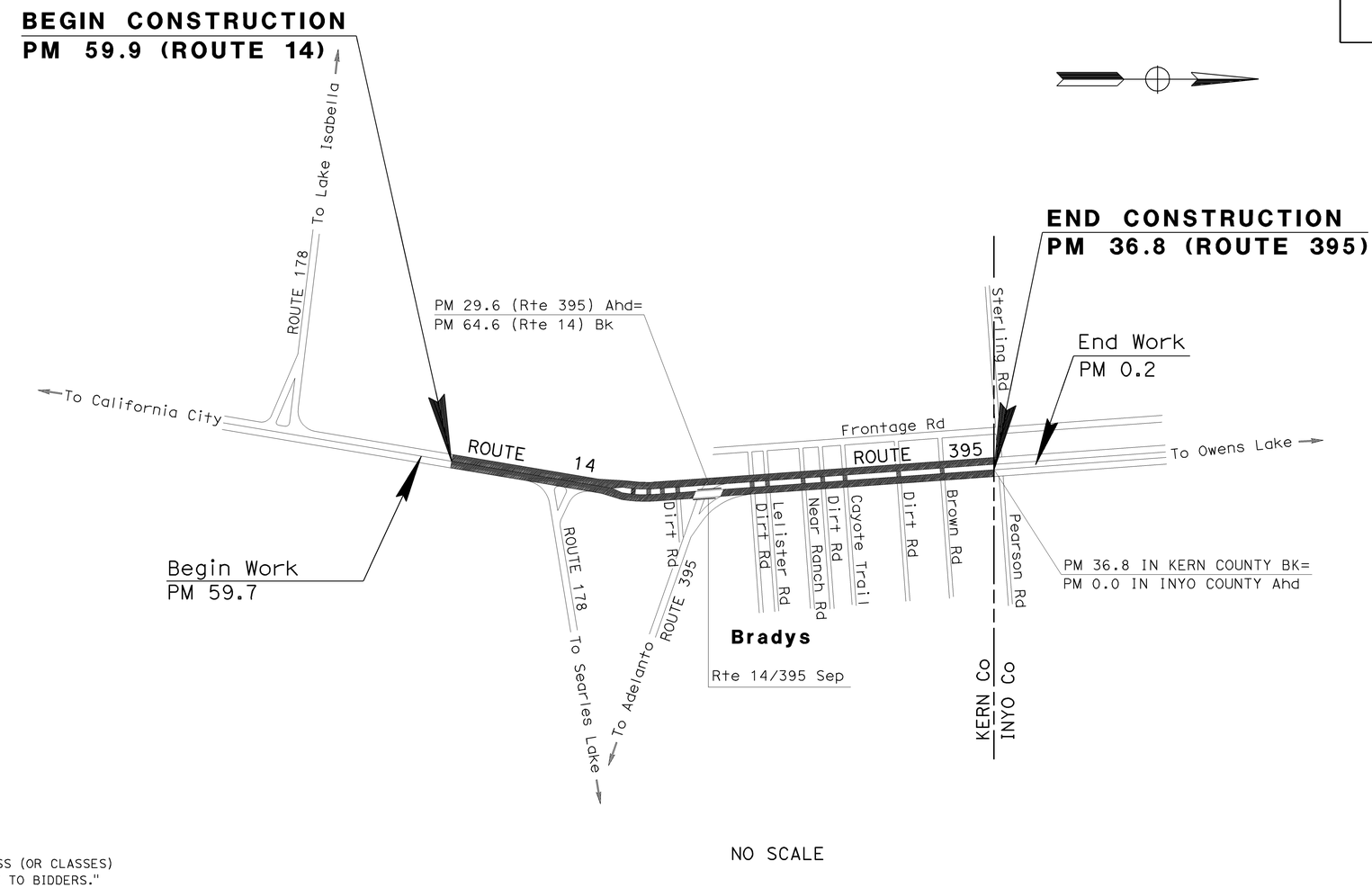
STATE HIGHWAY

IN KERN COUNTY
NEAR BRADYS
FROM 0.7 MILE SOUTH OF NORTH JUNCTION ROUTE 178
TO INYO COUNTY LINE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14, 395	59.9/64.6, 29.6/36.8	1	9

LOCATION MAP



NO SCALE

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

Lin Zhi Zhan — 1-20-10
PROJECT ENGINEER — DATE
REGISTERED CIVIL ENGINEER

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

February 8, 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.

