Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	1	34

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN VENTURA COUNTY AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION DETAILS
3-4	CONSTRUCTION AREA SIGNS
5-10	TRAFFIC HANDLING DETAILS
11	PAVEMENT DELINEATION QUANTITIES
12	SIGN DETAILS
13	SIGN QUANTITIES
14-19	TRAFFIC CONTROL SYSTEM
20-21	NEW & REVISED STANDARD PLANS

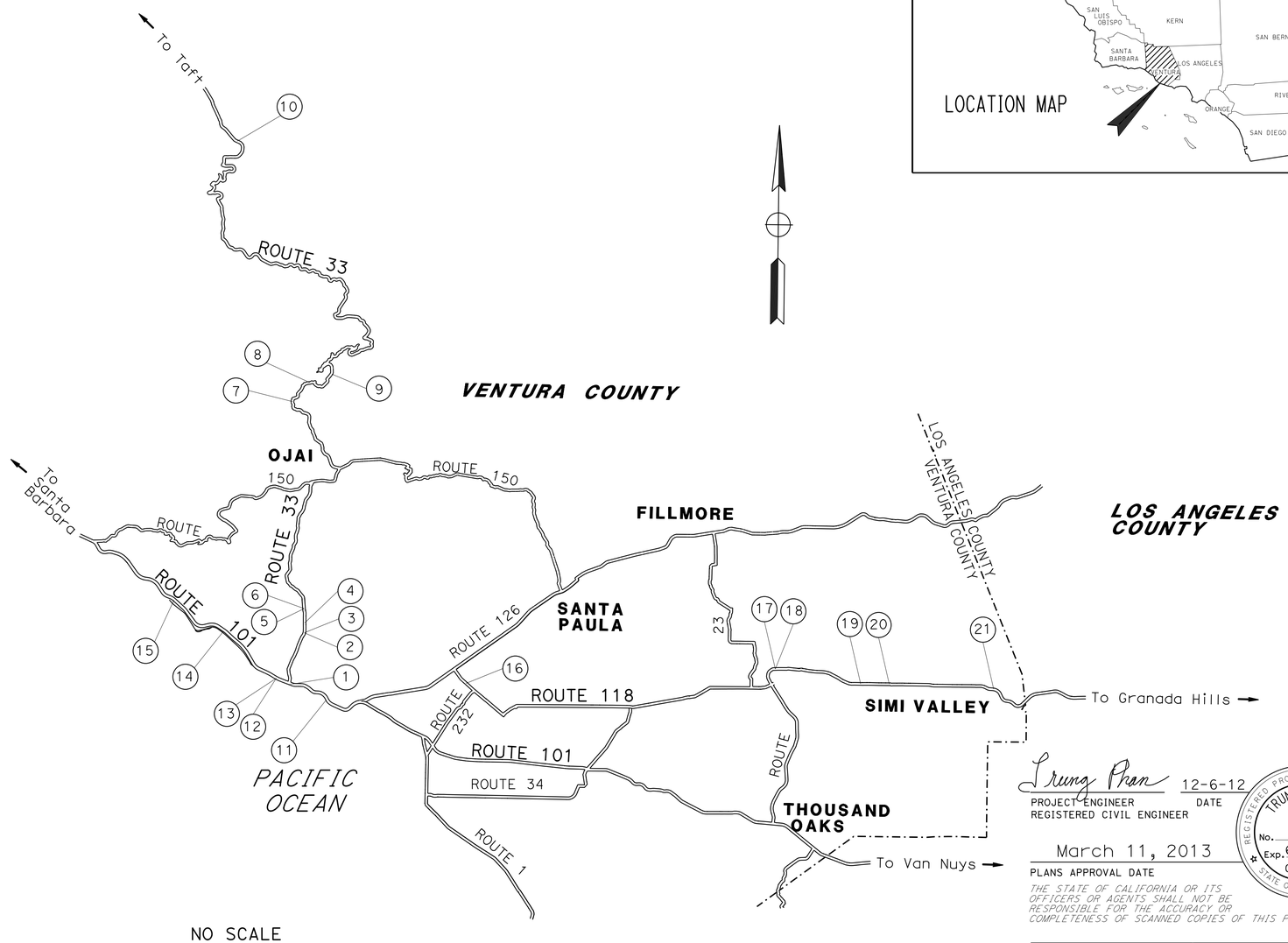
STRUCTURE PLANS

22-34	ROUTE 33, 101, 118 BRIDGES

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

LOCATIONS OF CONSTRUCTION

LOCATION (No.)	ROUTE	PM	BRIDGE No.	BRIDGE NAME
1	33	0.02	52-0233F	S33-S101 CONNECTOR UC
2	33	2.83	52-0186L	PIPELINE 1 UC
3	33	2.83	52-0186R	PIPELINE 1 UC
4	33	R3.27	52-0294L	NORTH VENTURA UC
5	33	R4.05	52-0295R	VENTURA Ave UC
6	33	R4.05	52-0295L	VENTURA Ave UC
7	33	16.13	52-0173	NORTH FORK MATILIJA CREEK
8	33	17.41	52-0066	NORTH FORK MATILIJA CREEK
9	33	19.36	52-0074	BEAR CREEK
10	33	48.67	52-0452	CUYAMA RIVER
11	101	28.47	52-0434	SEAWARD Ave OC
12	101	31.55	52-0245L	WEST MAIN St UC
13	101	31.55	52-0245R	WEST MAIN St UC
14	101	R35.35	52-0221R	SAN MIGUELITO Rd UC
15	101	R38.89	52-0367R	HOBSON ACCESS Rd UC
16	118	1.63	52-0049	SANTA CLARA RIVER
17	118	T19.19	52-0334L	PRINCETON Ave UC
18	118	T19.19	52-0334R	PRINCETON Ave UC
19	118	R23.81	52-0329	FIRST St OC
20	118	R25.08	52-0320R	DRY CANYON CHANNEL
21	118	R30.52	52-0282L	KUEHNER Dr UC



NO SCALE

LOCATION MAP

Trung Phan 12-6-12
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

March 11, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TRUNG PHAN No. 77878 Exp. 6-30-13 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.

PROJECT MANAGER CHRISTIAN SAM

DESIGN ENGINEER PAUL CRISPI

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

CONTRACT No.	07-1W2704
PROJECT ID	0700021227

LAST REVISION DATE PLOTTED => 13-MAR-2013

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	2	34

REGISTERED CIVIL ENGINEER 12-6-12 DATE

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TRUNG PHAN No. 77878 Exp. 6-30-13 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.

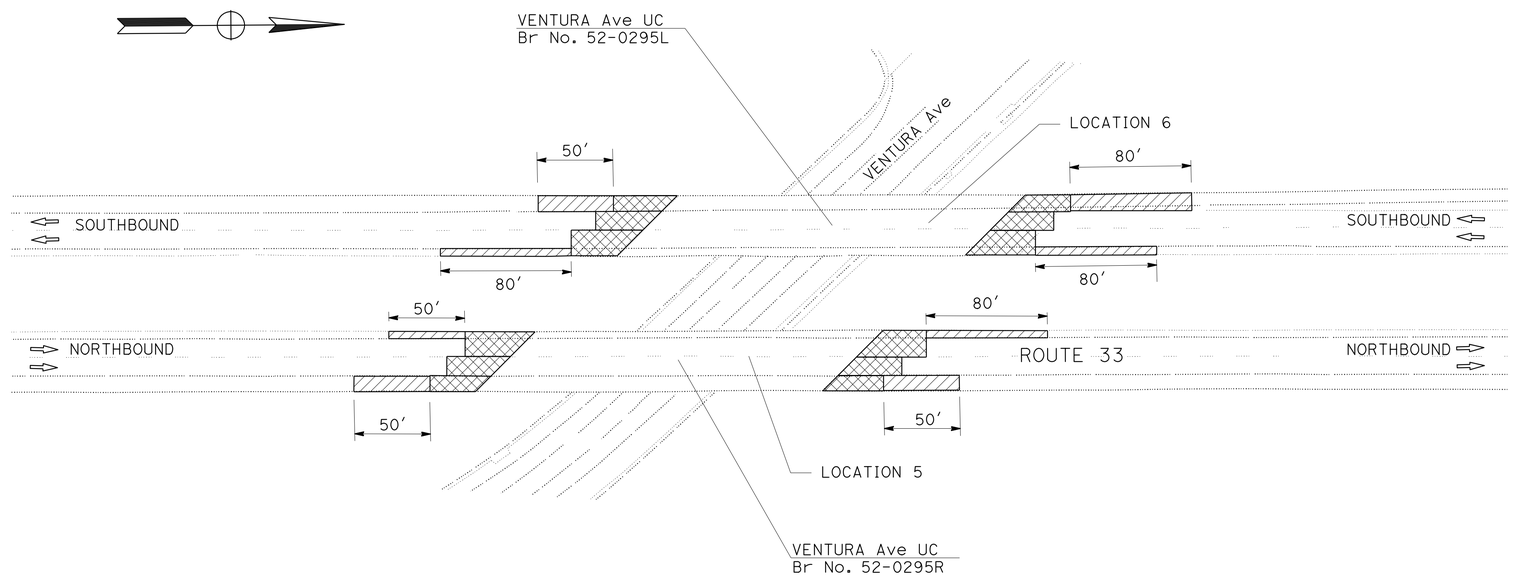
NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. EXISTING DRAINAGE INLETS HAVE NOT BEEN PLOTTED ON THESE PLANS.
3. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
4. OMIT COLD PLANE AND HOT MIX ASPHALT (TYPE A) PLACEMENT ON PCC PAVEMENT, BRIDGE DECKS, AND PULL BOXES.

