

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	190	8.0/R15.0	1	8



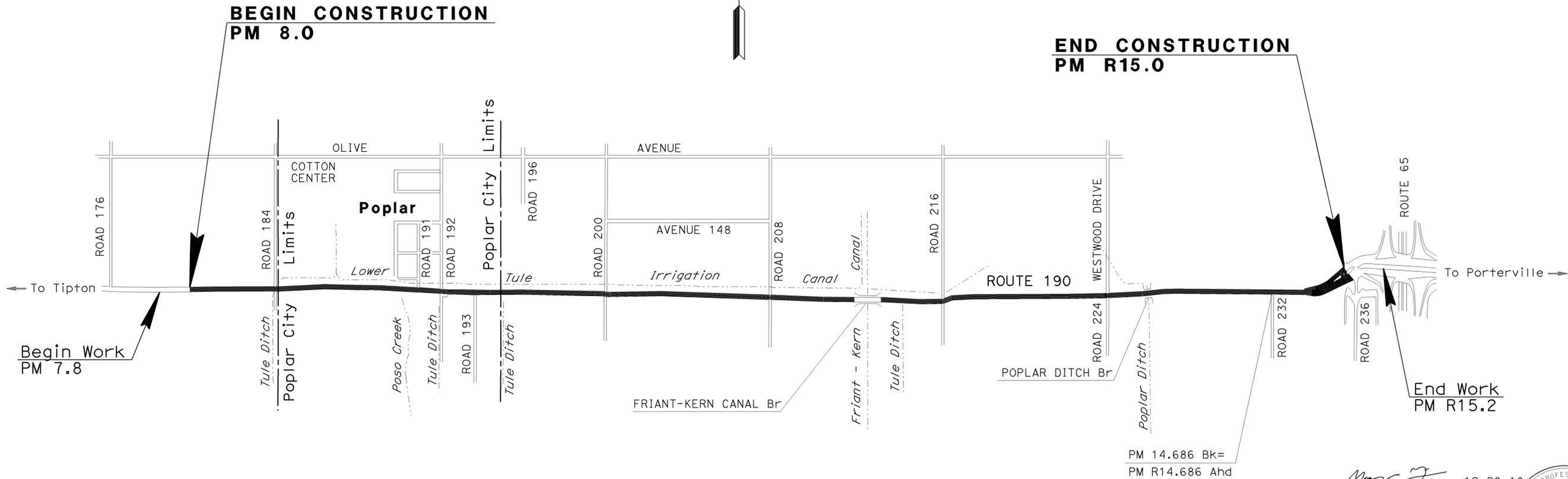
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN TULARE COUNTY IN AND NEAR
POPLAR FROM 0.5 MILE WEST
OF ROAD 184 TO ROAD 236

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTION AND CONSTRUCTION DETAILS
3	CONSTRUCTION AREA SIGNS
4	SUMMARY OF QUANTITIES
5-8	REVISED STANDARD PLANS

THE STANDARD PLAN LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



PROJECT MANAGER
EMAD ABI-RACHED
 DESIGN ENGINEER
RENE SANCHEZ

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

NO SCALE

Maryam Rastegar 12-29-10
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
MARYAM RASTEGAR
 No. 65550
 Exp. 09-30-11
 CIVIL
 STATE OF CALIFORNIA

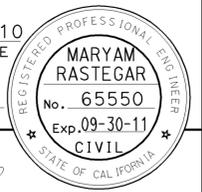
January 18, 2011
 PLANS APPROVAL DATE

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CONTRACT No.	06-0M6704
PROJECT ID	0600020369

DATE PLOTTED => 13-JAN-2011 TIME PLOTTED => 16:49

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	190	8.0/R15.0	2	8
			12-29-10		
			REGISTERED CIVIL ENGINEER DATE		
			1-18-11		
			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.					

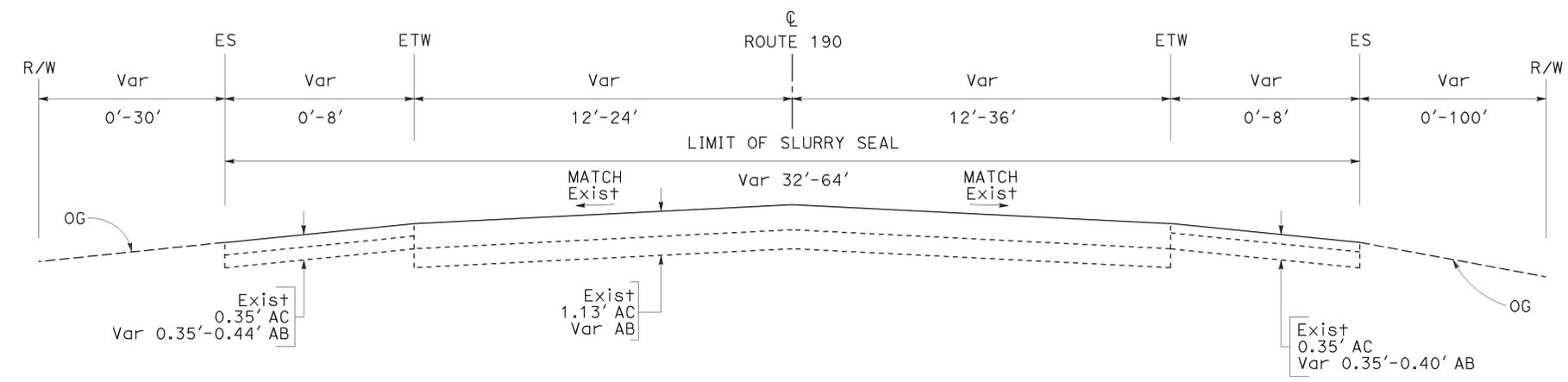


NOTES:

