

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	TYPICAL CROSS SECTIONS
3	CONSTRUCTION DETAILS
4	CONSTRUCTION AREA SIGNS
5-18	DETOUR PLANS
19	PAVEMENT DELINEATION QUANTITIES
20	SUMMARY OF QUANTITIES
21-23	ELECTRICAL PLANS
24-34	REVISED AND NEW STANDARD PLANS

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

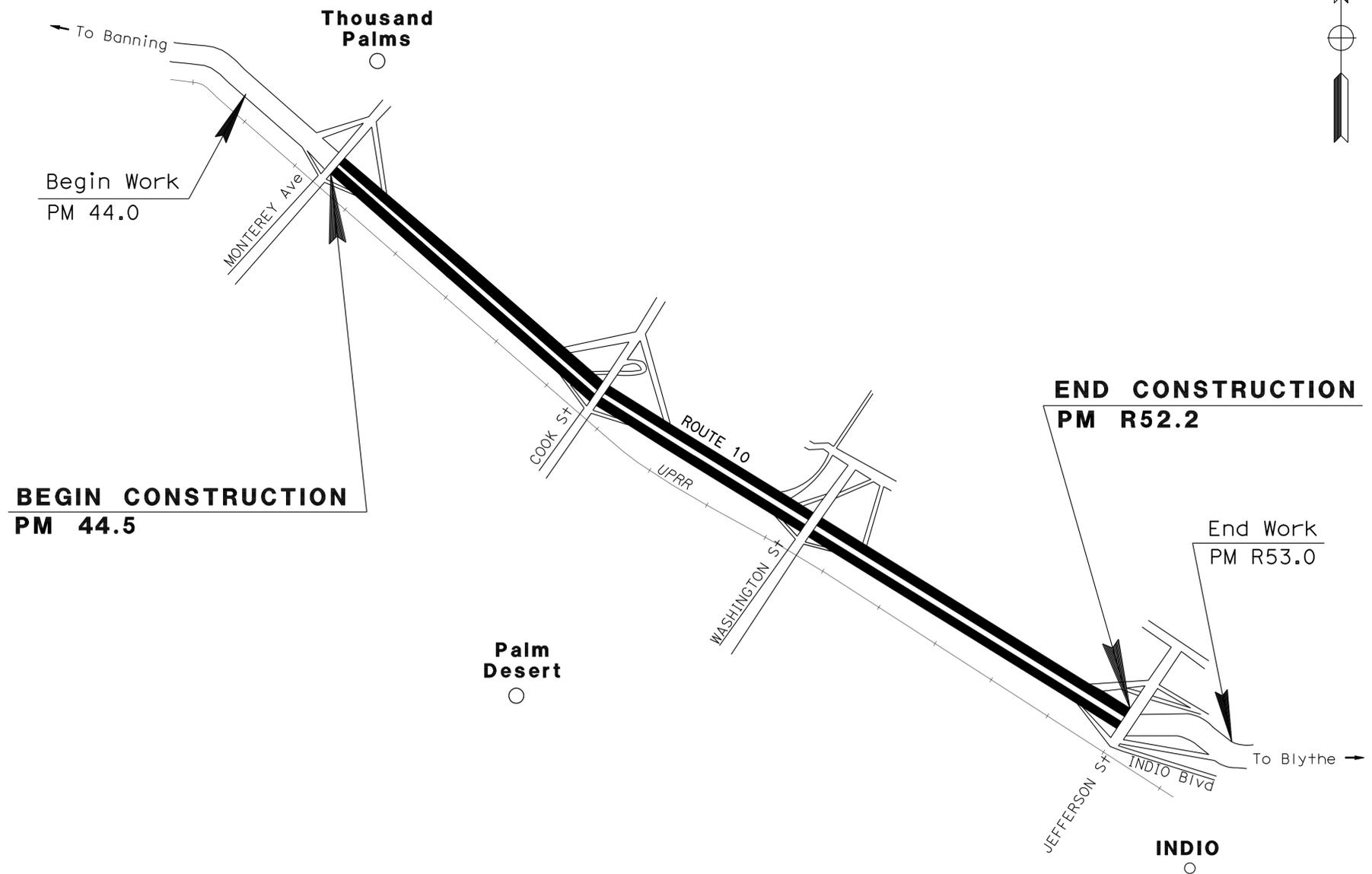
STATE OF CALIFORNIA **ACIM-010-3(107)133E**
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN RIVERSIDE COUNTY
IN AND NEAR PALM DESERT
FROM MONTEREY AVENUE TO 0.1 MILE
WEST OF JEFFERSON STREET
 TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	1	34





LOCATION MAP



PROJECT MANAGER
 CATALINO PINNG
 DESIGN ENGINEER
 IYAD NAMY

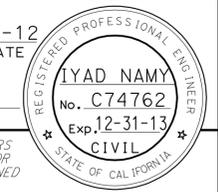

 PROJECT ENGINEER REGISTERED CIVIL ENGINEER DATE
 December 17, 2012
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 IYAD NAMY
 No. C74762
 Exp. 12-31-13
 CIVIL
 STATE OF CALIFORNIA

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

DATE PLOTTED => 17-DEC-2012 TIME PLOTTED => 11:04
 LAST REVISION 08-22-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	2	34
			8-22-12 REGISTERED CIVIL ENGINEER DATE		
			12-17-12 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.		



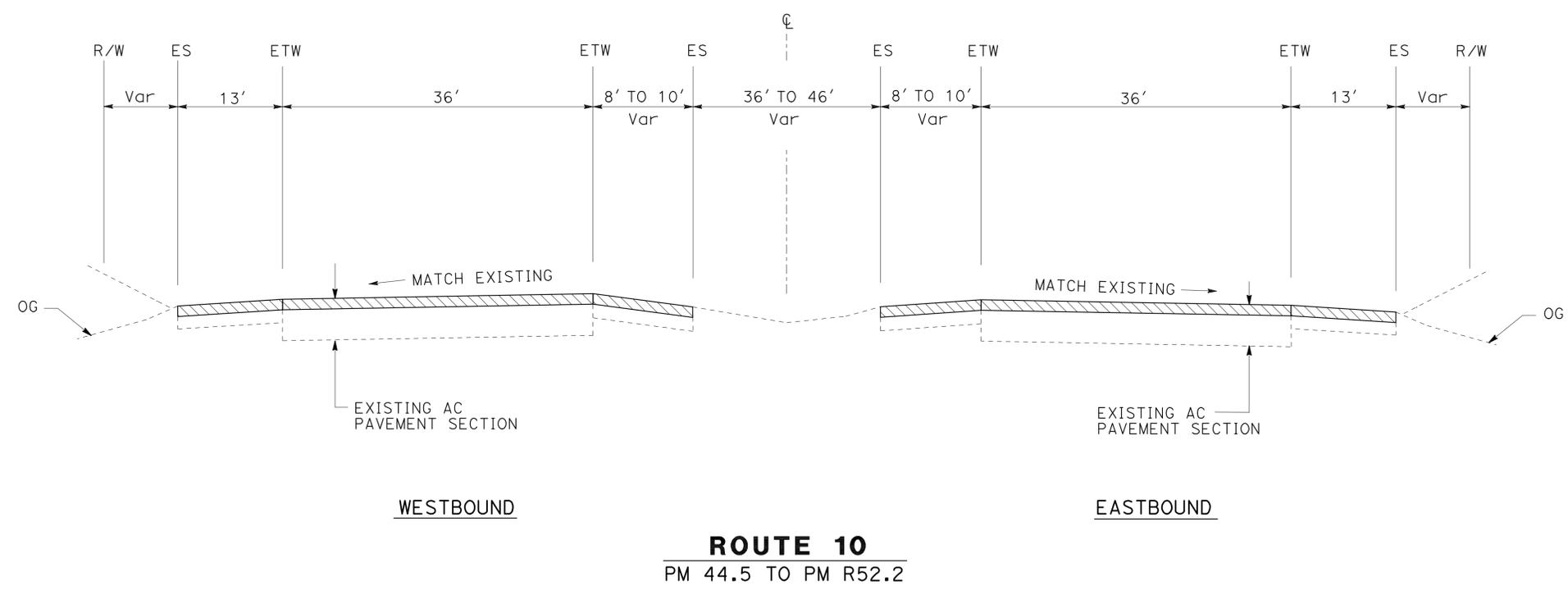
NOTES:

- DIMENSIONS OF PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- SUPERELEVATION ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.
- NO WORK SHALL BE ALLOWED ON BRIDGES.

LEGEND:



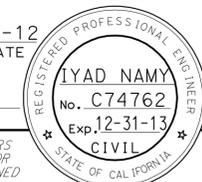
0.1' COLD PLANE AC PAVEMENT AND PLACE 0.1' RUBBERIZED HOT MIX ASPHALT, SUPERPAVE GAP GRADED (RHMA-SP-G) OVERLAY.



TYPICAL CROSS SECTIONS
NO SCALE **X-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans MAINTENANCE DESIGN	IYAD NAMY	12-17-12
FUNCTIONAL SUPERVISOR	DESIGNED BY	CHECKED BY
KUANG CHEN	KUANG CHEN	KUANG CHEN
	REVISOR	DATE
	IYAD NAMY	12-17-12
	KUANG CHEN	12-17-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	3	34

 REGISTERED CIVIL ENGINEER DATE 8-22-12		
PLANS APPROVAL DATE 12-17-12		

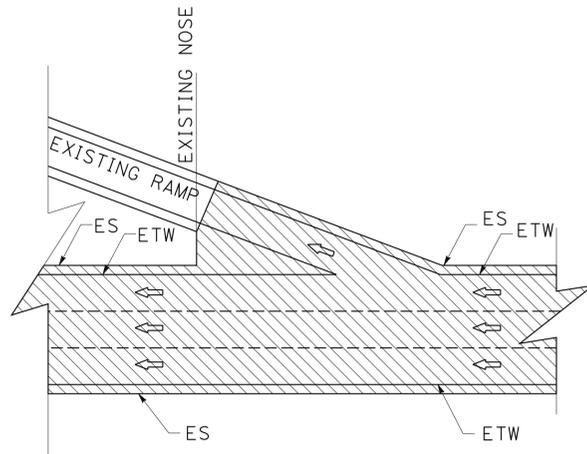
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

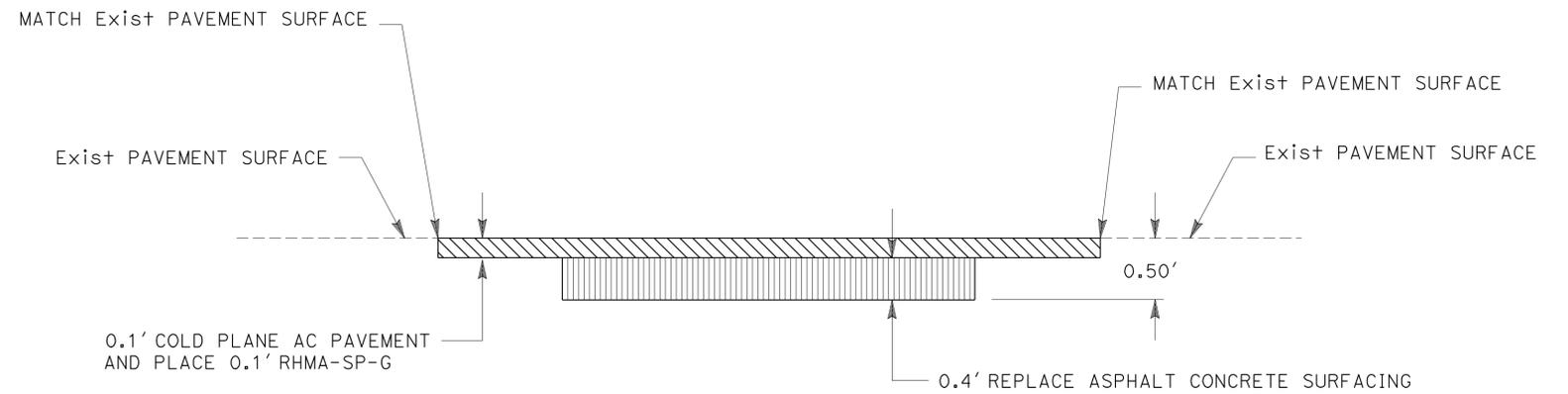
- EXACT LOCATIONS AND DIMENSIONS OF REPLACE AC SURFACING SHALL BE DETERMINED BY THE ENGINEER.

LEGEND:

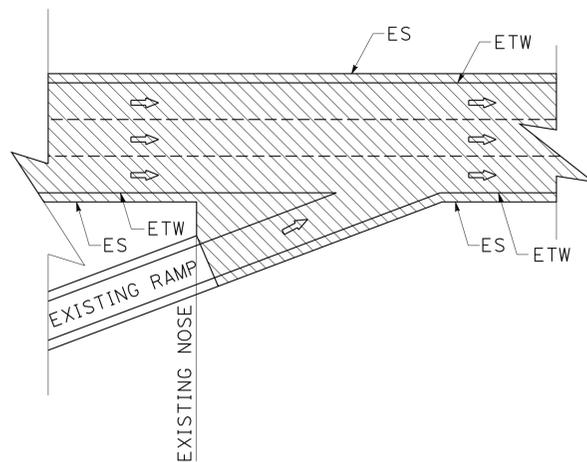
-  0.1' COLD PLANE AC PAVEMENT AND PLACE 0.1' RUBBERIZED HOT MIX ASPHALT SUPERPAVE GAP GRADED (RHMA-SP-G)
-  0.4' REPLACE ASPHALT CONCRETE SURFACING



LIMITS OF WORK OFF RAMP (TYPICAL)



LIMITS OF WORK (TYPICAL)



LIMITS OF WORK ON RAMP (TYPICAL)

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	MAINTENANCE DESIGN
FUNCTIONAL SUPERVISOR	KUANG CHEN
CALCULATED/DESIGNED BY	CHECKED BY
IYAD NAMY	PHILLIP PHAN
REVISOR	DATE
REVISOR	DATE



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	4	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE

12-17-12
 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
THANH TRINH
 No. C41189
 Exp. 3-31-13
 CIVIL
 STATE OF CALIFORNIA

NOTES:

1. LOCATION OF THE CONSTRUCTION AREA SIGNS ARE APPROXIMATE. THE EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. REFER TO STANDARD PLAN T10 & T14 FOR TRAFFIC CONTROL REQUIREMENT.
3. LOCATION OF THE PORTABLE CHANGEABLE MESSAGE SIGN WILL BE DETERMINED BY THE ENGINEER.
4. FOR ADDITIONAL CONSTRUCTION AREA SIGNS, SEE DETOUR SHEETS.

LEGEND:

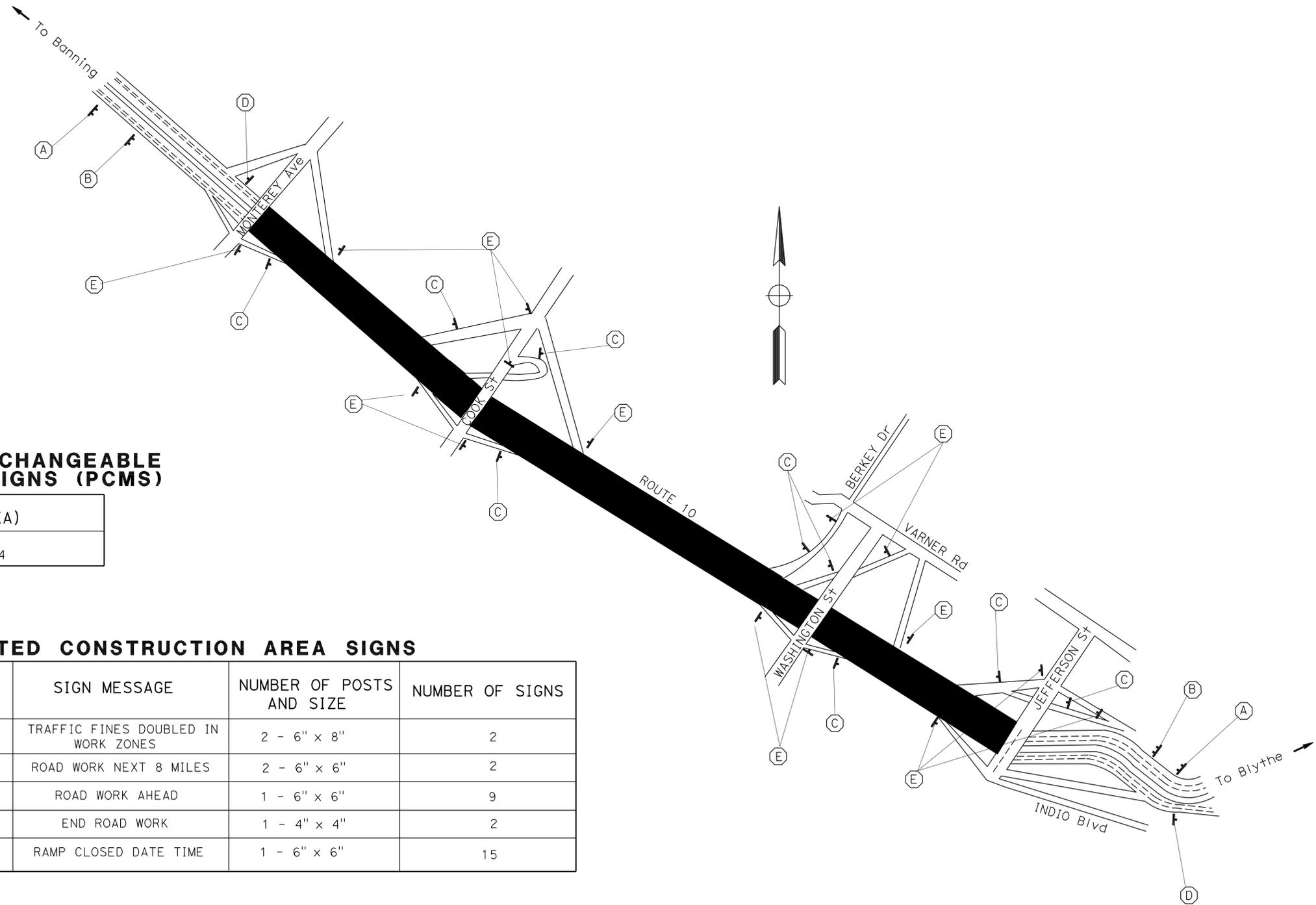
-  ONE POST SIGN
-  TWO POST SIGN
-  WORK AREA

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

(EA)
4

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. (X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
A		C40	144" x 60"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 6" x 8"	2
B		C11	90" x 48"	ROAD WORK NEXT 8 MILES	2 - 6" x 6"	2
C	W20-1		48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	9
D	G20-2		48" x 18"	END ROAD WORK	1 - 4" x 4"	2
E		SC6-4	48" x 60"	RAMP CLOSED DATE TIME	1 - 6" x 6"	15