PROJECT MANAGER: VICTOR SHAW
DESIGN ENGINEER: RENE SANCHEZ

CONTRACT No. 06-0L0804

LAST REVISION 1-20-10
DATE PLOTTED => 01-APR-2010
TIME PLOTTED => 16:13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14,395	59.9/64.6, 29.6/36.8	2	9

Zhi Zhan Lin 1-20-10
REGISTERED CIVIL ENGINEER DATE

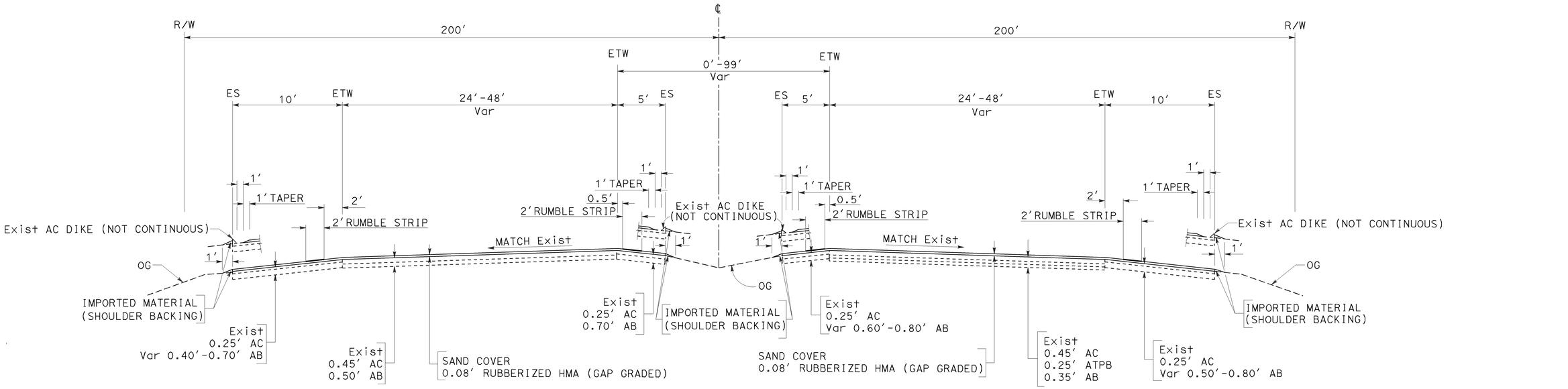
2-8-10
PLANS APPROVAL DATE

ZHI ZHAN LIN No. 60881 Exp. 12-31-10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — 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:

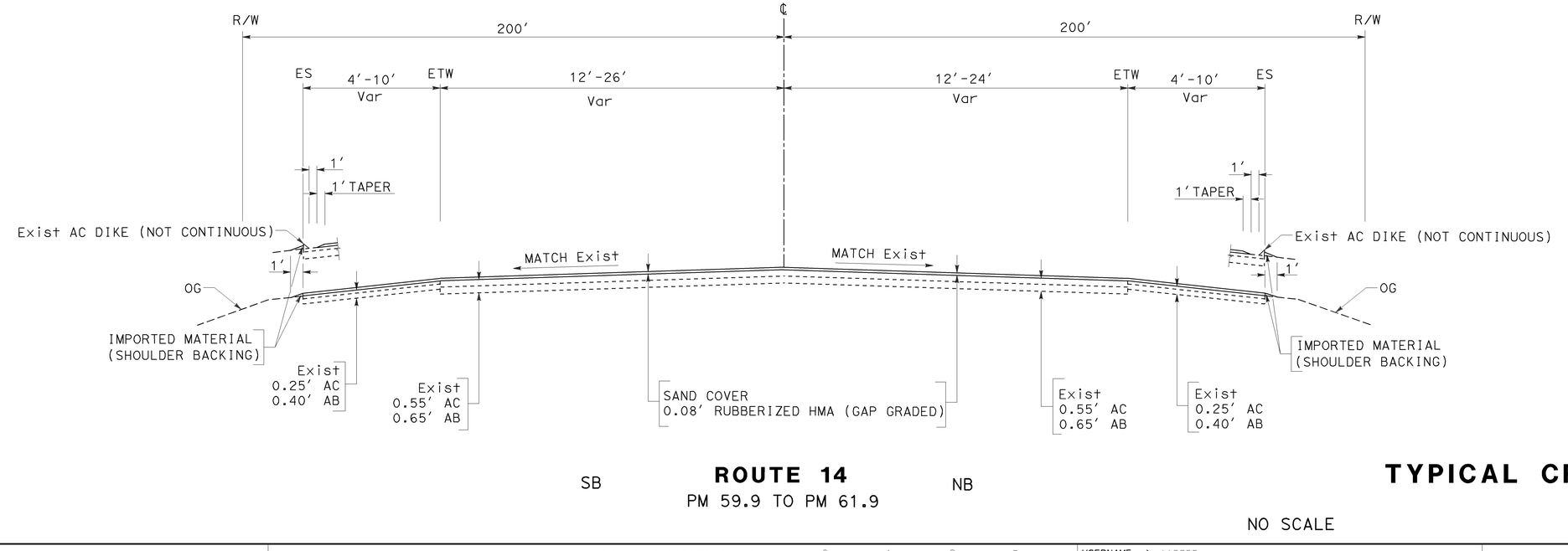
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTION) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