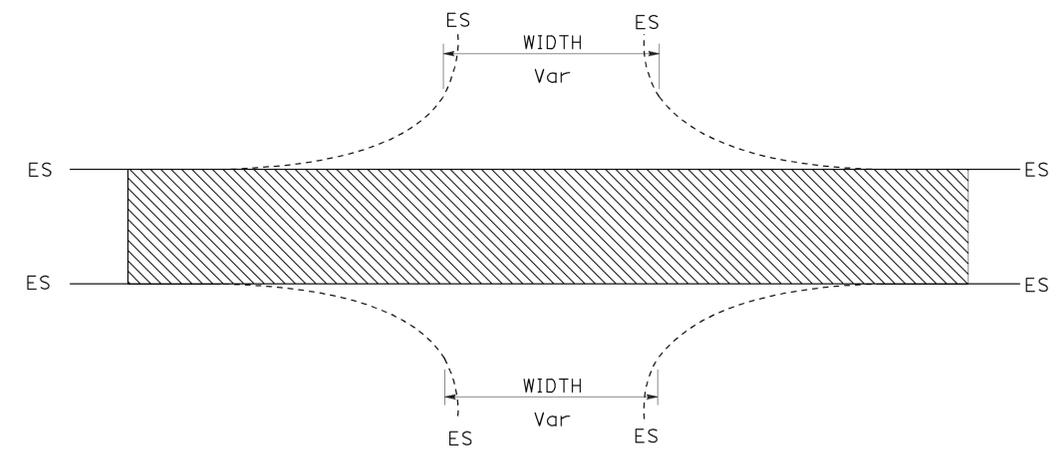
1. DIMENSIONS OF PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
4. EXACT LOCATION OF COLD PLANE ASPHALT CONCRETE PAVEMENT AS DIRECTED BY THE ENGINEER.
5. END SLURRY SEAL 200' FROM THE LIMIT LINE AT FOUR WAY STOP INTERSECTIONS (ROUTE 190 AND ROAD 192 AND ROUTE 190 AND WESTWOOD DRIVE)

LEGEND

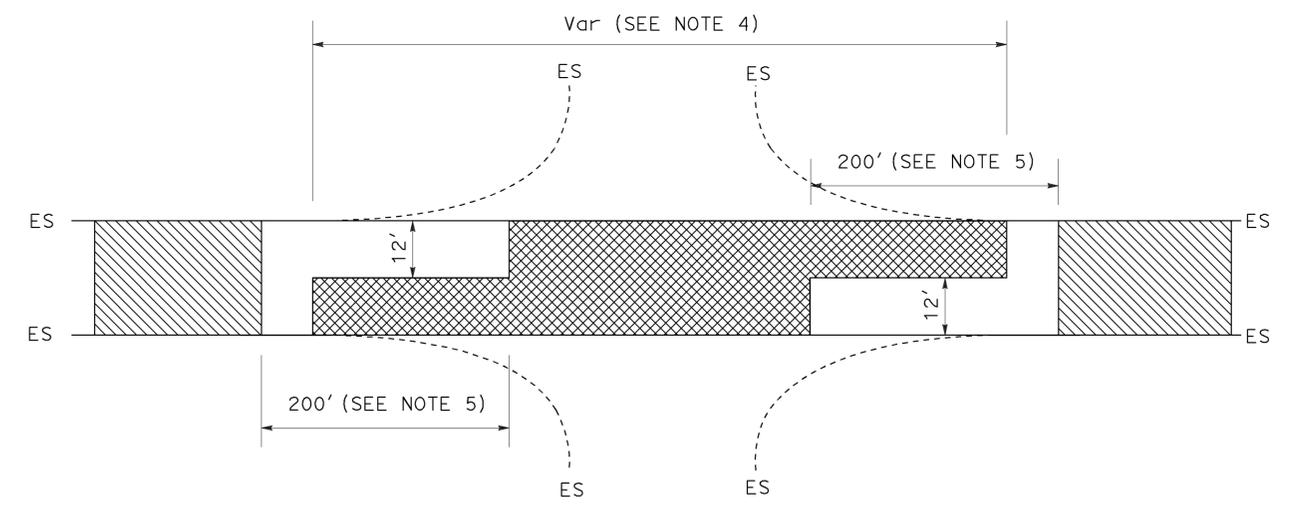
- ▨ SLURRY SEAL AREA
- ▩ COLD PLANE 0.33' AC PAVEMENT 0.33' HMA (TYPE A)



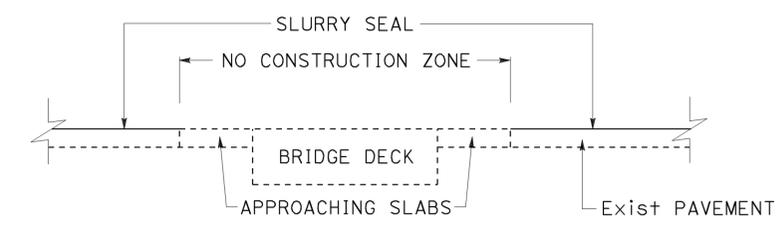
ROUTE 190
PM 8.0 TO PM R15.0



TYPICAL SLURRY SEAL LIMITS AT INTERSECTION



COLD PLANE DETAILS AND SLURRY SEAL LIMITS AT 4 WAY STOP
ROAD 192 PM 9.5
WESTWOOD DRIVE PM 13.5



TYPICAL TRANSITION AT BRIDGE APPROACH

TYPICAL CROSS SECTIONS AND CONSTRUCTION DETAILS

NO SCALE **X-1**

EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

REVISOR	DATE	REVISION
ADAM WELLS		
MARYAM RASTEGAR		
CALCULATED/DESIGNED BY	CHECKED BY	
RENE SANCHEZ		
FUNCTIONAL SUPERVISOR		
DEPARTMENT OF TRANSPORTATION		
PAVEMENT PRESERVATION		
STATE OF CALIFORNIA		

LAST REVISION DATE PLOTTED => 13-JAN-2011 12-29-10 TIME PLOTTED => 16:49

**STATIONARY MOUNTED
CONSTRUCTION AREA SIGNS**

SIGN	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"	2
(B)	W20-1	36" x 36"	ROAD WORK AHEAD	1-4" x 6"	15
(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.