LEGEND:

COLD PLANE ASPHALT CONCRETE/ HOT MIX ASPHALT (TYPE A)

STRUCTURAL CONCRETE, APPROACH SLAB TYPE R(30D). SEE STRUCTURE PLANS, GENERAL PLAN No. 3



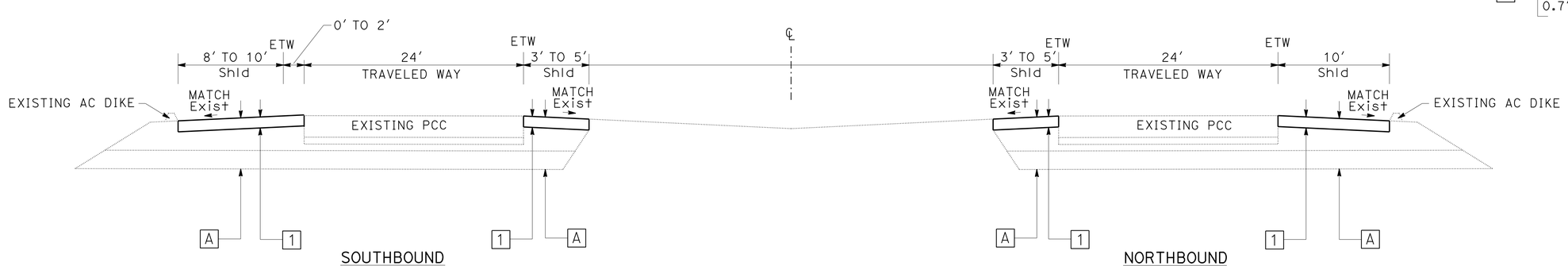
ROADWAY QUANTITIES	
COLD PLANE ASPHALT CONCRETE PAVEMENT (SQYD)	HOT MIX ASPHALT (TYPE A) (TON)
411	73

PROPOSED STRUCTURAL SECTION

1 — 0.25′ COLD PLANE ASPHALT CONCRETE
0.25′ HOT MIX ASPHALT (TYPE A)

EXISTING STRUCTURAL SECTION

A — 0.25′ ASPHALT CONCRETE
0.55′ TO 1.05′ AGGREGATE BASE
0.7′ AGGREGATE SUBBASE



ROUTE 33
PM R4.05

COLD PLANE ASPHALT CONCRETE/ HOT MIX ASPHALT (TYPE A)
LOCATIONS 5 AND 6

CONSTRUCTION DETAILS

NO SCALE

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: PAUL CRISPI
CALCULATED-DESIGNED BY: TRUNG PHAN
CHECKED BY: PAUL CRISPI
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 13-MAR-2013

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	3	34

Trung Phan 12-6-12
REGISTERED CIVIL ENGINEER DATE

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER TRUNG PHAN No. 77878 Exp. 6-30-13 CIVIL STATE OF CALIFORNIA

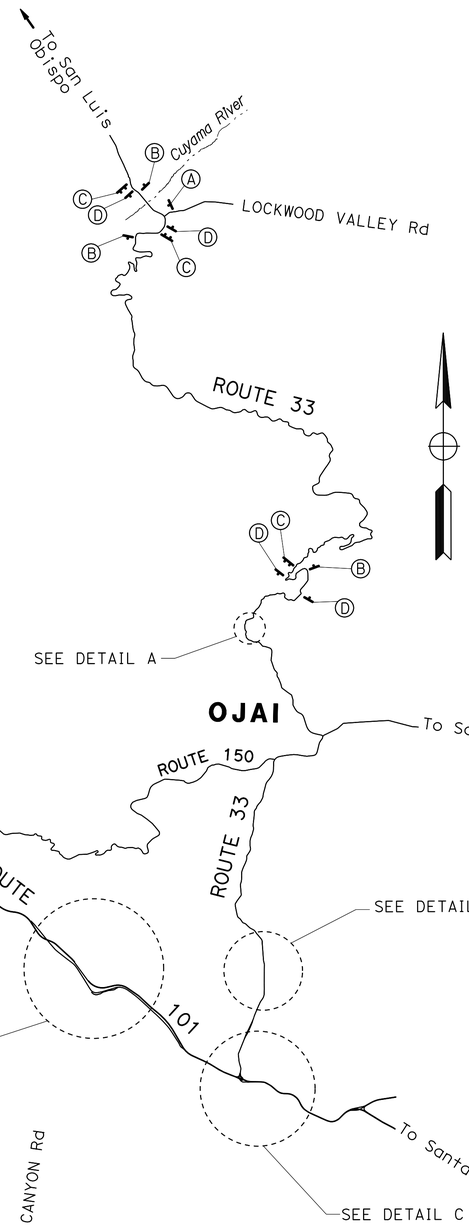
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

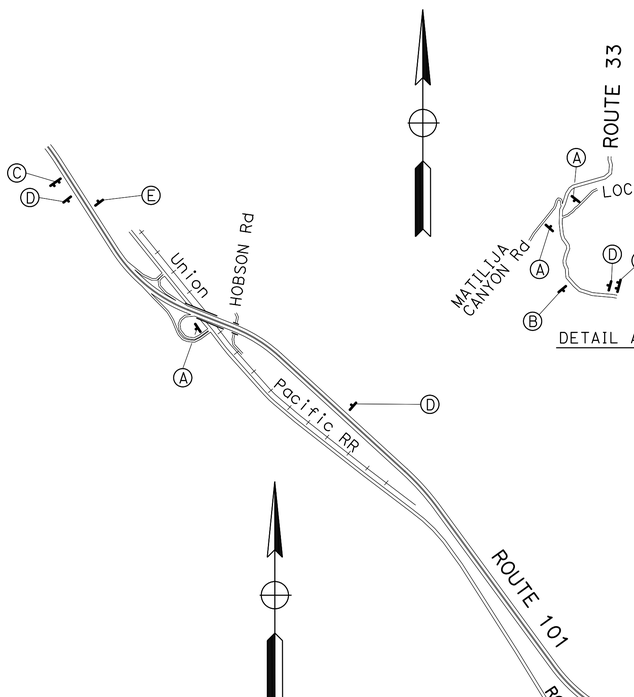
NOTES:

1. LOCATIONS OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

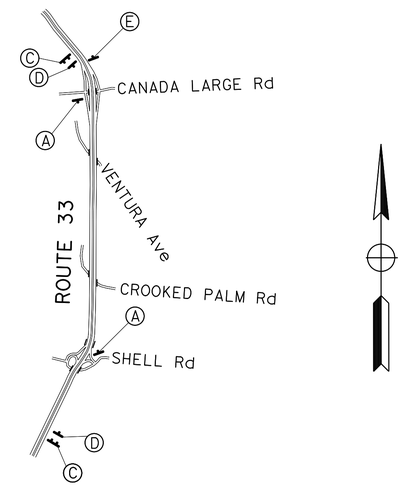
SIGN NUMBER	SIGN CODE	SIGN MESSAGE	PANEL SIZE (in)	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
A	W20-1	ROAD WORK AHEAD	36 x 36	1-4" x 4"	16
B	G20-2	END ROAD WORK	36 x 18	1-4" x 6"	4
C	C40(CA)	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	144 x 60	2-6" x 6"	14
D	W20-1	ROAD WORK AHEAD	48 x 48	1-4" x 6"	22
E	G20-2	END ROAD WORK	48 x 24	1-4" x 6"	7



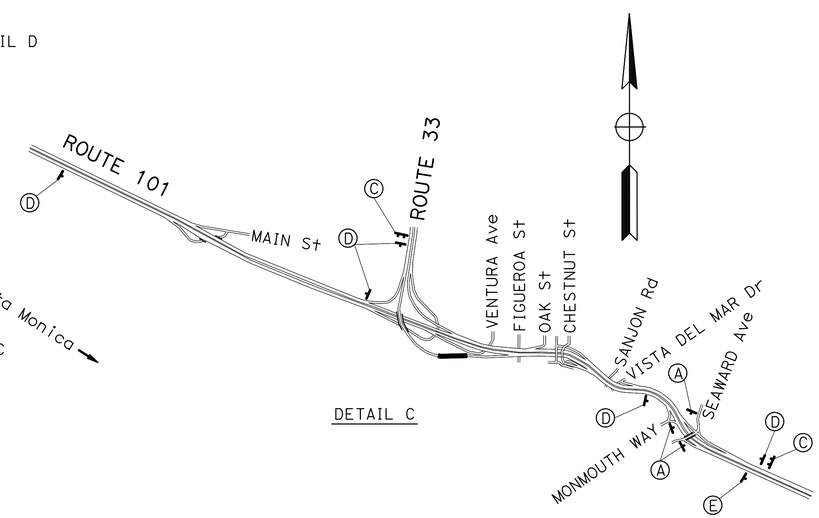


DETAIL B

DETAIL A



DETAIL D



DETAIL C

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: PAUL CRISPI
CALCULATED-DESIGNED BY: TRUNG PHAN
CHECKED BY: PAUL CRISPI
REVISED BY
DATE REVISED