SB

ROUTE 14
PM 61.9 TO PM 64.6

NB



SB

ROUTE 14
PM 59.9 TO PM 61.9

NB

TYPICAL CROSS SECTIONS
X-1

NO SCALE

ZHI ZHAN LIN — CALCULATED-DESIGNED BY
MARYAM RASTEGAR — CHECKED BY
REVISED BY — DATE REVISED
FUNCTIONAL SUPERVISOR: RENE SANCHEZ
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
PAVEMENT PRESERVATION
Caltrans®

LAST REVISION DATE PLOTTED => 01-APR-2010
TIME PLOTTED => 16:13
1-20-10

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60L080ca001.dgn
CU 06600
EA 0L0801

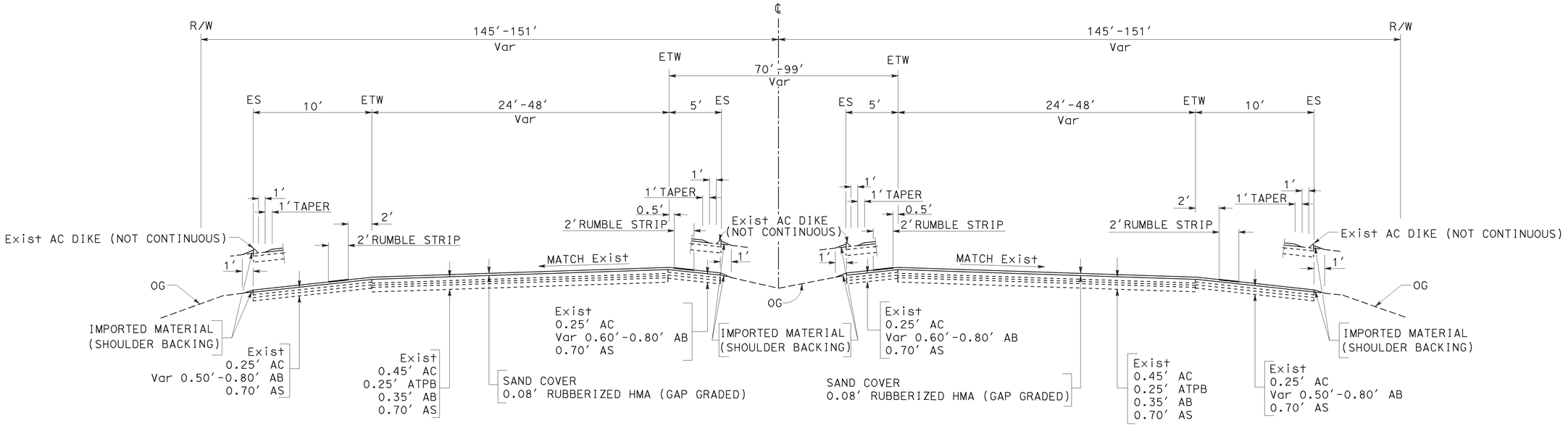
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14,395	59.9/64.6, 29.6/36.8	3	9

Zhi Zhan Lin 1-20-10
REGISTERED CIVIL ENGINEER DATE

2-8-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ZHI ZHAN LIN
No. 60881
Exp. 12-31-10
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.

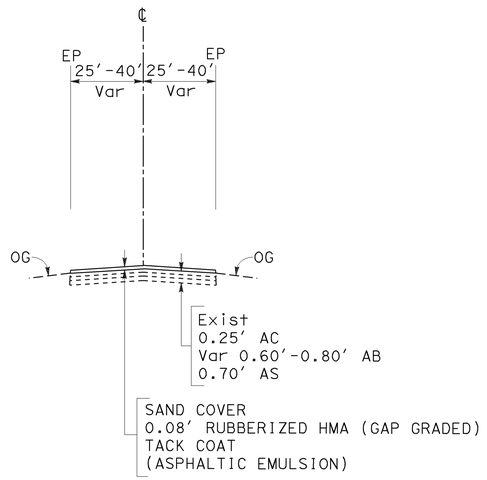


SB

ROUTE 395

PM 29.6 TO PM 36.8

NB



PAVED MEDIAN

PM 62.35, PM 62.66, PM 62.93, PM 63.59 (Rte 14)
PM 30.20, PM 30.69, PM 31.70, PM 32.71, PM 33.72, PM 34.72, PM 35.24 (Rte 395)

TYPICAL CROSS SECTIONS X-2

NO SCALE

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

LAST REVISION DATE PLOTTED => 01-APR-2010
TIME PLOTTED => 16:13
1-20-10

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s115755
DGN FILE => 60L080ca002.dgn
CU 06600
EA 0L0801

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14,395	59.9/64.6, 29.6/36.8	4	9

Lin Zhi Zhan 1-20-10
REGISTERED CIVIL ENGINEER DATE

2-8-10
PLANS APPROVAL DATE

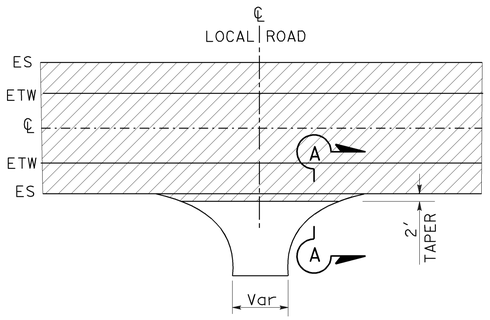
ZHI ZHAN LIN No. 60881 Exp. 12-31-10 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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.