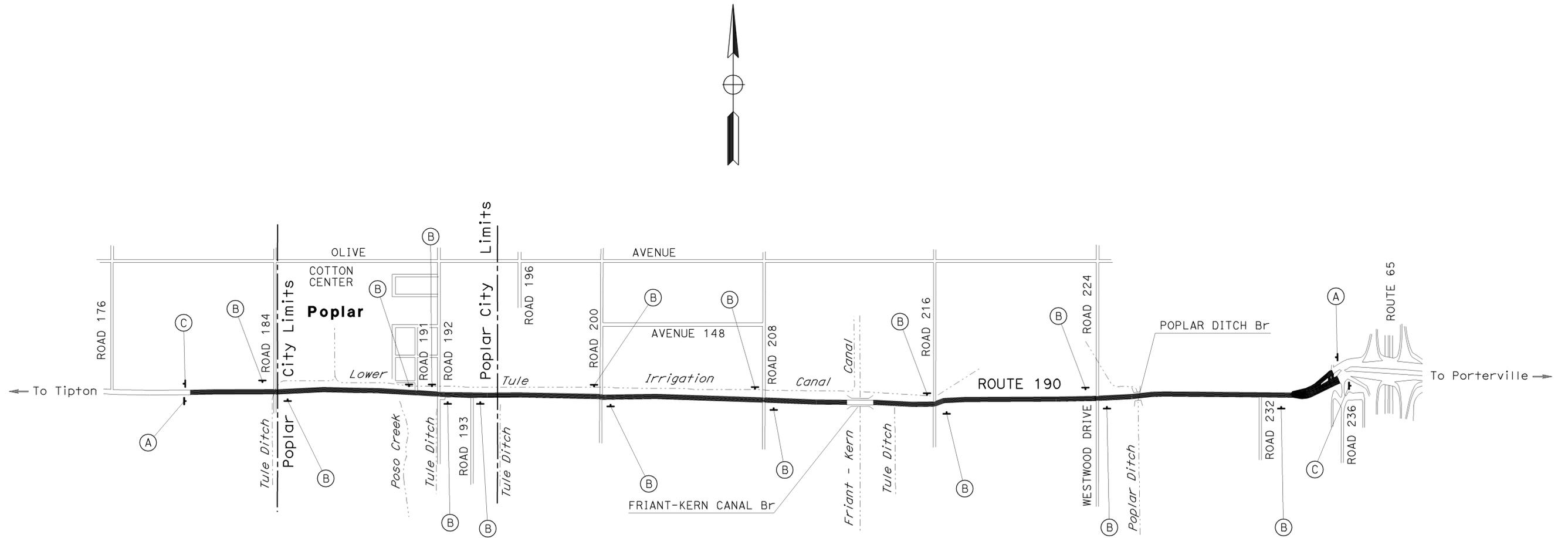
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	190	8.0/R15.0	3	8

12-29-10
 REGISTERED CIVIL ENGINEER DATE
 1-18-11
 PLANS APPROVAL DATE

MARYAM RASTEGAR
 No. 65550
 Exp. 09-30-11
 CIVIL

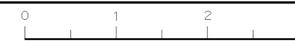
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® PAVEMENT PRESERVATION
 FUNCTIONAL SUPERVISOR RENE SANCHEZ
 CALCULATED/DESIGNED BY CHECKED BY
 ADAM WELLS MARYAM RASTEGAR
 REVISED BY DATE REVISED



THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

CONSTRUCTION AREA SIGNS
NO SCALE
CS-1

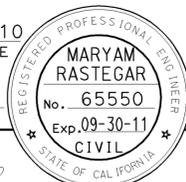


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	190	8.0/R15.0	4	8

 12-29-10
 REGISTERED CIVIL ENGINEER DATE

1-18-11
 PLANS APPROVAL DATE

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COLD PLANE ASPHALT CONCRETE PAVEMENT

LOCATION	DIRECTION	LENGTH	LANE	WIDTH	QUANTITY SQYD
		F+		F+	
ROUTE 190 PM 9.45 TO PM 9.50 (ROAD 192)	EASTBOUND	90	1	12	495*
	INTERSECTION	100	1	24	
	WESTBOUND	80	1	12	
ROUTE 190 PM 13.43 TO PM 13.47 (WESTWOOD DRIVE)	EASTBOUND	60	1	12	455*
	INTERSECTION	95	1	24	
	WESTBOUND	90	1	12	
					950*

* SEE ROADWAY QUANTITIES BELOW

ROADWAY QUANTITIES

LOCATION	COLD PLANE ASPHALT CONCRETE PAVEMENT	HMA (TYPE A)	SLURRY SEAL
	SQYD	TON	TON
ROUTE 190 PM 8.0 TO PM R15.0	950	200	2,500

PAVEMENT DELINEATION QUANTITIES

LOCATION	DETAIL No.	PAVEMENT MARKER (RETROREFLECTIVE)			THERMOPLASTIC TRAFFIC STRIPE				THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE PAVEMENT MARKER (N)
		TYPE D TWO-WAY YELLOW	TYPE G ONE-WAY CLEAR	TYPE H ONE-WAY YELLOW	4"	8"	4" (BROKEN 12-3)	4" (BROKEN 36-12)	DESCRIPTION	AREA			
		EA	EA	EA	LF	LF	LF	LF		SQFT			
ROUTE 190 PM 8.0 TO PM R15.0	6	392						18,740	2 - TYPE III (L) ARROW	84		84	392
	12		46					2,170	1 - TYPE III (R) ARROW	42		42	46
	19	303		640	14,470			14,470	5 - TYPE V ARROW	165		165	943
	22	406			9,720				19 - LIMIT LINE	1235		1235	406
	27B				70,690				23 - STOP	506		506	
	27C						6250		4 - AHEAD	124		124	
	29	105			2,490								105
	38					290					580		
SUBTOTAL		1206	46	640									
TOTAL		1892			97,370	290	6250	35,380		2156	580	2156	1892

