Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	1	14

STATE OF CALIFORNIA **ACSTPE-P099(567)E**

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN TULARE COUNTY
IN AND NEAR TULARE
FROM AVENUE 48 TO CROSS AVENUE

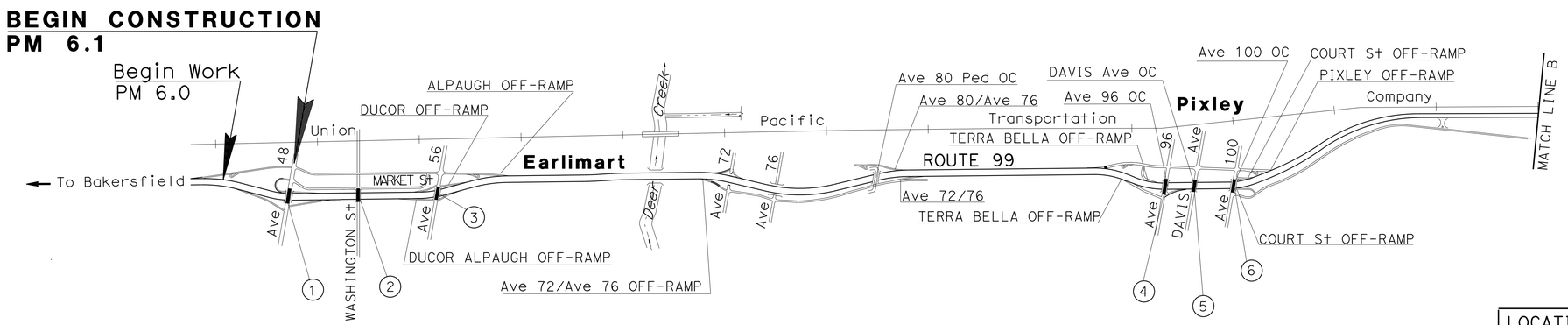
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

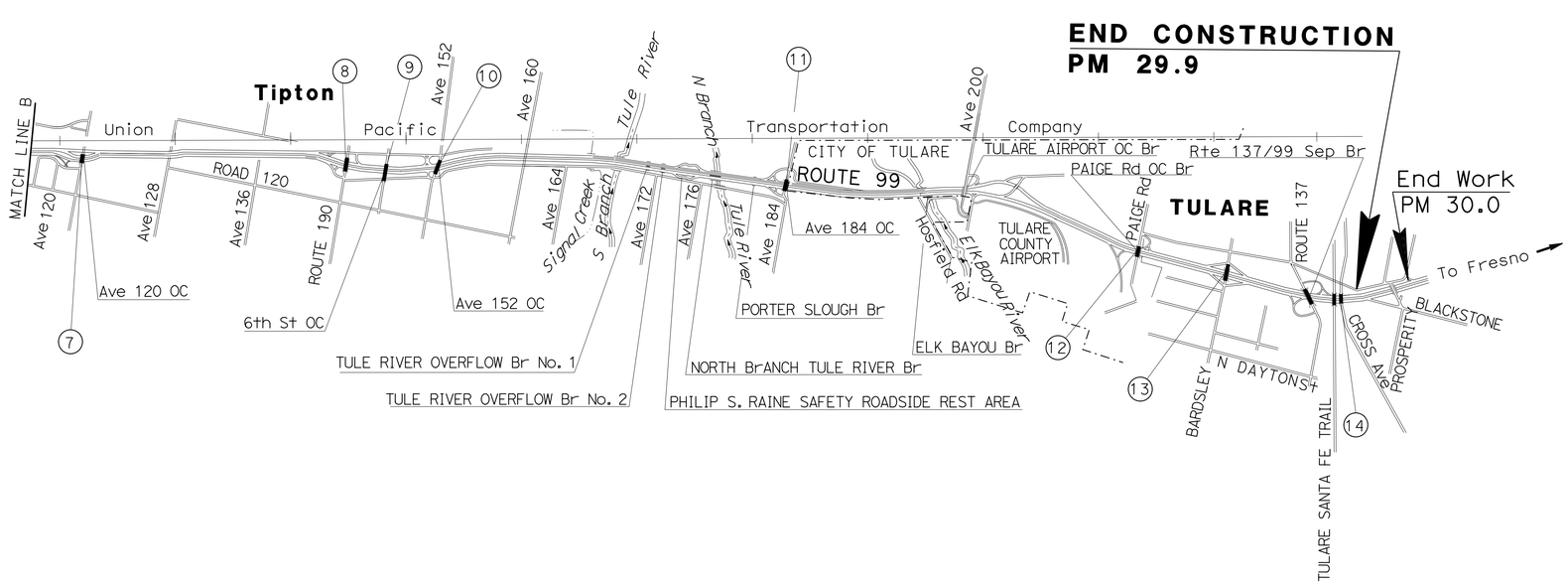
INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE SHEET AND LOCATION MAP
2-7	CONSTRUCTION DETAILS
8	EROSION CONTROL QUANTITIES
9	CONSTRUCTION AREA SIGNS
10	TRAFFIC HANDLING DETAILS
11	SUMMARY OF QUANTITIES
12-13	TRAFFIC CONTROL SYSTEM
14	REVISED STANDARD PLANS

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

LOCATION MAP





LOCATIONS OF CONSTRUCTION

LOCATION	PM	DESCRIPTION
1	6.1	Ave 48 - ARMSTRONG Ave OC
2	6.6	Ave 52 - WASHINGTON Ave OC
3	7.2	Ave 56 - SIERRA Ave - Co Rd J22 OC
4	12.3	Ave 96 - E TERRA BELLA Ave - Co Rd J24 OC
5	12.6	DAVIS Ave - DAVIS St OC
6	12.8	Ave 100 - COURT Ave OC
7	15.4	Ave 120 - HESSE Ave OC
8	18.4	Ave 144 - Rte 190 - POPLAR Ave OC
9	18.9	SIXTH STREET OC
10	19.5	Ave 152 - E OLIVE Ave OC
11	23.5	Ave 184 - OCTOL Ave OC
12	27.6	PAIGE Ave OC
13	28.6	BARDSLEY Ave OC
14	29.9	CROSS Ave OC

Ronnie K. Kier 10/23/12
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER RONNIE K. KIER No. C60877 Exp. 12/31/14 CIVIL STATE OF CALIFORNIA

November 13, 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.

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

NO SCALE

CONTRACT No.	06-0E6704
PROJECT ID	0600020035

PROJECT MANAGER ABDUL EL-DAHABI
DESIGN ENGINEER RONNIE KIER

LAST REVISION 10-23-12 DATE PLOTTED => 01-MAY-2013 TIME PLOTTED => 10:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	2	14

Ronnie K. Kier 10/23/12
REGISTERED CIVIL ENGINEER DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RONNIE K. KIER
No. C60877
Exp. 12/31/14
CIVIL
STATE OF CALIFORNIA

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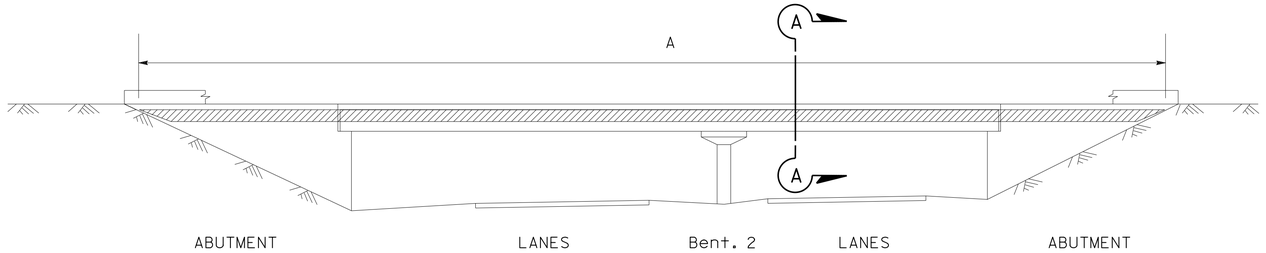
NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

ABBREVIATIONS:

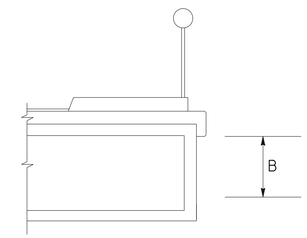
NS = NORTH SIDE OF BRIDGE
SS = SOUTH SIDE OF BRIDGE

LEGEND:

AREA TO BE PAINTED



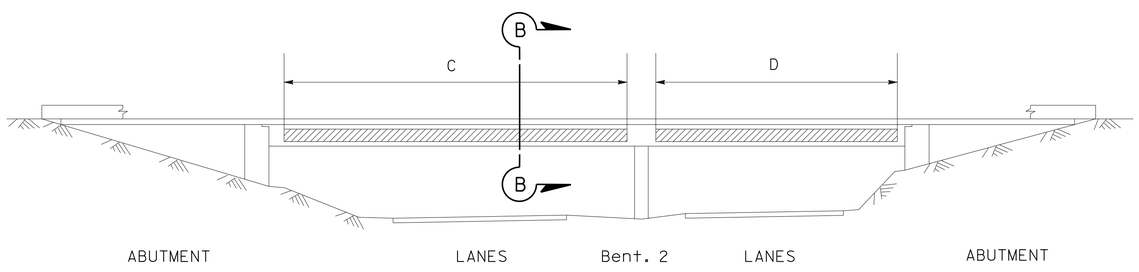
ELEVATION
LOCATION 1 TO 6



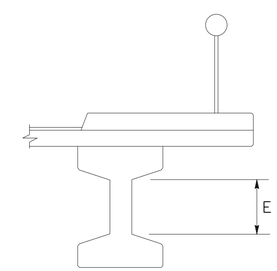
SECTION A - A

PAINT CONCRETE SURFACES QUANTITY TABLE

LOCATION	BRIDGE #	POST MILE	A (NS)	A (SS)	B (NS) / (SS)	AREA (NS)	AREA (SS)	AREA	DESCRIPTION
			LF	LF	LF	SQFT	SQFT	SQFT	
1	46-0165	6.1	239.0	239.0	2.0	478.0	478.0	956.0	Ave 48 - ARMSTRONG OC
2	46-0166	6.6	193.0	193.0	2.0	386.0	386.0	772.0	Ave 52 - WASHINGTON Ave OC
3	46-0167	7.2	214.0	214.0	2.0	428.0	428.0	856.0	Ave 56 - SIERRA Ave - Co Rd J22 OC
4	46-0171	12.3	216.0	216.0	2.0	432.0	432.0	864.0	Ave 96 - E TERRA BELLA Ave - Co Rd J24 OC
5	46-0172	12.6	210.0	210.0	2.0	420.0	420.0	840.0	DAVIS STREET - DAVIS Ave OC
6	46-0173	12.8	229.0	229.0	2.0	458.0	458.0	916.0	Ave 100 - COURT Ave OC
SUB TOTAL								5204.0	