LAST REVISION
DATE PLOTTED => 13-MAR-2013

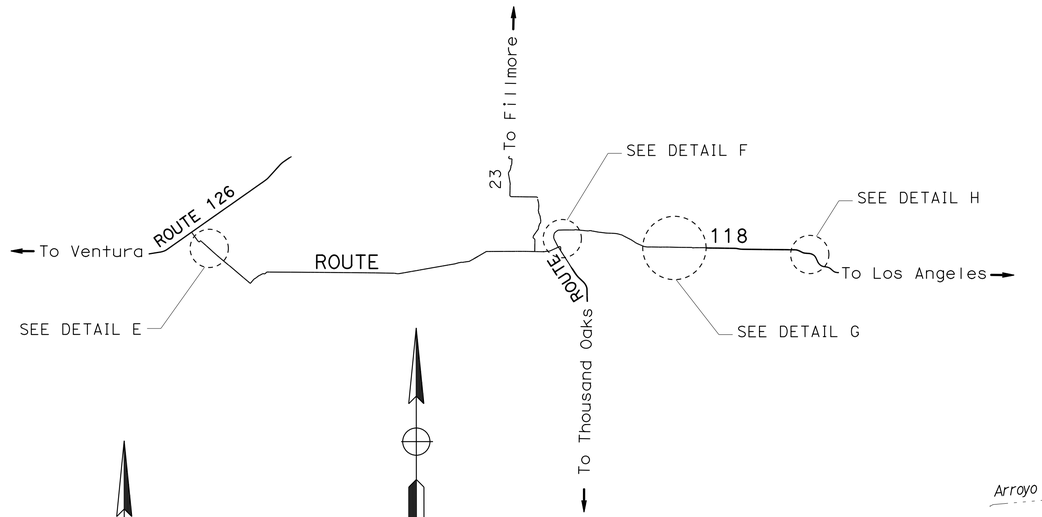
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	4	34

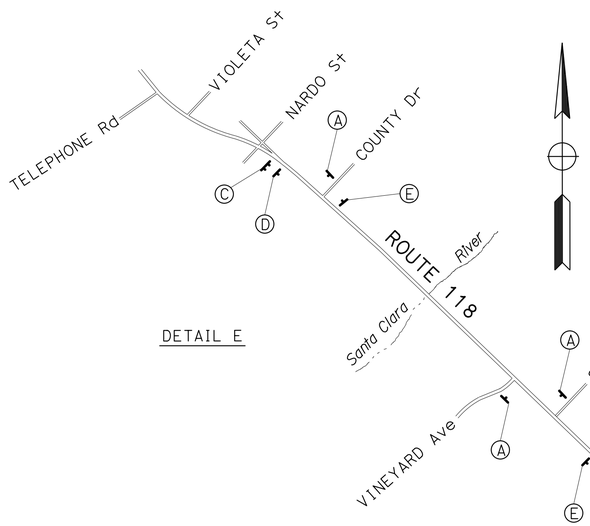
Trung Phan 12-6-12
REGISTERED CIVIL ENGINEER DATE

3-11-13
PLANS APPROVAL DATE

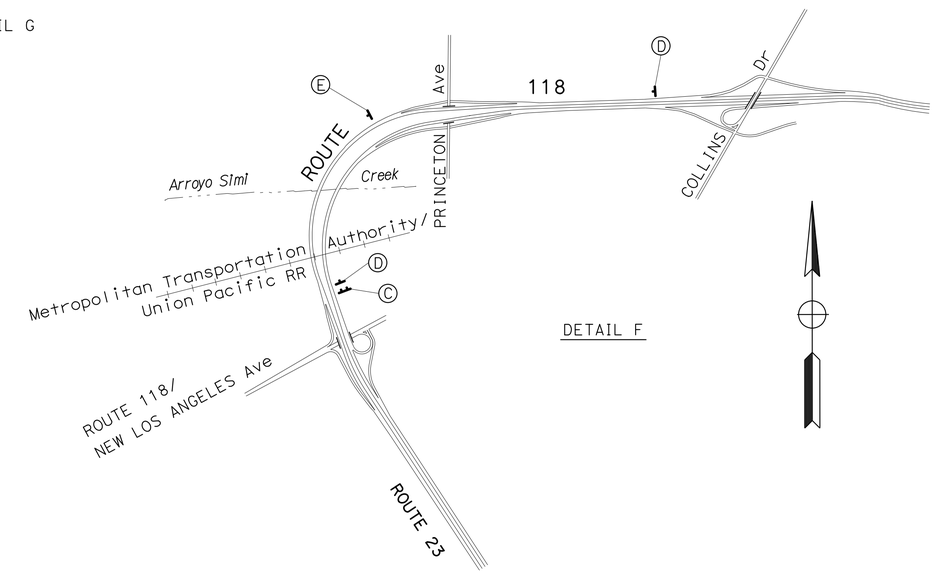
REGISTERED PROFESSIONAL ENGINEER
TRUNG PHAN
No. 77878
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

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.

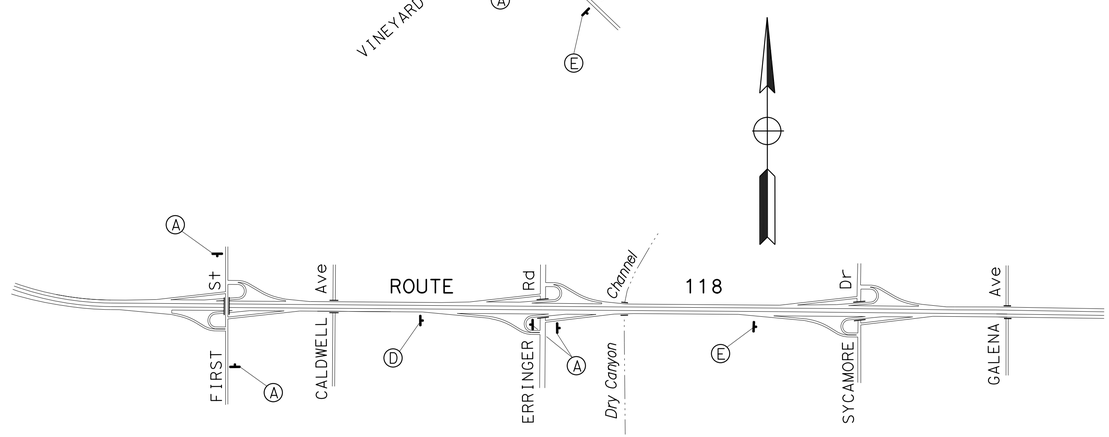




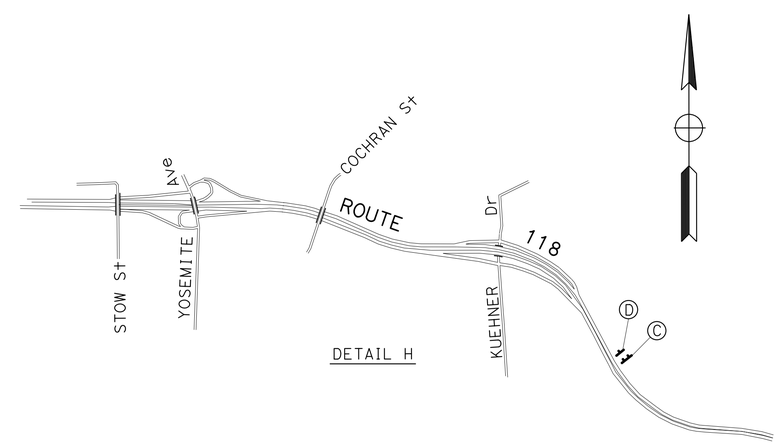
DETAIL E



DETAIL F



DETAIL G



DETAIL H

CONSTRUCTION AREA SIGNS

NO SCALE

CS-2

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: PAUL CRISPI
CALCULATED-DESIGNED BY: TRUNG PHAN
CHECKED BY: PAUL CRISPI
REVISED BY
DATE REVISED

LAST REVISION
DATE PLOTTED => 13-MAR-2013

BORDER LAST REVISED 7/1/2010 | USERNAME => s112049 | RELATIVE BORDER SCALE 0 1 2 3 | UNIT 1965 | PROJECT NUMBER & PHASE 07000212271

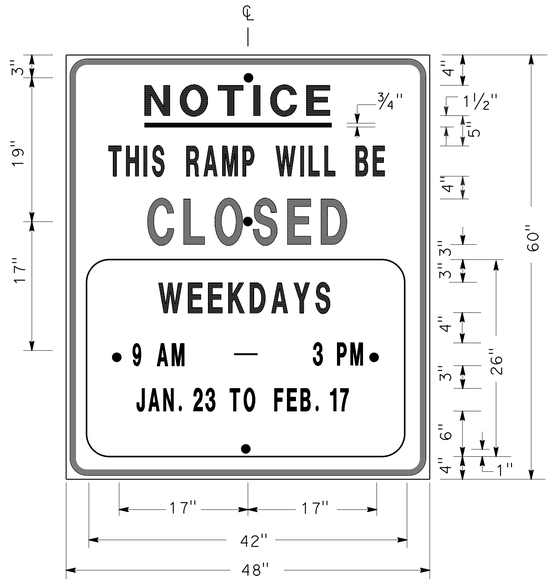
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	5	34

REGISTERED CIVIL ENGINEER 8-27-12 DATE

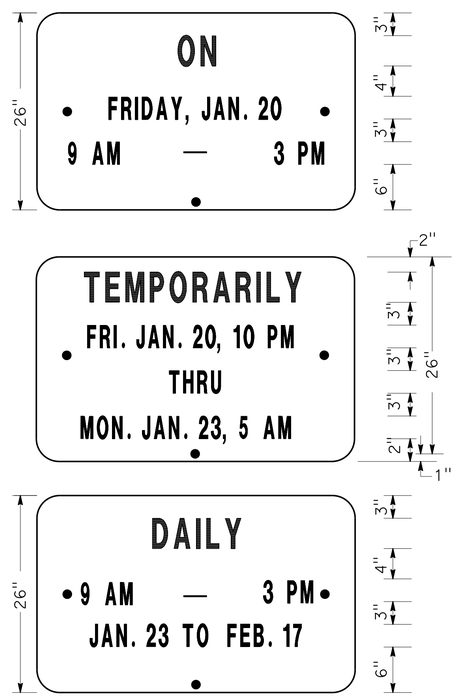
3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ALBERT K. YU No. C43220 Exp. 3-31-14 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.



SIGN SP-1



ALTERNATE OVERLAY PANELS (TYPICAL)

SPECIAL ADVANCE NOTICE PUBLICITY SIGN

NOTES: (SIGN SP-1)

1. LETTERS AND BORDER SHALL BE BLACK ON REFLECTORIZED ORANGE BACKGROUND.
2. BOLT HOLES SHALL BE 3/8" DIAMETER.
3. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
4. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 7' ABOVE GROUND.