CONSTRUCTION AREA SIGNS
NO SCALE
CS-1

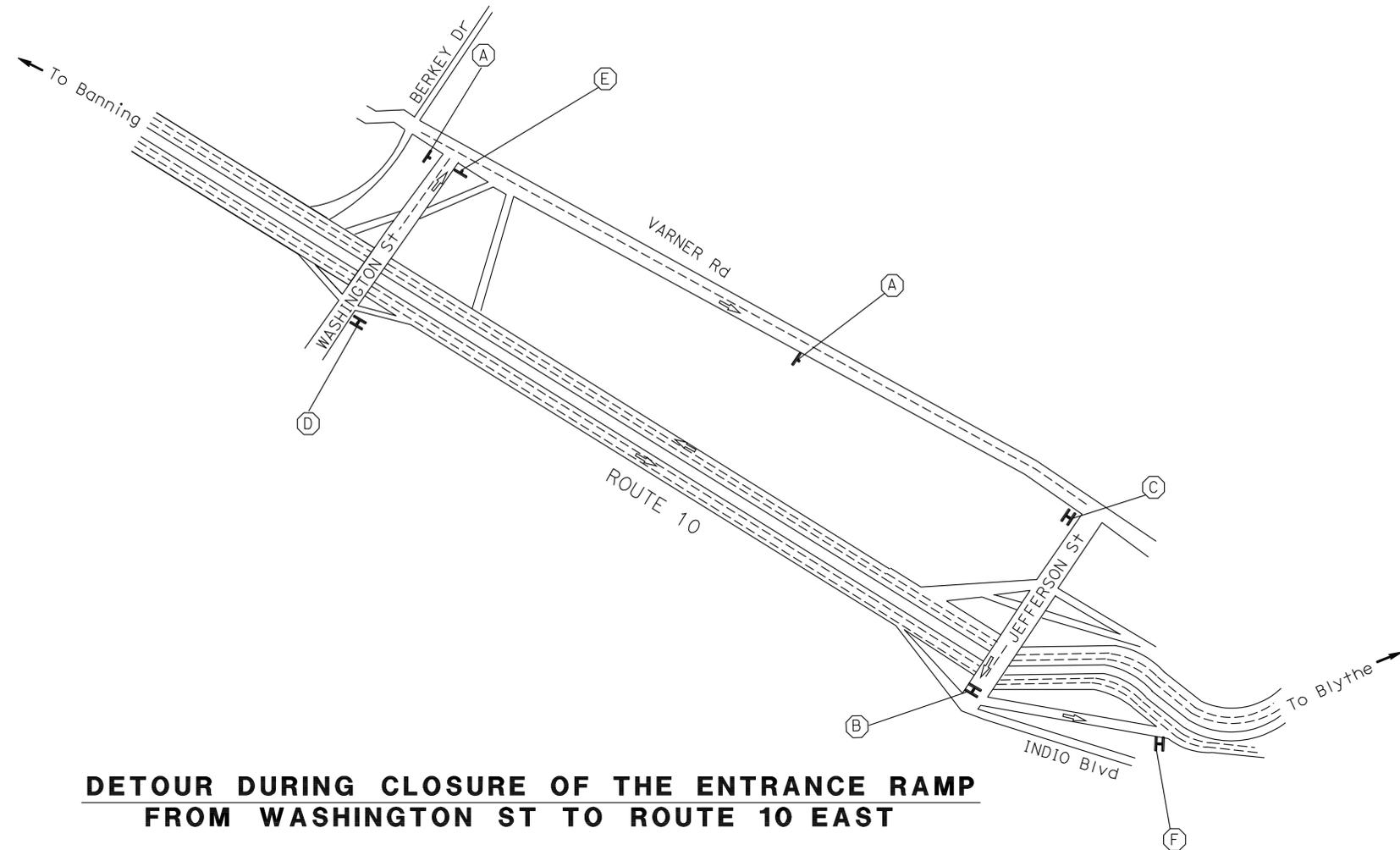
APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: BILL WASSER
 TRI TRAN: THANH TRINH
 CALCULATED/DESIGNED BY: CHECKED BY:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	5	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE
 12-17-12
 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.



**DETOUR DURING CLOSURE OF THE ENTRANCE RAMP
FROM WASHINGTON ST TO ROUTE 10 EAST**



CONSTRUCTION AREA SIGNS

SIGN NUMBER (X)	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS	TYPE III BARRICADE
						(EA)
A	SC3 (CA)	48" X 36"	STRAIGHT DETOUR	1 - 4" X 6"	1	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	EAST			
B	M4-10(LT)	48" X 36"	DETOUR (LT)	MOUNTED ON TYPE III BARRICADE		1
C	M4-10(RT)	48" X 36"	DETOUR (RT)	MOUNTED ON TYPE III BARRICADE		1
D	SC3 (CA)	48" X 36"	STRAIGHT DETOUR	MOUNTED ON TYPE III BARRICADE		1
E	M4-10(RT)	48" X 36"	DETOUR (RT)	1 - 4" X 6"	1	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	EAST			
F	M4-8a	24" X 18"	END DETOUR	ON TYPE III BARRICADE		1
TOTAL						4

TYPE III BARRICADE

LOCATION	EA
VARIOUS	56

DETOUR PLAN
NO SCALE

DE-1

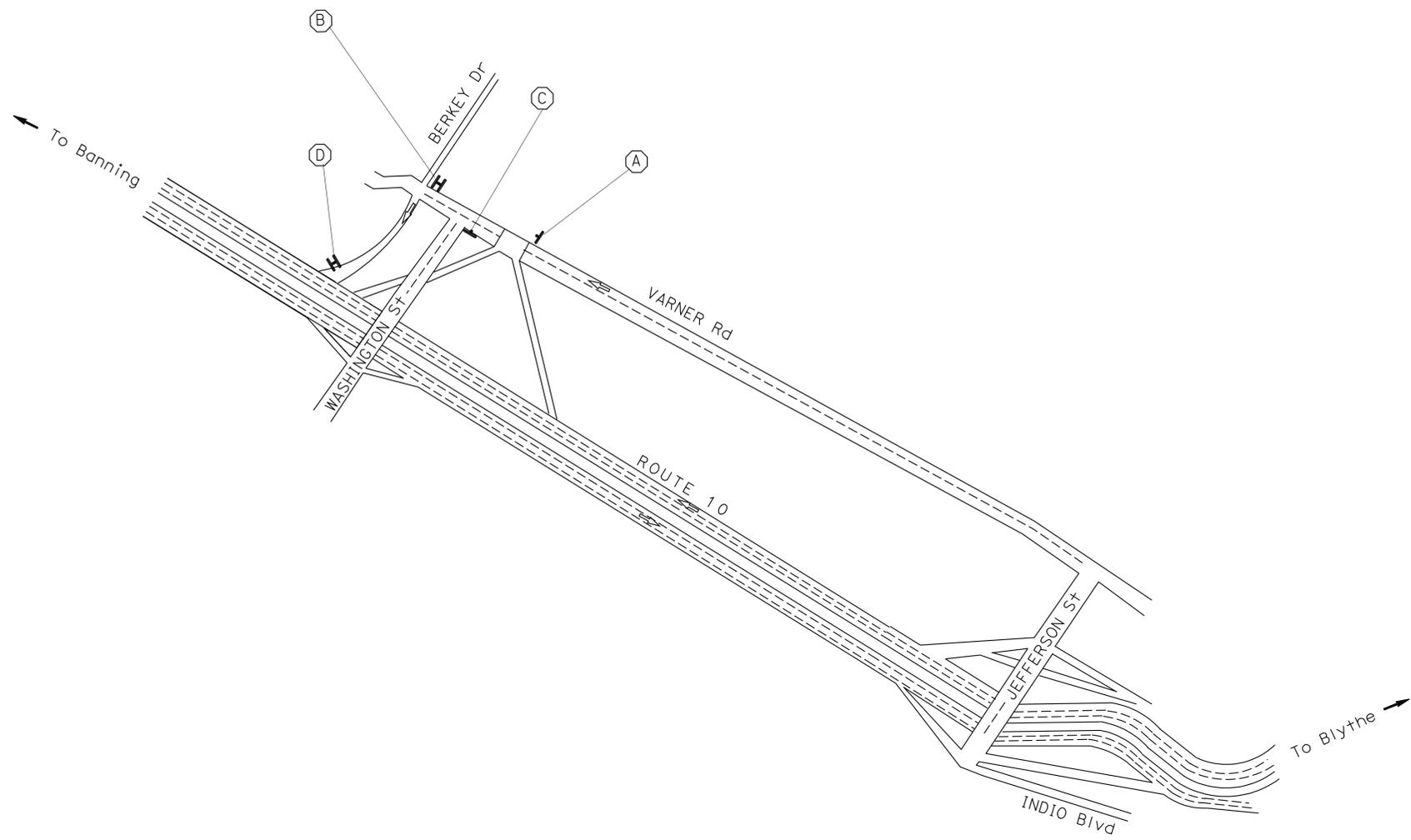
APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans TRAFFIC DESIGN	BILL WASSER	THANH TRINH	
		THANH TRINH	
		THANH TRINH	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	6	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE
 12-17-12
 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.



**DETOUR DURING CLOSURE OF THE ENTRANCE RAMP
FROM VARNER Rd TO ROUTE 10 WEST**

CONSTRUCTION AREA SIGNS

SIGN NUMBER (X)	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS	TYPE III BARRICADE
						(EA)
A	SC3 (CA)	48" X 36"	STRAIGHT DETOUR	1 - 4" x 6"	1	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	WEST			
B	M4-10(LT)	48" X 36"	DETOUR (LT)	MOUNTED ON TYPE III BARRICADE		1
	M4-10(LT)	48" X 36"	DETOUR (LT)			
C	M4-10(LT)	48" X 36"	DETOUR (LT)	1 - 4 X 6	1	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	WEST			
D	M4-8a	24" X 18"	END DETOUR	MOUNTED ON TYPE III BARRICADE		1
TOTAL						2

DETOUR PLAN
NO SCALE
DE-2

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

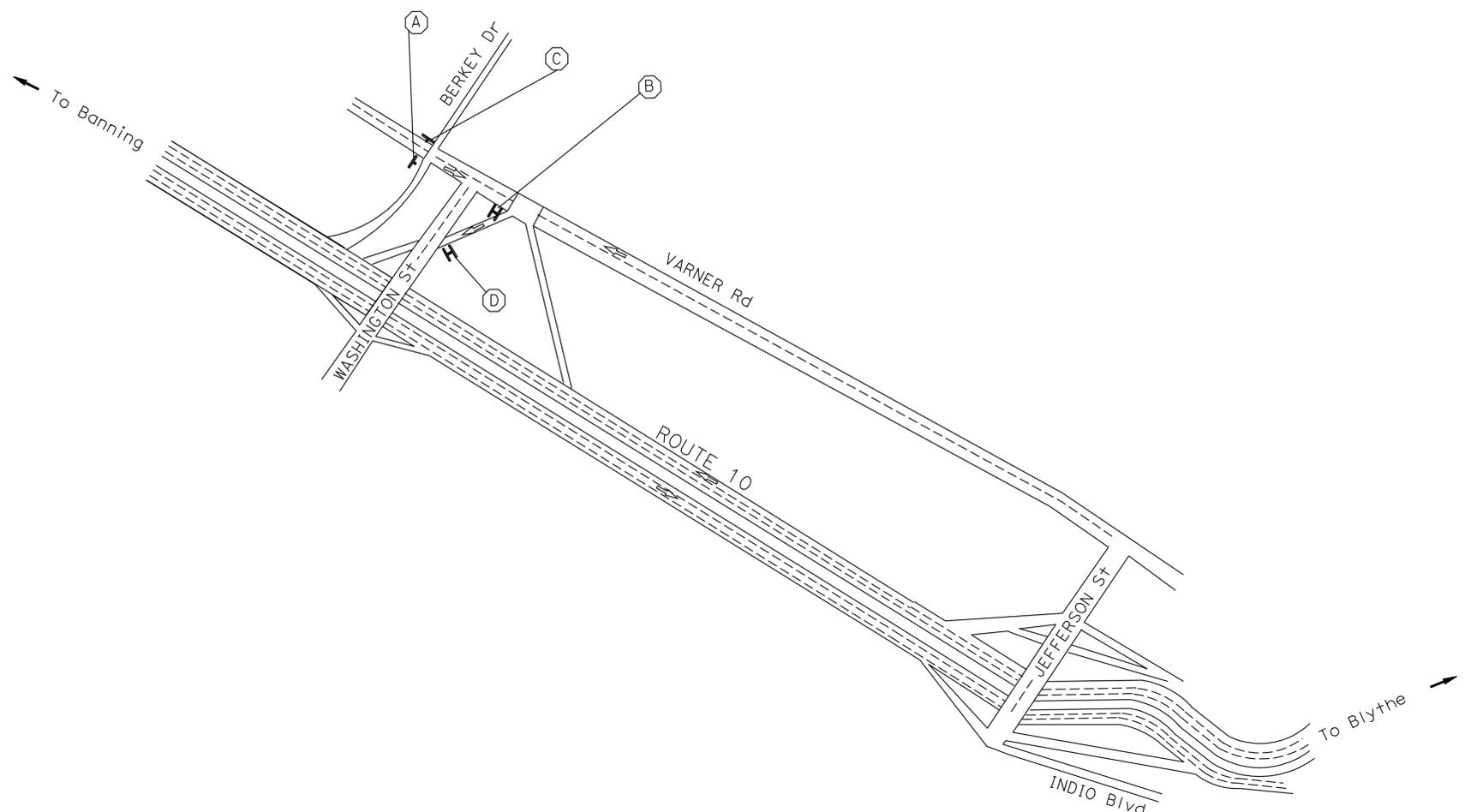
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: BILL WASSER
 CALCULATED/DESIGNED BY: TRI TRAN
 CHECKED BY: THANH TRINH
 REVISED BY: TRI TRAN
 DATE REVISED:

LAST REVISION DATE PLOTTED => 17-DEC-2012
 TIME PLOTTED => 11:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	7	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE
 12-17-12
 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.



**DETOUR DURING CLOSURE OF THE ENTRANCE RAMP
FROM BERKEY Dr TO ROUTE 10 WEST**

CONSTRUCTION AREA SIGNS

SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS	TYPE III BARRICADE
						(EA)
ⓧ						
A	SC3 (CA)	48" X 36"	STRAIGHT DETOUR	1 - 4" x 6"	1	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	WEST			
B	M4-10(RT)	48" X 36"	DETOUR (RT)	MOUNTED ON TYPE III BARRICADE		1
C	M4-10(LT)	48" X 36"	DETOUR (LT)	1 - 4" x 6"	1	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	WEST			
D	M4-8a	24" X 18"	END DETOUR	MOUNTED ON TYPE III BARRICADE		1
TOTAL						2

DETOUR PLAN
NO SCALE
DE-3

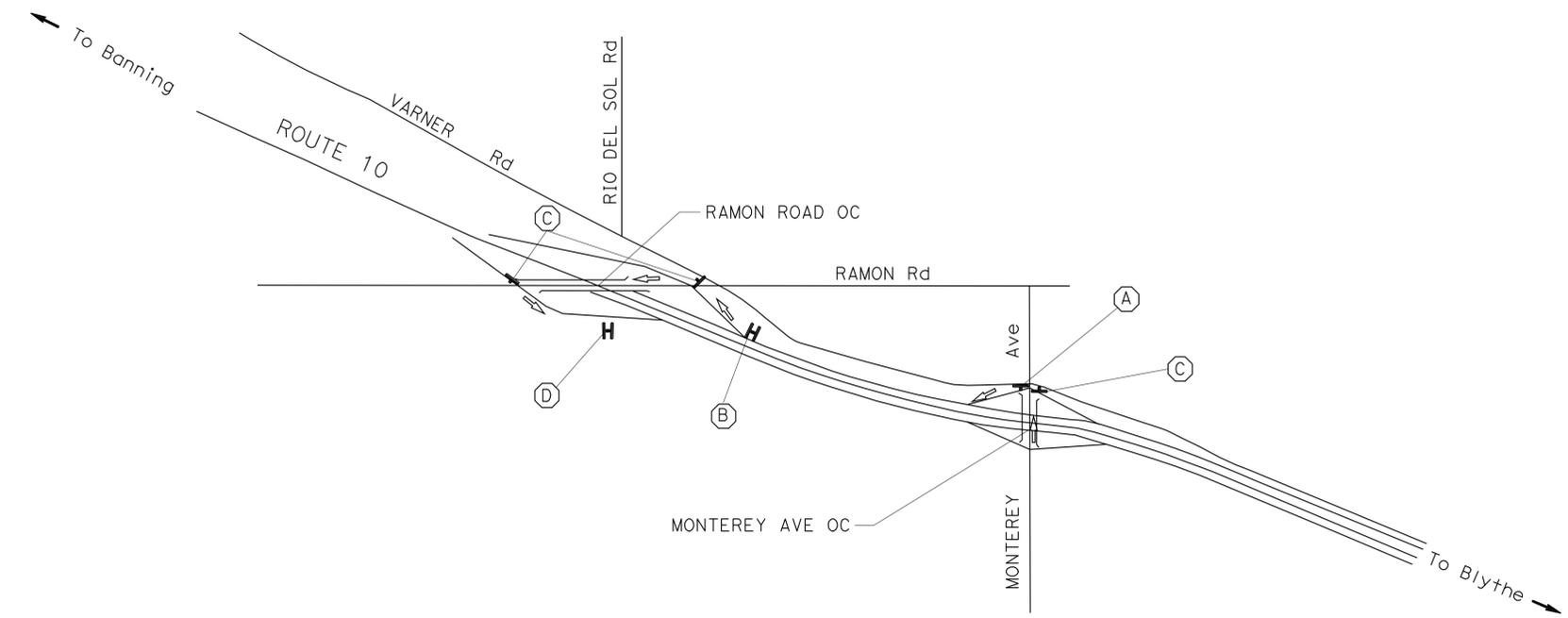
APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: BILL WASSER
 TRI TRAN
 THANH TRINH
 CALCULATED/DESIGNED BY: [Blank]
 CHECKED BY: [Blank]
 REVISED BY: [Blank]
 DATE REVISED: [Blank]

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	9	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE
 12-17-12
 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.



**DETOUR DURING CLOSURE OF THE ENTRANCE RAMP
FROM MONTEREY Ave TO ROUTE 10 EAST**

CONSTRUCTION AREA SIGNS

SIGN NUMBER ⓧ	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS	TYPE III BARRICADE
						(EA)
A	M4-10(RT)	48" X 36"	DETOUR (RT)	1 - 4" X 6"	1	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	EAST			
B	M4-10(RT)	48" X 36"	DETOUR (RT)	MOUNTED ON TYPE III BARRICADE		1
C	M4-10(LT)	48" X 36"	DETOUR (LT)	1 - 4" X 6"	3	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	EAST			
D	M4-8a	24" X 18"	END DETOUR	MOUNTED ON TYPE III BARRICADE		1
TOTAL						2

DETOUR PLAN
NO SCALE
DE-5

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

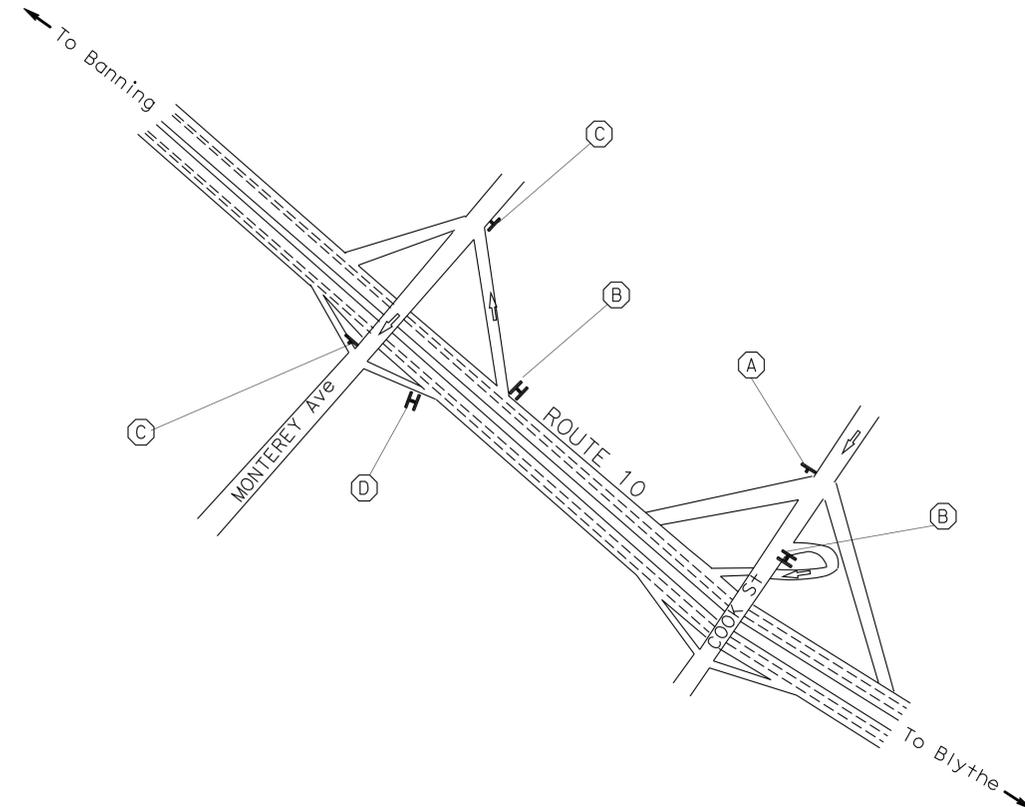
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: BILL WASSER
 TRI TRAN
 THANH TRINH
 CALCULATED/DESIGNED BY: CHECKED BY:
 REVISED BY: DATE REVISED:

LAST REVISION: DATE PLOTTED => 17-DEC-2012 TIME PLOTTED => 11:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	10	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE
 12-17-12
 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.