ELEVATION
LOCATION 7 LOCATION 8 LOCATION 10 LOCATION 11



SECTION B - B

PAINT CONCRETE SURFACES QUANTITY TABLE

LOCATION	BRIDGE #	POST MILE	SIDE OF BRIDGE	C	D	E	AREA	DESCRIPTION
				LF	LF	LF	SQFT	
7	46-0189	15.4	NS	70.0	70.0	2.3	322.0	Ave 120 - HESSE Ave OC
8	46-0190E	18.4	NS	56.0	67.0	2.3	282.9	Ave 144 - Rte 190 - POPLAR Ave OC
10	46-0191	19.5	SS	82.0	82.0	2.3	377.2	Ave 152 - E OLIVE Ave OC
11	46-0192	23.5	NS	82.0	82.0	2.3	377.2	Ave 184 - OCTOL Ave OC
SUB TOTAL							1359.3	

CONSTRUCTION DETAILS

NO SCALE

C-1

REVISED BY | DATE REVISED
RONNIE KIER | DAVID FRANKE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: DAVID FRANKE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 10-23-12 | DATE PLOTTED => 17-JAN-2013 | TIME PLOTTED => 11:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	3	14

Ronnie K. Kier 10/23/12
REGISTERED CIVIL ENGINEER DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RONNIE K. KIER No. C60877 Exp. 12/31/14 CIVIL STATE OF CALIFORNIA

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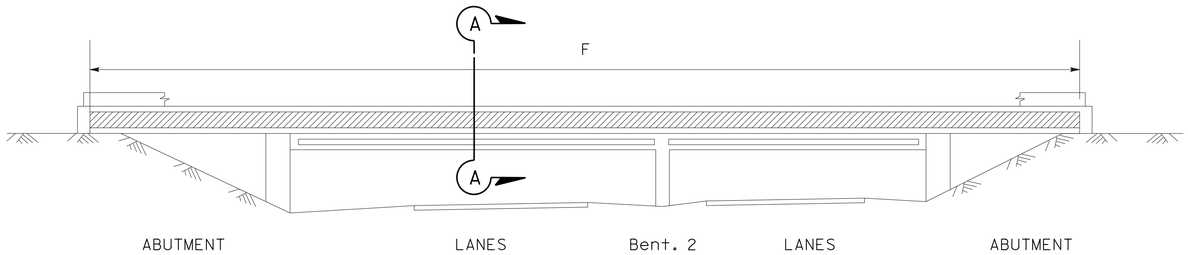
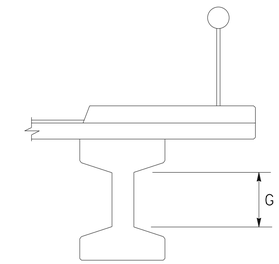


ELEVATION

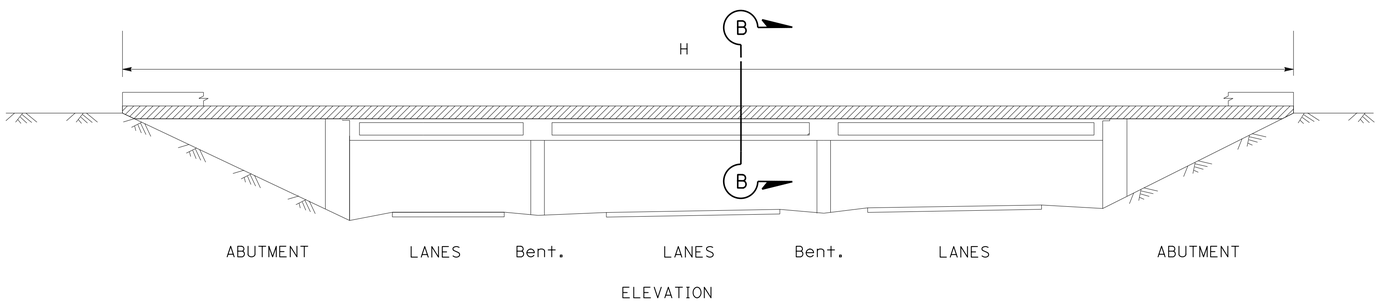
LOCATION (7) LOCATION (8) LOCATION (10) LOCATION (11)



SECTION A - A

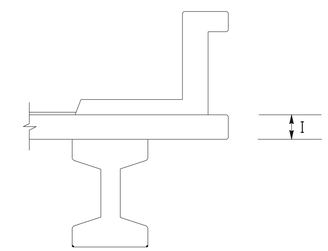
PAINT CONCRETE SURFACES QUANTITY TABLE

LOCATION	BRIDGE #	POST MILE	SIDE OF BRIDGE	F LF	G LF	AREA SQFT	DESCRIPTION
(7)	46-0189	15.4	SS	240.0	1.3	312.0	Ave 120 - HESSE Ave OC
(8)	46-0190E	18.4	SS	190.0	1.3	247.0	Ave 144 - Rte 190 - POPLAR Ave OC
(10)	46-0191	19.5	NS	220.0	1.3	286.0	Ave 152 - E OLIVE Ave OC
(11)	46-0192	23.5	SS	228.0	1.3	296.4	Ave 184 - OCTOL Ave OC
SUB TOTAL						1141.4	



ELEVATION

LOCATION (9)



SECTION B - B

PAINT CONCRETE SURFACES QUANTITY TABLE

LOCATION	BRIDGE #	POST MILE	H (NS) LF	H (SS) LF	I (NS) / (SS) LF	AREA (NS) SQFT	AREA (SS) SQFT	AREA SQFT	DESCRIPTION
(9)	46-0188	18.9	300.0	300.0	1.6	480.0	480.0	960.0	SIXTH STREET OC
SUB TOTAL								960.0	

CONSTRUCTION DETAILS

NO SCALE

C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: DAVID FRANKE
CALCULATED-DESIGNED BY: RONNIE KIER
CHECKED BY: DAVID FRANKE
REVISED BY
DATE REVISED

LAST REVISION 10-23-12
DATE PLOTTED => 17-JAN-2013
TIME PLOTTED => 11:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	4	14

Ronnie K. Kier 10/23/12
REGISTERED CIVIL ENGINEER DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RONNIE K.KIER
No. C60877
Exp. 12/31/14
CIVIL
STATE OF CALIFORNIA

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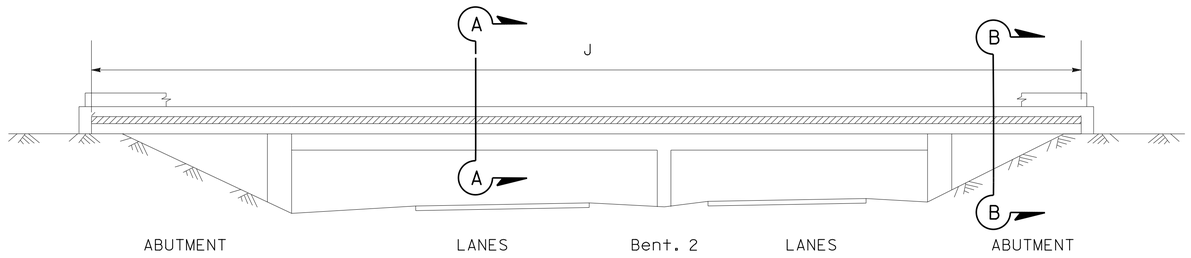
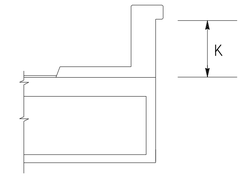
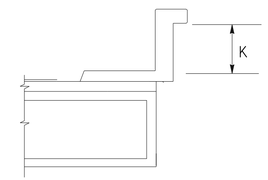