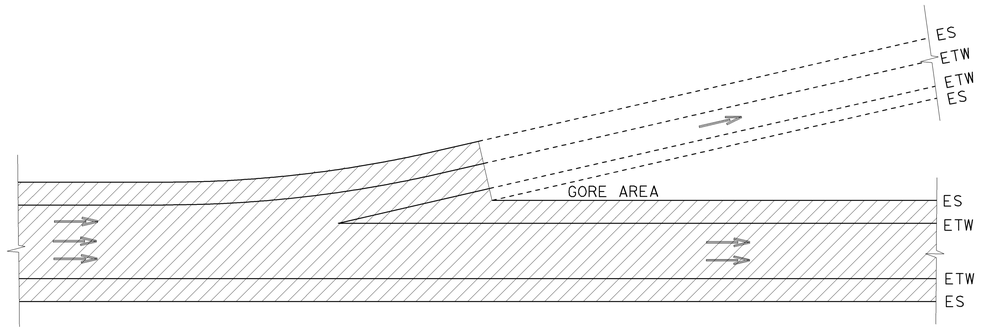
LEGEND:

COLD PLANE ASPHALT CONCRETE PAVEMENT

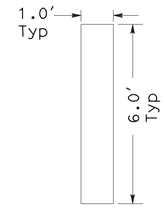
SAND COVER
0.08' RUBBERIZED HMA (GAP GRADED)



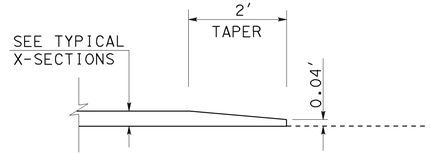
TYPICAL INTERSECTION WORK



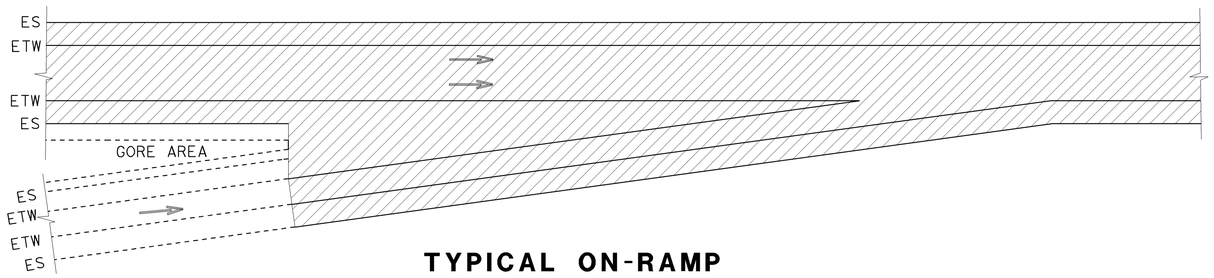
INTERSECTION WORK
PM 29.6 (Rte 395)