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

SUMMARY OF QUANTITIES

NO SCALE

Q-1

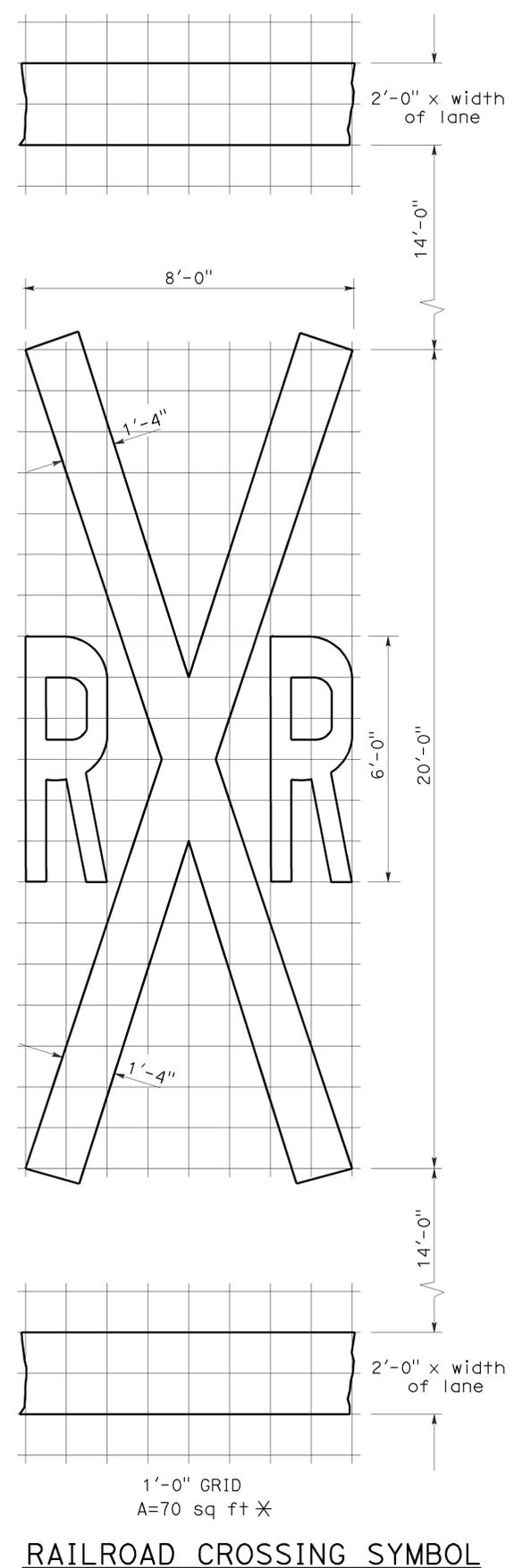
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PAVEMENT PRESERVATION
 FUNCTIONAL SUPERVISOR RENE SANCHEZ
 CALCULATED/DESIGNED BY
 CHECKED BY
 ADAM WELLS
 MARYAM RASTEGAR
 REVISED BY
 DATE REVISED