**DETOUR DURING CLOSURE OF THE ENTRANCE RAMP
FROM COOK St TO ROUTE 10 EAST**



CONSTRUCTION AREA SIGNS

SIGN NUMBER (X)	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS	TYPE III BARRICADE (EA)
A	M4-10(RT)	48" X 36"	DETOUR (RT)	1 - 4" x 6"	1	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	EAST			
B	M4-10(RT)	48" X 36"	DETOUR (RT)	MOUNTED ON TYPE III BARRICADE		2
C	M4-10(LT)	48" X 36"	DETOUR (LT)	1 - 4" x 6"	2	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	EAST			
D	M4-8a	24" X 18"	END DETOUR	MOUNTED ON TYPE III BARRICADE		1
TOTAL						3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: BILL WASSER
 TRI TRAN
 THANH TRINH
 CALCULATED/DESIGNED BY: [Blank]
 CHECKED BY: [Blank]
 REVISED BY: [Blank]
 DATE REVISED: [Blank]

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

DETOUR PLAN
NO SCALE
DE-6

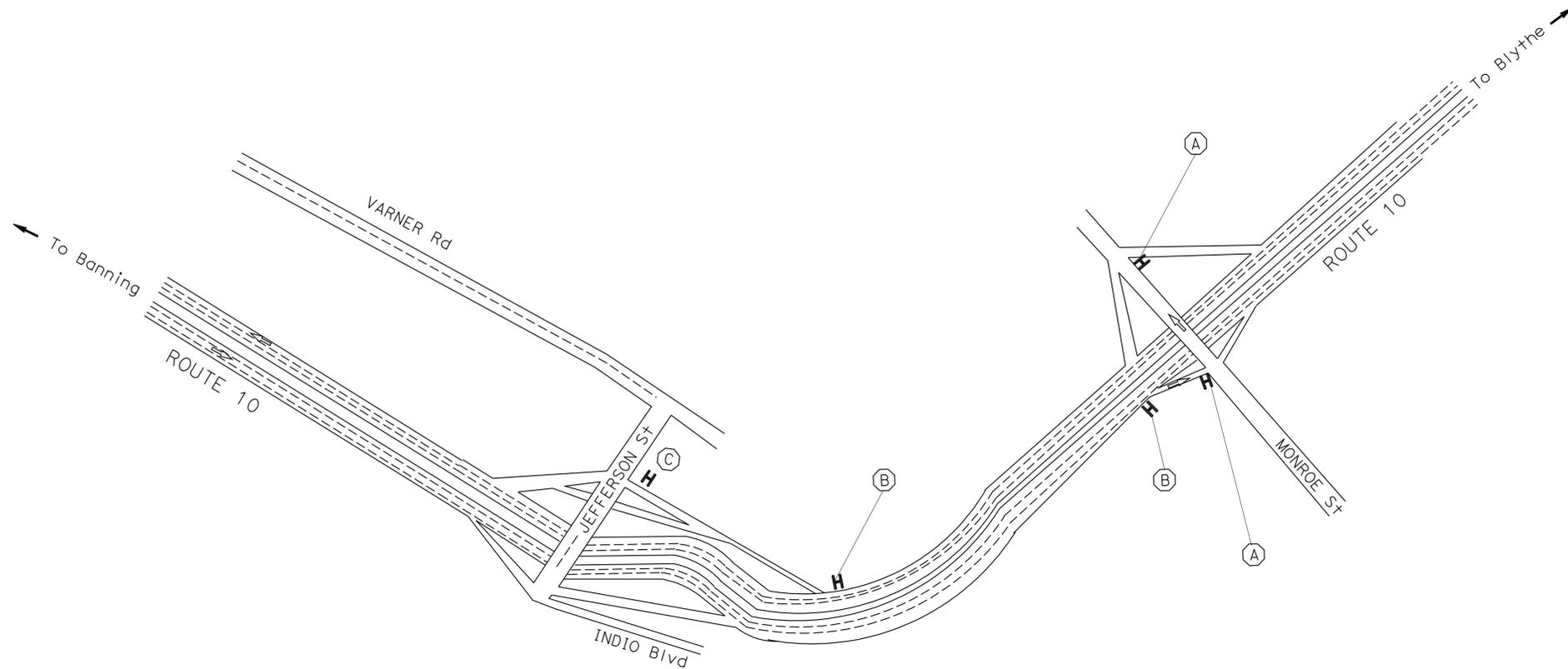
LAST REVISION: 08-22-12
 DATE PLOTTED => 17-DEC-2012
 TIME PLOTTED => 11:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	11	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE
 12-17-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
THANH TRINH
 No. C41189
 Exp. 3-31-13
 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.



**DETOUR DURING CLOSURE OF THE EXIT RAMP
FROM ROUTE 10 EB TO JEFFERSON St/INDIO Blvd**

CONSTRUCTION AREA SIGNS

SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	TYPE III BARRICADE (EA)
⊗					
A	M4-10(LT)	48" X 36"	DETOUR (LT)	MOUNTED ON TYPE III BARRICADE	2
B	M4-10(RT)	48" X 36"	DETOUR (RT)	MOUNTED ON TYPE III BARRICADE	2
C	M4-8a	24" X 18"	END DETOUR	MOUNTED ON TYPE III BARRICADE	1
TOTAL					5

DETOUR PLAN
NO SCALE
DE-7

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY



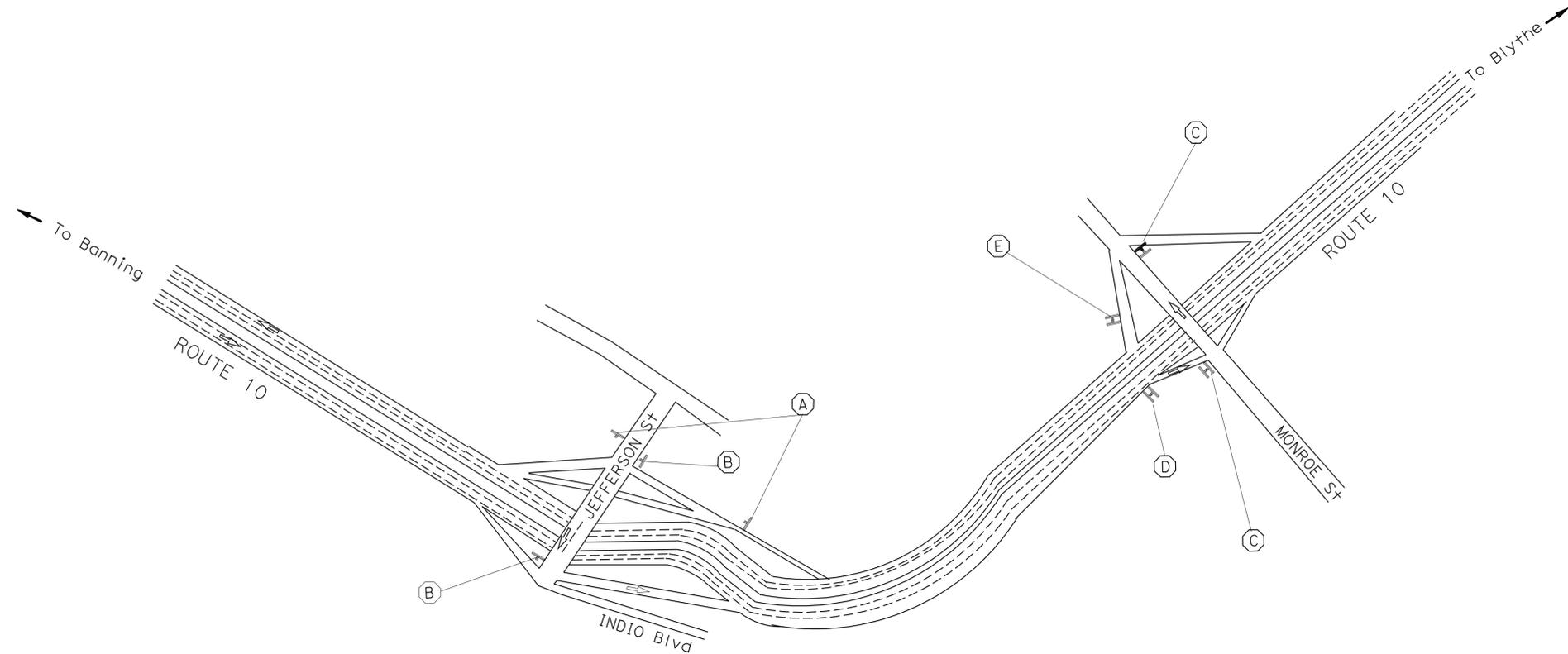
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: BILL WASSER
 CALCULATED/DESIGNED BY: TRI TRAN
 CHECKED BY: THANH TRINH
 REVISED BY: TRI TRAN
 DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	12	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE
 12-17-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
THANH TRINH
 No. C41189
 Exp. 3-31-13
 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.



**DETOUR DURING CLOSURE OF ENTRANCE RAMPs FROM
SB JEFFERSON St AND NB INDIO Blvd TO ROUTE 10 WB**

CONSTRUCTION AREA SIGNS

SIGN NUMBER (X)	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS	TYPE III BARRICADE
						(EA)
A	SC3 (CA)	48" X 36"	STRAIGHT DETOUR	1 - 4" x 6"	2	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	WEST			
B	M4-10(LT)	48" X 36"	DETOUR (LT)	1 - 4" x 6"	2	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	WEST			
C	M4-10(LT)	48" X 36"	DETOUR (LT)	MOUNTED ON TYPE III BARRICADE		2
D	M4-10(RT)	48" X 36"	DETOUR (RT)	MOUNTED ON TYPE III BARRICADE		1
E	M4-8a	24" X 18"	END DETOUR	MOUNTED ON TYPE III BARRICADE		1
TOTAL						4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: BILL WASSER
 CALCULATED/DESIGNED BY: TRI TRAN
 CHECKED BY: THANH TRINH
 REVISED BY: TRI TRAN
 DATE REVISED:

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

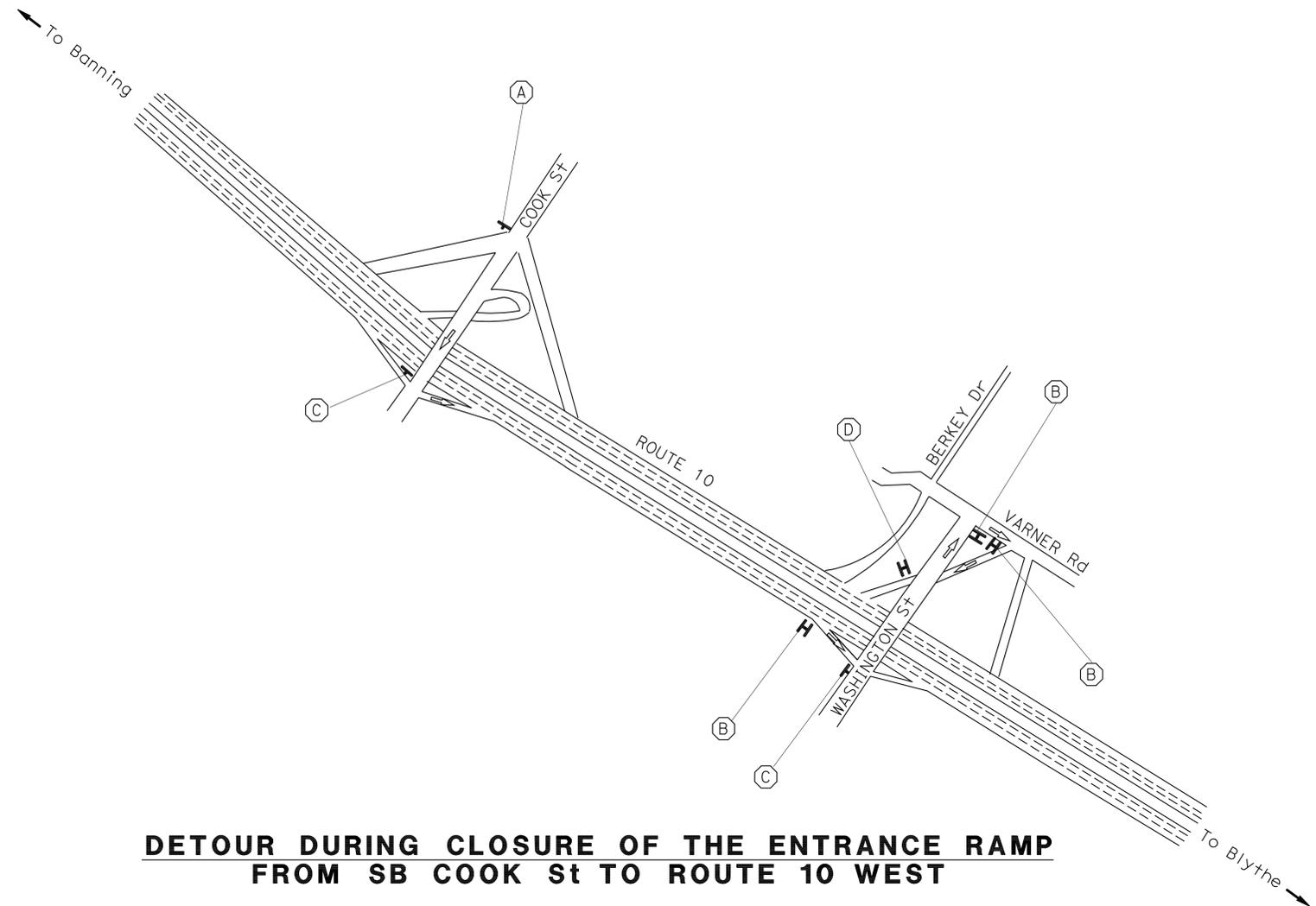
DETOUR PLAN
 NO SCALE
DE-8

LAST REVISION: 08-22-12 DATE PLOTTED => 17-DEC-2012 TIME PLOTTED => 11:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	13	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE
 12-17-12
 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.



**DETOUR DURING CLOSURE OF THE ENTRANCE RAMP
FROM SB COOK St TO ROUTE 10 WEST**

CONSTRUCTION AREA SIGNS

SIGN NUMBER (X)	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS	TYPE III BARRICADE (EA)
A	SC3(CA)	48" X 36"	STRAIGHT DETOUR	1 - 4" x 6"	1	
	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10			
	M3-2	26" X 12"	WEST			
B	M4-10(RT)	48" X 36"	DETOUR (RT)	MOUNTED ON TYPE III BARRICADE		3
	M4-10(LT)	48" X 36"	DETOUR (LT)			
C	G27-2 (CA)	24" X 24"	INTERSTATE ROUTE 10	1 - 4" x 6"	2	
	M3-2	26" X 12"	WEST			
	D	M4-8a	24" X 18"			
TOTAL						4

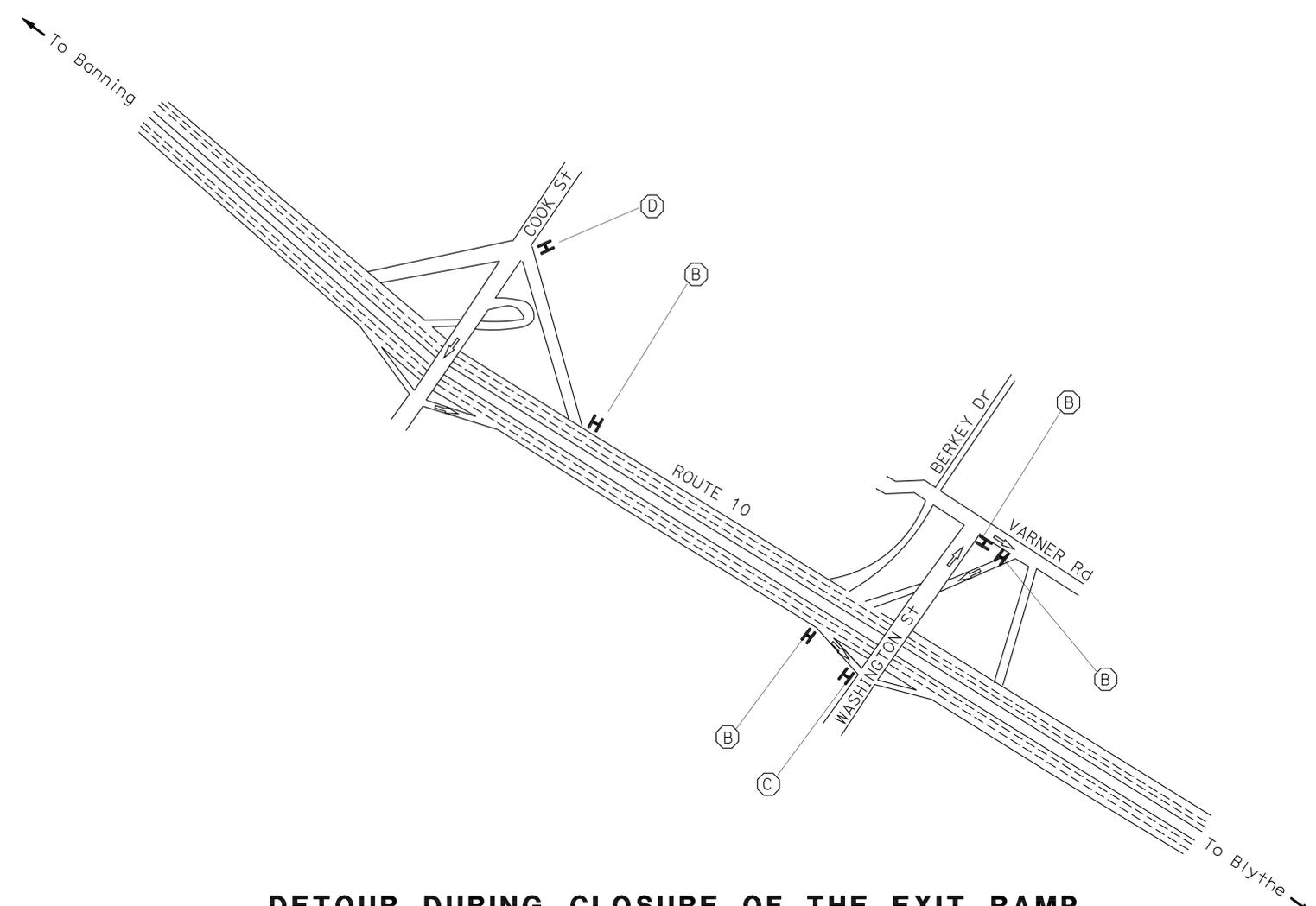
DETOUR PLAN
NO SCALE
DE-9

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: BILL WASSER
 TRI TRAN
 THANH TRINH
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 REVISED BY: [blank]
 DATE REVISED: [blank]