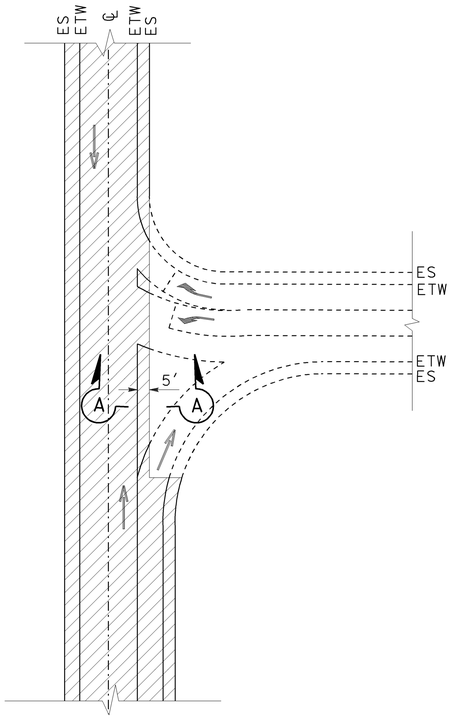
CHP MARKING DETAIL



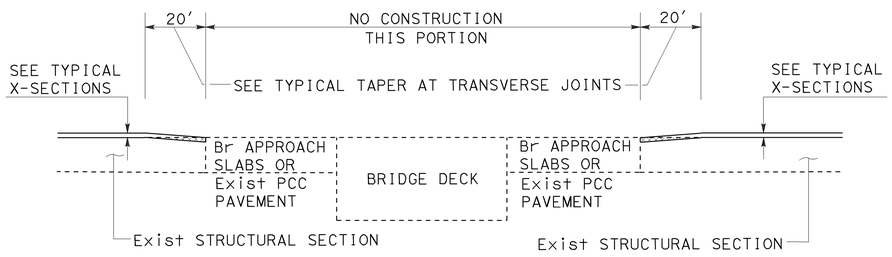
A-A SECTION



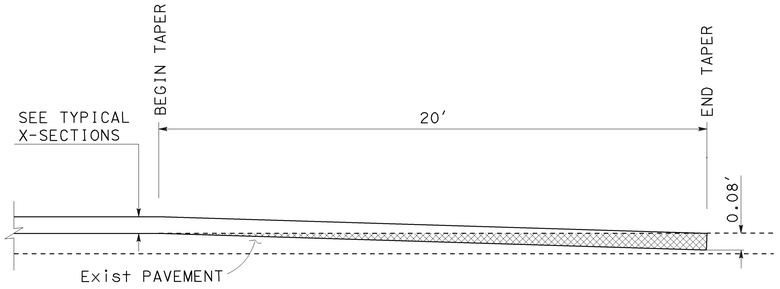
TYPICAL ON-RAMP



INTERSECTION WORK
PM 60.6 (Rte 14)



TYPICAL TRANSITION AT BRIDGE
PM 64.6 (Rte 14), PM 29.7 (Rte 395)



TYPICAL TAPER AT TRANSVERSE JOINTS
PM 59.9, PM 64.6 (Rte 14), PM 29.7, PM 36.8 (Rte 395)

CONSTRUCTION DETAILS
C-1

NO SCALE

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

LAST REVISION DATE PLOTTED => 01-APR-2010
TIME PLOTTED => 16:13
1-20-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14,395	59.9/64.6, 29.6/36.8	5	9

Lin Zhi Zhan 1-20-10
REGISTERED CIVIL ENGINEER DATE

2-8-10
PLANS APPROVAL DATE

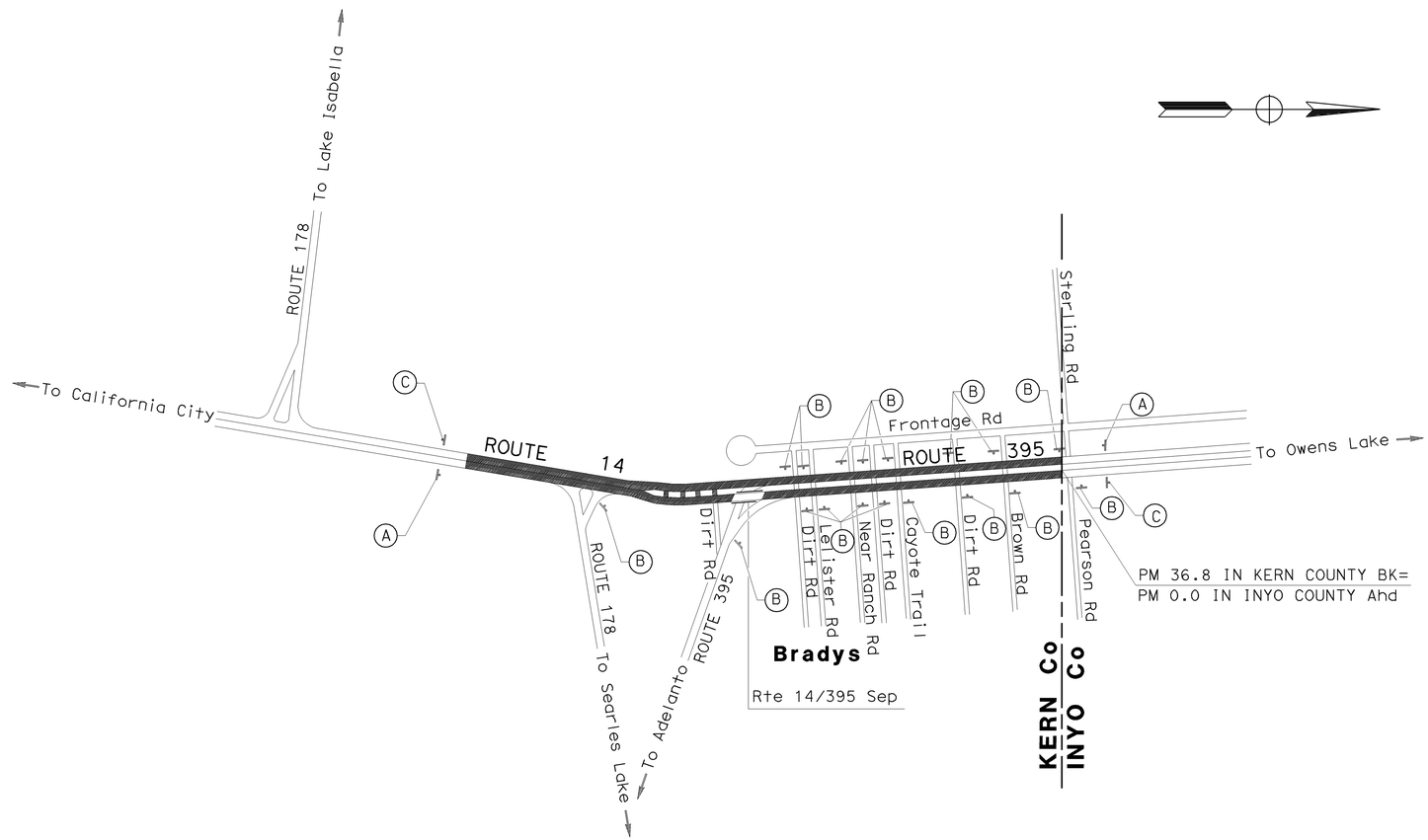
REGISTERED PROFESSIONAL ENGINEER
ZHI ZHAN LIN
No. 60881
Exp 12-31-10
CIVIL
STATE OF CALIFORNIA

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	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"	18
(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.



THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

CONSTRUCTION AREA SIGNS
CS-1

NO SCALE

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

LAST REVISION DATE PLOTTED => 01-APR-2010
TIME PLOTTED => 16:13

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s115755 | DGN FILE => 60L0801a001.dgn | CU 06600 | EA 0L0801

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	14,395	59.9/64.6, 29.6/36.8	6	9

Zhi Zhan Lin 1-20-10
REGISTERED CIVIL ENGINEER DATE

2-8-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ZHI ZHAN LIN
No. 60881
Exp 12-31-10
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.

ROADWAY QUANTITIES

LOCATION	TACK COAT	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	SAND COVER	IMPORTED MATERIAL (SHOULDER BACKING)	RUMBLE STRIP	COLD PLANE ASPHALT CONCRETE PAVEMENT
	TON	TON	TON	TON	STATION	SQYD
ROUTE 14	40	8825	275	305	570	190
ROUTE 395	80	17,765	555	550	1520	290
TOTAL	120	26,590	830	855	2090	480

PAVEMENT DELINEATION QUANTITIES

LOCATION	DETAIL	PAINT TRAFFIC STRIPE (2-COAT)			PAVEMENT MARKER (RETROREFLECTIVE)			REMOVE PAVEMENT MARKER (N)	REMOVE PAINTED PAVEMENT MARKING	PAINT PAVEMENT MARKING (2-COAT)	
		4" YELLOW	4" WHITE	8" WHITE	TYPE D TWO-WAY YELLOW	TYPE G ONE-WAY CLEAR	TYPE H ONE-WAY YELLOW			DESCRIPTION	SQFT
		LF	LF	LF	EA	EA	EA	EA	SQFT		
ROUTE 14	6	1953			42			42	195	13-TYPE IV (L) ARROW	195
	12		29,830			624		624	105	7-TYPE IV (R) ARROW	105
	19	2059			44		87	131	420	30-TYPE I ARROW	420
	22	7022			590			590	252	6-TYPE VI ARROW	252
	25	26,238					550	550	36	6-CHP MARKING (1.0′ × 6.0′)	36
	27B		49,080						720	720′ LIMIT LINE	720
	29	840			37			37			
	38			2904		123		123			
	38B			580		50		50			
ROUTE 395	12		73,000			1523		1523	450	30-TYPE IV (L) ARROW	450
	25	74,050					1545	1545	450	30-TYPE IV (R) ARROW	450
	27B		73,950						840	60-TYPE I ARROW	840
	36			212		10		10	84	14-CHP MARKING (1.0′ × 6.0′)	84
	37B			4326		290		290			
	38			7920		332		332			
	38A			316							
	38B			316		28		28			
TOTAL		354,596			5875				3552		3552

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

SUMMARY OF QUANTITIES

NO SCALE

Q-1

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

LAST REVISION 1-20-10
DATE PLOTTED => 01-APR-2010
TIME PLOTTED => 16:13

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	114, 395	59.9/64.6, 29.6/36.8	7	9

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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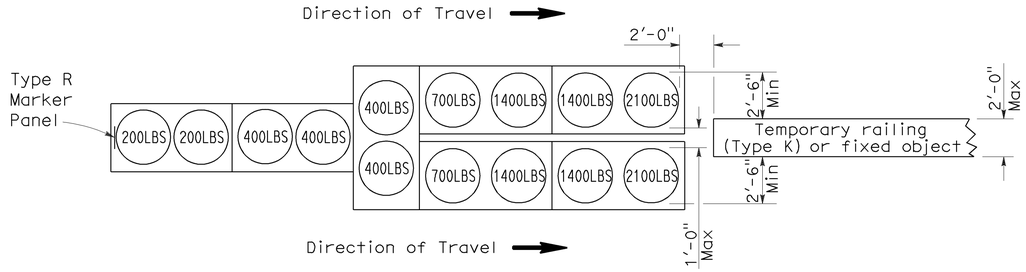
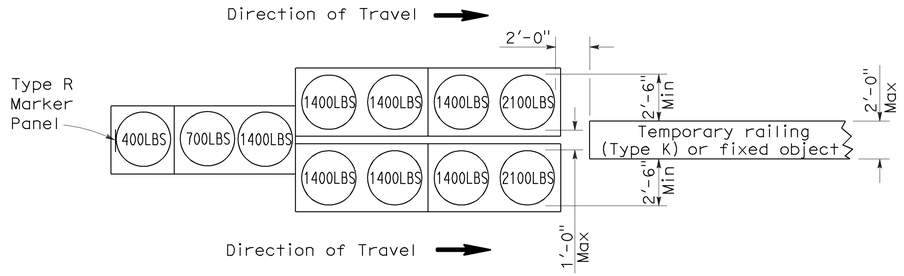
To accompany plans dated 2-8-10