ELEVATION

LOCATION 12 LOCATION 13

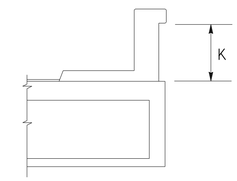


LOCATION 12 NS



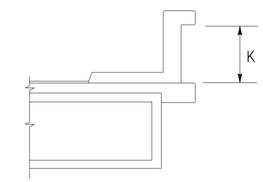
LOCATION 12 NS

SECTION A - A



LOCATION 12 NS

SECTION B - B

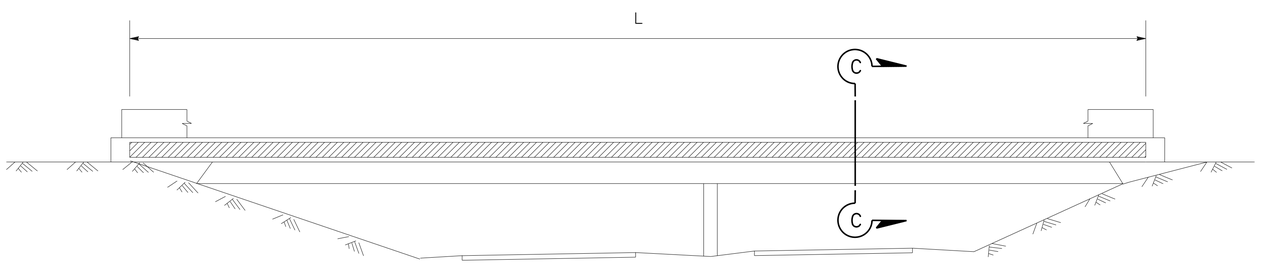


LOCATION 13 NS

SECTION A - A

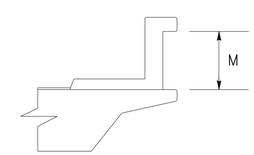
PAINT CONCRETE SURFACES QUANTITY TABLE

LOCATION	BRIDGE #	POST MILE	J (NS)	J (SS)	K (NS) / (SS)	AREA (NS)	AREA (SS)	AREA	DESCRIPTION
			LF	LF	LF	SQFT	SQFT	SQFT	
12	46-0158	27.6	241.4	241.4	1.6	385.8	385.8	771.6	PAIGE Ave OC
13	46-0159	28.6	200.0	200.0	2.0	400.0	400.0	800.0	BARDSLEY Ave OC
SUB TOTAL								1571.6	



ELEVATION

LOCATION 14



SECTION C - C

PAINT CONCRETE SURFACES QUANTITY TABLE

LOCATION	BRIDGE #	POST MILE	L (NS)	L (SS)	M (NS) / (SS)	AREA (NS)	AREA (SS)	AREA	DESCRIPTION
			LF	LF	LF	SQFT	SQFT	SQFT	
14	46-0249	29.9	215.0	215.0	2.0	430.0	430.0	860.0	CROSS Ave OC
SUB TOTAL								860.0	

CONSTRUCTION DETAILS

NO SCALE

C-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: DAVID FRANKE

CALCULATED-DESIGNED BY: RONNIE KIER
CHECKED BY: DAVID FRANKE

REVISED BY
DATE REVISED

LAST REVISION 10-23-12
DATE PLOTTED => 17-JAN-2013
TIME PLOTTED => 11:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	5	14

Ronnie K. Kier 10/23/12
REGISTERED CIVIL ENGINEER DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER RONNIE K. KIER No. C60877 Exp. 12/31/14 CIVIL STATE OF CALIFORNIA

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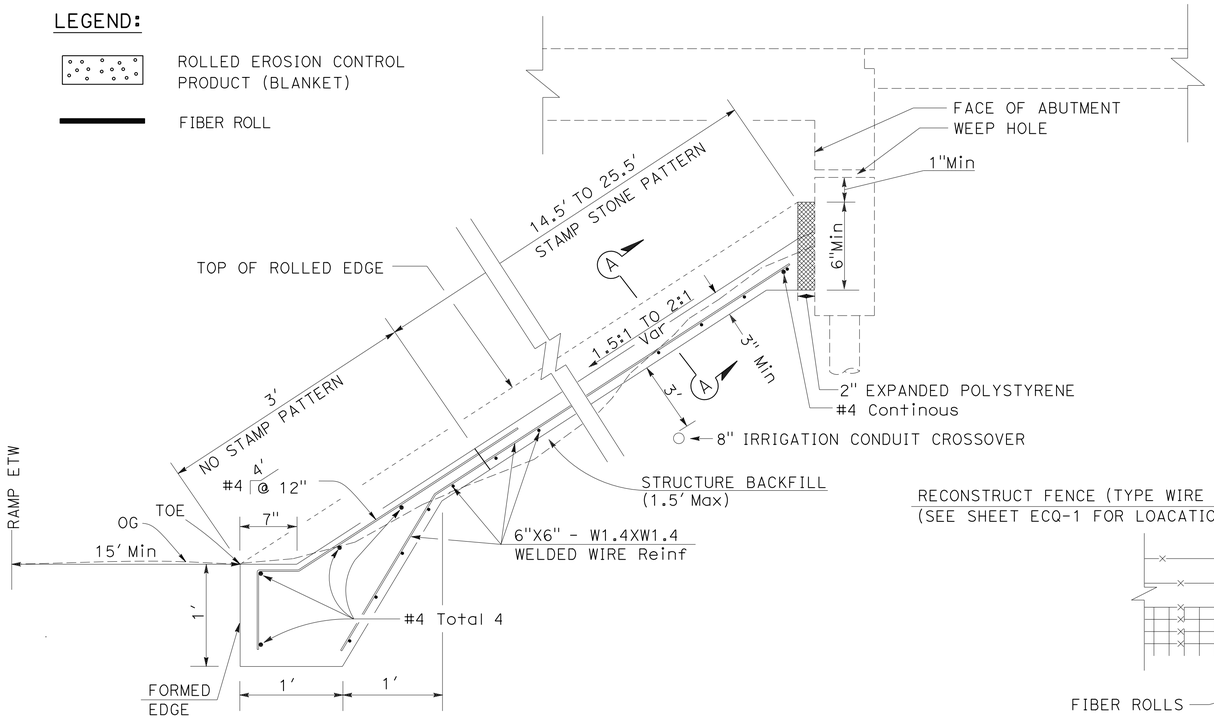
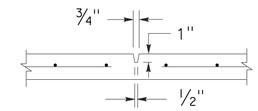
LEGEND:

ROLLED EROSION CONTROL PRODUCT (BLANKET)

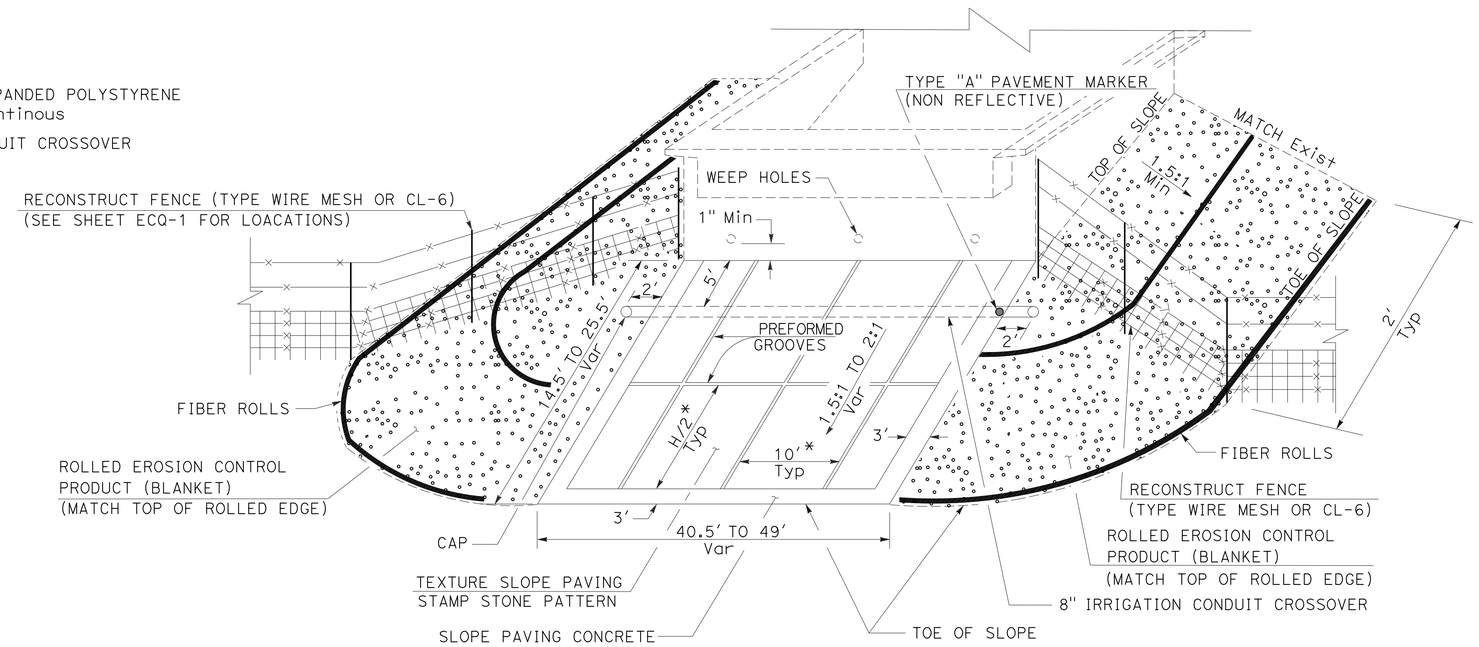
FIBER ROLL



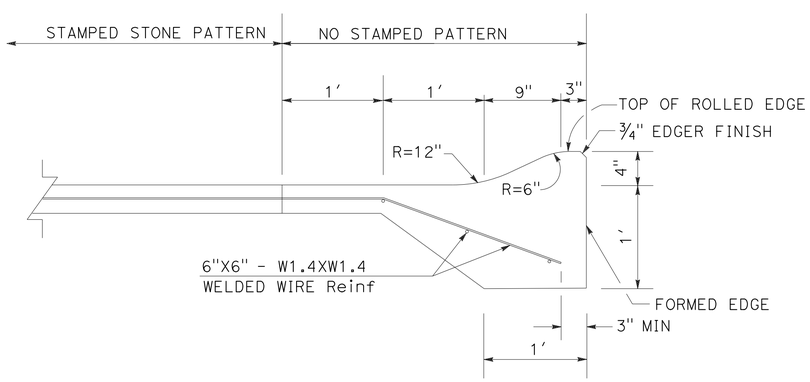
ELEVATION



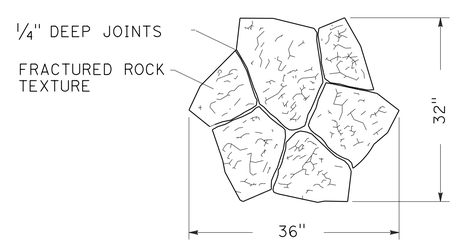
PREFORMED GROOVE



TYPICAL INSTALLATION



SECTION A - A



SLOPE PAVING (TEXTURED CONCRETE)
STAMP STONE PATTERN

LOCATION (8), (10) AND (11)