LAST REVISION: [blank]
 DATE PLOTTED => 17-DEC-2012
 TIME PLOTTED => 11:04



**DETOUR DURING CLOSURE OF THE EXIT RAMP
FROM ROUTE 10 EAST AT COOK St**

CONSTRUCTION AREA SIGNS

SIGN NUMBER (X)	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	TYPE III BARRICADE
					(EA)
B	M4-10(RT)	48" X 36"	DETOUR (RT)	MOUNTED ON TYPE III BARRICADE	4
C	M4-10(LT)	48" X 36"	DETOUR (LT)	MOUNTED ON TYPE III BARRICADE	1
D	M4-8a	24" X 18"	END DETOUR	MOUNTED ON TYPE III BARRICADE	1
TOTAL					6

DETOUR PLAN
NO SCALE
DE-10

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

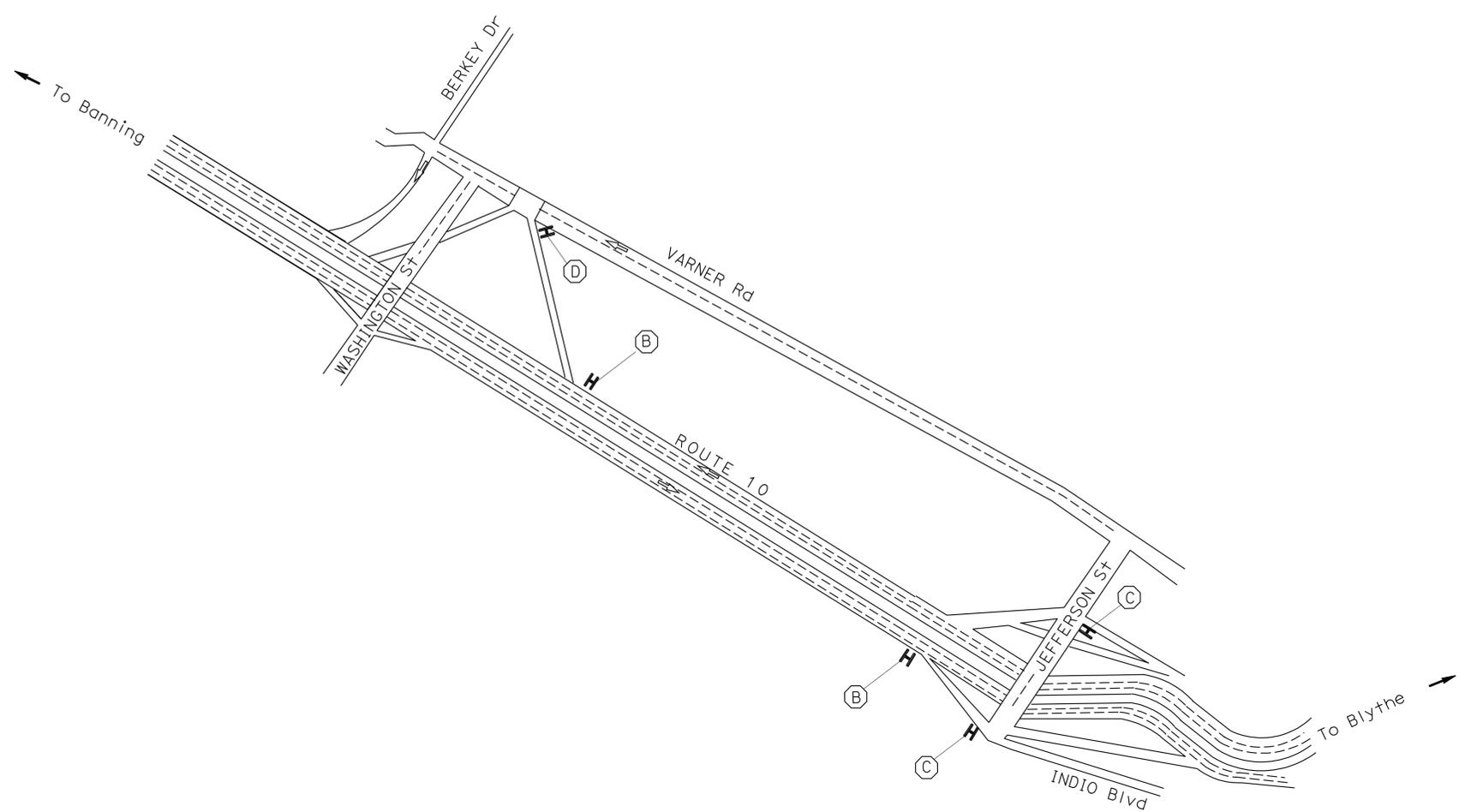
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: BILL WASSER
 CALCULATED/DESIGNED BY: TRI TRAN
 CHECKED BY: THANH TRINH
 REVISED BY: TRI TRAN
 DATE REVISED: THANH TRINH

LAST REVISION: 08-22-12
 DATE PLOTTED => 17-DEC-2012
 TIME PLOTTED => 11:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	15	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE
 12-17-12
 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.



**DETOUR DURING CLOSURE OF THE EXIT RAMP
FROM ROUTE 10 EAST AT WASHINGTON St**

CONSTRUCTION AREA SIGNS

SIGN NUMBER (X)	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	TYPE III BARRICADE
					(EA)
B	M4-10(RT)	48" X 36"	DETOUR (RT)	MOUNTED ON TYPE III BARRICADE	2
C	M4-10(LT)	48" X 36"	DETOUR (LT)	MOUNTED ON TYPE III BARRICADE	2
D	M4-8a	24" X 18"	END DETOUR	MOUNTED ON TYPE III BARRICADE	1
TOTAL					5

DETOUR PLAN
NO SCALE
DE-11

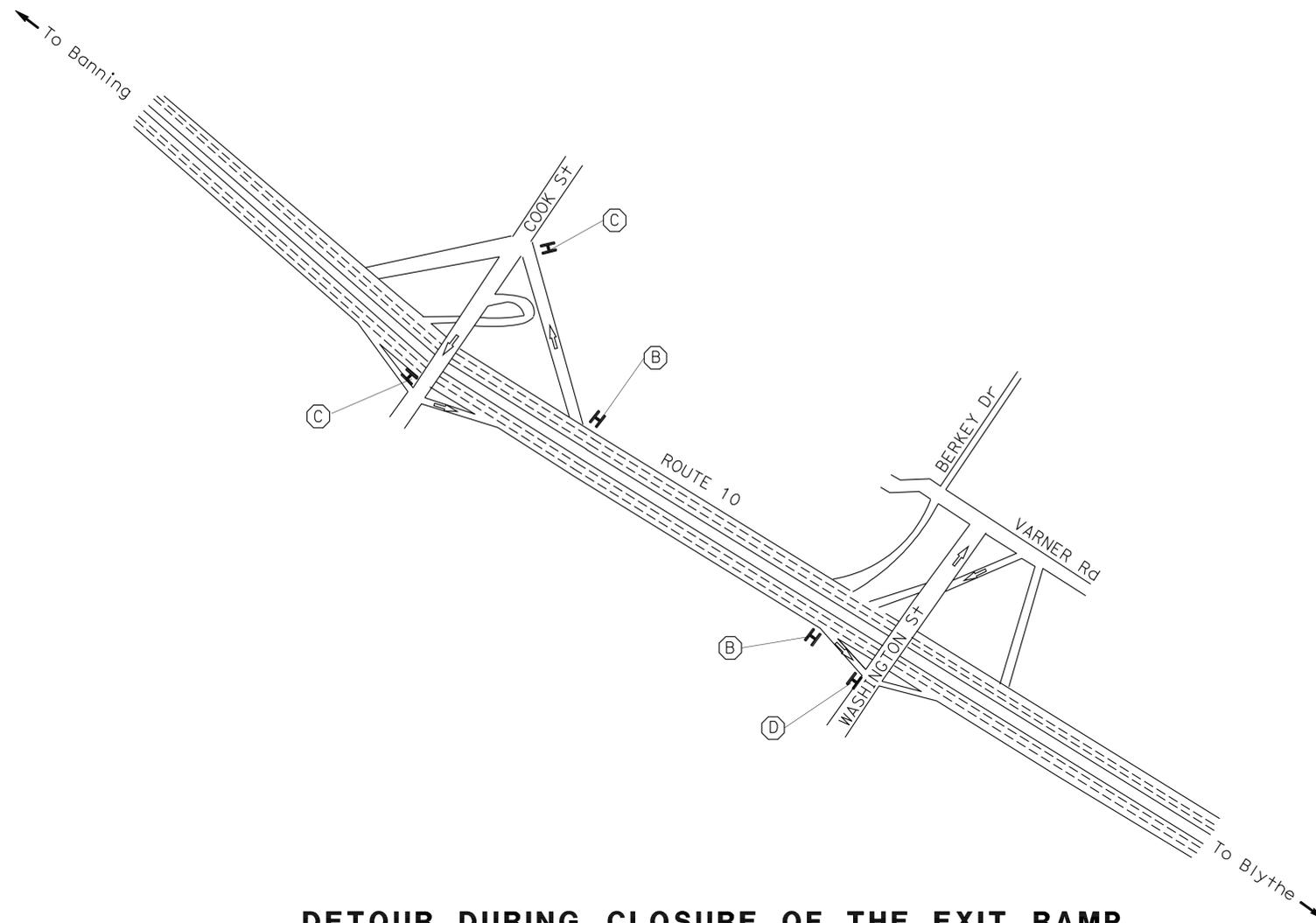
APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: BILL WASSER
 CALCULATED/DESIGNED BY: TRI TRAN
 CHECKED BY: THANH TRINH
 REVISED BY: TRI TRAN
 DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	16	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE
 12-17-12
 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.



**DETOUR DURING CLOSURE OF THE EXIT RAMP
FROM ROUTE 10 WEST AT WASHINGTON St**

CONSTRUCTION AREA SIGNS

SIGN NUMBER (X)	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	TYPE III BARRICADE
					(EA)
B	M4-10(RT)	48" X 36"	DETOUR (RT)	MOUNTED ON TYPE III BARRICADE	2
C	M4-10(LT)	48" X 36"	DETOUR (LT)	MOUNTED ON TYPE III BARRICADE	2
D	M4-8a	24" X 18"	END DETOUR	MOUNTED ON TYPE III BARRICADE	1
TOTAL					5

DETOUR PLAN
NO SCALE
DE-12

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

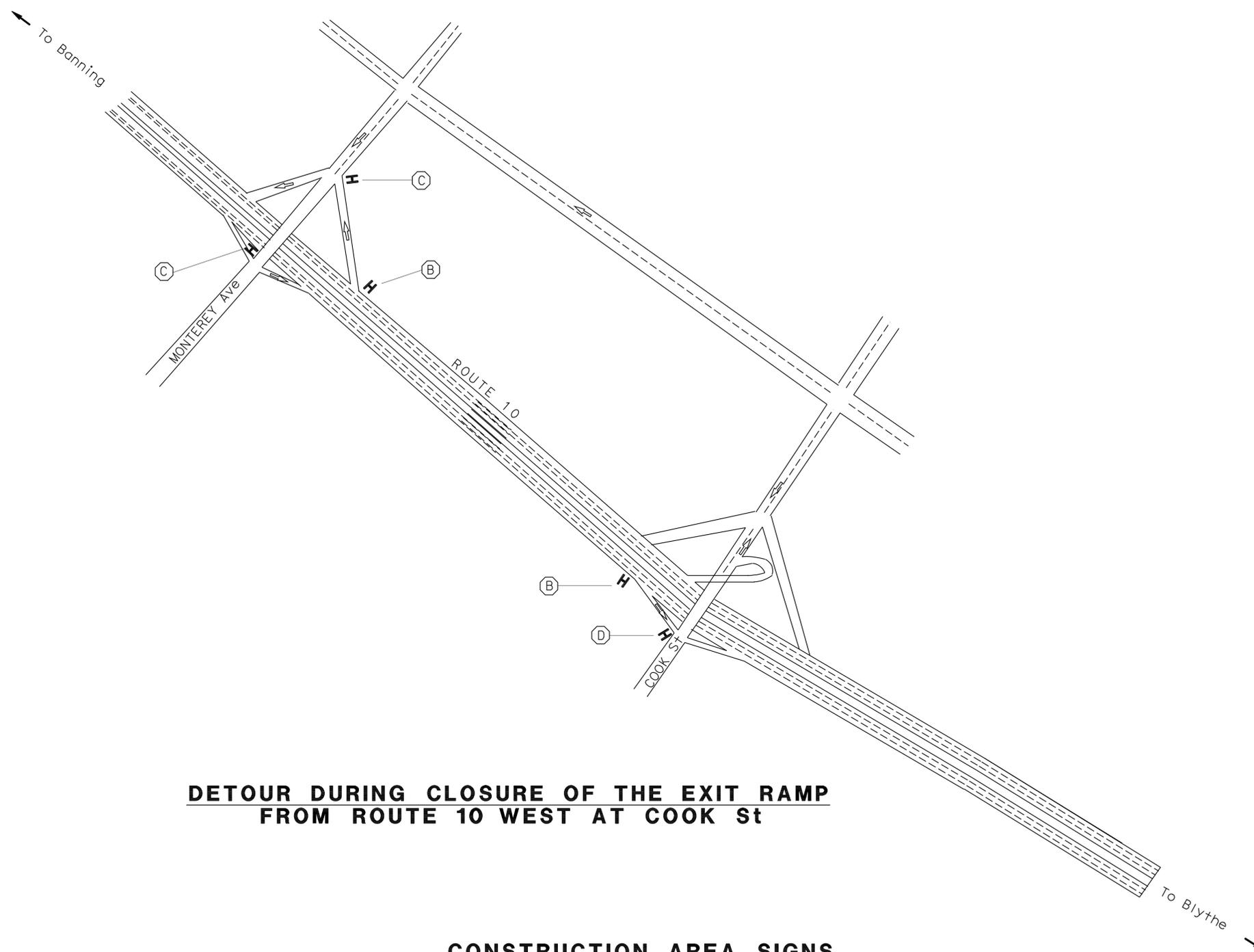
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	TRIP TRAN	REVISOR
Caltrans TRAFFIC DESIGN	BILL WASSER	THANH TRINH	DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	17	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE

12-17-12
 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.



**DETOUR DURING CLOSURE OF THE EXIT RAMP
FROM ROUTE 10 WEST AT COOK St**

CONSTRUCTION AREA SIGNS

SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	TYPE III BARRICADE (EA)
(X)					
B	M4-10(RT)	48" X 36"	DETOUR (RT)	MOUNTED ON TYPE III BARRICADE	2
C	M4-10(LT)	48" X 36"	DETOUR (LT)	MOUNTED ON TYPE III BARRICADE	2
D	M4-8a	24" X 18"	END DETOUR	MOUNTED ON TYPE III BARRICADE	1
TOTAL					5

DETOUR PLAN
NO SCALE
DE-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: BILL WASSER
 CALCULATED/DESIGNED BY: CHECKED BY:
 TRI TRAN: THANH TRINH
 REVISED BY: DATE REVISED:

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

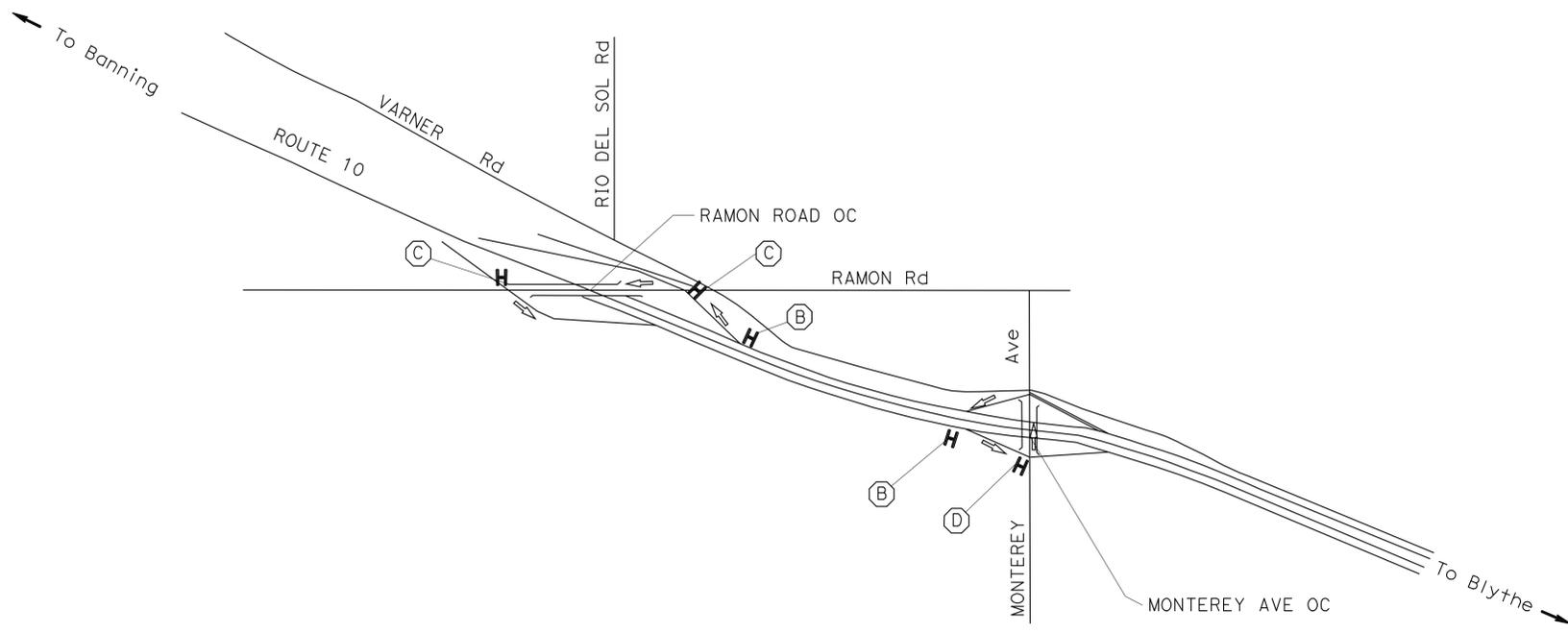
LAST REVISION: DATE PLOTTED => 17-DEC-2012 TIME PLOTTED => 11:04

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	18	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE
 12-17-12
 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
THANH TRINH
 No. C41189
 Exp. 3-31-13
 CIVIL
 STATE OF CALIFORNIA



**DETOUR DURING CLOSURE OF THE EXIT RAMP
FROM ROUTE 10 WEST AT MONTEREY Ave**

CONSTRUCTION AREA SIGNS

SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	TYPE III BARRICADE
(X)					(EA)
B	M4-10(RT)	48" X 36"	DETOUR (RT)	MOUNTED ON TYPE III BARRICADE	2
C	M4-10(LT)	48" X 36"	DETOUR (LT)	MOUNTED ON TYPE III BARRICADE	2
D	M4-8a	24" X 18"	END DETOUR	MOUNTED ON TYPE III BARRICADE	1
TOTAL					5

DETOUR PLAN
NO SCALE
DE-14

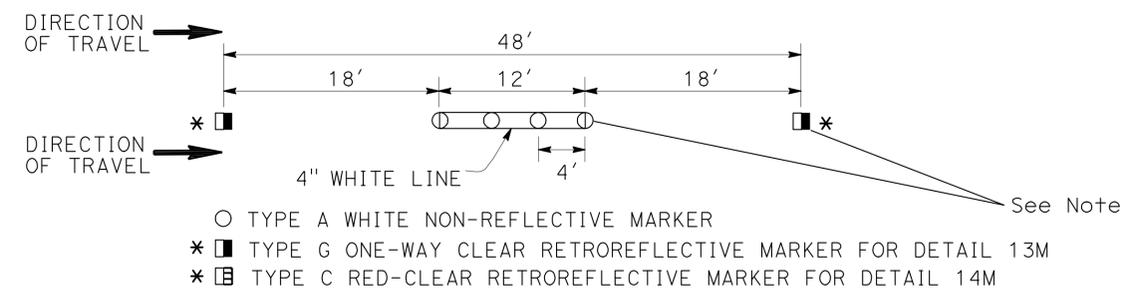
APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: BILL WASSER
 CALCULATED/DESIGNED BY: TRI TRAN
 CHECKED BY: THANH TRINH
 REVISED BY: TRI TRAN
 DATE REVISED:

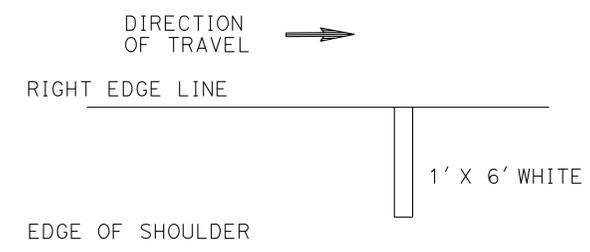
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	19	34

Thanh Trinh 8-22-12
 REGISTERED CIVIL ENGINEER DATE
 12-17-12
 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.