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Tul	190	8.0/R15.0	5	8

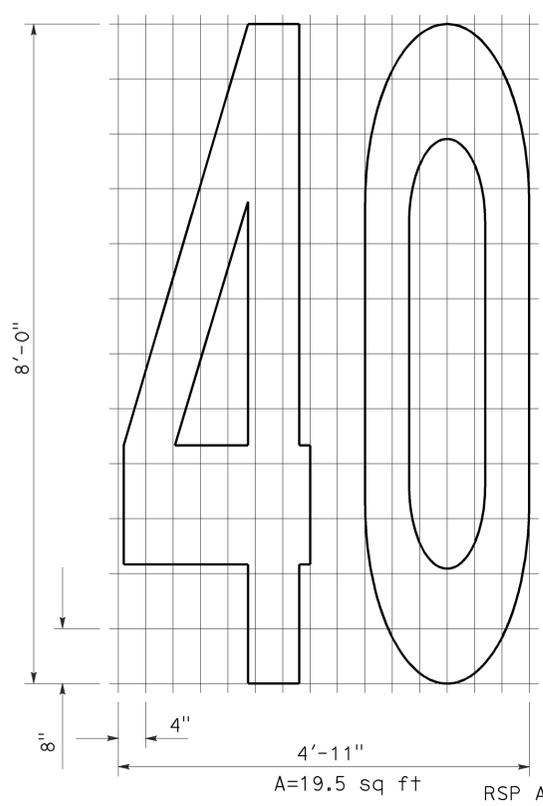
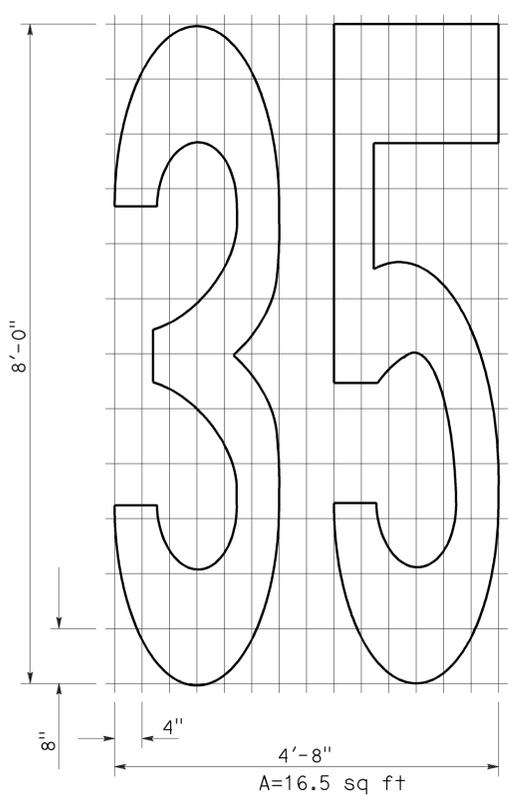
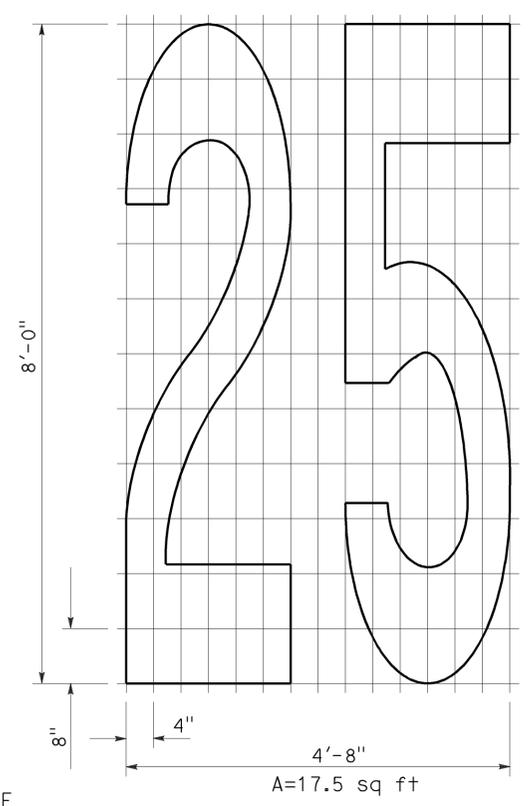
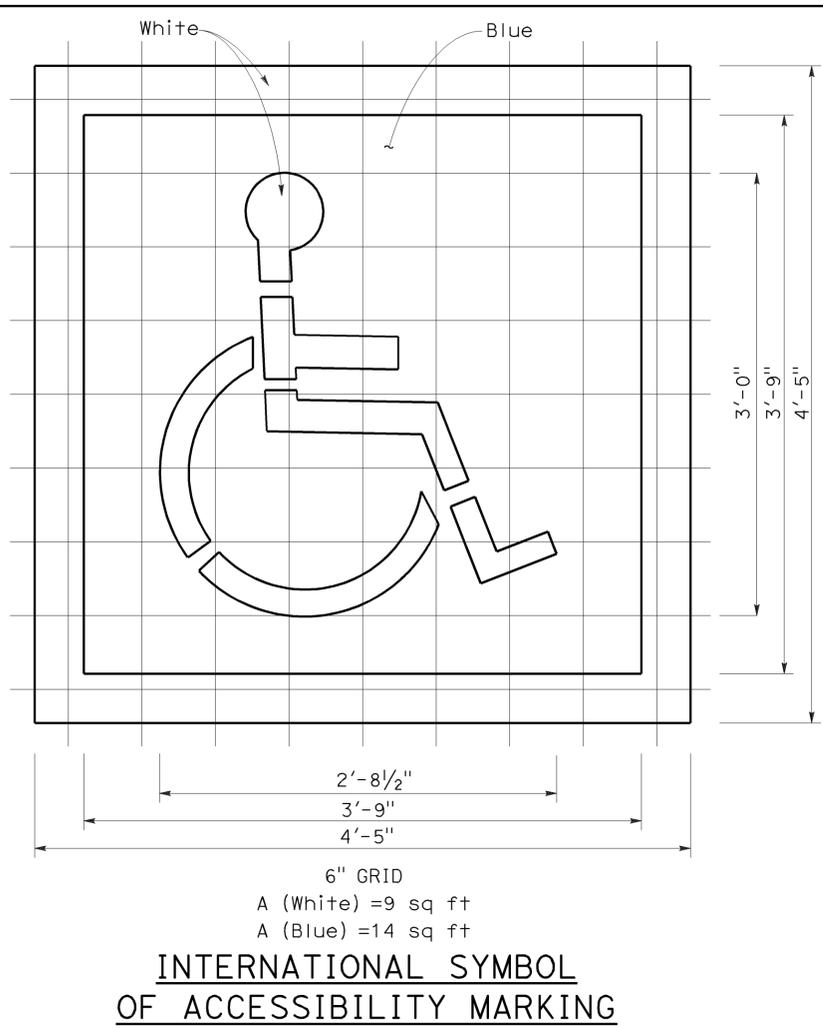
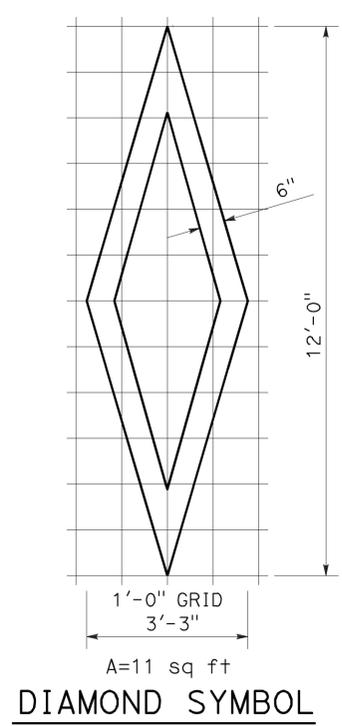
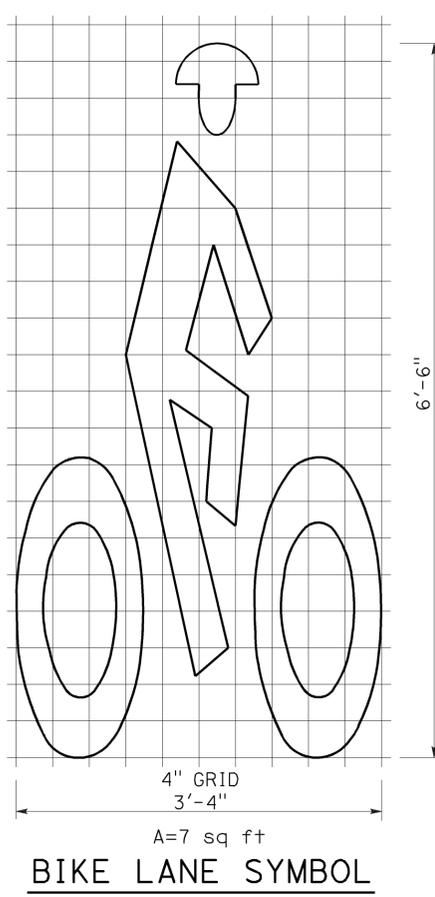
Donald E. Howe
 REGISTERED CIVIL ENGINEER
 June 6, 2008
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 Donald E. Howe
 No. C46402
 Exp. 3-31-09
 CIVIL
 STATE OF CALIFORNIA