LOCATION (7) WEST SIDE OF BRIDGE ONLY
EAST SIDE PLACE WEED CONTROL MAT (RUBBER)

CONSTRUCTION DETAILS

NO SCALE

C-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: DAVID FRANKE
GEORGE PANOS
RONNIE KIER
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 01-14-13
DATE PLOTTED => 17-JAN-2013
TIME PLOTTED => 11:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	6	14

Ronnie K. Kier 10/23/12
REGISTERED CIVIL ENGINEER DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RONNIE K.KIER
No. C60877
Exp. 12/31/14
CIVIL
STATE OF CALIFORNIA

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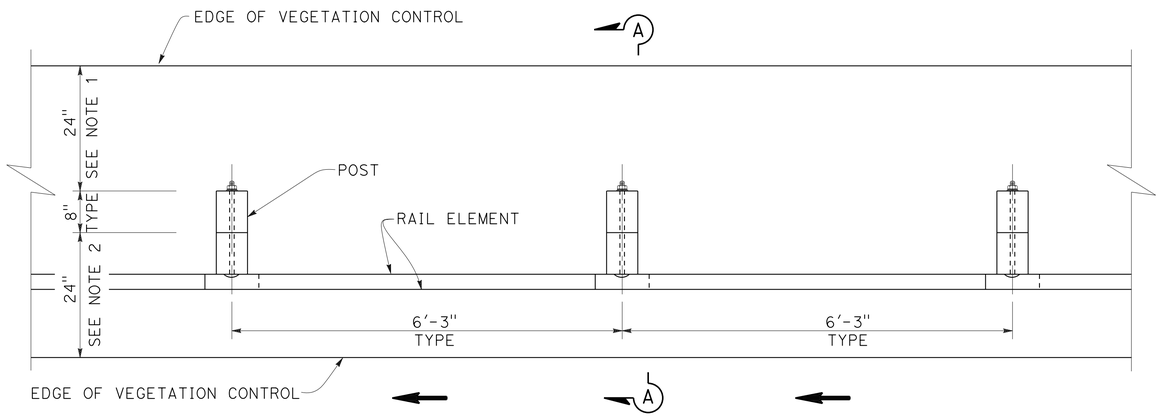
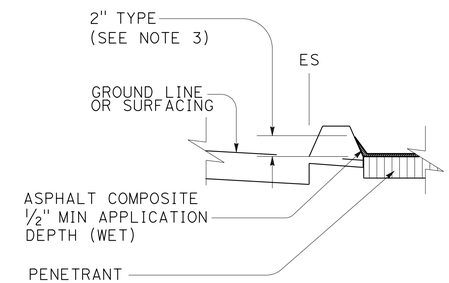


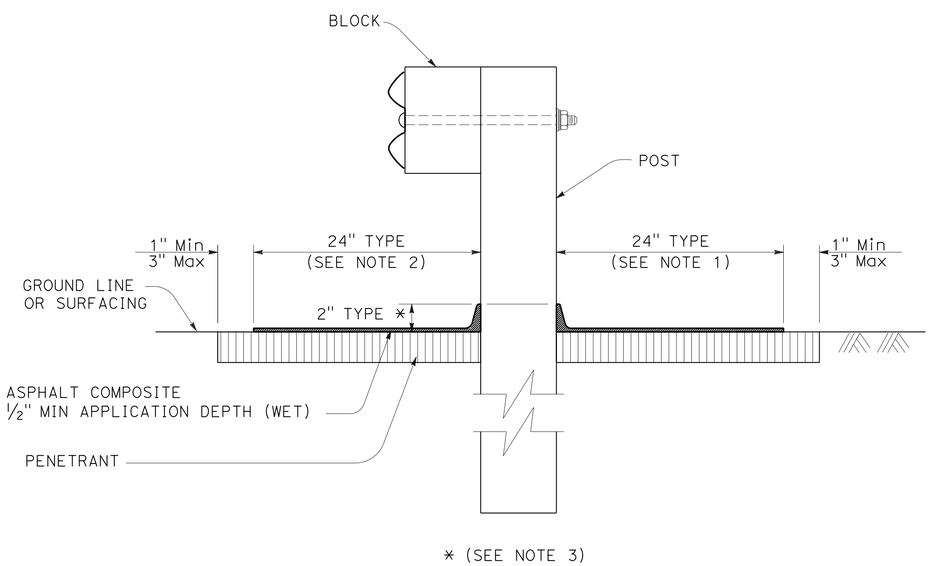
PLAN

NOTES:

1. WHERE THE DISTANCE BETWEEN BACK OF POST AND HINGE POINT IS LESS THAN 24", VEGETATION CONTROL TO BE CONSTRUCTED 6" BEYOND THE HINGE POINT WITH THE EDGE KEYED IN.
2. WHERE CURB OR DIKE IS CONSTRUCTED UNDER RAILING, CONSTRUCT VEGETATION CONTROL TO BACK EDGE OF CURB OR DIKE. WHERE PAVED SHOULDER IS CONSTRUCTED WITHIN 24" IN FRONT OF THE POST, CONSTRUCT VEGETATION CONTROL TO THE EDGE OF PAVED SHOULDER.
3. FEATHER EDGE OF ASPHALT COMPOSITE TRANSITION UP POSTS AND BACK OF CURBS AND DIKES. TRANSITION LINE SHALL FORM A REASONABLY STRAIGHT LINE, HORIZONTALLY FROM POST TO POST OR ALONG TOP EDGE OF CURB OR DIKE.
4. DIRECTION OF ADJACENT TRAFFIC INDICATED BY ← .

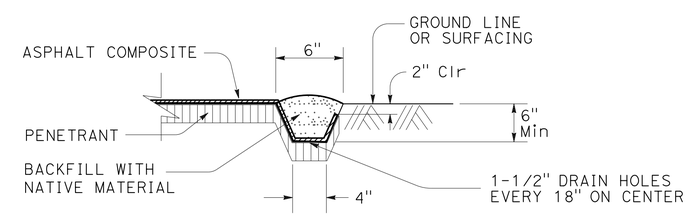


VEGETATION CONTROL at CURB OR DIKE



* (SEE NOTE 3)

SECTION A-A



KEY EDGE

CONSTRUCTION DETAILS
VEGETATION CONTROL (ASPHALT COMPOSITE)

NO SCALE

C-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: DAVID FRANKE
CALCULATED-DESIGNED BY: RONNIE KIER
CHECKED BY: DAVID FRANKE
REVISED BY
DATE REVISED

LAST REVISION 10-23-12
DATE PLOTTED => 17-JAN-2013
TIME PLOTTED => 11:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	7	14

Ronnie K. Kier 10/23/12
REGISTERED CIVIL ENGINEER DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RONNIE K.KIER
No. C60877
Exp. 12/31/14
CIVIL
STATE OF CALIFORNIA

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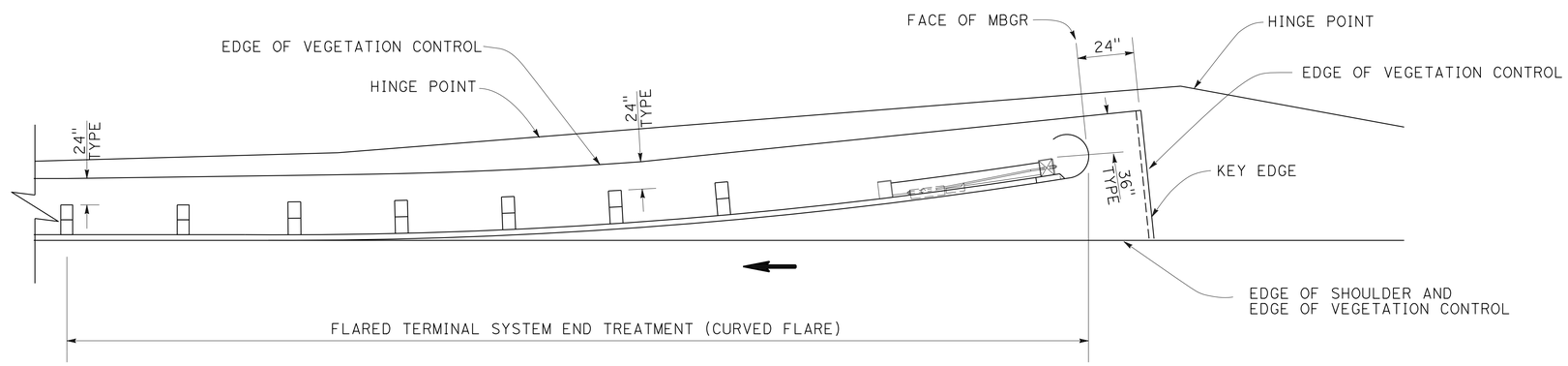
NOTES:

1. WHERE THE DISTANCE BETWEEN BACK OF POST AND HINGE POINT IS LESS THAN 24", VEGETATION CONTROL TO BE CONSTRUCTED 6" BEYOND THE HINGE POINT WITH THE EDGE KEYED IN.
2. WHERE DIKE IS CONSTRUCTED UNDER RAILING, CONSTRUCT VEGETATION CONTROL TO BACK EDGE OF CURB OR DIKE. WHERE PAVED SHOULDER IS CONSTRUCTED WITHIN 24" IN FRONT OF THE POST, CONSTRUCT VEGETATION CONTROL TO THE EDGE OF PAVED SHOULDER.
3. DIRECTION OF ADJACENT TRAFFIC INDICATED BY ←.