DETAIL 13M
NO SCALE



AIR CRAFT MARKINGS
NO SCALE

PAVEMENT DELINEATION QUANTITIES

LOCATION	DETAIL No.	PAVEMENT MARKER				THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)			THERMOPLASTIC PAVEMENT MARKING
		NON-REFLECTIVE	RETROREFLECTIVE			4" YELLOW LF	4" WHITE LF	8" WHITE LF	
		EA	C EA	G EA	H EA				
EASTBOUND	8					700			
	13M	6400		1600		76200			
	14M	144	72			5184			
	25				850	40660			
	27B					40660			
	37		70				1000		
	38			120			2760		
	38B			42			500		
	AIR CRAFT MARKING (8EA)							48	
NUMBER 45, 50							40		
WESTBOUND	8					1600			
	13M	6520		1630		77990			
	14M	148	74			5328			
	25				850	40660			
	27B						40660		
	38			140			3190		
	AIR CRAFT MARKING (8EA)							48	
	TYPE VI ARROW (6EA)							126	
SUBTOTAL		13212	216	3532	1700	81320	207662	48110	262
TOTAL		13212	5448			337092			262

PAVEMENT DELINEATION QUANTITIES PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR: BILL WASSER
 TRI TRAN: THANH TRINH
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 REVISED BY: [blank]
 DATE REVISED: [blank]

USERNAME => s102458
 DGN FILE => 80p860nc001.dgn



UNIT 2284

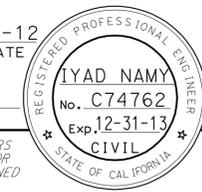
PROJECT NUMBER & PHASE

08000200381

LAST REVISION: 08-22-12
 DATE PLOTTED => 17-DEC-2012
 TIME PLOTTED => 11:05

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	20	34


 REGISTERED CIVIL ENGINEER DATE 8-22-12
 12-17-12
 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.

REPLACE ASPHALT CONCRETE SURFACING QUANTITIES

LOCATION NUMBER	PM SEGMENT		DIRECTION	LANE NUMBER	DIMENSIONS (N)	VOLUME CY
	FROM	TO			L' X W' X D'	
1	R52.2	R52.1	WB	3	500' x 12' x 0.5'	111
2	R52.0	51.9	WB	3	300' x 12' x 0.5'	67
3	50.7	50.3	WB	3	2112' x 12' x 0.5'	469
4	50.1	50.0	WB	3	500' x 12' x 0.5'	111
5	49.5	49.4	WB	3	300' x 12' x 0.5'	67
6	48.1	48.0	WB	3	500' x 12' x 0.5'	111
7	48.0	47.9	WB	2 & 3	1000' x 12' x 0.5'	222
8	47.9	47.8	WB	2 & 3	1000' x 12' x 0.5'	222
9	47.7	47.6	WB	3	600' x 12' x 0.5'	133
10	47.5	47.4	WB	3	500' x 12' x 0.5'	111
11	47.1	46.7	WB	3	2112' x 12' x 0.5'	469
12	44.6	44.5	WB	3	600' x 12' x 0.5'	133
13	45.0	45.2	EB	3	1000' x 12' x 0.5'	222
14	45.2	45.3	EB	3	1000' x 12' x 0.5'	222
15	46.1	46.2	EB	3	300' x 12' x 0.5'	67
16	46.8	46.9	EB	3	500' x 12' x 0.5'	111
17	46.7	47.1	EB	3	2112' x 12' x 0.5'	469
18	47.1	47.2	EB	3	500' x 12' x 0.5'	111
19	47.3	47.4	EB	2 & 3	1000' x 12' x 0.5'	222
20	47.6	47.7	EB	3	700' x 12' x 0.5'	156
21	49.6	49.7	EB	3	300' x 12' x 0.5'	67
22	50.3	50.7	EB	3	2112' x 12' x 0.5'	469
23	50.8	50.9	EB	2	300' x 12' x 0.5'	67
24	51.1	51.2	EB	2	350' x 12' x 0.5'	78
25	R52.1	R52.2	EB	1 & 2	1200' x 12' x 0.5'	267
26	R52.1	R52.2	EB	3	600' x 12' x 0.5'	133
TOTAL						4900

NOTE: EXACT LOCATION AND DIMENSIONS OF REPLACE AC SURFACING TO BE DETERMINED BY THE ENGINEER
 (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

PAVEMENT QUANTITIES

PM	COLD PLANE AC PAVEMENT (SQYD)	RUBBERIZED HOT MIX ASPHALT SUPERPAVE (GAP-GRADED) (TON)	TACK COAT (TON)
44.5 / R52.2	533100	36000	140

SUMMARY OF QUANTITIES Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: KUANG CHEN
 CALCULATED/DESIGNED BY: IYAD NAMY
 CHECKED BY: KUANG CHEN
 REVISED BY: IYAD NAMY
 DATE REVISED:



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	21	34

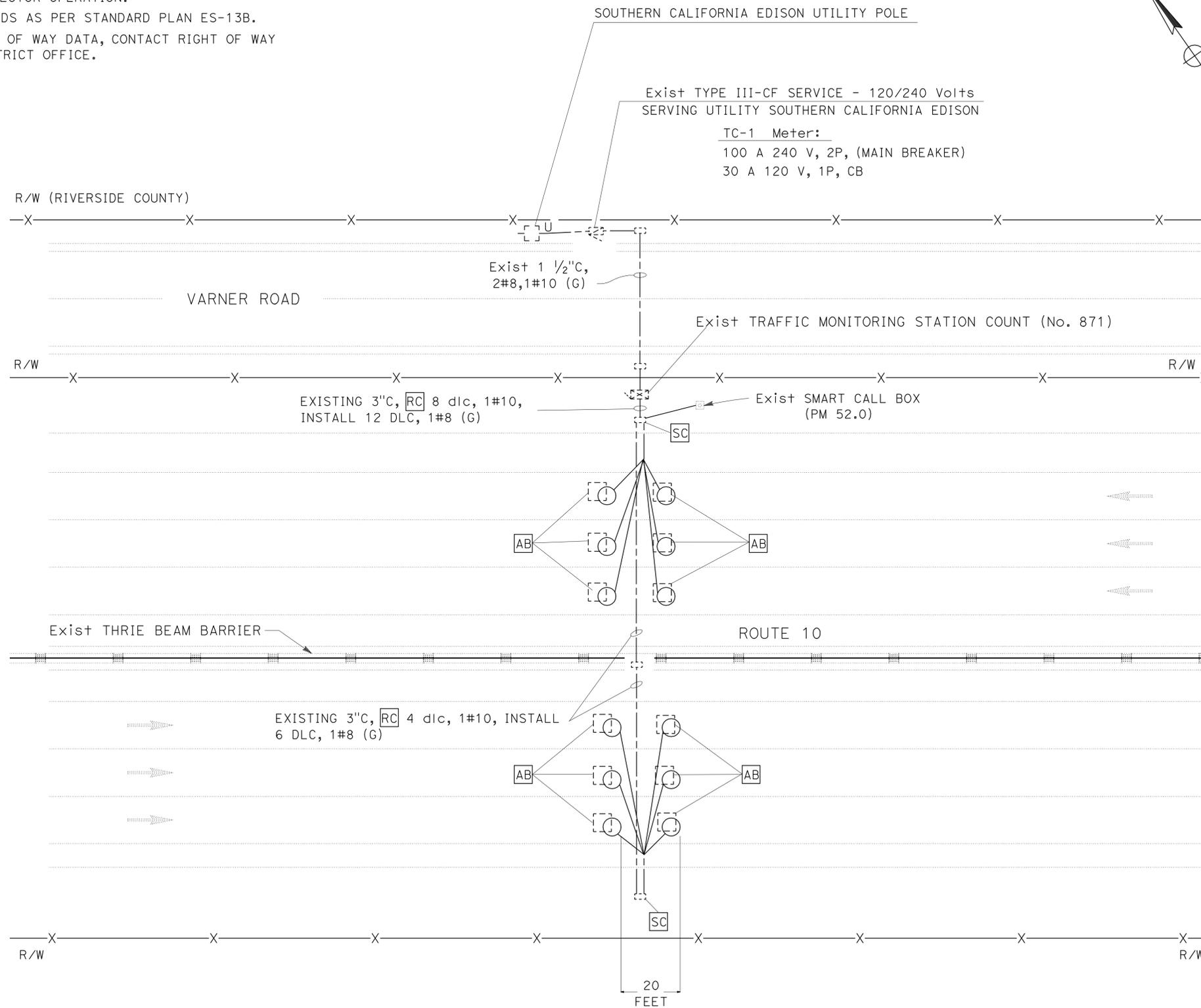
<i>[Signature]</i>	8-22-12
REGISTERED ELECTRICAL ENGINEER	DATE
12-17-12	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
DAVID GONZALEZ
No. E15382
Exp. 6/30/13
ELECTRICAL
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.

GENERAL NOTES: (THIS SHEET ONLY)

1. ALL DISTANCES ARE APPROXIMATE PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL LOOP LOCATIONS.
2. NEW INDUCTIVE LOOP DETECTORS SHALL BE SPLICED TO EXISTING dlc.
3. CONTRACTOR SHALL COORDINATE WITH TRAFFIC OPERATIONS AT (909) 383-5947 TO VERIFY LOOP DETECTOR OPERATION.
4. LABEL CONDUCTOR ENDS AS PER STANDARD PLAN ES-13B.
5. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT DISTRICT OFFICE.



MODIFY TRAFFIC MONITORING STATION (COUNT)
NO SCALE
E-1

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN A
FUNCTIONAL SUPERVISOR
DAVID A GONZALEZ
CALCULATED/DESIGNED BY
CHECKED BY
BRUCE W. LUTTON
DILARA H. ZAMAN
REVISED BY
DATE
REVISED
DATE
REVISED
DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	22	34

 8-22-12
 REGISTERED ELECTRICAL ENGINEER DATE

12-17-12
 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
DAVID GONZALEZ
 No. E15382
 Exp 6/30/13
 ELECTRICAL
 STATE OF CALIFORNIA

NOTES (THIS SHEET ONLY):

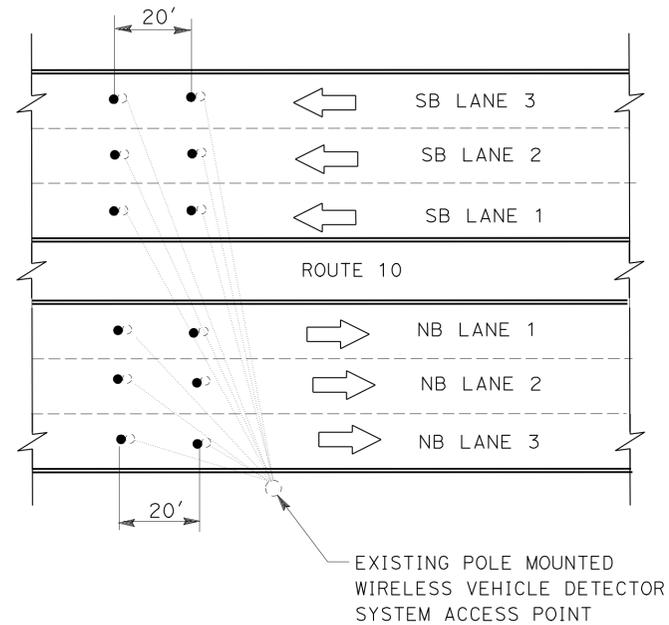
1. THE POST MILE LOCATIONS ARE APPROXIMATE. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL VEHICLE SENSOR NODE LOCATIONS.
2. RC ALL EXISTING SENSYS VSN.
3. AFTER ROADWAY REHABILITATION, INSTALL THE NEW VEHICLE SENSOR NODES AT THE EXISTING LOCATIONS PER MANUFACTURER'S INSTRUCTION. SEE SHEET E-3 FOR INSTALLATION DETAILS.

LEGEND (THIS SHEET ONLY):

- EXISTING VEHICLE SENSOR NODE
- NEW VEHICLE SENSOR NODE

ABBREVIATIONS (THIS SHEET ONLY):

VSN VEHICLE SENSOR NODE
 VDS VEHICLE DETECTION SYSTEM



VSN QUANTITIES TABLE A
(LOCATION OF INSTALLATIONS)

No.	LOCATION	POST MILE	VDS POLE LOCATIONS	GPS COORDINATE OF VDS POLE		VSN QUANTITY
				LATITUDE	LONGITUDE	
①	EAST OF MONTEREY Ave	45.4	EB	N 33° 47' 53.9"	W 116° 22' 32.5"	12
②	EAST OF COOK St	48.0	EB	N 33° 46' 35.7"	W 116° 20' 20.9"	12
③	WASHINGTON St	50.5	EB	N 33° 45' 38.3"	W 116° 18' 7.2"	12
TOTAL						36

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans ELECTRICAL DESIGN A
 FUNCTIONAL SUPERVISOR: DAVID A GONZALEZ
 CALCULATED/DESIGNED BY: CHECKED BY:
 BRUCE W. LUTTON DILARA H. ZAMAN
 REVISED BY: DATE REVISED:

APPROVED FOR ELECTRICAL WORK ONLY



MODIFY WIRELESS VEHICLE DETECTOR SYSTEM

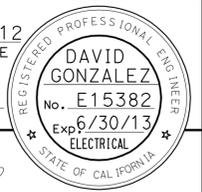
NO SCALE

E-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	23	34

<i>[Signature]</i>	8-22-12
REGISTERED ELECTRICAL ENGINEER	DATE
12-17-12	
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.



VEHICLE SENSOR NODE INSTALLATION PROCEDURE:

1. PRIOR TO INSTALLATION, IDENTIFY SENSOR'S IDENTIFICATION NUMBERS, LANE NUMBER AND LOCATION IN LANE.
2. RECORD THE DISTANCES BETWEEN EACH SENSOR PAIR.

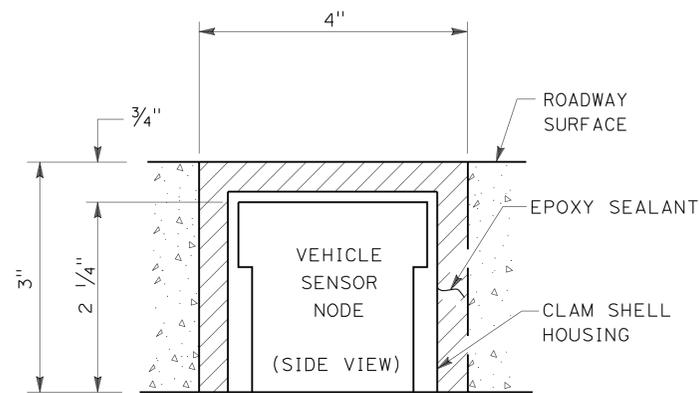
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN A

FUNCTIONAL SUPERVISOR
 DAVID A GONZALEZ

CALCULATED/DESIGNED BY
 CHECKED BY

BRUCE W. LUTTON
 DILARA H. ZAMAN

REVISED BY
 DATE REVISED



VSN INSTALLATION DETAIL

**MODIFY WIRELESS VEHICLE
 DETECTOR SYSTEM
 (SENSOR INSTALLATION DETAILS)**
 NO SCALE

E-3

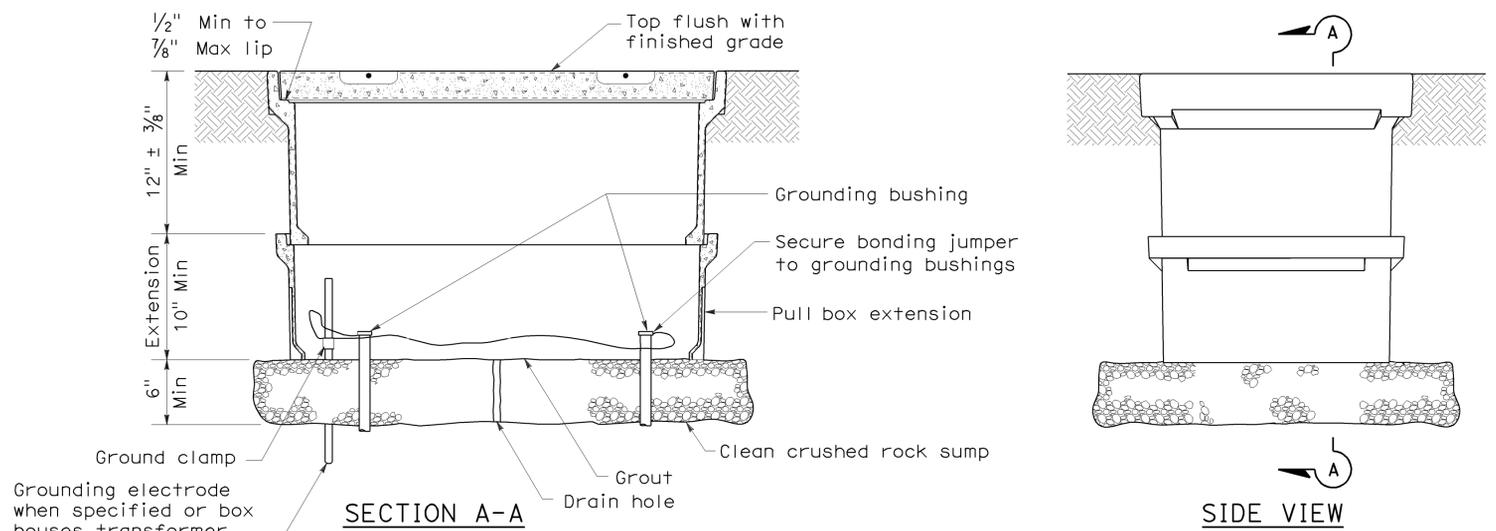
APPROVED FOR ELECTRICAL WORK ONLY



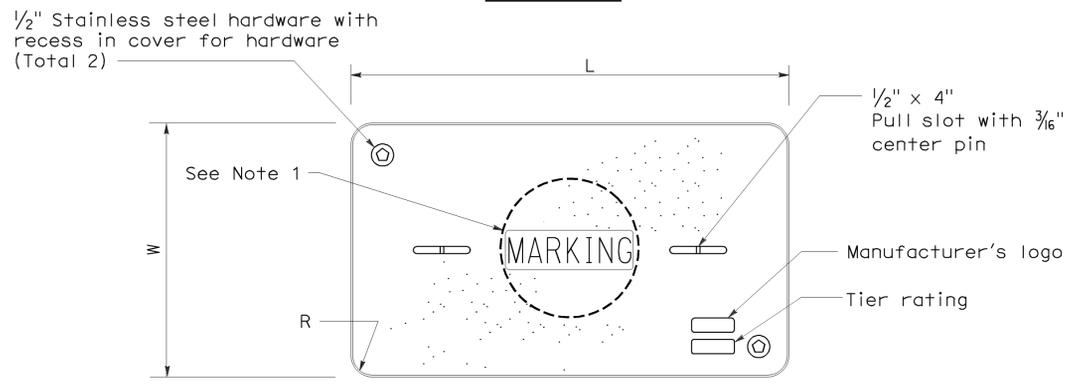
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	24	34

Jeffrey G. McRae
 REGISTERED ELECTRICAL ENGINEER
 January 20, 2012
 PLANS APPROVAL DATE
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.