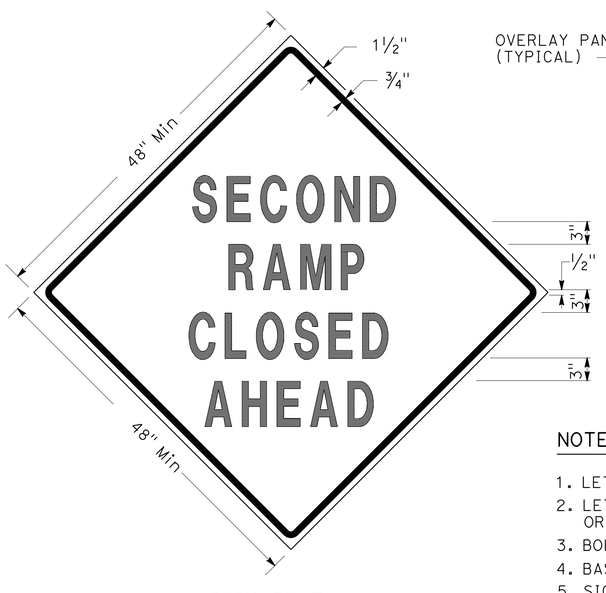
SIZE	BORDER WIDTH	MARGIN WIDTH	LETTER SIZE					CORNER RADIUS
			LINE 1	LINE 2*	LINE 3	LINE 4	LINE 5, 6, & 7*	
48"x60"	1 1/4"	3/4"	4E	4D	6E	4D		3"
42"x26"	OVERLAY						3D	1 1/2"
* CONDENSED SPACING IF NECESSARY								

SIGN SP-4

NOTES: (SIGN SP-4)

1. LETTERS - 6" SERIES C.
2. LETTERS AND BORDER SHALL BE BLACK ON REFLECTORIZED WHITE BACKGROUND.
3. BOLT HOLES SHALL BE 3/8" DIAMETER.
4. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
5. SIGNS SHALL BE PLACED AT RAMP ENTRANCES IN ADDITION TO SIGNS POSTED IN ACCORDANCE WITH SHEET TCS-6.

SPECIAL SIGN FOR ENTRANCE RAMP CLOSURES



SIGN SP-3

SIGN SP-5

NOTES: (SIGNS SP-3 & SP-5)

1. LETTERS - 6" SERIES D.
2. LETTERS AND BORDER SHALL BE BLACK ON REFLECTORIZED ORANGE BACKGROUND.
3. BOLT HOLES SHALL BE 3/8" DIAMETER.
4. BASE MATERIAL SHALL BE ALUMINUM (MINIMUM 0.06").
5. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 7' ABOVE GROUND.
6. SIGN SP-5 SHALL BE USED IF THE OFF-RAMP TO BE CLOSED FOLLOWS A FREEWAY OFF-CONNECTOR.

SPECIAL SIGNS FOR EXIT RAMP CLOSURES

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS, AND MISCELLANEOUS DETAILS
SHEET 1 OF 2

NO SCALE

THD-1

REVISED BY	DATE REVISED	CALCULATED-DESIGNED BY	CHECKED BY	FUNCTIONAL SUPERVISOR
JC	3/12	ALBERT K YU	JOCELYN C CHIANG	JOHN YANG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DTM

LAST REVISION | DATE PLOTTED => 13-MAR-2013

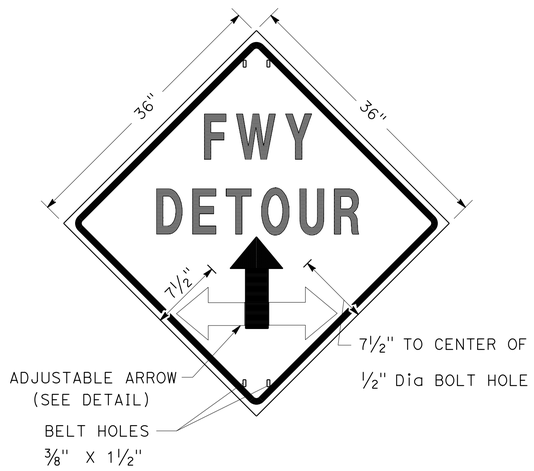
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	6	34

REGISTERED CIVIL ENGINEER 8-27-12 DATE

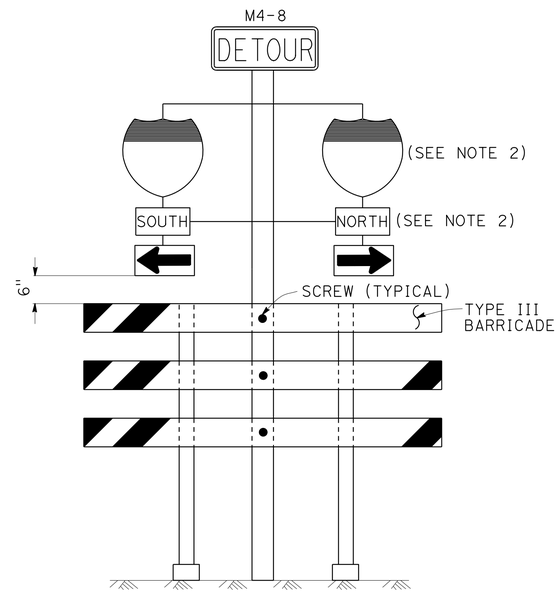
3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ALBERT K. YU No. C43220 Exp. 3-31-14 CIVIL STATE OF CALIFORNIA

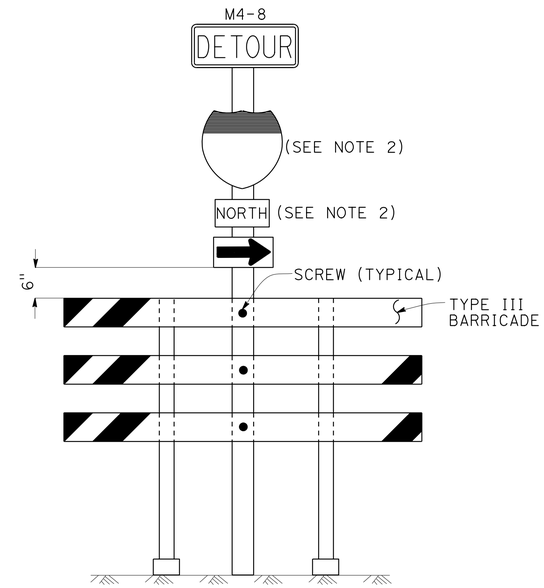
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SIGN SP-2



SIGN SP-6 (SEE NOTE 1)



SIGN SP-7 (SEE NOTE 1)

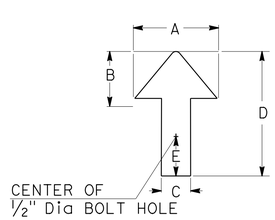
NOTES: SIGN SP-2

1. LETTERS - 6" SERIES E.
2. LETTERS, BORDER AND ARROW - BLACK ON RETROREFLECTORIZED ORANGE BACKGROUND.
3. BASE MATERIAL FOR SIGNS AND ARROWS SHALL BE ALUMINUM (MINIMUM 0.06").
4. BELTS (LUGGAGE STRAPS) SHALL BE 1" WIDE BY 48" LONG, MADE OF COTTON OR POLYPROPYLENE WEB MATERIAL.
5. SIGNS SHALL BE MOUNTED WITH BOTTOMS OF SIGNS A MINIMUM OF 7' ABOVE GROUND EXCEPT AS OTHERWISE SHOWN ON OTHER TRAFFIC HANDLING DETAILS PLANS.

NOTES: (SIGNS SP-6 & SP-7)

1. IN LIEU OF PLACING SIGNS ON TYPE III BARRICADES, SIGNS, INCLUDING POSTS, MAY BE PLACED INTO THE GROUND OR FASTENED ONTO ELECTROLIERS.
2. USE APPROPRIATE ROUTE MARKER [G26-2(CA), G27-2(CA), G28-2(CA)] AND CARDINAL DIRECTION [NORTH (M3-1), SOUTH (M3-3), EAST (M3-2), WEST (M3-4)].