PLAN

CONSTRUCTION DETAILS

VEGETATION CONTROL (ASPHALT COMPOSITE)

NO SCALE

C-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: DAVID FRANKE
CALCULATED-DESIGNED BY: RONNIE KIER
CHECKED BY: DAVID FRANKE
REVISED BY
DATE REVISED

LAST REVISION 10-23-12
DATE PLOTTED => 17-JAN-2013
TIME PLOTTED => 11:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	8	14

Gloria Ramirez
LICENSED LANDSCAPE ARCHITECT

11-13-12
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
GLORIA RAMIREZ No. 5263
Signature
04/30/14
Renewal Date
10/11/12
Date
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.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

SEED MIX

SEED	BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
MIX 1	ACHILLEA MILLEFOLIUM (WHITE YARROW)	76	1.00
	CLARKIA AMOENA (FAREWELL TO SPRING)	72	2.00
	ESCHSCHOLZIA CALIFORNICA CALIFORNIA POPPY	72	2.00
	FESTUCA IDAHOENSIS 'ROMERI' BLUE BUNCH GRASS	72	4.00
	LASTHENIA GLABRATA (GOLDFIELDS)	76	0.50
	LAYIA PLATYGLOSSA (TIDY TIPS)	63	1.00
	LOTUS PURSHIANUS (PURSHINGS LOTUS)	63	1.00
	LUPINUS NANUS (SKY LUPINE)	76	2.00
	PHACELIA CAMPANULARIA (CALIFORNIA BLUEBELLS)	76	2.25
	POA SECUNDA SECUNDA (PINE BLUEGRASS)	63	4.00
	SALVIA FARINACEA (BLUE SAGE)	72	2.00

SEED PRODUCED IN CALIFORNIA ONLY.

FIBER ROLLS

SEQUENCE	ITEM	MATERIAL		REMARKS
		DESCRIPTION	TYPE	
IN EC AREAS FIBER ROLLS MUST BE INSTALLED AFTER RECP (BLANKET)	FIBER ROLLS	FIBER ROLL	TYPE B 8" TO 10" Dia	TYPE 1 FIBER ROLL INSTALLATION

EROSION CONTROL

SEQUENCE	ITEM	MATERIAL DESCRIPTION	APPLICATION	
			RATE	DEPTH
STEP 1	DRY SEED	SEED	21.75 LB/ACRE	-
STEP 2	COMPOST	COMPOST	134 CY/ACRE	1"
STEP 3	ROLLED EROSION CONTROL PRODUCT (BLANKET)	BLANKET	TYPE C	-

EROSION CONTROL QUANTITIES

LOCATION	DESCRIPTION			
	EROSION CONTROL TYPE 1			FIBER ROLLS
	DRY SEED	COMPOST	ROLLED EROSION CONTROL PRODUCT (BLANKET)	
	SQFT	SQFT	SQFT	LF
7	3,550	3,550	3,550	140
8	7,735	7,735	7,735	280
10	9,138	9,138	9,138	280
11	6,868	6,868	6,868	280
TOTAL	27,291	27,291	27,291	980

EROSION CONTROL QUANTITIES

APPROVED FOR EROSION CONTROL WORK ONLY

ECQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: BRAD COLE
CALCULATED-DESIGNED BY: GLORIA RAMIREZ
CHECKED BY: KEVIN GALLO
REVISED BY
DATE REVISED

LAST REVISION 11-15-12
DATE PLOTTED => 17-JAN-2013
TIME PLOTTED => 11:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	9	14

REGISTERED CIVIL ENGINEER 10-16-12 DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER KAMRUL KHAN No. 74112 Exp 06/30/13 CIVIL STATE OF CALIFORNIA

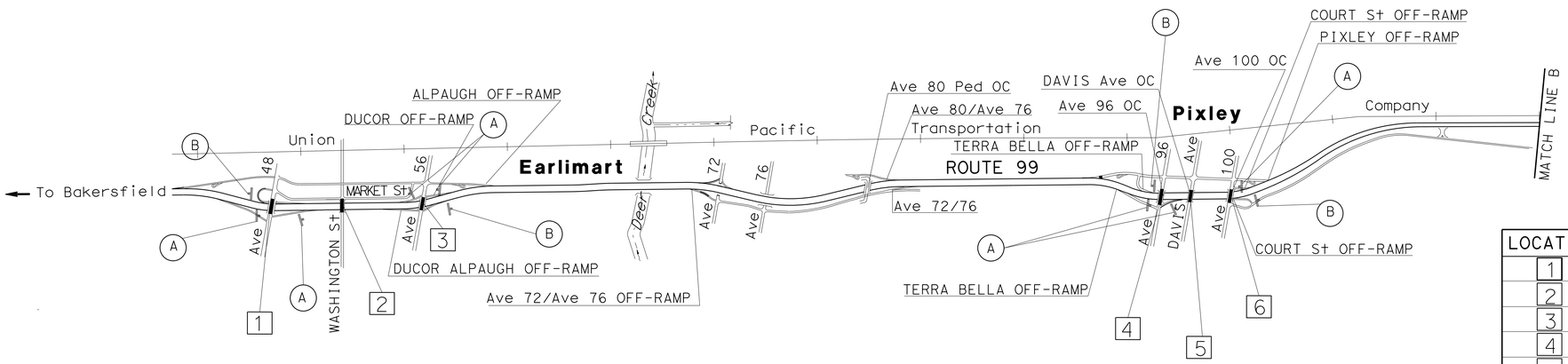
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

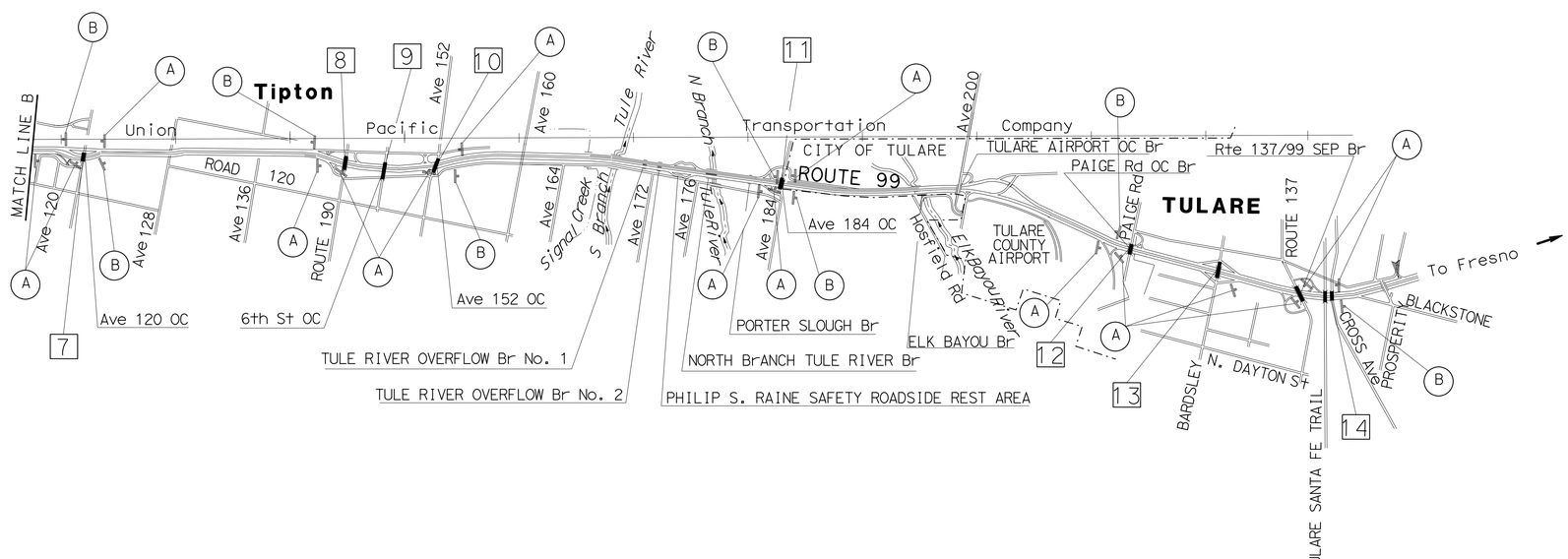
NOTES:

1. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE	No. OF POST AND SIZE	No. OF SIGNS
A	W20-1	ROAD WORK AHEAD	48" x 48"	1 - 6" x 6"	23
B	G20-2	END ROAD WORK	36" x 18"	1 - 4" x 4"	12





LOCATIONS OF CONSTRUCTION

LOCATION	PM	DESCRIPTION
1	6.1	Ave 48 - ARMSTRONG Ave OC
2	6.6	Ave 52 - WASHINGTON Ave OC
3	7.2	Ave 56 - SIERRA Ave - Co Rd J22 OC
4	12.3	Ave 96 - E TERRA BELLA Ave - Co Rd J24 OC
5	12.6	DAVIS Ave - DAVIS St OC
6	12.8	Ave 100 - COURT Ave OC
7	15.4	Ave 120 - HESSE Ave OC
8	18.4	Ave 144 - Rte 190 - POPLAR Ave OC
9	18.9	SIXTH STREET OC
10	19.5	Ave 152 - E OLIVE Ave OC
11	23.5	Ave 184 - OCTOL Ave OC
12	27.6	PAIGE Ave OC
13	28.6	BARDSLEY Ave OC
14	29.9	CROSS Ave OC