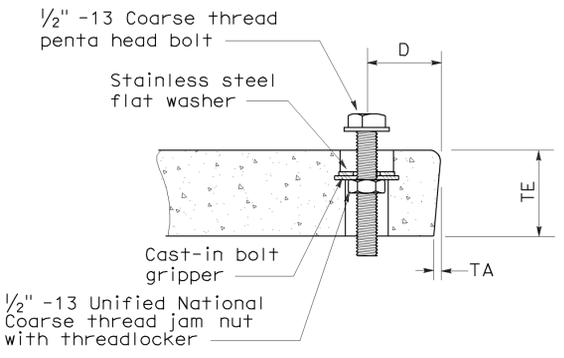
To accompany plans dated 12-17-12



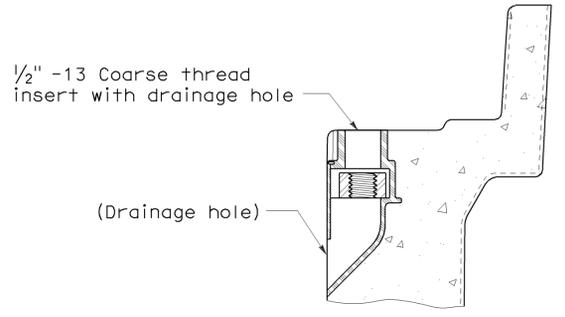
INSTALLATION DETAILS
DETAIL A



COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT
(Or similar)



TYPICAL THREADED INSERT
(Or similar)

NOTES ON PULL BOXES:

- Pull box covers must be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;
 - No. 3 1/2 pull box.
 - "SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "ST LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - No. 5, 6, 9 or 9A pull box.
 - "TRAFFIC SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "STREET LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - "STREET LIGHTING-HIGH VOLTAGE" - Street or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - "RAMP METER" - Ramp meter circuits.
 - "COUNT STATION" - Count or speed monitor circuits.
 - "COMMUNICATIONS" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communication line.
 - "TOS POWER" - TOS power.
 - "TDC POWER" - Telephone demarcation cabinet power.
 - "CCTV" - Closed circuit television circuits.
 - "TMS" - Traffic monitoring station circuits.
 - "CMS" - Changeable message sign circuits.
 - "HAR" - Highway advisory radio circuits.
- The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions (L and W) plus 1/8" or greater.
- Covers and boxes must be interchangeable with California Standard. When interchanged with a standard, the top surfaces must be flush within 1/8". Top outside radius of covers and pull boxes must have a 1/8" radius.
- Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.

PULL BOX	PULL BOX			COVER						
	Minimum Depth Box	Minimum Depth Extension	Maximum Weight	L	W	R	TE	TA	D	Maximum Weight
No. 3 1/2	12"	N/A	40 lb	1' - 3 3/8"	10 1/8"	1 3/8"	2"	1/8"	1 3/4"	30 lb
No. 5	12"	10"	55 lb	1' - 11 1/4"	1' - 1 3/4"	1 3/8"	2"	1/8"	1 3/4"	60 lb
No. 6	12"	10"	70 lb	2' - 6 1/2"	1' - 5 1/2"	1 3/8"	2"	1/8"	2"	85 lb

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
ELECTRICAL SYSTEMS
(PULL BOX)
NO SCALE

NSP ES-8A DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

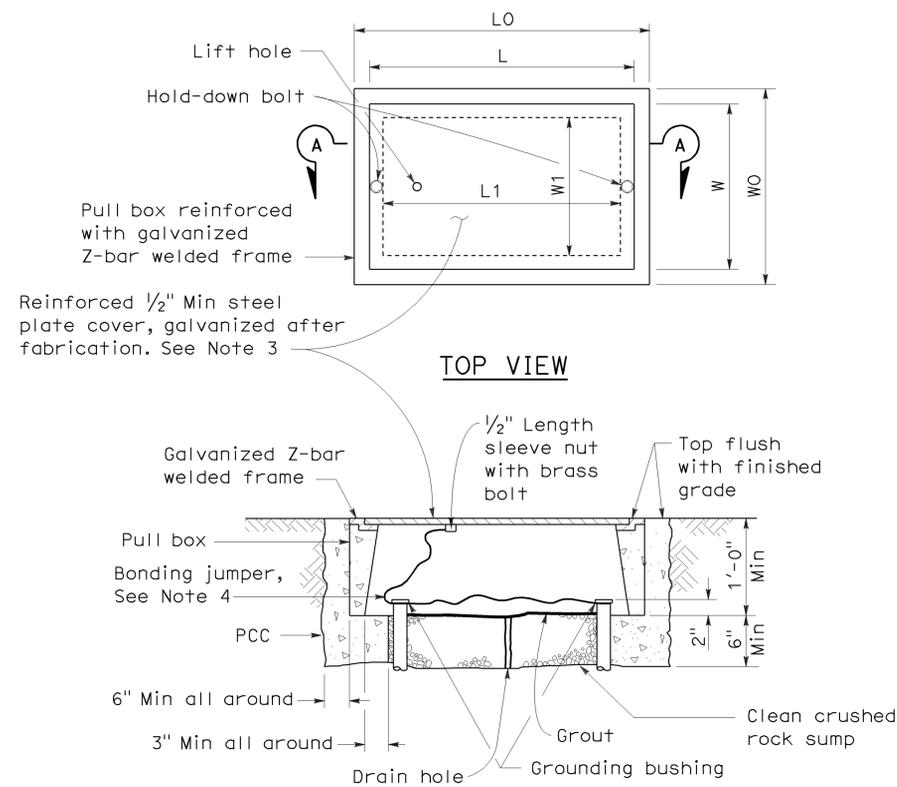
NEW STANDARD PLAN NSP ES-8A

2006 NEW STANDARD PLAN NSP ES-8A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	25	34

Jeffery G. McRae
 REGISTERED ELECTRICAL ENGINEER
 January 20, 2012
 PLANS APPROVAL DATE
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.

To accompany plans dated 12-17-12



SECTION A-A
No. 3 1/2(T), No. 5(T) AND
No. 6(T) TRAFFIC PULL BOX

NOTES ON PULL BOXES:

- Traffic pull box shall be provided with steel cover and special concrete footing. Steel cover shall have embossed non-skid pattern.
- Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.
- Pull box covers must be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" Sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service.
 - No. 3 1/2(T) pull box.
 - "SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "ST LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - No. 5(T) or 6(T) pull box.
 - "TRAFFIC SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "STREET LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - "STREET LIGHTING-HIGH VOLTAGE" - Street or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - "RAMP METER" - Ramp meter circuits.
 - "COUNT STATION" - Count or speed monitor circuits.
 - "COMMUNICATION" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communications line.
 - "TOS POWER" - TOS power.
 - "TDC POWER" - Telephone demarcation cabinet power.
 - "CCTV" - Closed circuit television circuits.
 - "TMS" - Traffic monitoring station circuits.
 - "CMS" - Changeable message sign circuits.
 - "HAR" - Highway advisory radio circuits.
- Bonding jumper for metal covers shall be 3' long, minimum.
- The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions except the length and width dimensions shall be 1/8" greater.
- Covers and boxes must be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces must be flush within 1/8".

PULL BOX	BOX				COVER						
	Minimum * Thickness	Minimum Depth Box and Extension	W0	L0	L1	W1	L **	W **	R	Edge Thickness	Edge Taper
No. 3 1/2(T)	1 1/2"	1'-0"	1'-5" ± 1"	1'-8 7/8" ±	1'-2 1/2" ±	10 5/8" ± 1"	1'-8" ±	1'-1 3/4" ±	0"	1/2"	None
No. 5(T)	1 3/4"	1'-0"	1'-11 1/2" ± 1"	2'-5 1/2" ±	1'-7" ±	1'-1" ± 1"	2'-3" ±	1'-4" ±	0"	1/2"	None
No. 6(T)	2"	1'-0"	2'-6" ± 1"	2'-11 1/2" ±	1'-11 1/2" ±	1'-5" ± 1"	2'-9" ±	1'-8" ±	0"	1/2"	None

* Excluding conduit web ** Top dimension

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
ELECTRICAL SYSTEMS
(TRAFFIC RATED PULL BOX)

NO SCALE

NSP ES-8B DATED JANUARY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP ES-8B

2006 NEW STANDARD PLAN NSP ES-8B

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	26	34

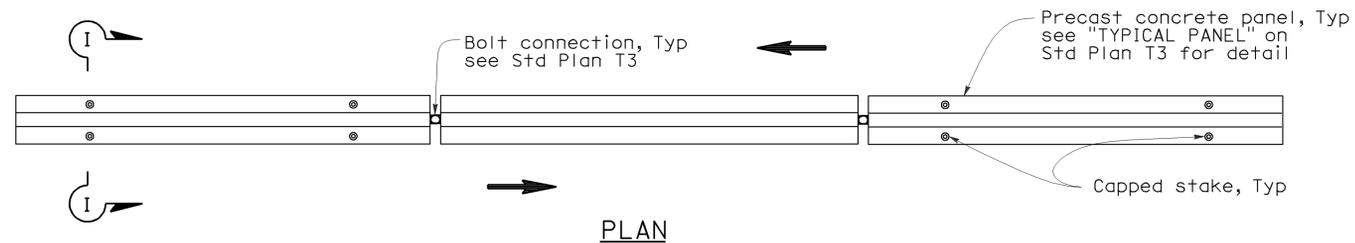
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

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.

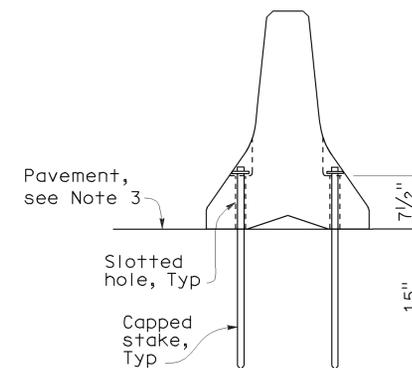
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 12-17-12



RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

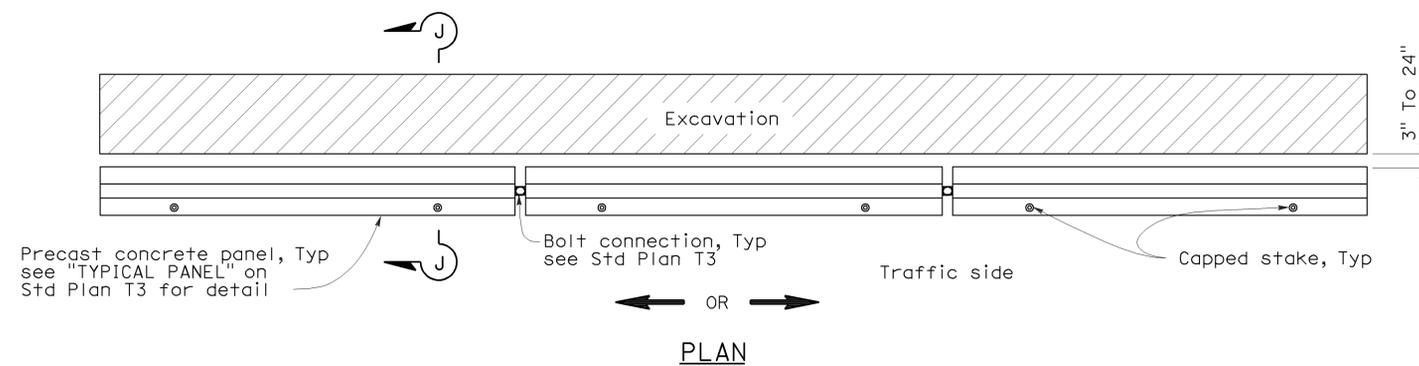
See Note 1



SECTION I-I

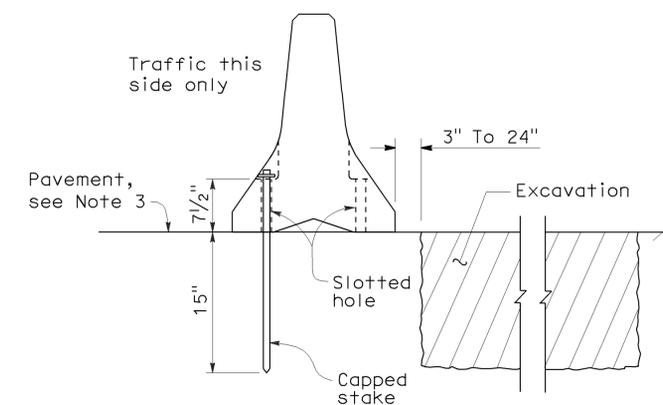
NOTES:

1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by →.

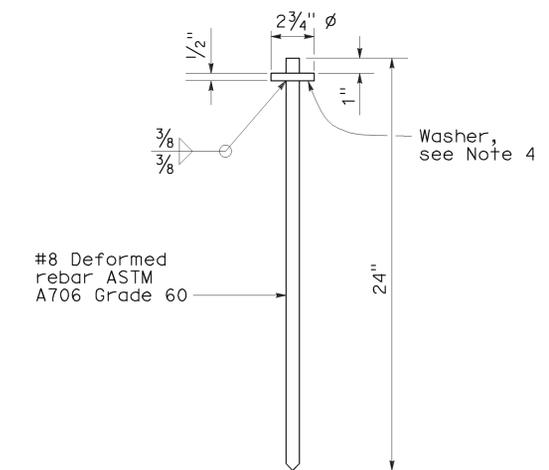


RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

See Note 2



SECTION J-J



CAPPED STAKE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY RAILING
(TYPE K)**

NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T3A

2006 NEW STANDARD PLAN NSP T3A

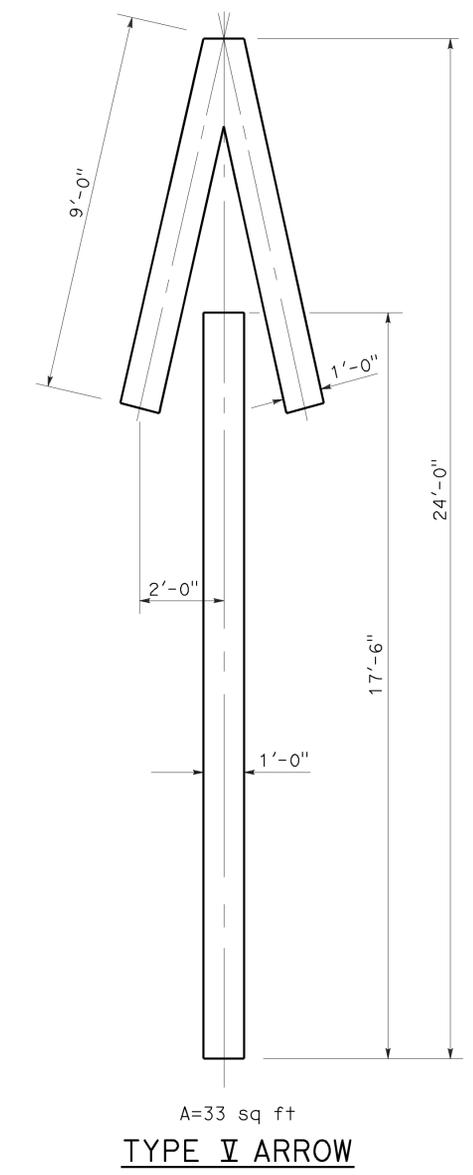
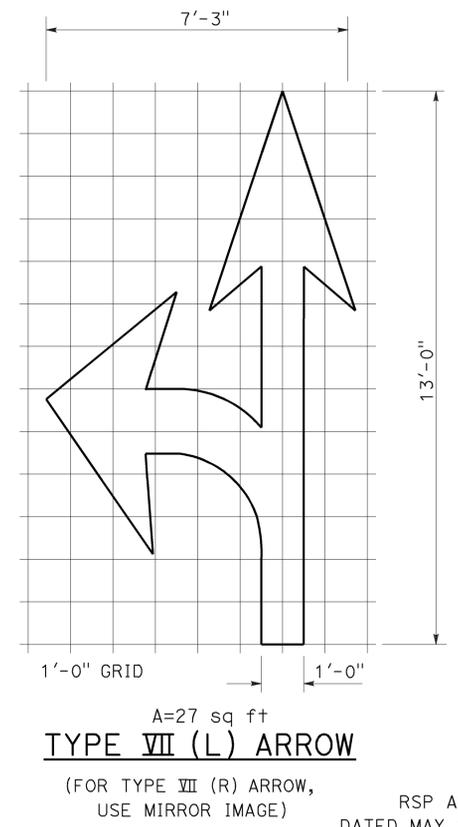
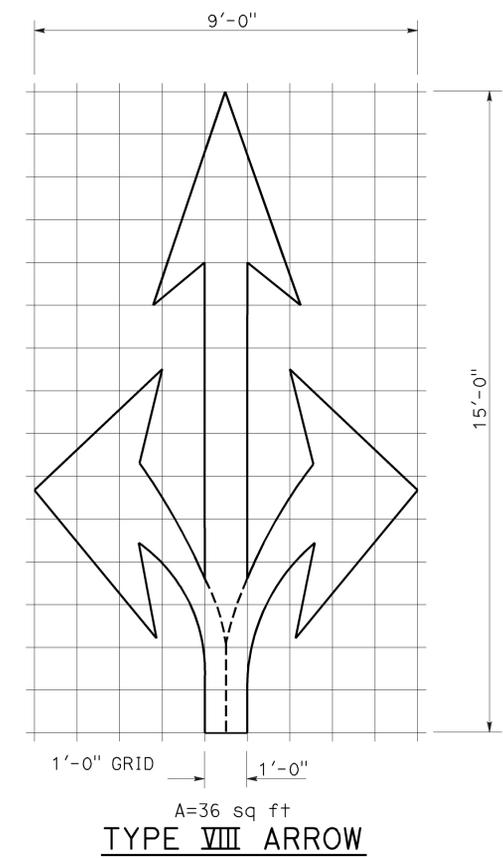
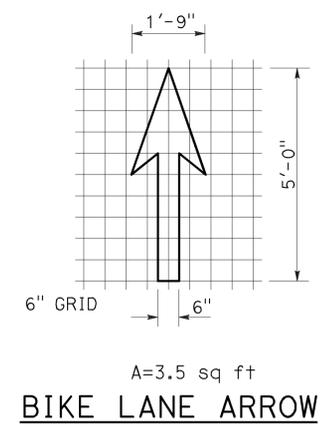
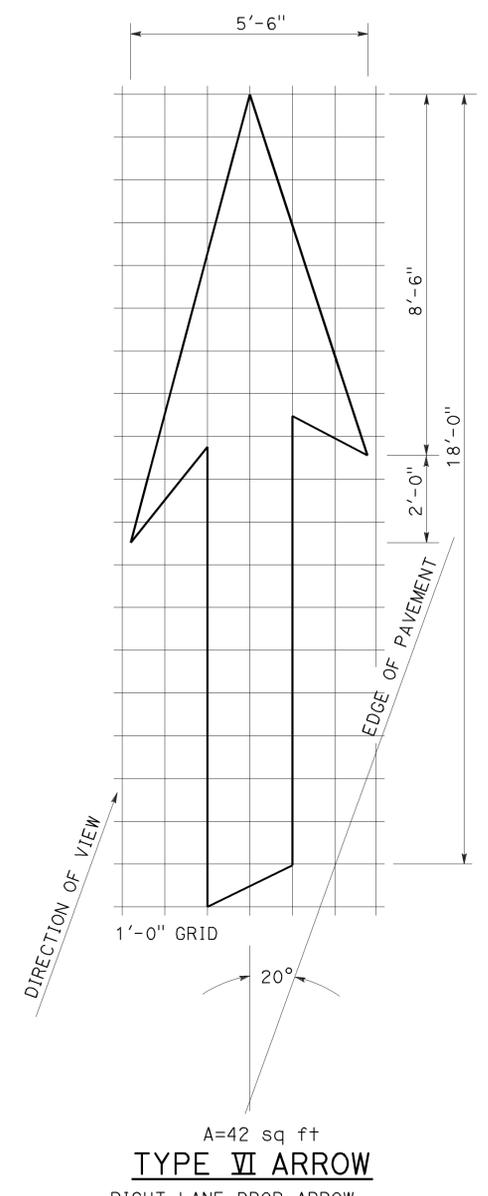
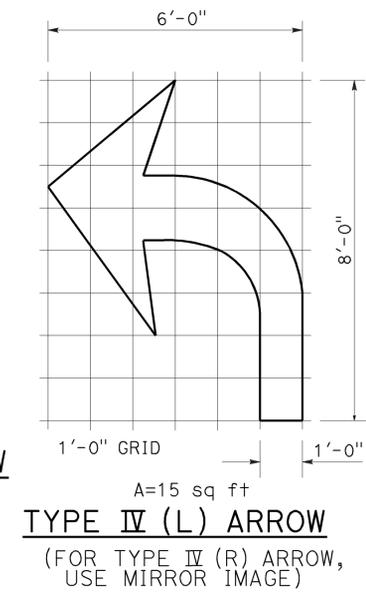
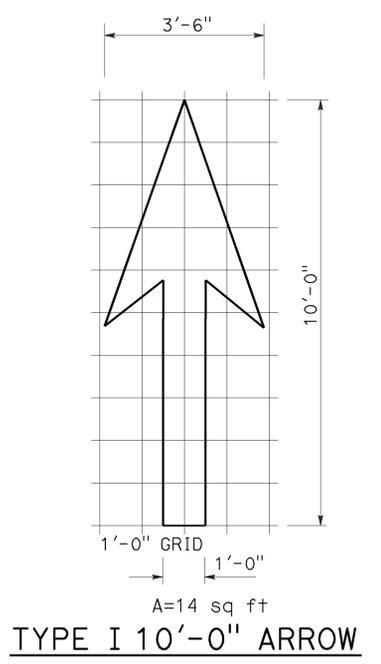
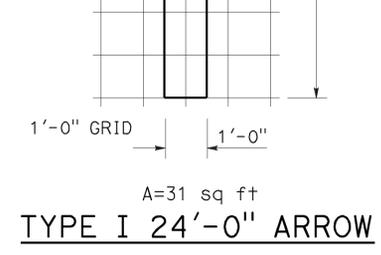
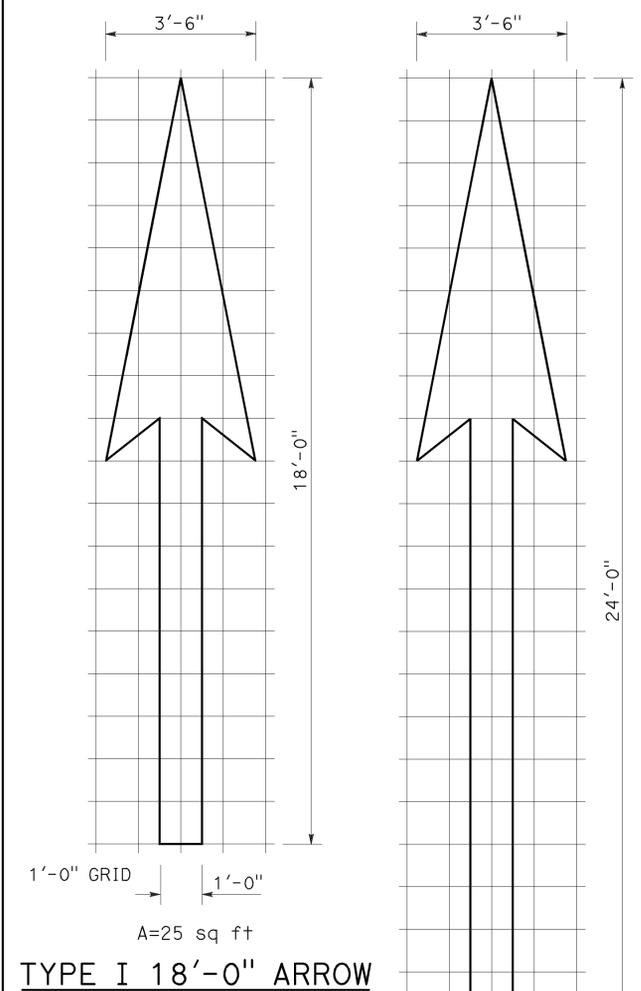
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	27	34