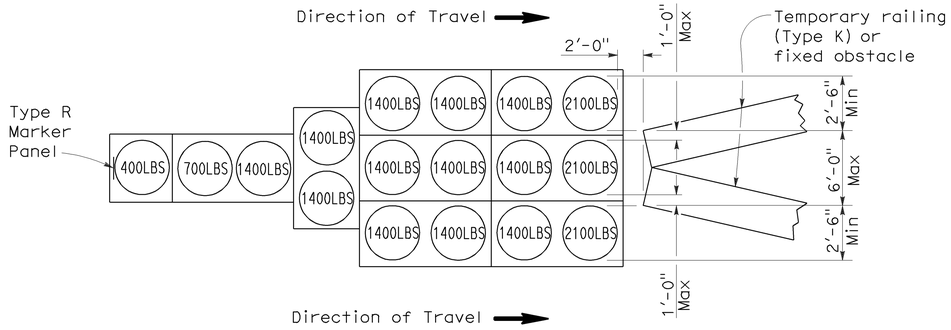
ARRAY 'TU14'

Approach speed 45 mph or more



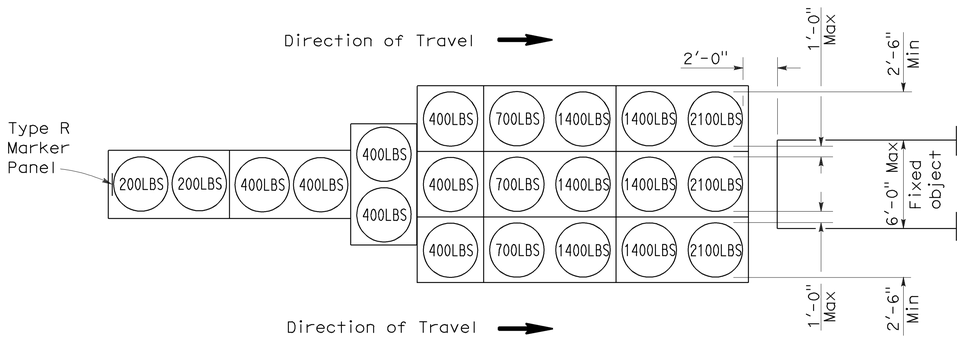
ARRAY 'TU11'

Approach speed less than 45 mph



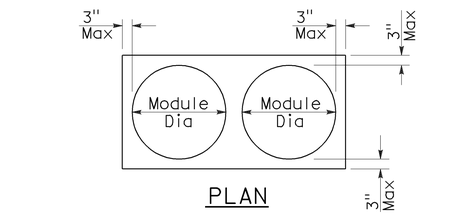
ARRAY 'TU17'

Approach speed less than 45 mph

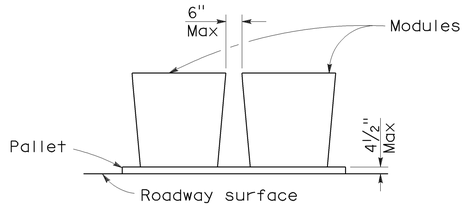


ARRAY 'TU21'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	114, 395	59.9/64.6, 29.6/36.8	8	9

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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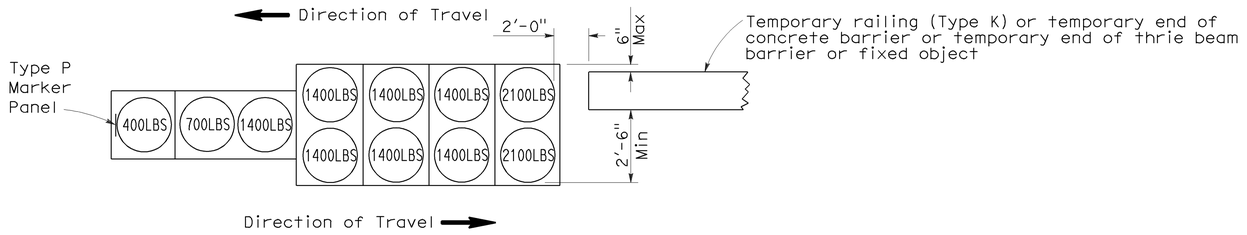
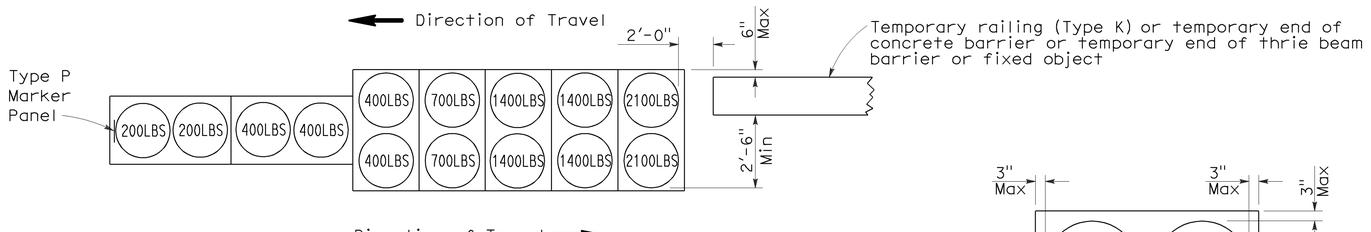
To accompany plans dated 2-8-10