SPECIAL PORTABLE FREEWAY DETOUR SIGNS



DIMENSIONS				
A	B	C	D	E
6"	3"	2"	8"	1"

ADJUSTABLE ARROW DETAIL

ABBREVIATION

(CA) CALIFORNIA CODE

TRAFFIC HANDLING DETAILS

TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS, AND MISCELLANEOUS DETAILS

SHEET 2 OF 2

NO SCALE

THD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DTM

FUNCTIONAL SUPERVISOR: JOHN YANG
CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG
REVISED BY: JC
DATE REVISED: 3/12

LAST REVISION DATE PLOTTED => 13-MAR-2013

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	7	34

REGISTERED CIVIL ENGINEER 8-27-12 DATE

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ALBERT K. YU No. C43220 Exp. 3-31-14 CIVIL STATE OF CALIFORNIA

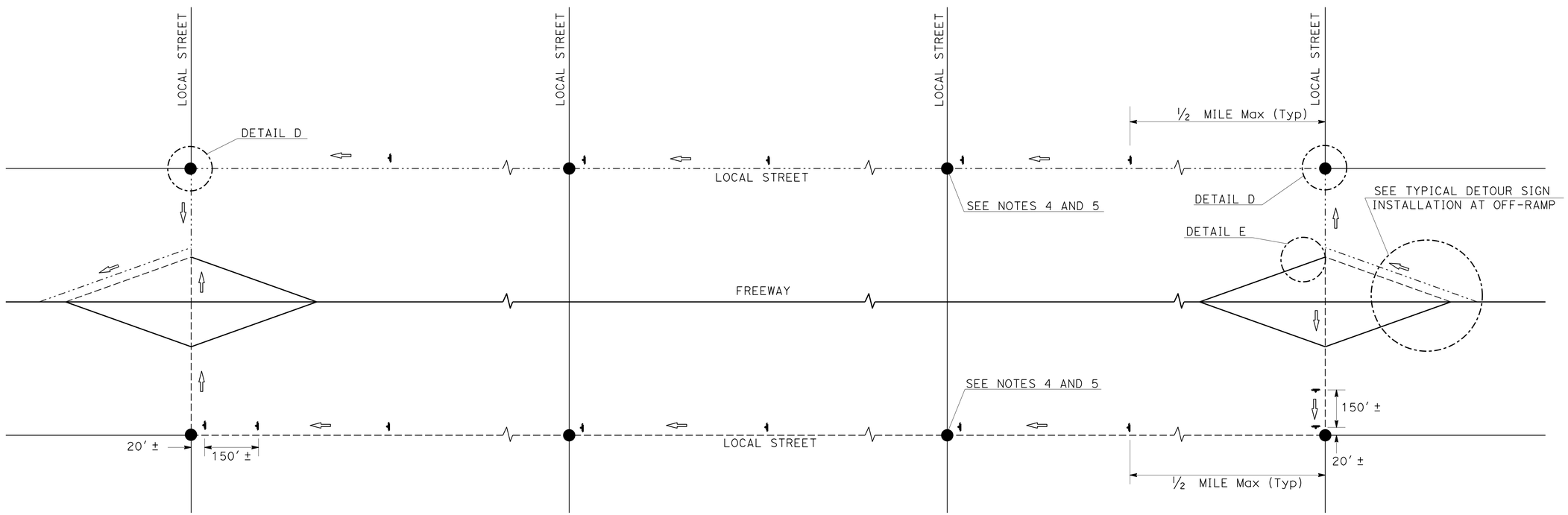
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND

- SIGN SP-2
- AND/OR — DESIGNATED DETOUR ROUTE
- DETOUR DIRECTION
- CONTROLLED INTERSECTION

NOTES:

1. SP-2 SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
2. SP-2 SIGNS SHALL NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
3. SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
4. SP-2 SIGNS SHALL BE POSTED AT EACH CONTROLLED INTERSECTION (EXCEPT AT COMMERCIAL PROPERTY, RESIDENTIAL COMPLEX OR T-INTERSECTION FROM ONE-WAY STREET) ALONG THE DESIGNATED DETOUR ROUTE.
5. UNLESS OTHERWISE SHOWN ON OTHER THD PLANS, WHEN CONTROLLED INTERSECTIONS ALONG THE DESIGNATED DETOUR ROUTE ARE CLOSELY SPACED, PLACE SP-2 SIGNS AT CONTROLLED INTERSECTIONS AT A DISTANCE NOT TO EXCEED 1/4 MILE FROM THE PRECEDING DETOUR SIGN.
6. EXCEPT AS OTHERWISE SHOWN ON OTHER PLANS OR SPECIFIED IN THE SPECIAL PROVISIONS, SP-2 SIGNS SHALL BE PLACED AS SHOWN ON THIS PLAN.



TYPICAL DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE

TRAFFIC HANDLING DETAILS

TRAFFIC CONTROL SYSTEM FOR DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE SHEET 1 OF 3

NO SCALE

THD-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DTM

FUNCTIONAL SUPERVISOR: JOHN YANG
CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG
REVISED BY: JC
DATE REVISED: 3/12

LAST REVISION | DATE PLOTTED => 13-MAR-2013

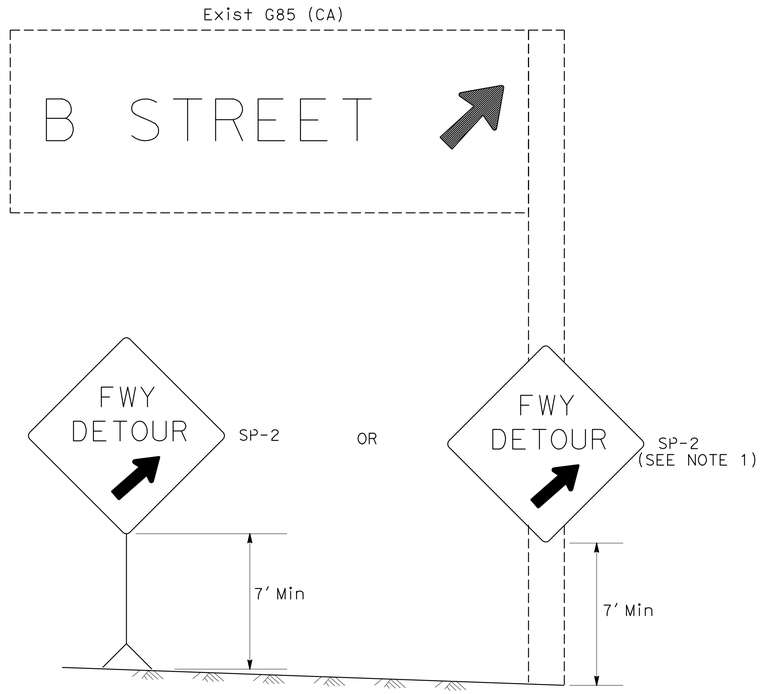
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	8	34

REGISTERED CIVIL ENGINEER 8-27-12 DATE

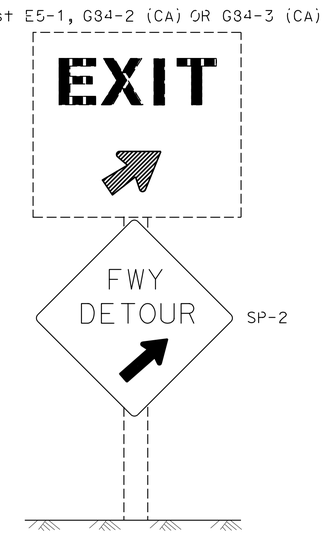
3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ALBERT K. YU No. C43220 Exp. 3-31-14 CIVIL STATE OF CALIFORNIA

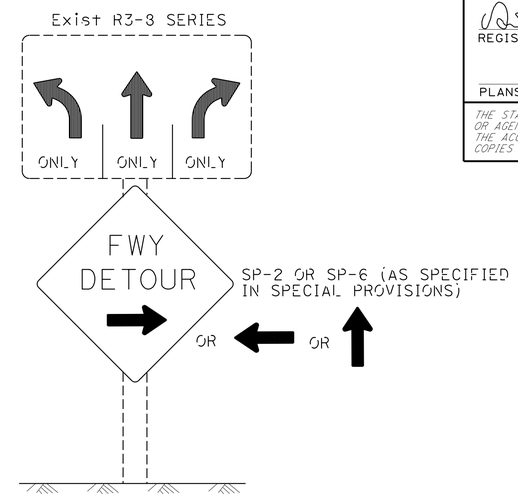
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



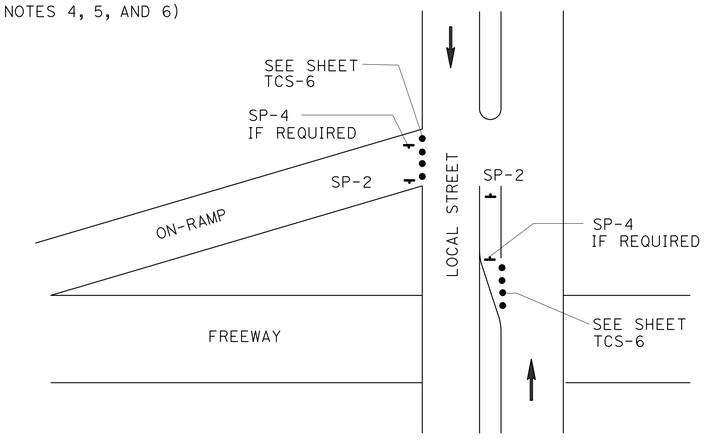
DETAIL A (SEE NOTE 3)



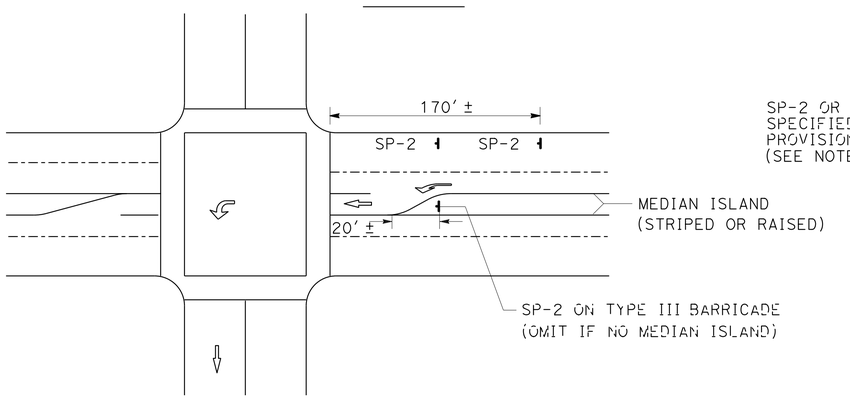
DETAIL B (SEE NOTE 3)