Registered Professional Engineer
 Roberta L. McLaughlin
 No. C40375
 Exp. 3-31-13
 CIVIL
 STATE OF CALIFORNIA

April 20, 2012
 PLANS APPROVAL DATE

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.

To accompany plans dated 12-17-12



NOTE:
MINOR VARIATIONS IN DIMENSIONS
MAY BE ACCEPTED BY THE ENGINEER.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
ARROWS**
NO SCALE

RSP A24A DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN A24A
DATED MAY 1, 2006 - PAGE 9 OF THE STANDARD PLANS BOOK DATED MAY 2006.

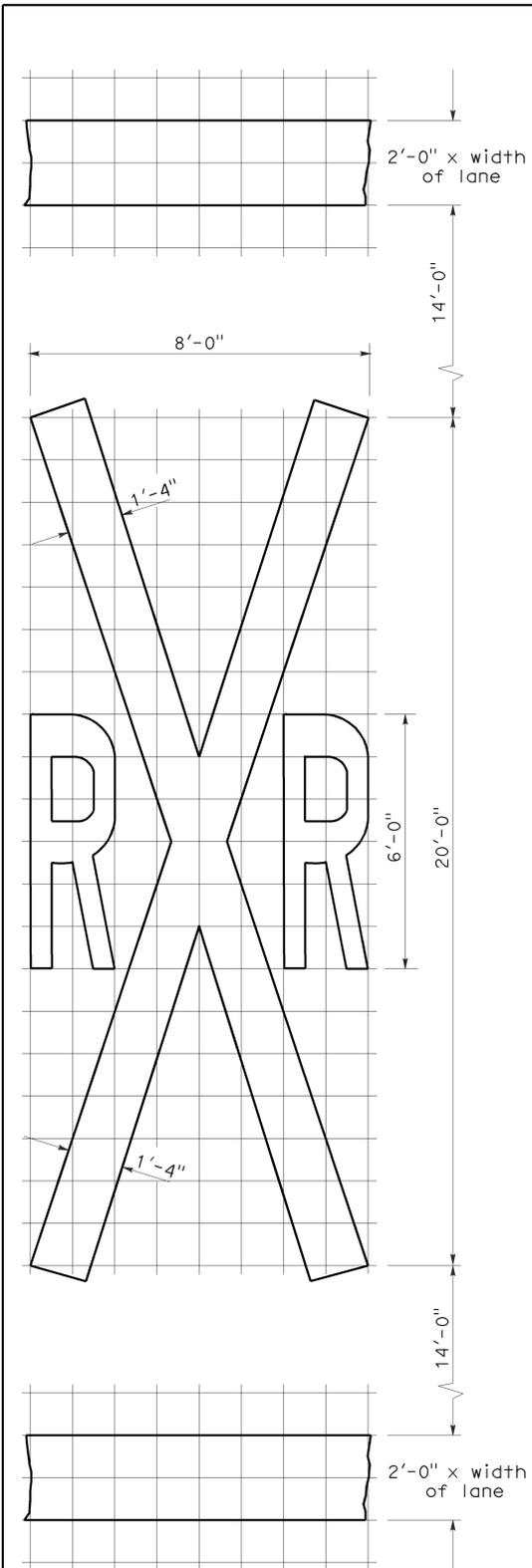
REVISED STANDARD PLAN RSP A24A

2006 REVISED STANDARD PLAN RSP A24A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	28	34

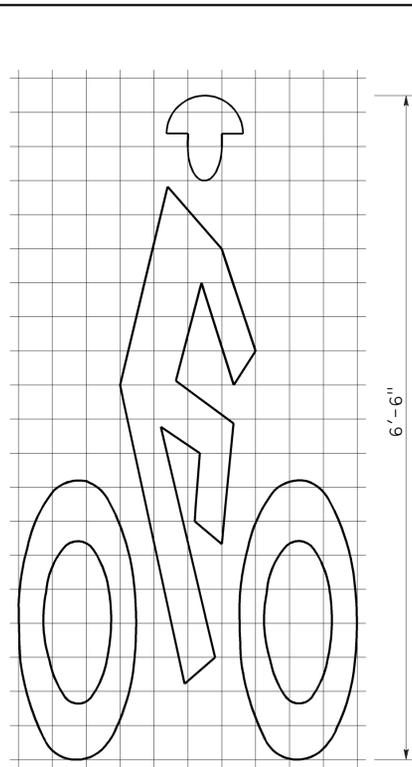
Donald E. Howe
 REGISTERED CIVIL ENGINEER
 June 6, 2008
 PLANS APPROVAL DATE
 No. C46402
 Exp. 3-31-09
 CIVIL
 STATE OF CALIFORNIA

To accompany plans dated 12-17-12

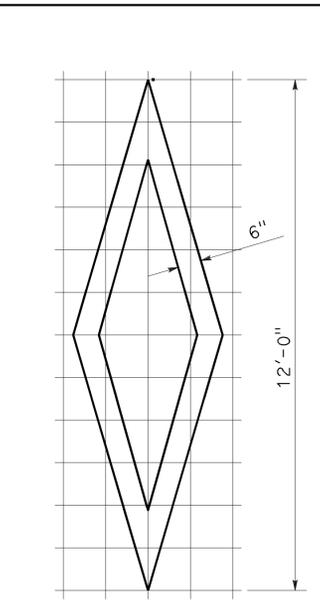


1'-0" GRID
A=70 sq ft *
RAILROAD CROSSING SYMBOL

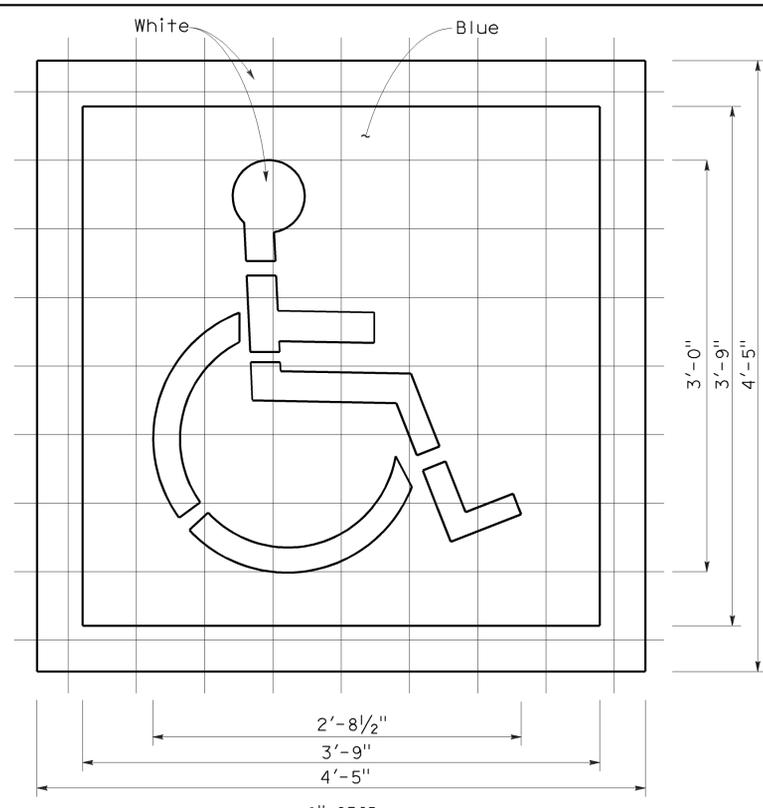
*70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



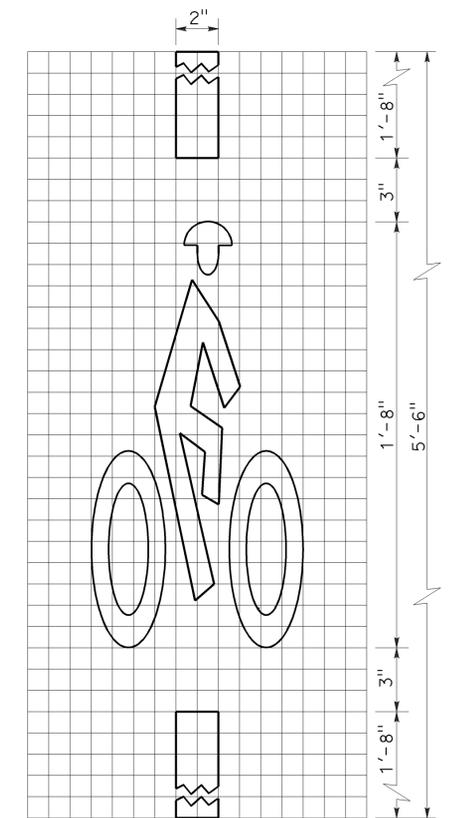
4" GRID
3'-4"
A=7 sq ft
BIKE LANE SYMBOL



1'-0" GRID
3'-3"
A=11 sq ft
DIAMOND SYMBOL

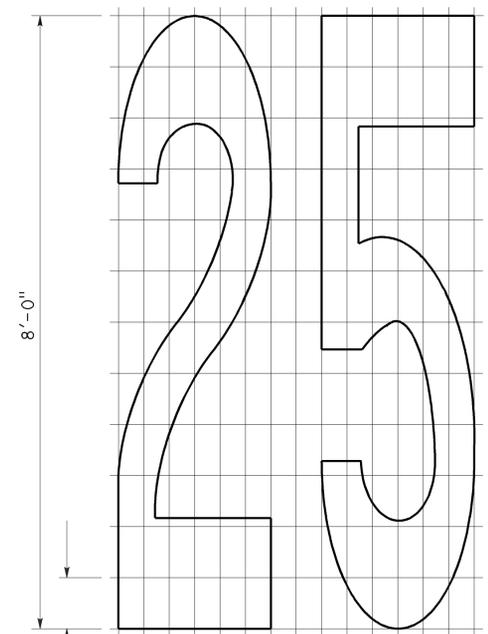


6" GRID
A (White) = 9 sq ft
A (Blue) = 14 sq ft
INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING

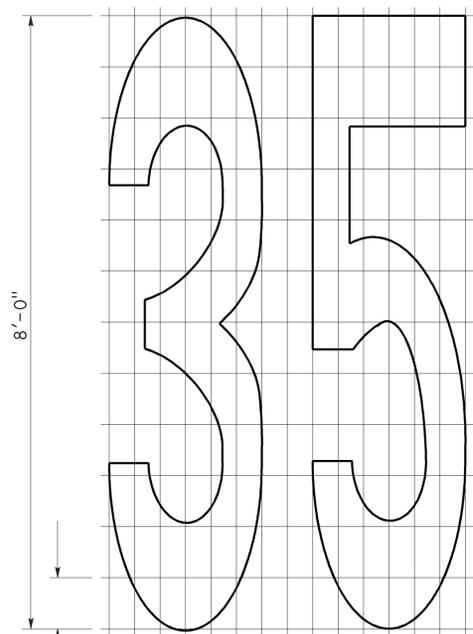


1" GRID
10"
A=2 sq ft
BICYCLE LOOP DETECTOR SYMBOL

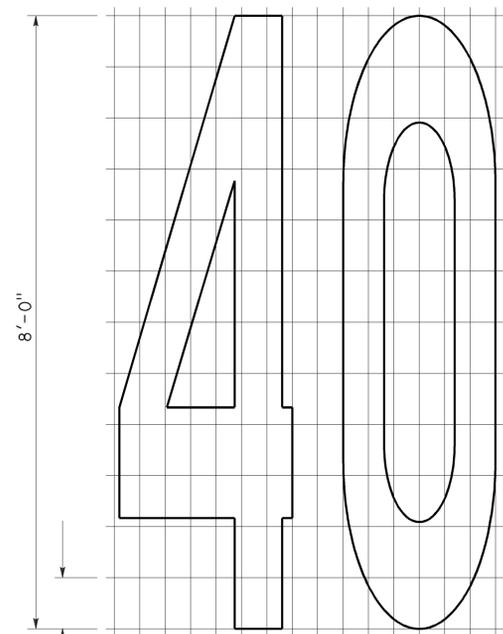
NOTE:
1. Minor variations in dimensions may be accepted by the Engineer.



8'-0"
8"
4"
4'-8"
A=17.5 sq ft



8'-0"
8"
4"
4'-8"
A=16.5 sq ft



8'-0"
8"
4"
4'-11"
A=19.5 sq ft

NUMERALS

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

ELECTROLIERS

STANDARD TYPES	High mast light pole
15, 15D	
15 STRUCTURE	Double Arm lighting standard
21, 21D STRUCTURE	Existing electrolier
30	Electrolier foundation (Future installation)
31	
32	
35	
36-20A	

NOTES:

- Luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31, 32, 35 and 36-20A Standards, unless otherwise specified. Luminaires shall be 200 W HPS when installed on other type standards or poles, unless otherwise specified.
- Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.
- Variations noted adjacent to symbol on project plans.

Electrolier (see project notes or project plans)

Luminaire on wood pole

STANDARD NOTES:

AB	Abandon. If applied to conduit, remove conductors.
BC	Install pull box in existing conduit run.
BP	Pedestrian barricade, type as indicated on plan.
CB	Install conduit into existing pull box.
CC	Connect new and existing conduit. Remove existing conductors and install conductors as indicated.
CF	Conduit to remain for future use. Remove conductors. Install pull wire or rope.
DH	Detector handhole.
FA	Foundation to be abandoned.
IS	Install sign on signal mast arm.
NS	No slip base on standard.
PEC	Photoelectric control.
PEU	Photoelectric unit.
RC	Equipment or material to be removed and become the property of the Contractor.
RE	Remove electrolier, fuses and ballast. Tape ends of conductors.
RL	Relocate equipment.
RR	Remove and reuse equipment.
RS	Remove and salvage equipment.
SC	Splice new to existing conductors.
SD	Service disconnect.
SF	Standard to remain for future use. Remove luminaire, pole conductors, fuses and ballast.
TSP	Telephone service point.