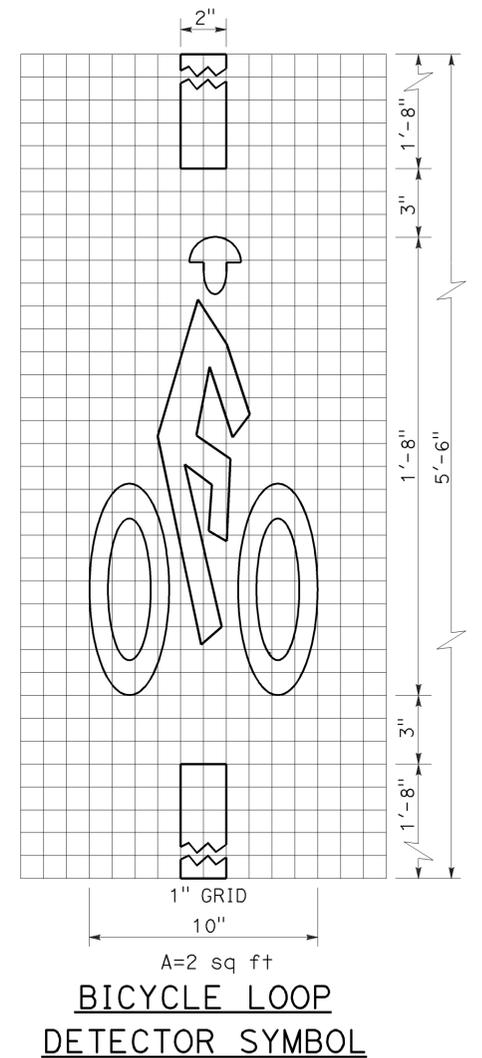
To accompany plans dated 1-18-11



✕70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



NUMERALS



NOTE:
1. Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS SYMBOLS AND NUMERALS
NO SCALE

RSP A24C DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A24C DATED MAY 1, 2006 - PAGE 11 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A24C

2006 REVISED STANDARD PLAN RSP A24C

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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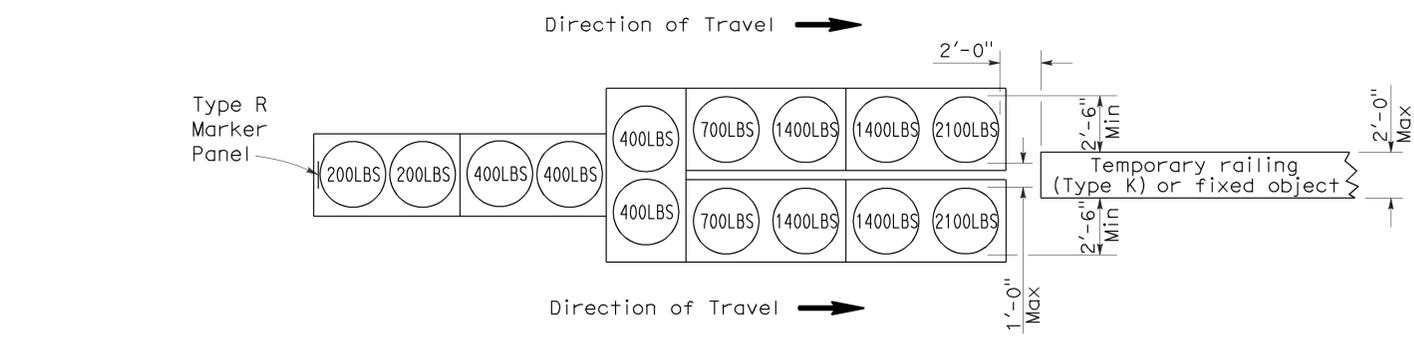
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

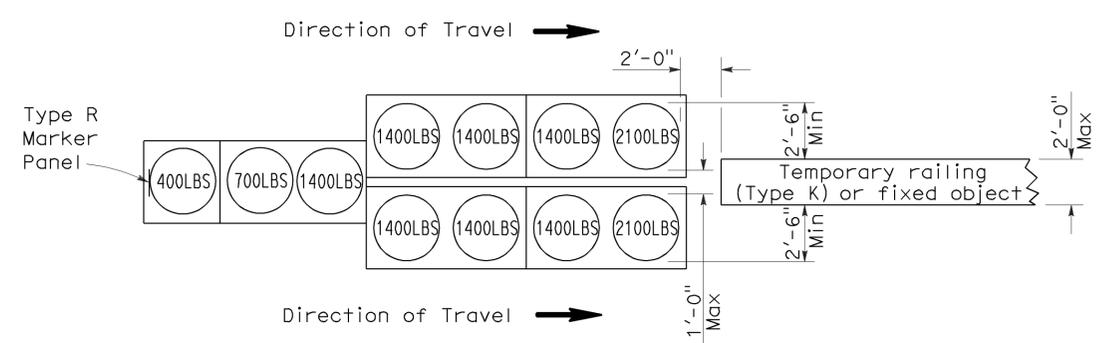
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To accompany plans dated 1-18-11