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

REVISED BY | DATE REVISED
KAMRUL KHAN | HASSAN TAHA
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
MOHAMMED QATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 10-23-12 | DATE PLOTTED => 17-JAN-2013 | TIME PLOTTED => 11:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	10	14

Ronnie K. Kier 10/23/12
REGISTERED CIVIL ENGINEER DATE

11-13-12
PLANS APPROVAL DATE

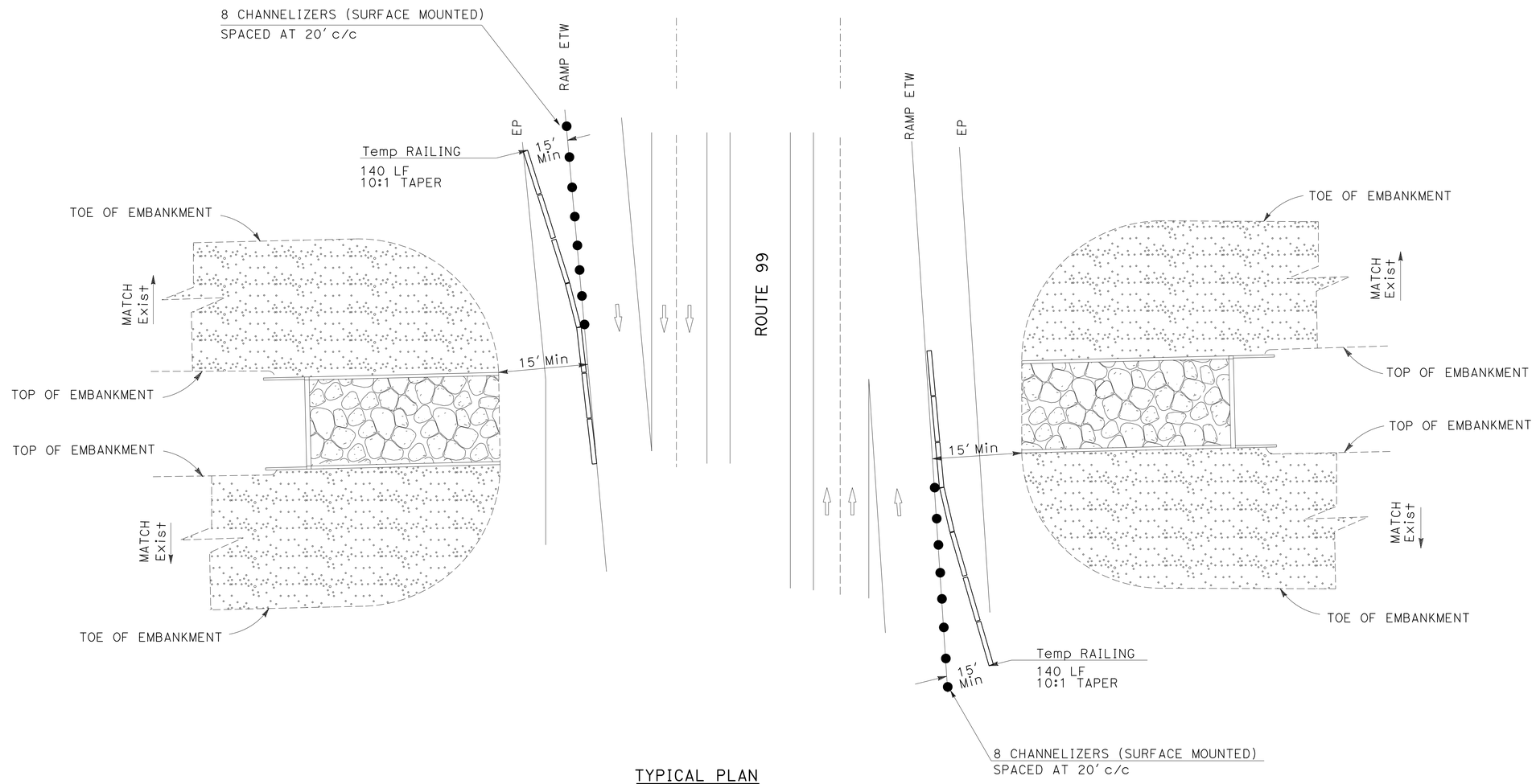
REGISTERED PROFESSIONAL ENGINEER
RONNIE K. KIER
No. C60877
Exp. 12/31/14
CIVIL
STATE OF CALIFORNIA

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.

LEGEND:

Temp RAILING (TYPE K)

CHANNELIZER (SURFACED MOUNTED)



TYPICAL PLAN

LOCATION (7) - PM15.4- Ave 120 - HESSE Ave OC
LOCATION (8) - PM18.4- Ave 144 - Rte 190 - POPLAR Ave OC
LOCATION (10) - PM19.5- Ave 152 - E OLIVE Ave OC
LOCATION (11) - PM23.5- Ave 184 - OCTOL Ave OC

TEMPORARY RAILING (TYPE K) FOR SLOPE PAVING

TRAFFIC HANDLING PLAN

NO SCALE

TH-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

FUNCTIONAL SUPERVISOR: DAVID FRANKE
CALCULATED-DESIGNED BY: GEORGE PANOS
CHECKED BY: RONNIE KIER
REVISED BY
DATE REVISED

LAST REVISION 10-23-12
DATE PLOTTED => 17-JAN-2013
TIME PLOTTED => 11:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	11	14

Ronnie K. Kier 10/23/12
REGISTERED CIVIL ENGINEER DATE

11-13-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RONNIE K.KIER
No. C60877
Exp. 12/31/14
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.

SUMMARY OF QUANTITIES

LOCATION	POST MILE	BRIDGE #	OVERCROSSING	SLOPE PAVING (TEXTURED CONCRETE)	VEGETATION CONTROL (ASPHALT COMPOSITE)	8" IRRIGATION CROSSOVER CONDUIT	8" IRRIGATION CONDUIT CROSSOVER CAP (N)	PAINT CONCRETE SURFACES	RECONSTRUCT FENCE (TYPE WIRE MESH)	RECONSTRUCT CHAIN LINK FENCE (TYPE CL-6)	REMOVE CHANNELIZERS	TEMPORARY RAILING (TYPE K)	TEMPORARY TRAFFIC SCREEN	CHANNELIZER (SURFACED MOUNTED)
				CY	SQYD	LF	EA	SQFT	LF	LF	EA	LF	LF	EA
1	6.1	46-165	Ave 48 - ARMSTRONG Ave					956.0						
2	6.6	46-166	Ave 52 - WASHINGTON Ave					772.0						
3	7.2	46-167	Ave 56 - SIERRA Ave - Co Rd J22					856.0						
4	12.3	46-171	Ave 96 - E TERRA BELLA Ave - Co Rd J24					864.0						
5	12.6	46-172	DAVIS Ave - DAVIS St					840.0						
6	12.8	46-173	Ave 100 - COURT Ave					916.0						
7	15.4	46-189	Ave 120 - HESSE Ave	14	130	45	2	634.0	40		2.0	300	300	8
8	18.4	46-190E	Ave 144 - Rte 190 - POPLAR Ave	23		106	4	529.9	60		2.0	300	300	16
9	18.9	46-188	SIXTH St					960.0						
10	19.5	46-191	Ave 152 - E OLIVE Ave	26		99	4	663.2		240	2.0	300	300	16
11	23.5	46-192	Ave 184 - OCTOL Ave	24		89	4	673.6	100		2.0	300	300	16
12	27.6	46-158	PAIGE Ave					771.6						
13	28.6	46-249	BARDSLEY Ave					800.0						
14	29.9	46-249	CROSS Ave					860.0						
TOTAL				87	130	339		11,096.3	200	240	8.0	1200	1200	56

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

TEMPORARY WATER POLLUTION CONTROL

LOCATION	POST MILE	BRIDGE #	OVERCROSSING	TEMPORARY FIBER ROLL
				LF
7	15.4	46-189	Ave 120 - HESSE Ave	71
8	18.4	46-190E	Ave 144 - Rte 190 - POPLAR Ave	142
10	19.5	46-191	Ave 152 - E OLIVE Ave	142
11	23.5	46-192	Ave 184 - OCTOL Ave	142
TOTAL				497

SUMMARY OF QUANTITIES

Q-1

REVISED BY | DATE REVISED
RONNIE KIER | DAVID FRANKE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
DAVID FRANKE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 11-07-12 | DATE PLOTTED => 17-JAN-2013 | TIME PLOTTED => 11:26

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	12	14

REGISTERED CIVIL ENGINEER 12-7-12 DATE

11-13-12
PLANS APPROVAL DATE

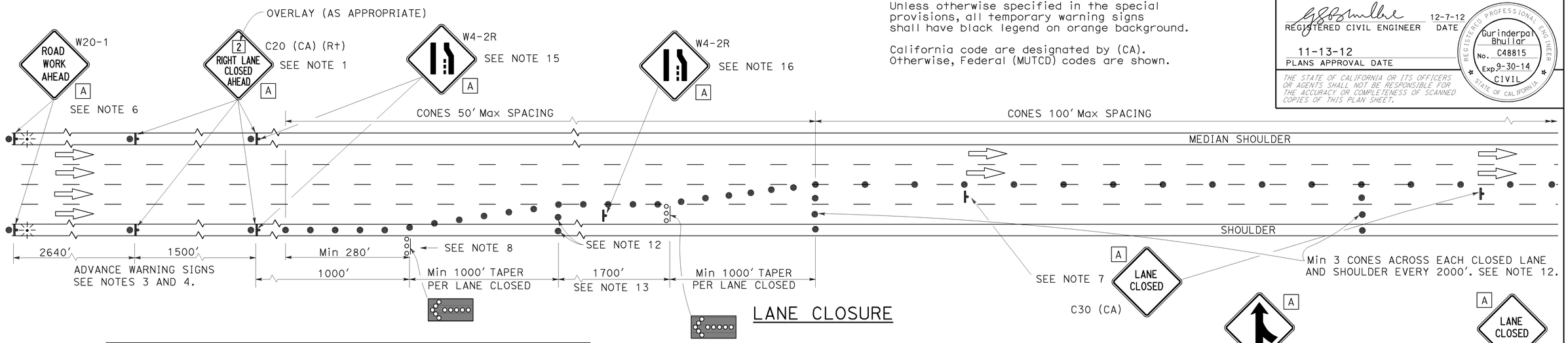
REGISTERED PROFESSIONAL ENGINEER Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

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.