ABBREVIATIONS AND EQUIPMENT DESIGNATIONS

PROPOSED EXISTING

BBS	bbs	Battery backup system
BC	bc	Bolt circle
C	C	Conduit
CCTV	cctv	Closed circuit television
CKT	ckt	Circuit
CMS	cms	Changeable message sign
DLC	dlc	Loop detector lead-in cable
EMS	ems	Extinguishable message sign
EVC	evc	Emergency vehicle cable
EVD	evd	Emergency vehicle detector
FB	fb	Flashing beacon
FBCA	fbca	Flashing beacon control assembly
FBS	fbs	Flashing beacon with slip base
FO	fo	Fiber optic
G	G	Ground (Equipment Grounding Conductor)
GFCI	GFCI	Ground fault circuit interrupt
HAR	har	Highway advisory radio
HEX	hex	Hexagonal
HPS	hps	High pressure sodium
IISNS	iisns	Internally illuminated street name sign
ISL	isl	Induction sign lighting
LED	led	Light emitting diode
LMA	lma	Luminaire mast arm
LPS	lps	Low pressure sodium
LTG	ltg	Lighting
LUM	lum	Luminaire
MAT	mat	Mast arm mounting vehicle signal faces, top attachment
MAS	mas	Mast arm mounting vehicle signal faces, side attachment
MAS-4A	mas-4A	Mast arm mounting vehicle signal faces, side attachment - 4 signal section
MAS-4B	mas-4B	
MAS-4C	mas-4C	
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces, side attachment - 5 signal section
MAS-5B	mas-5B	
MC	mc	Mercury contactor
M/M	m/m	Multiple to multiple transformer
MT	mt	Conduit with pull wire or rope only
MTG	mtg	Mounting
	mv	Mercury vapor lighting fixture
N	N	Neutral (Grounded Conductor)
NC	NC	Normally closed
NO	NO	Normally open
PB	pb	Pull box
PEC	pec	Photoelectric control (Type I, II, III, IV or V as shown)
PED	ped	Pedestrian
PEU	peu	Photoelectric unit
PPB	ppb	Pedestrian push button
RL		Relocated equipment
RM	rm	Ramp metering
SB	sb	Slip base
SIC	sic	Signal interconnect cable
SIG	sig	Signal
SMA	sma	Signal mast arm
SNS	sns	Street name sign
SP	sp	Service point
TDC	tdc	Telephone demarcation cabinet
TMS	tms	Traffic monitoring station
TOS	tos	Traffic Operations System
VEH	veh	Vehicle
XFMR	xfmr	Transformer
COMM	comm	Communication
RWIS	rwis	Roadway weather information system

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	29	34

Jeffrey G. McRae
REGISTERED ELECTRICAL ENGINEER

October 5, 2007
PLANS APPROVAL DATE

Jeffrey G. McRae
No. E14512
Exp. 6-30-08
ELECTRICAL
STATE OF CALIFORNIA

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.

To accompany plans dated 12-17-12

SOFFIT AND WALL MOUNTED LUMINAIRES

	Pendant, 70 W HPS unless otherwise specified.
	Flush, 70 W HPS unless otherwise specified.
	Wall surface, 70 W HPS unless otherwise specified.
	Existing soffit or wall luminaire to remain unmodified.
	Existing soffit or wall luminaire to be modified as specified.

NOTE:

Arrow indicates "street side" of luminaire.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 1, 2006 - PAGE 400 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1A

2006 REVISED STANDARD PLAN RSP ES-1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	30	34

Jeffery G. McRae
 REGISTERED ELECTRICAL ENGINEER
 October 5, 2007
 PLANS APPROVAL DATE
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.

REGISTERED PROFESSIONAL ENGINEER
Jeffery G. McRae
 No. E14512
 Exp. 6-30-08
 ELECTRICAL
 STATE OF CALIFORNIA

To accompany plans dated 12-17-12

CONDUIT

PROPOSED	EXISTING	
		Lighting Conduit, unless otherwise indicated or noted
		Traffic signal conduit
		Communication conduit
		Telephone conduit
		Fire alarm conduit
		Fiber optic conduit
		Conduit termination
		Conduit riser in/on structure or service pole

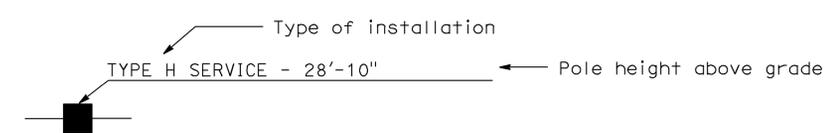
SIGNAL EQUIPMENT

PROPOSED	EXISTING	
		Pedestrian signal face
		Pedestrian push button post
		Pedestrian barricade
		Vehicle signal face (with backplate, 3-Section: red, yellow and green)
		Vehicle signal face with angle visors
		Modifications of basic symbols: "L" indicates all non-arrow sections lowered "LG" indicates lowered green section only "PV" indicates 12" programmed visibility sections "8" indicates all 8" sections (only when specified)
		Type 15TS and Vehicle signal face
		Vehicle signal face with red, yellow and green left arrow sections
		Vehicle signal face with red and yellow sections and up green arrow
		Vehicle signal face (5 Section) with red, yellow and green sections and yellow and green right arrows
		Type 1 Standard and attached vehicle signal faces
		Standard with signal mast arm only and attached vehicle signal faces and internally illuminated street name sign
		Type 33 Standard, Left-turn vehicle signal face and sign
		Standard with luminaire and signal mast arms and attached vehicle signal faces
		Cantilever flashing beacon Type 9 Frame, with a sign unless otherwise specified or indicated
		Type 15-FBS Standard with two vehicle signal face sections with lens, backplate and visor with a sign
		Flashing beacon. One vehicle signal face section with lens, backplate and visor. "R" indicates red indication, "Y" indicates yellow indication
		Controller assembly. Door indicates front of cabinet

SERVICE EQUIPMENT

PROPOSED	EXISTING	
		Overhead lines
		Wood pole "U" indicates utility owned
		Pole guy with anchor
		Utility transformer - ground mounted
		Service equipment enclosure type
		Service equipment enclosure door indicates front of enclosure
		Telephone demarcation cabinet

POLE-MOUNTED SERVICE DESIGNATION



ILLUMINATED OVERHEAD SIGN

PROPOSED	EXISTING	
		Overhead sign - Single post
		Overhead sign - Two post
		Overhead sign - Mounted on structure
		Overhead sign with electrolier

SIGNAL EQUIPMENT Cont

PROPOSED	EXISTING	
		Guard post
		Type 1 Standard with "Meter On" sign
		Emergency Vehicle detector

NOTES:

1. All signal sections shall be 12" unless shown otherwise.
2. Signal heads shall be provided with backplates unless shown otherwise.
3. Signal indication shall be LED.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
 (SYMBOLS AND ABBREVIATIONS)**
 NO SCALE

RSP ES-1B DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1B
 DATED MAY 1, 2006 - PAGE 401 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1B

2006 REVISED STANDARD PLAN RSP ES-1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	31	34

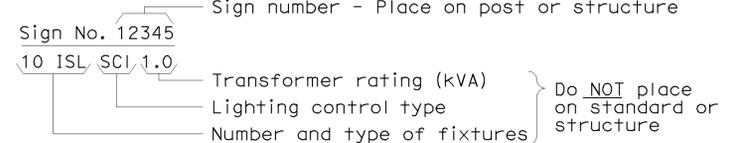
Jeffery G. McRae
 REGISTERED ELECTRICAL ENGINEER
 October 5, 2007
 PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



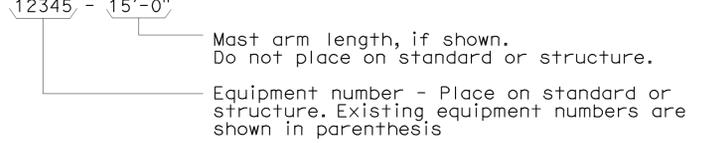
To accompany plans dated 12-17-12

EQUIPMENT IDENTIFICATION

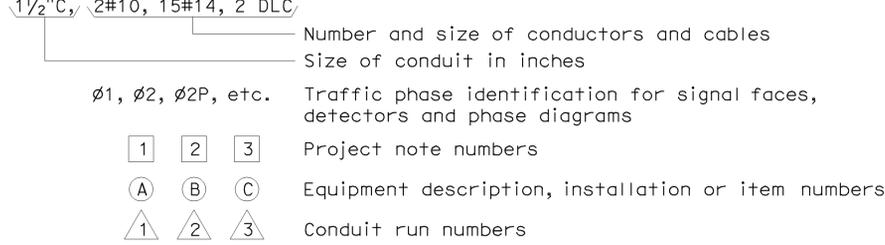
ILLUMINATED SIGN IDENTIFICATION NUMBER:



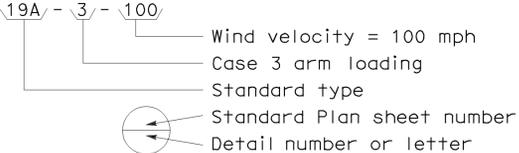
ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



CONDUIT AND CONDUCTOR IDENTIFICATION:



SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



MISCELLANEOUS EQUIPMENT

PROPOSED	EXISTING	
		CMS Changeable message sign
		Closed circuit television camera
		Highway advisory radio pole and antenna
		EMS Extinguishable message sign
		Detection device M = Microwave sensor V = Video image sensor

WIRING DIAGRAM LEGEND

P	Pole	----	External conductor
CB	Circuit breaker	—	Conductor or bus
A	Ampere	•	Tie point
V	Volt	—/—	Contactor coil
M	Metered	— —	Contactor, Contact NO
UM	Unmetered	— —	Terminal blocks
NB	Neutral bus	— —	Contactor, Contact NC
GB	Ground bus	— —	Enclosure bond
G	Equipment grounding conductor	— —	Grounding electrode
N	Grounded conductor (Neutral)	— —	Circuit breaker
		Ⓜ	Receptacle

PULL BOXES

PROPOSED	EXISTING	
		Pull box-No. 5 unless otherwise indicated or noted.
		Pull box-Additional designations or descriptions
3	9A(21)	(C) = Communications pull box
5		(E) = Pull box with extension
6		(S) = Sprinkler control pull box
7		(21) = Anchor bolts and conduit for future installation of Type 21 Standard
8		(T) = Traffic pull box
9		
9A		

VEHICLE DETECTORS

PROPOSED	EXISTING	
		Type A detector loop. Outline of sawcut shown.
		Type B detector loop. Outline of sawcut shown.
		Type C detector loop. Outline of sawcut shown.
		Type D detector loop. Outline of sawcut shown.
		Type E detector loop. Outline of sawcut shown.
		Type Q detector loop. Outline of sawcut shown.
		Magnetic detector
		Detector handhole
		Microwave or video detection zone

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
ELECTRICAL SYSTEMS
(SYMBOLS AND ABBREVIATIONS)
 NO SCALE

RSP ES-1C DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1C
 DATED MAY 1, 2006 - PAGE 402 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-1C

2006 REVISED STANDARD PLAN RSP ES-1C

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10	44.5/R52.2	33	34

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

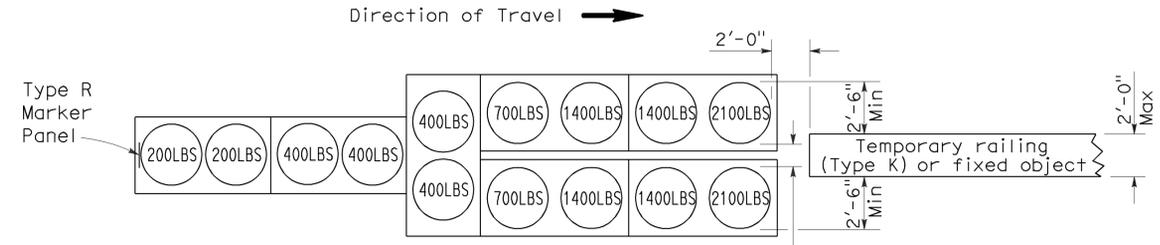
June 6, 2008
PLANS APPROVAL DATE

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.

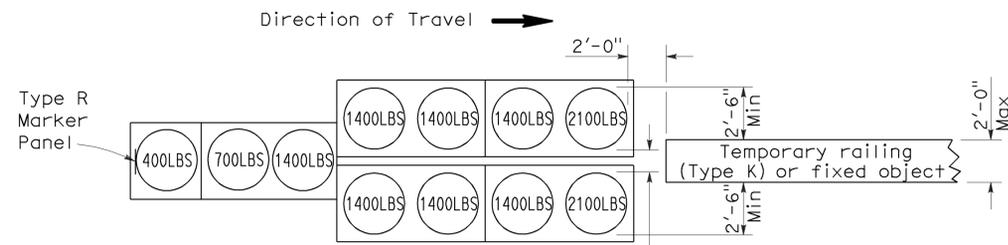
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 12-17-12

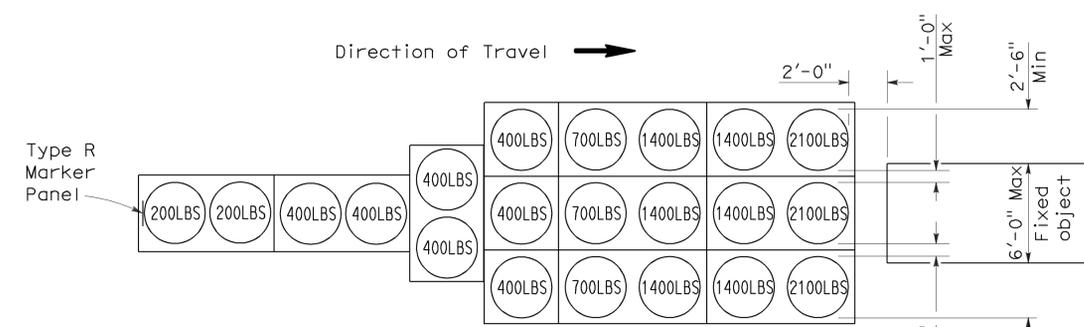
2006 REVISED STANDARD PLAN RSP T1A



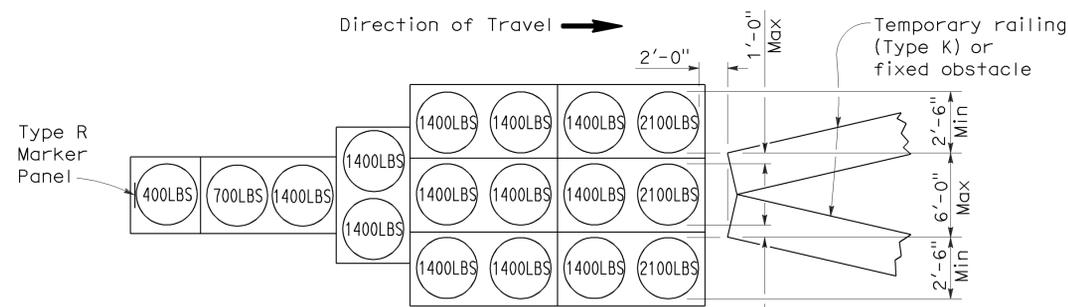
Direction of Travel →
ARRAY 'TU14'
Approach speed 45 mph or more



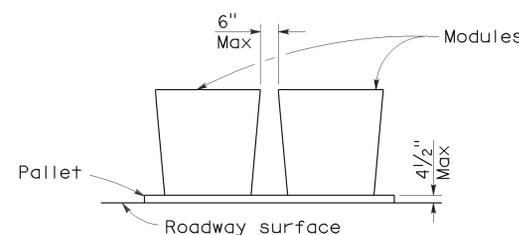
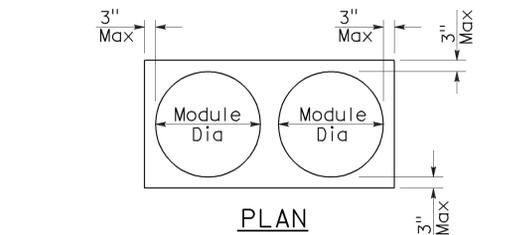
Direction of Travel →
ARRAY 'TU11'
Approach speed less than 45 mph



Direction of Travel →
ARRAY 'TU21'
Approach speed 45 mph or more



Direction of Travel →
ARRAY 'TU17'
Approach speed less than 45 mph



CRASH CUSHION PALLET DETAIL
See Note 7

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.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Place the top of Type R marker panel 1" below the module lid.
- Refer to Standard Plan A73B for marker details.
- 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
(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
08	Riv	10	44.5/R52.2	34	34

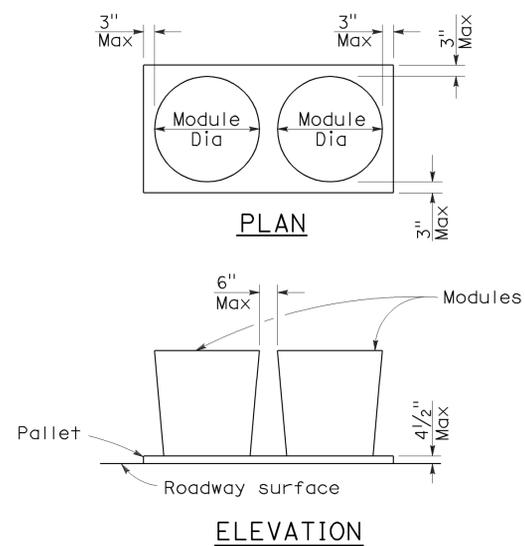
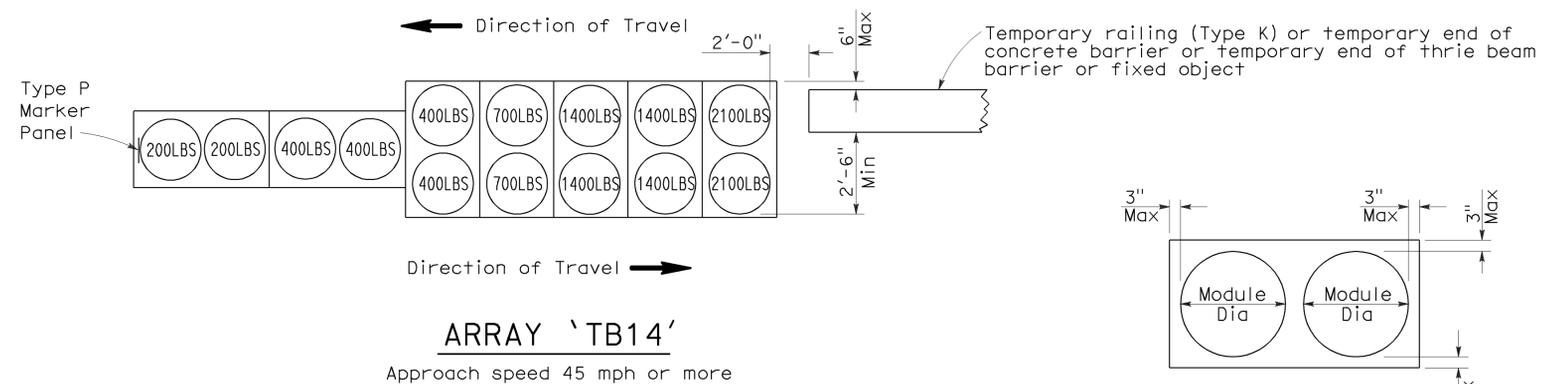
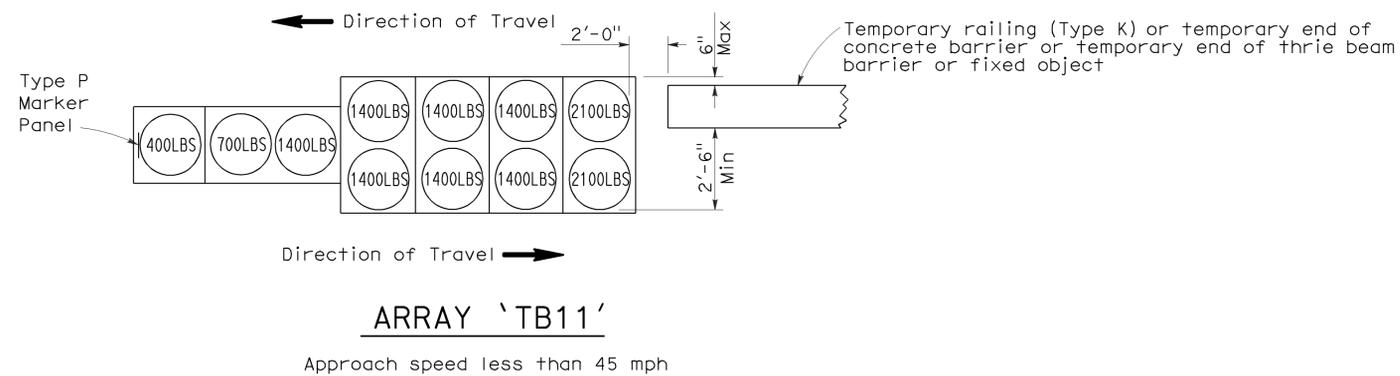
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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.

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

To accompany plans dated 12-17-12



CRASH CUSHION PALLET DETAIL

See Note 7

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.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
- Refer to Standard Plan A73B for marker details.
- 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
(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