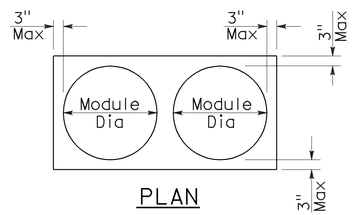
ARRAY 'TB11'

Approach speed less than 45 mph

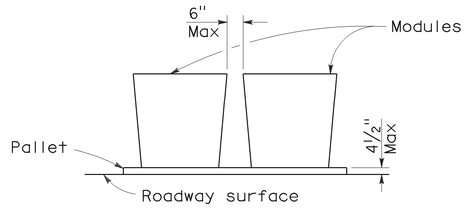


ARRAY 'TB14'

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

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	114, 395	59.9/64.6, 29.6/36.8	9	9

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

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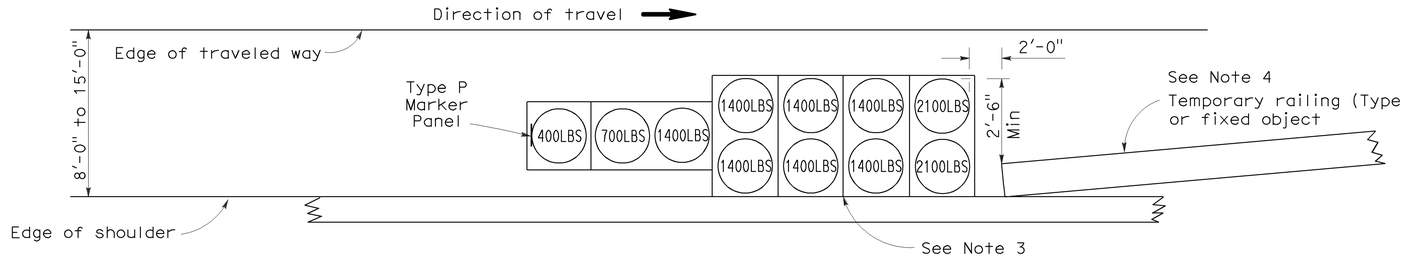
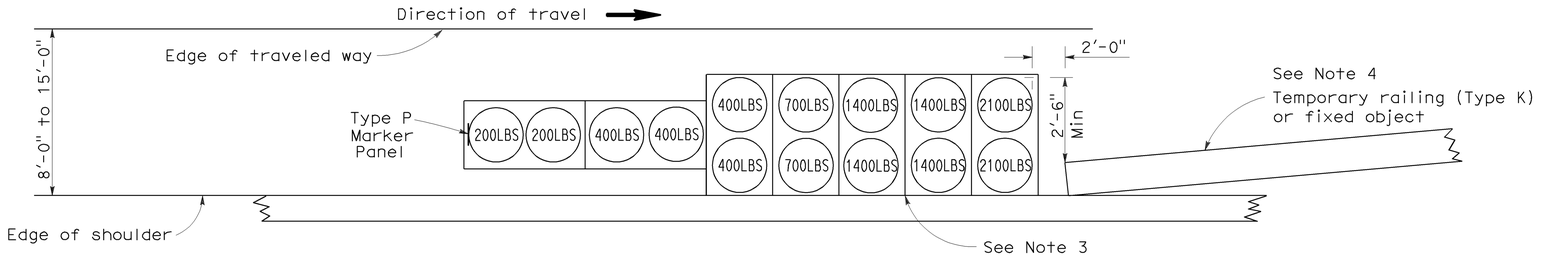
To accompany plans dated 2-8-10



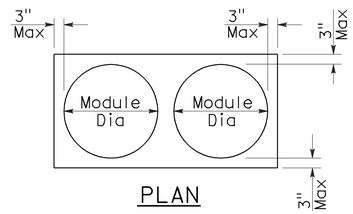
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

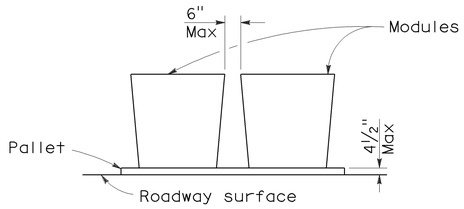


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

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

5-15-08