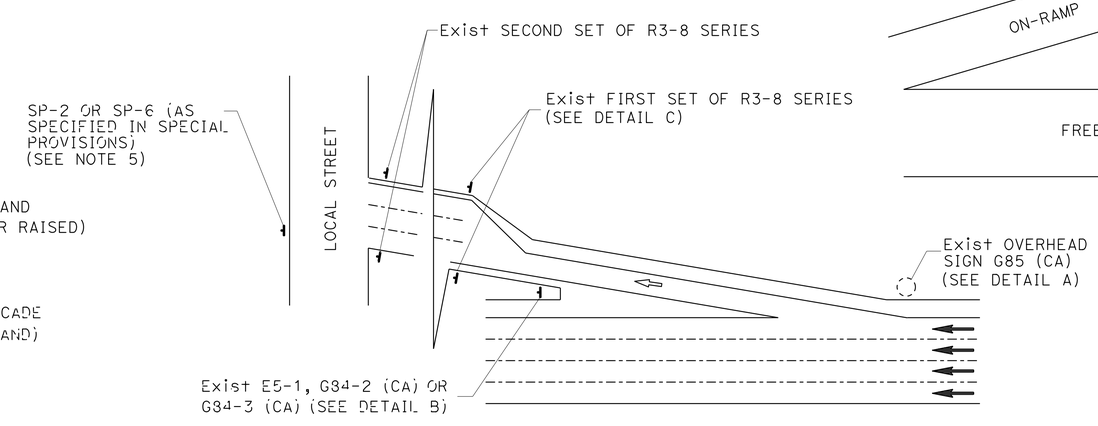
DETAIL C (SEE NOTES 4, 5, AND 6)



DETAIL E



DETAIL D



TYPICAL DETOUR SIGN INSTALLATION AT OFF-RAMP

LEGEND

- CONE
- PORTABLE SIGN
- DIRECTION OF TRAVEL
- DETOUR DIRECTION
- EXISTING OVERHEAD SIGN

NOTES: SIGN SP-2

1. SP-2 SIGNS MAY BE STRAPPED ON EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
2. SP-2 SIGNS SHALL NOT BE INSTALLED ON BARRICADES EXCEPT AS OTHERWISE SHOWN.
3. OMIT DETAILS A AND B FOR FULL FREEWAY CLOSURES.
4. SEE TRAFFIC HANDLING DETAILS-TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS, AND MISCELLANEOUS DETAILS PLAN SHEET 2 OF 2 FOR SP-6 SIGN DETAILS.
5. IF R3-8 SERIES SIGNS ARE NOT PRESENT AT THE OFF-RAMP, SP-2 OR SP-6 SIGNS SHALL BE FASTENED ONTO EXISTING ELECTROLIER, SIGNAL POST OR SIGN POST.
6. EXCEPT FOR DETAILS A & B, OMIT SP-2 SIGNS IF RAMP HAS MANDATORY SINGLE MOVE.

SIGN CODE LEGEND

XXYY-Y: FEDERAL SIGN CODE PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

XXYY-Y (CA): CALIFORNIA SIGN CODE PER CALIFORNIA MUTCD

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE
SHEET 2 OF 3

NO SCALE **THD-4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DTM

FUNCTIONAL SUPERVISOR: JOHN YANG
CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG
REVISED BY: JC
DATE REVISED: 3/12

LAST REVISION DATE PLOTTED => 13-MAR-2013

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	9	34

REGISTERED CIVIL ENGINEER 8-27-12 DATE

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ALBERT K. YU No. C43220 Exp. 3-31-14 CIVIL STATE OF CALIFORNIA

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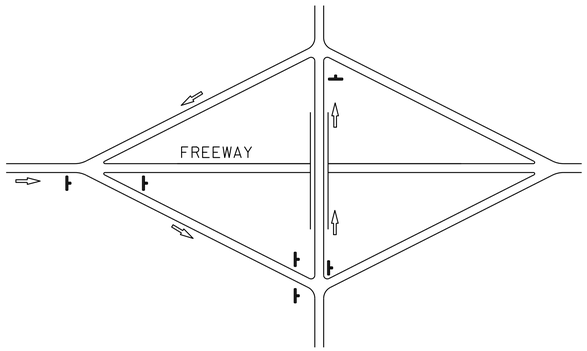
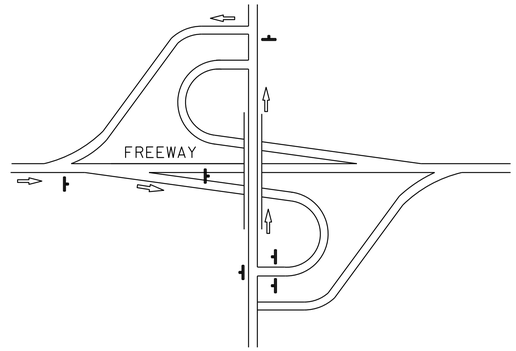
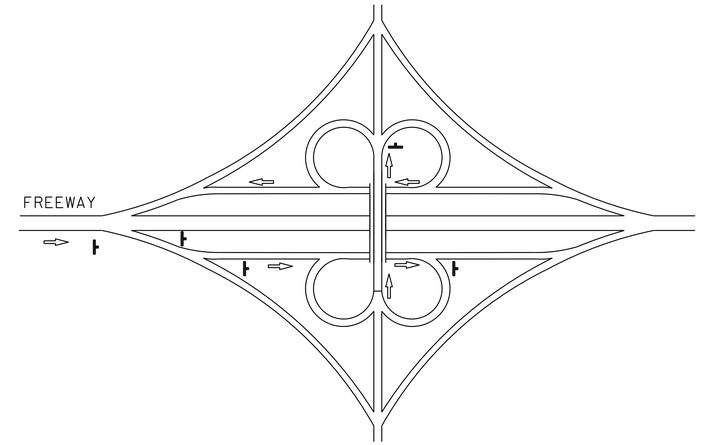


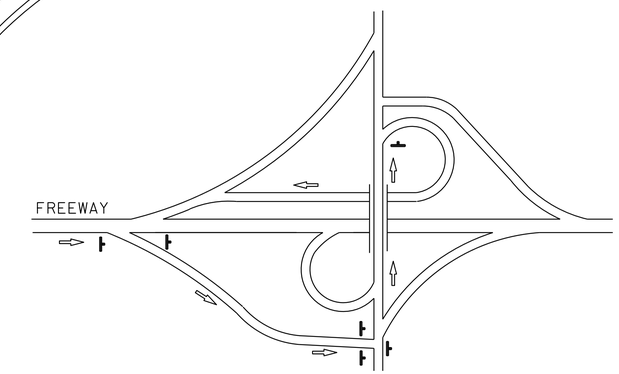
TYPE I



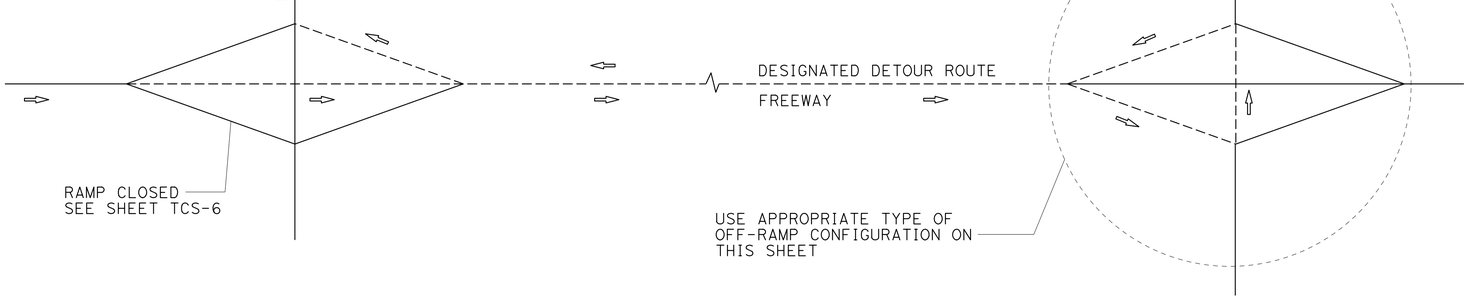
TYPE II

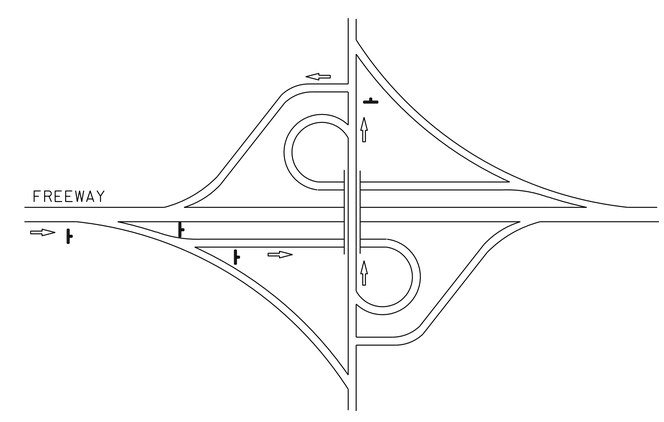


TYPE III



TYPE IV





TYPE V

TYPE OF OFF-RAMP CONFIGURATION	MINIMUM No. OF SP-2
TYPE I	6
TYPE II	6
TYPE III	5
TYPE IV	6
TYPE V	4

TYPICAL DETOUR SIGN INSTALLATION FOR OFF-RAMP CLOSURE

NOTES:

1. FOR RAMP CONFIGURATIONS NOT SHOWN, THE EXACT LOCATIONS AND MINIMUM NUMBER OF SP-2 SIGNS SHALL BE DETERMINED BY THE ENGINEER.
2. SEE TRAFFIC HANDLING DETAILS-TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURES, DETOUR SIGNS, AND MISCELLANEOUS DETAILS PLAN SHEET 2 OF 2 FOR SP-2 SIGN DETAILS.

LEGEND

- SIGN SP-2
- DETOUR DIRECTION
- ----- DESIGNATED DETOUR ROUTE

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM FOR DETOUR SIGN INSTALLATION ALONG DESIGNATED DETOUR ROUTE
SHEET 3 OF 3

NO SCALE

THD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DTM

FUNCTIONAL SUPERVISOR: JOHN YANG
CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG
REVISED BY: JC
DATE REVISED: 3/12

LAST REVISION
DATE PLOTTED => 13-MAR-2013

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	10	34

REGISTERED CIVIL ENGINEER 8-27-12 DATE

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ALBERT K. YU No. C43220 Exp. 3-31-14 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.