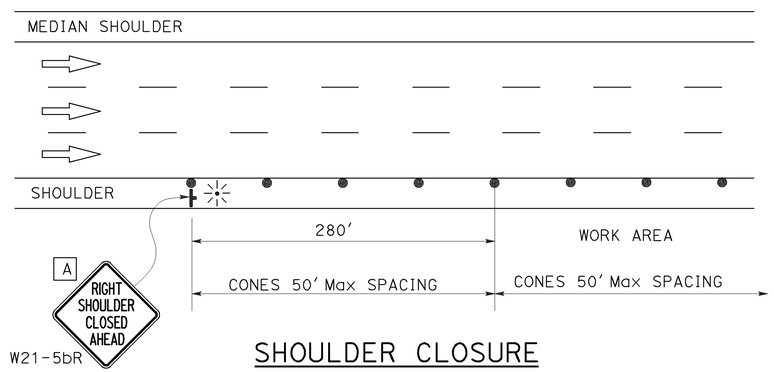
NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

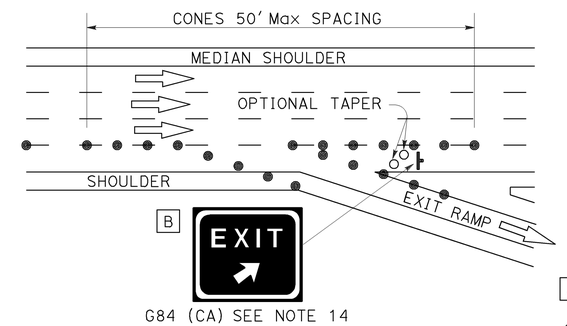
California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



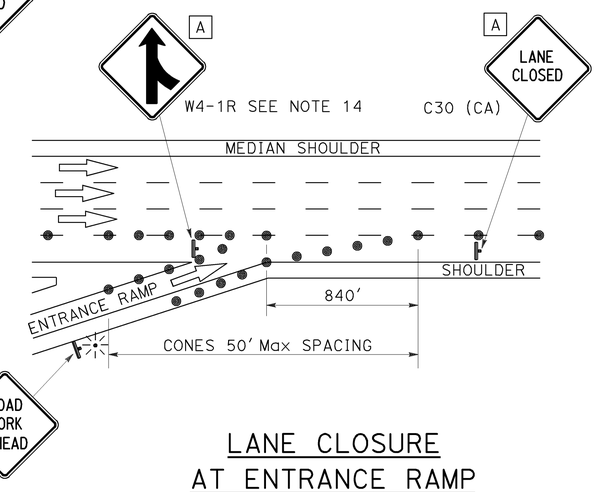
LANE CLOSURE



SHOULDER CLOSURE



LANE CLOSURE AT EXIT RAMP



LANE CLOSURE AT ENTRANCE RAMP

NOTES:

1. Median lane closures shall conform to the details for outside lane closures except that C20 (CA) (Lt) signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Duplicate sign installations are not required:
   a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
   b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
5. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.
6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____ MILES", use a C20 (CA) sign for the first advance warning sign.
7. Place a C30 (CA) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The first flashing arrow sign shall be Type I. All others may be either Type I or Type II.
9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
10. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 1700' tangent shown along lane lines shall be used between the 1000' tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the G84 (CA) and W4-1 signs shall be used as shown.
15. When specified in the special provisions, a W4-2 "LANE ENDS" symbol sign is to be used in place of the C20 (CA) "RIGHT LANE CLOSED AHEAD" sign.
16. The W4-2 "LANE ENDS" symbol sign shown at this location is to be used where the W4-2 sign is used as advance warning as described in Note 15.

SIGN PANEL SIZE (Min)

A	48" x 48"
B	54" x 48"

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

TCS-1

REVISED BY | DATE REVISED | CALCULATED-DESIGNED BY | CHECKED BY | FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

LAST REVISION 00-00-00 | DATE PLOTTED => 10-DEC-2012 | TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	13	14

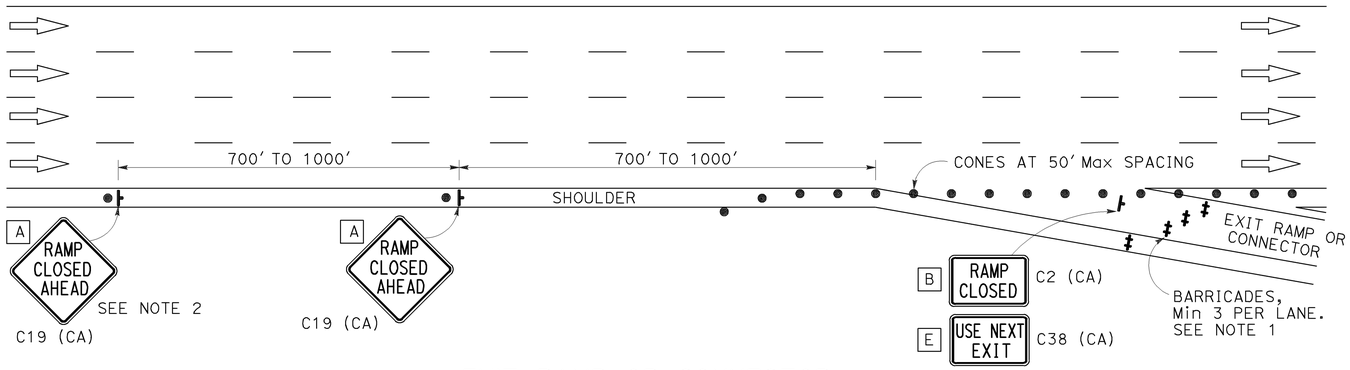
REGISTERED CIVIL ENGINEER 12-7-12 DATE

11-13-12
PLANS APPROVAL DATE

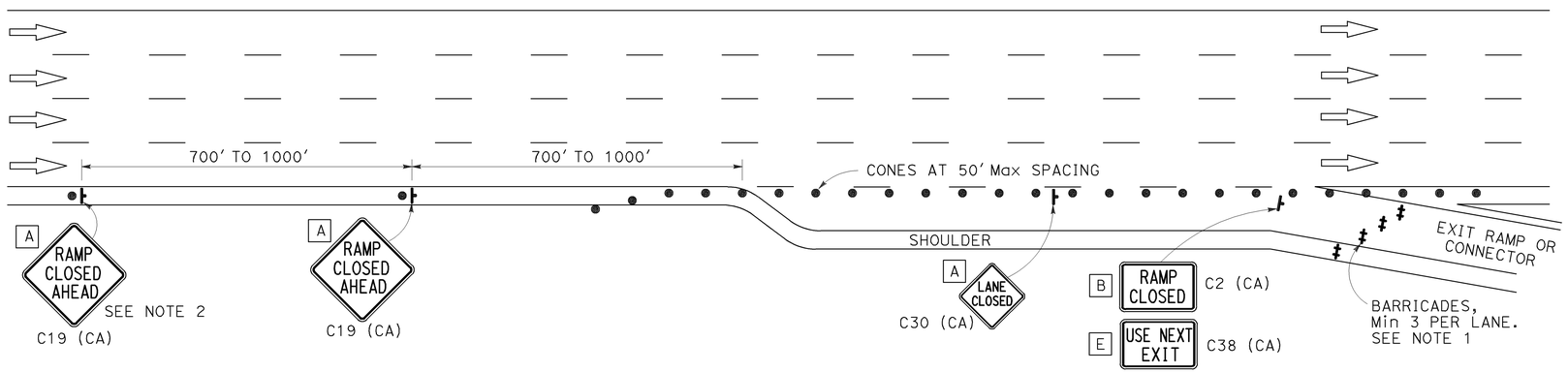
REGISTERED PROFESSIONAL ENGINEER Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

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.