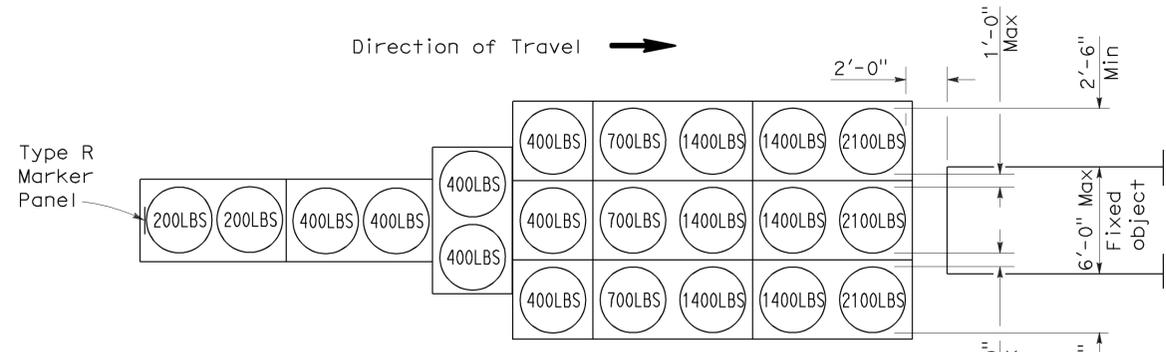
ARRAY 'TU14'

Approach speed 45 mph or more



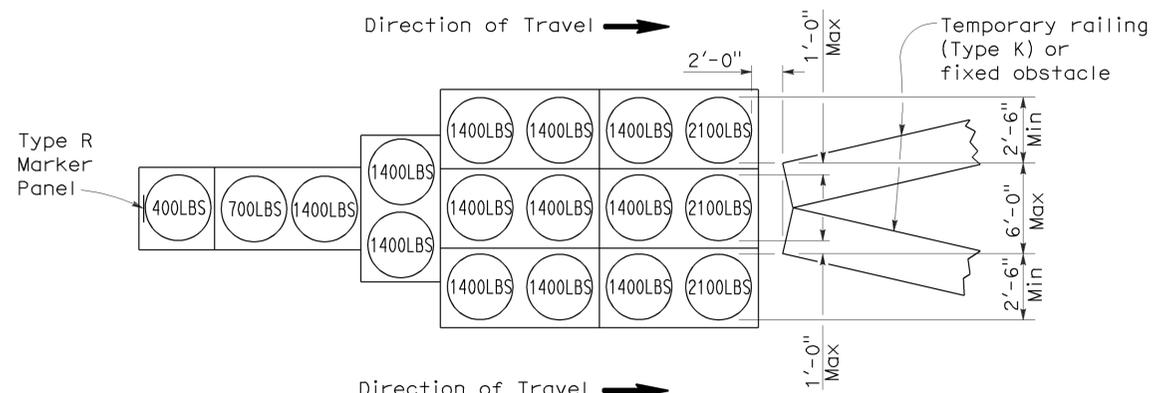
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more

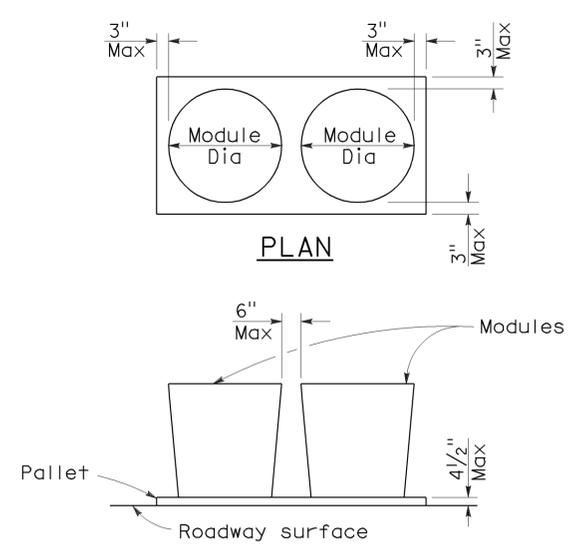


ARRAY 'TU17'

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.



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

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Tul	190	8.0/R15.0	7	8

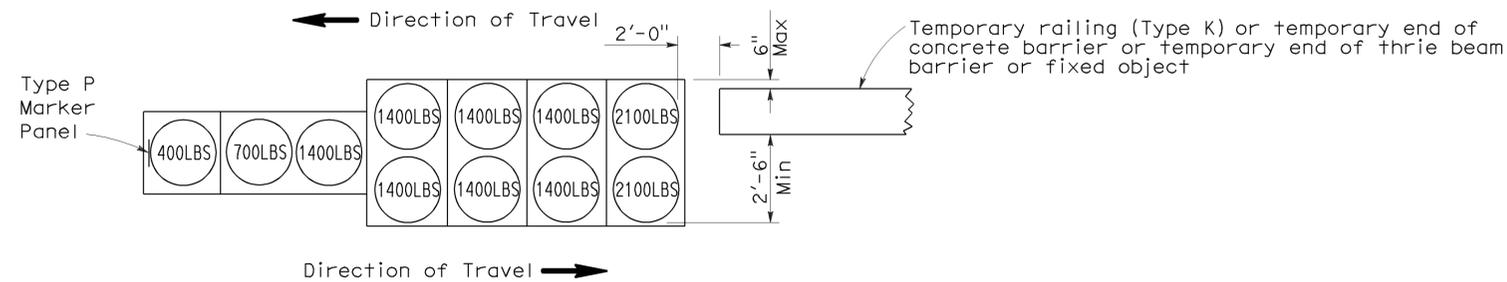
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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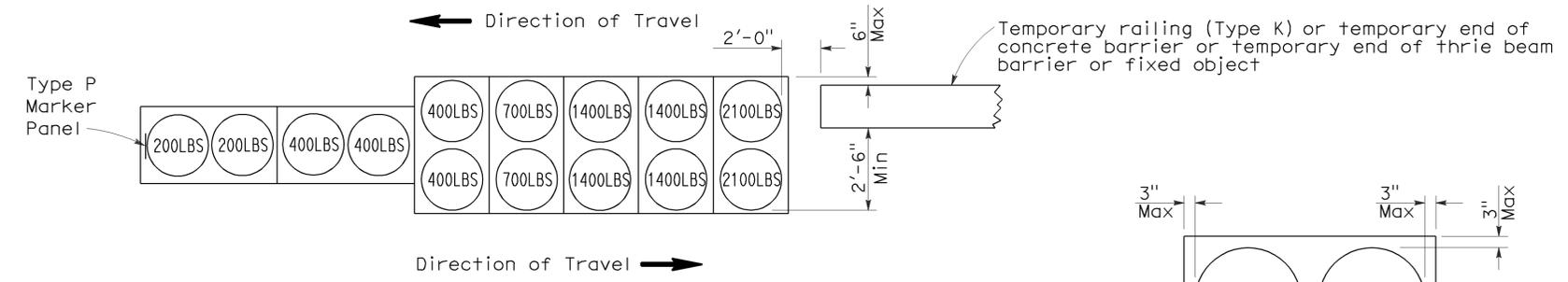
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 1-18-11