NOTES:

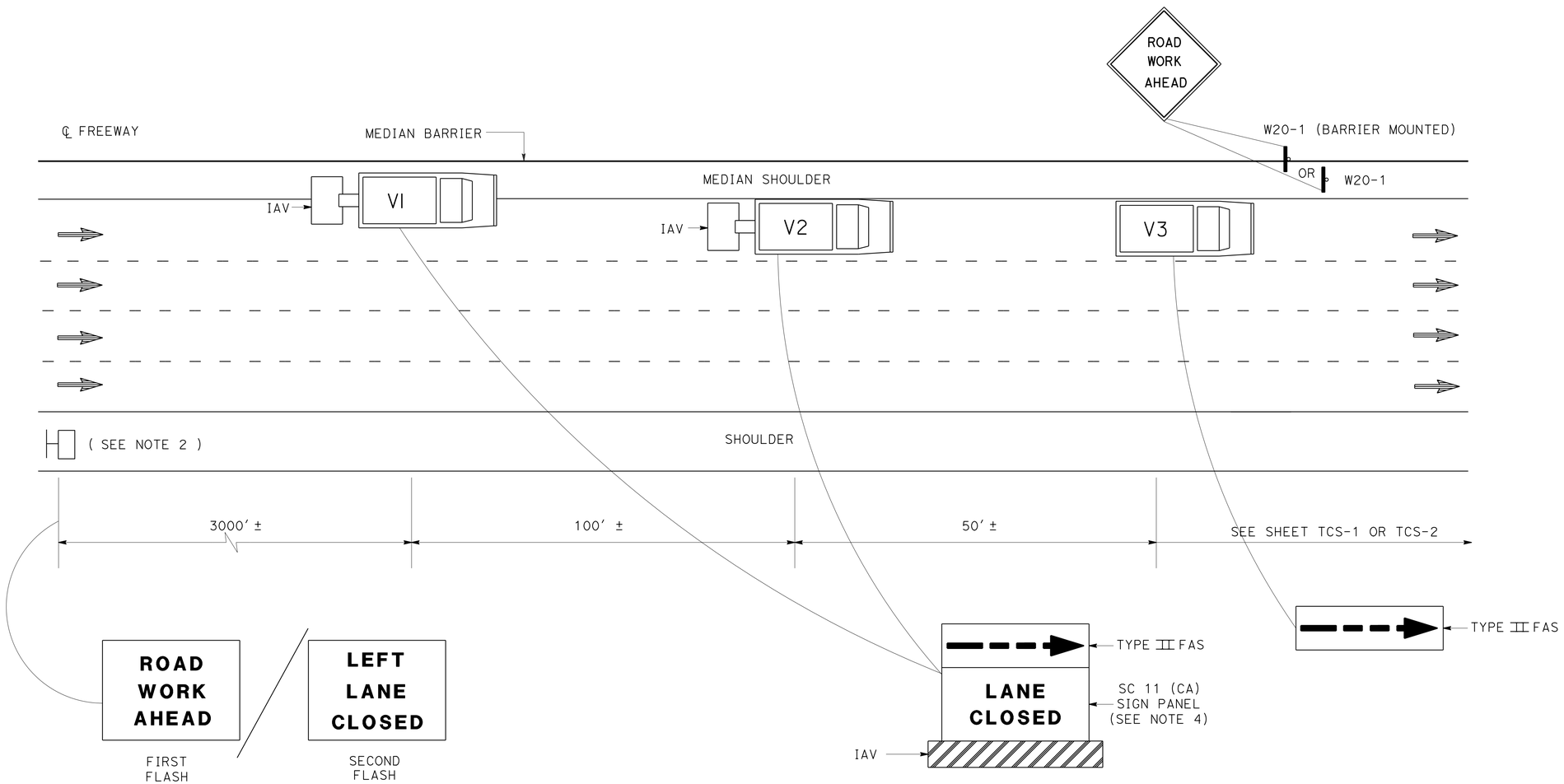
1. LANE CLOSURES SHALL NOT BE PLACED ON CREST VERTICAL CURVES OR ON HORIZONTAL CURVES.
2. PCMS SHALL BE ACTIVATED PRIOR TO TRAFFIC CONTROL ACTIVITIES ON THE LANE.
3. A MINIMUM SIGHT DISTANCE OF 1500′ SHALL BE PROVIDED IN ADVANCE OF PCMS.
4. VEHICLE-MOUNTED SIGN PANELS SHALL BE TYPE III OR IV RETROREFLECTORIZED SHEETING, BLACK ON WHITE OR BLACK ON ORANGE WITH 8" MINIMUM SERIES D LETTERS PER CALTRANS SIGN SPECIFICATIONS.

LEGEND

V1, V2	SHADOW VEHICLES
V3	WORK/APPLICATION VEHICLE
	PCMS
	DIRECTION OF TRAVEL
	CONSTRUCTION AREA SIGN

ABBREVIATIONS

FAS	FLASHING ARROW SIGN
IAV	IMPACT ATTENUATOR VEHICLE
CMS	CHANGEABLE MESSAGE SIGN
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
(CA)	CALIFORNIA CODE



PCMS OR TRUCK MOUNTED CMS MESSAGE

TRAFFIC HANDLING DETAILS
TRAFFIC CONTROL SYSTEM
FOR MEDIAN SHOULDERS LESS THAN 8 FEET

NO SCALE

THD-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DTM

FUNCTIONAL SUPERVISOR: JOHN YANG
CALCULATED-DESIGNED BY: ALBERT K YU
CHECKED BY: JOCELYN C CHIANG
REVISED BY: JC
DATE REVISED: 3/12

LAST REVISION
DATE PLOTTED => 13-MAR-2013

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	11	34

REGISTERED CIVIL ENGINEER Trung Phan DATE 12-6-12

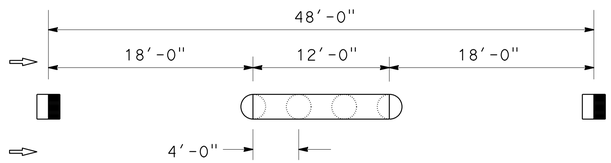
PLANS APPROVAL DATE 3-11-13

REGISTERED PROFESSIONAL ENGINEER TRUNG PHAN No. 77878 Exp. 6-30-13 CIVIL STATE OF CALIFORNIA

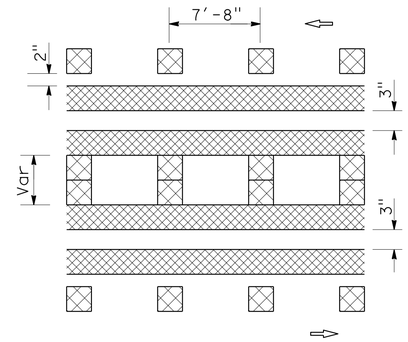
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

1. TRAFFIC STRIPE SHALL BE APPLIED ON TOP OF TYPE A PAVEMENT MARKERS.



DETAIL 13 (MODIFIED)
NO SCALE



DETAIL 29 (MODIFIED)
NO SCALE

LEGEND:

- TYPE A PAVEMENT MARKER (SEE NOTE 1)
- TYPE D PAVEMENT MARKER
- TYPE G PAVEMENT MARKER
- 4" WHITE THERMOPLASTIC TRAFFIC STRIPE (SEE NOTE 1)
- 4" YELLOW THERMOPLASTIC TRAFFIC STRIPE

PAVEMENT DELINEATION QUANTITIES

				THERMOPLASTIC TRAFFIC STRIPE (LF) DETAIL											PAVEMENT MARKER (EA)				THERMOPLASTIC PAVEMENT MARKING (SQFT) WORDS, SYMBOLS, AND ARROWS						PAINT TRAFFIC STRIPE (2-COAT) (LF) DETAIL		REMOVE (LF)	REMOVE (LF)	REMOVE (SQFT)	REMOVE (EA)	REMOVE (LF)	REMOVE (LF)
				27B	29	29 (Mod)	22	25	25A	13 (Mod)	9	39	39A	38											27B	21						
LOCATION No.	ROUTE	BRIDGE No.	BRIDGE NAME	4" WHITE	4" YELLOW	4" YELLOW	4" YELLOW	4" YELLOW	4" YELLOW	4" WHITE (BROKEN 36 - 12)	4" WHITE (BROKEN 17 - 7)	6" WHITE	6" WHITE (BROKEN 8 - 4)	8" WHITE	TYPE A (NON - REFLECTIVE)	TYPE D (RETROREFLECTIVE)	TYPE G (RETROREFLECTIVE)	TYPE H (RETROREFLECTIVE)	DIAGONAL STRIPE/ LIMIT LINE	BIKE LANE SYMBOL	AHEAD	BIKE LANE ARROW	TYPE IV (L/R)	TYPE I	4" WHITE	4" YELLOW	THERMOPLASTIC TRAFFIC STRIPE	YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	THERMOPLASTIC PAVEMENT MARKING	PAVEMENT MARKER	PAINTED TRAFFIC STRIPE	YELLOW PAINTED TRAFFIC STRIPE (HAZARDOUS WASTE)
1	33	52-0233F	S33-S101 CONNECTOR UC	615					615	615					52		13	27									769	615		92		
2	33	52-0186L	PIPELINE 1 UC	117				113		113					10		3	3									146	113		16		
3	33	52-0186R	PIPELINE 1 UC	113				113		113					10		3	3									142	113		16		
4	33	52-0294L	NORTH VENTURA UC	259				259		259					22		6	6									324	259		34		
5	33	52-0295R	VENTURA Ave UC	387				417		287					24		6	9									459	417		39		
6	33	52-0295L	VENTURA Ave UC	190				220		60					5		2	5									205	220		12		
7	33	52-0173	NORTH FORK MATILIJA CREEK	106			106									5											106	106		5		
8	33	52-0066	NORTH FORK MATILIJA CREEK	314			314									14											314	314		14		
9	33	52-0074	BEAR CREEK	146			146									7											146	146		7		
10	33	52-0452	CUYAMA RIVER																						692	692					692	692
11	101	52-0434	SEAWARD Ave OC	220	422		232				449	90	138	748		19	43			7		7	150	42			1,235	654	206	62		
12	101	52-0245L	WEST MAIN St UC	299				299		598					50		13	7									449	299		70		
13	101	52-0245R	WEST MAIN St UC	299				299		598					50		13	7									449	299		70		
14	101	52-0221R	SAN MIGUELITO Rd UC																													
15	101	52-0367R	HOBSON ACCESS Rd UC	128				98		226					19		5	3									185	98		27		
16	118	52-0049	SANTA CLARA RIVER	3,596	7,192						3,596					150	77										4,645	7,192		227		
17	118	52-0334L	PRINCETON Ave UC	148					148	148					13		4	8									185	148		25		
18	118	52-0334R	PRINCETON Ave UC	175					175	175					15		4	9									219	175		28		
19	118	52-0329	FIRST St OC	259	724	308					777			80		56	22				93		15				566	1,032	108	78		
20	118	52-0320R	DRY CANYON CHANNEL	95				95		190					16		4	2	11								143	95	11	22		
21	118	52-0282L	KUEHNER Dr UC	223						669					56		14										391			70		
			SUBTOTAL	7,689	8,338	308	798	1,913	938	4,051	4,822	90	138	828	342	251	232	89	11	7	93	7	165	42	692	692	11,078	12,295	325	914	692	692
			TOTAL	19,984						4,051	4,822	90	138	828	342	572			325						1,384		11,078	12,295	325	914	692	692