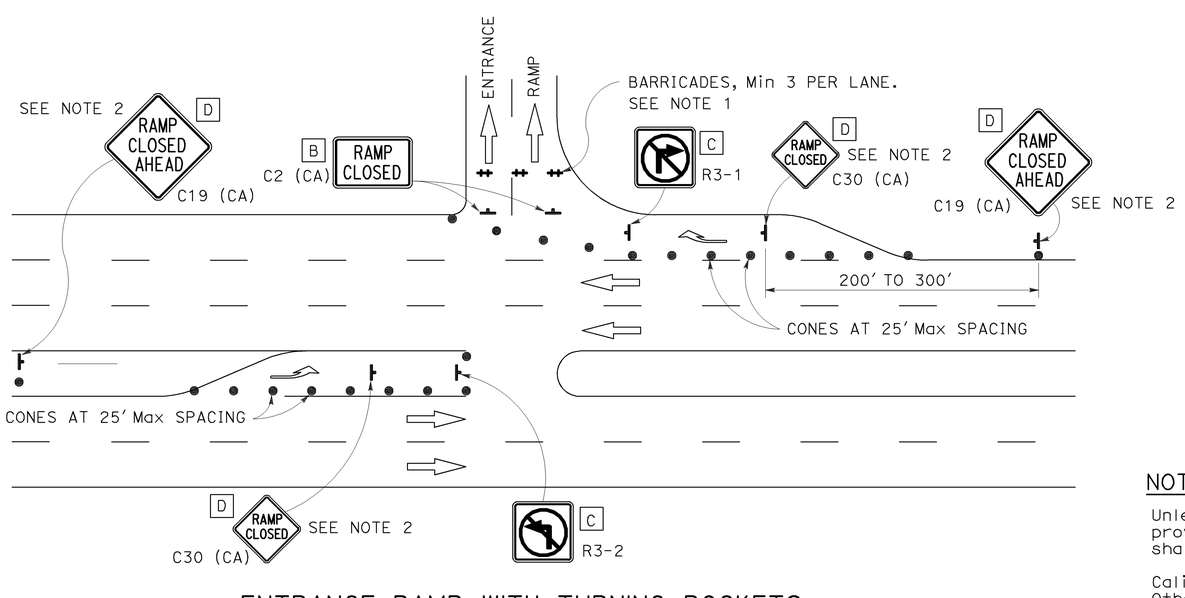
TYPICAL RAMP CLOSURES



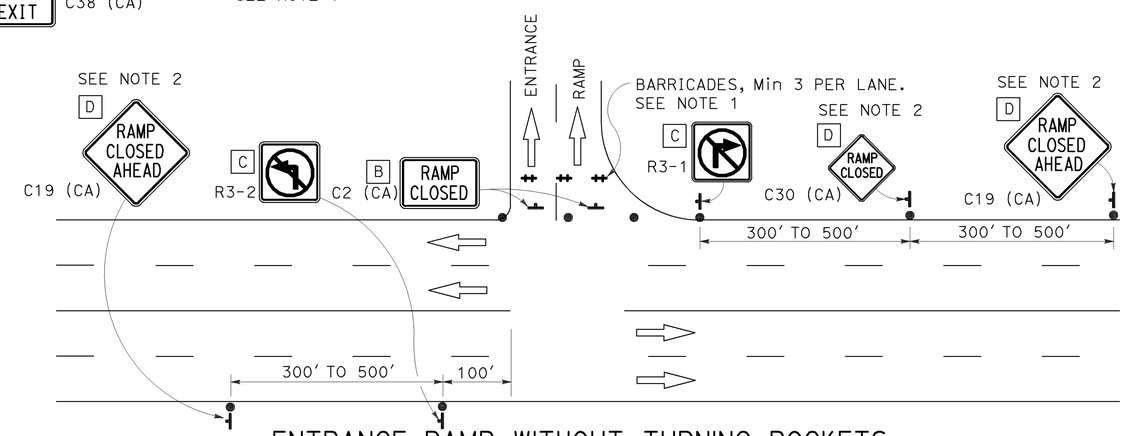
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 30"
- C 30" x 30"
- D 48" x 48" - SPEED OF 50 mph OR MORE
  36" x 36" - SPEED LESS THAN 50 mph
- E 48" x 36"

LEGEND

- TRAFFIC CONE
- TEMPORARY SIGN
- BARRICADES

NOTES:

1. Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
2. In addition to placing the C19 (CA) "RAMP CLOSED AHEAD" and C30 (CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
3. Each advance C19 (CA) "RAMP CLOSED AHEAD" sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color.
4. All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
5. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
6. At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
7. The existing "EXIT" sign in the gore area shall be covered during ramp closures.

NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURE

NO SCALE

TCS-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

FUNCTIONAL SUPERVISOR | CALCULATED-DESIGNED BY | CHECKED BY | REVISED BY | DATE REVISED

LAST REVISION 00-00-00 | DATE PLOTTED => 10-DEC-2012 | TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Tul	99	6.1/29.9	14	14

REGISTERED CIVIL ENGINEER

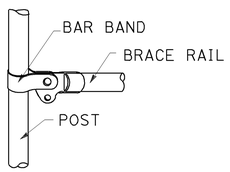
October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Glenn DeCou No. C34547 Exp. 9-30-13 CIVIL STATE OF CALIFORNIA

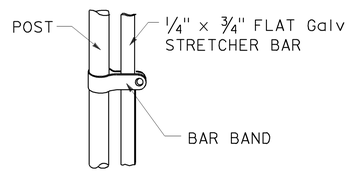
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 11-13-12

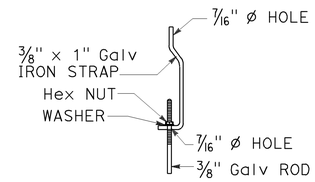
2010 REVISED STANDARD PLAN RSP A85B



BRACE RAIL



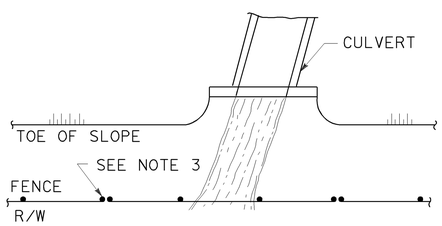
STRETCHER BAR



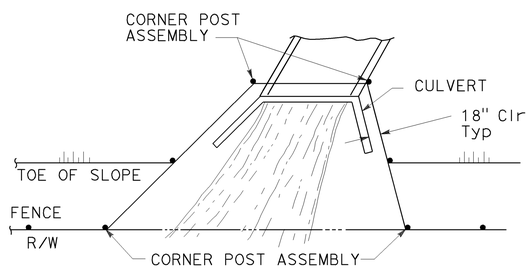
TRUSS TIGHTENER

NOTES:

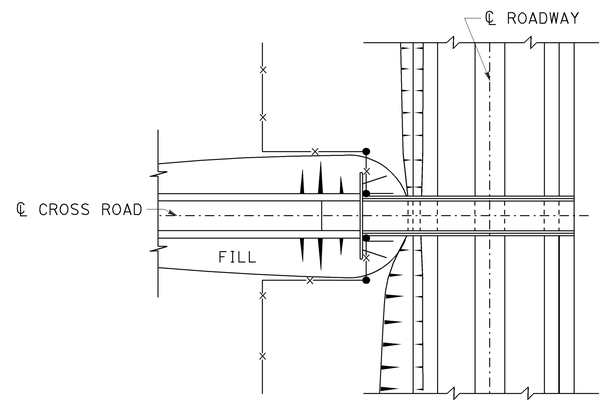
1. All material for abutment connection to be galvanized.
2. The chain link fabric shall be replaced by barbed wire strands at 12" maximum centers between the double posts.
3. When the width of the culvert makes it necessary to anchor a post to the top of the culvert, a cast iron shoe or other device approved by the Engineer shall be used.
4. Fencing over stream and around headwall may also use Barbed Wire or Wire Mesh fencing with either wood post or steel post installation.
5. See Standard Plan A85 for Chain Link fence dimensions. See Standard Plan A86 for Barbed Wire and Wire Mesh fence dimensions and for wood post and steel post installation.



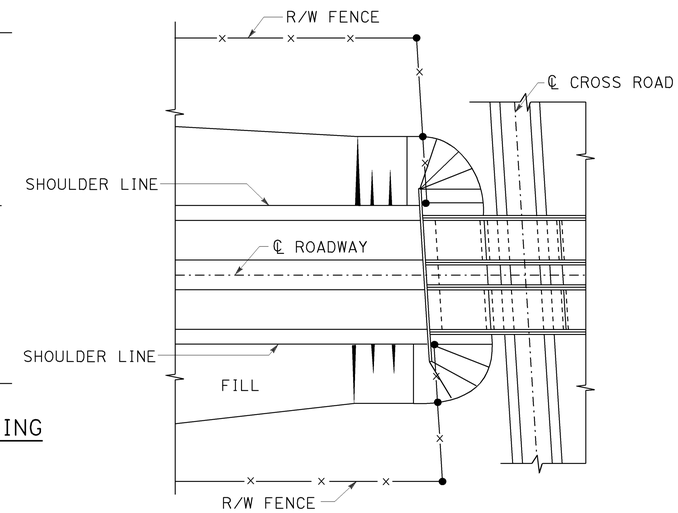
PLAN



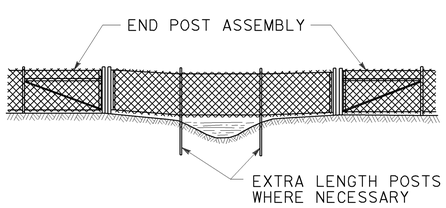
PLAN



PLAN OF ROADWAY - OVERCROSSING

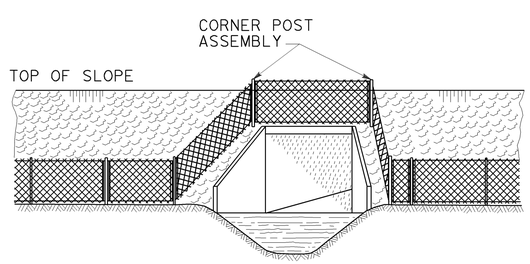


PLAN OF ROADWAY - UNDERCROSSING



ELEVATION

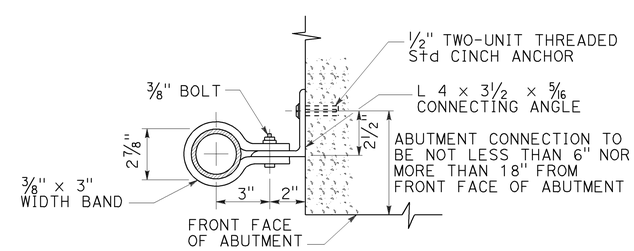
INSTALLATION OVER STREAM



ELEVATION

INSTALLATION AROUND HEADWALL

See Note 4



ABUTMENT CONNECTION

TYPICAL INSTALLATION AT BRIDGES

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE DETAILS

NO SCALE

RSP A85B DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A85B DATED MAY 20, 2011 - PAGE 114 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A85B

7-19-12