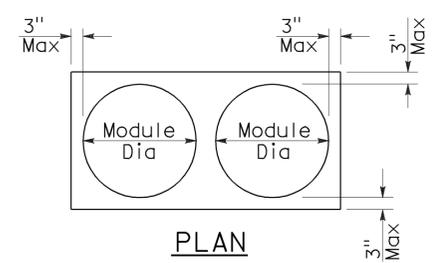
ARRAY 'TB11'

Approach speed less than 45 mph

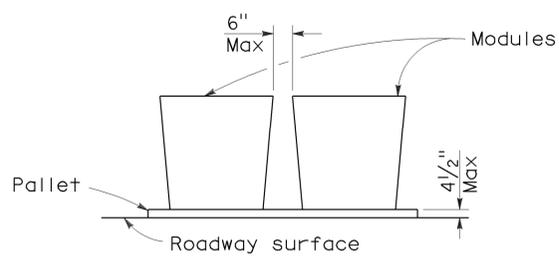


ARRAY 'TB14'

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

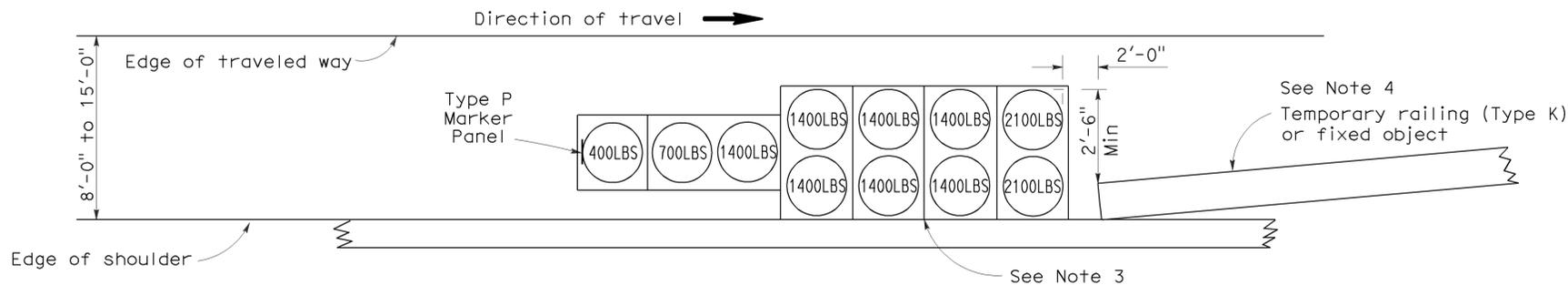
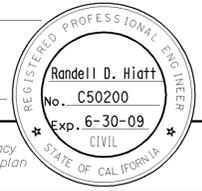
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Tul	190	8.0/R15.0	8	8

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

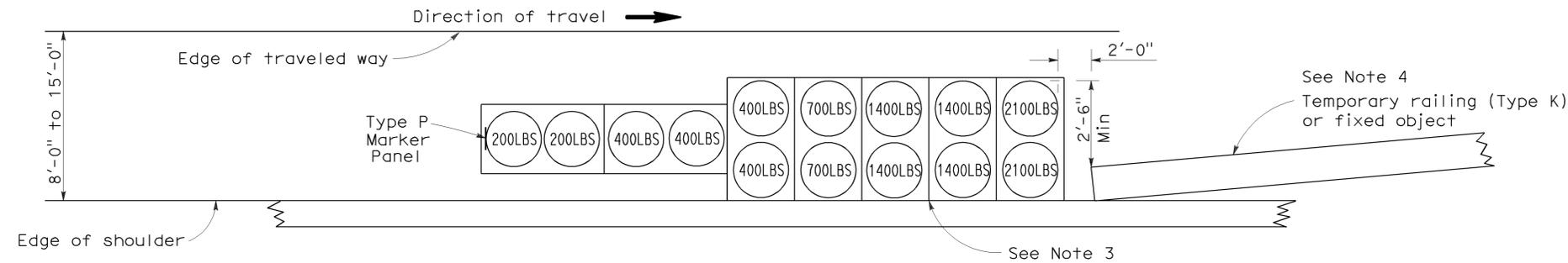
June 6, 2008
PLANS APPROVAL DATE

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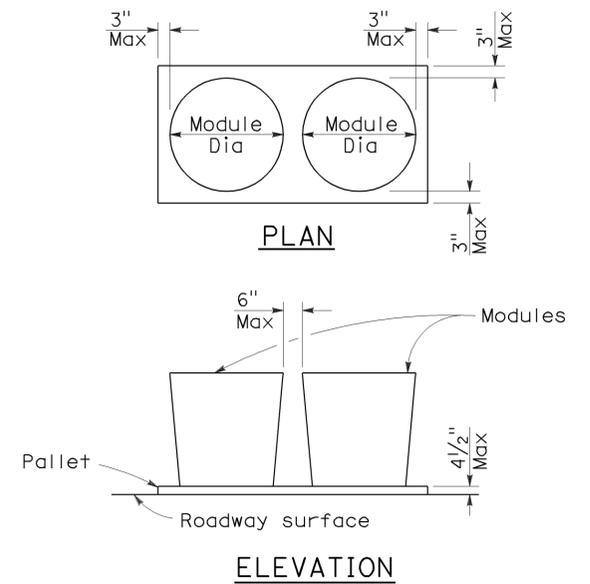
To accompany plans dated 1-18-11



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