PAVEMENT DELINEATION QUANTITIES

PDQ-1

TRUNG PHAN — REVISED BY — DATE REVISED
PAUL CRISPI — CALCULATED-DESIGNED BY — CHECKED BY
PAUL CRISPI — FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

LAST REVISION — DATE PLOTTED => 13-MAR-2013

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	12	34

REGISTERED CIVIL ENGINEER DATE 8-21-12

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER ANH D. NGUYEN No. 62370 Exp. 9-30-13 CIVIL STATE OF CALIFORNIA

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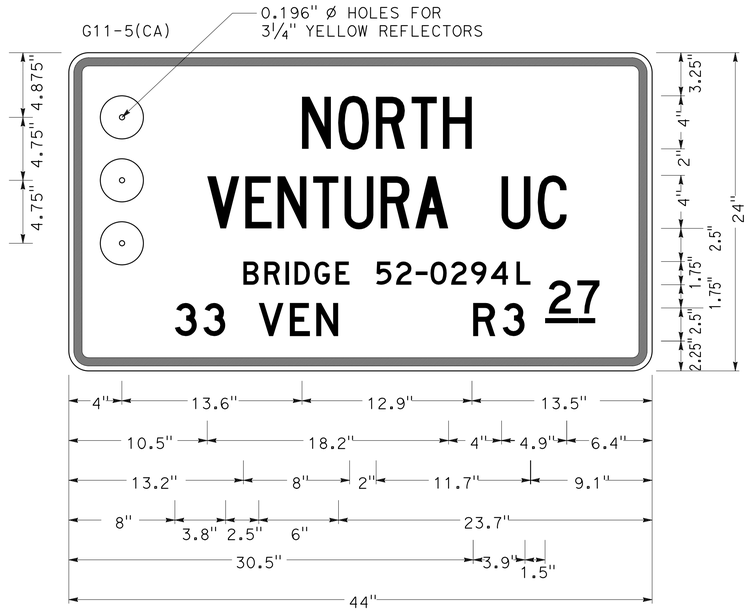
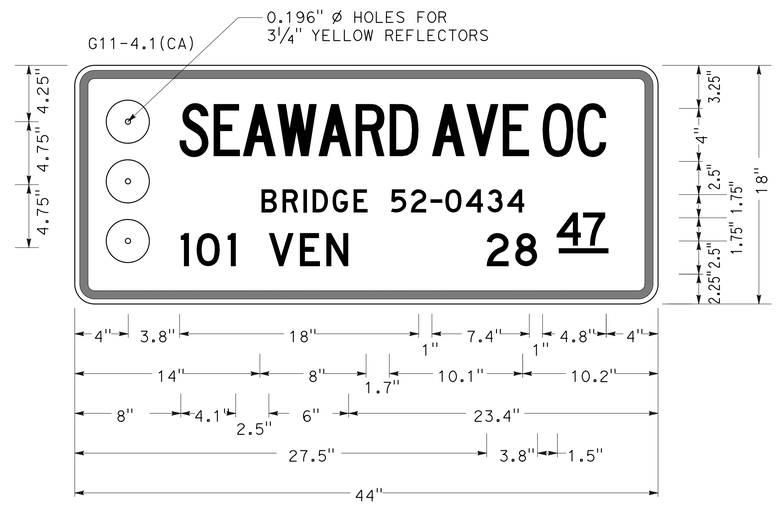


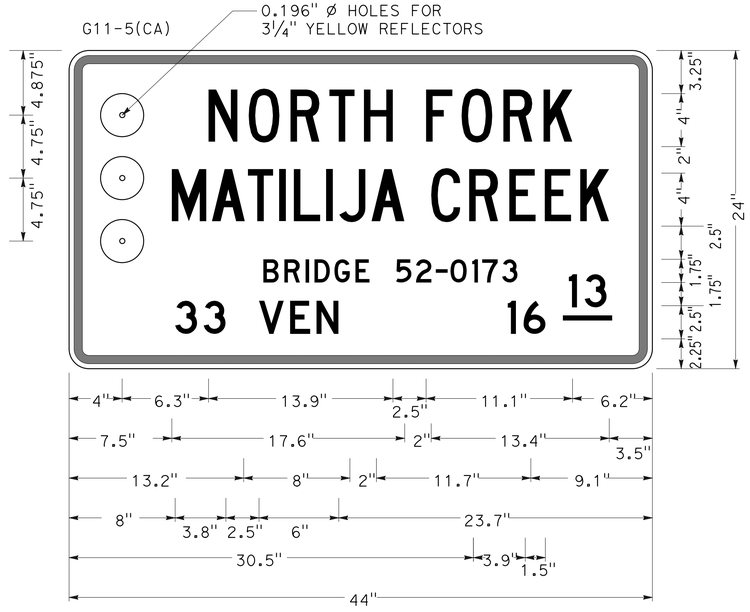
SIGN No. 101

⅝" BORDER, ⅜" MARGIN WITH 1½" RADIUS
BLACK LEGEND & BORDER WITH WHITE BACKGROUND
LINE 1 AND LINE 2 : 4C AT 64% SPACING
LINE 3: 1.75D AT 32% SPACING
LINE 4: 2.5D AT 45% SPACING



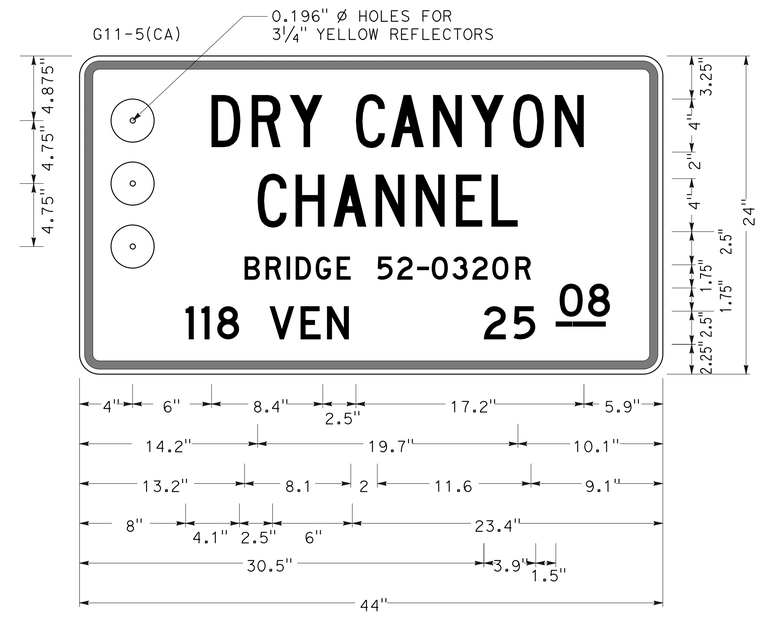
SIGN No. 103

⅝" BORDER, ⅜" MARGIN WITH 1½" RADIUS
BLACK LEGEND & BORDER WITH WHITE BACKGROUND
LINE 1: 4D AT 72% SPACING
LINE 2: 1¾D AT 32% SPACING
LINE 3: 2½D AT 45% SPACING



SIGN No. 102

⅝" BORDER, ⅜" MARGIN WITH 1½" RADIUS
BLACK LEGEND & BORDER WITH WHITE BACKGROUND
LINE 1 AND LINE 2 : 4C AT 64% SPACING
LINE 3: 1.75D AT 32% SPACING
LINE 4: 2.5D AT 45% SPACING



SIGN No. 104

⅝" BORDER, ⅜" MARGIN WITH 1½" RADIUS
BLACK LEGEND & BORDER WITH WHITE BACKGROUND
LINE 1 AND LINE 2 : 4C AT 64% SPACING
LINE 3: 1.75D AT 32% SPACING
LINE 4: 2.5D AT 45% SPACING

SIGN DETAILS

NO SCALE

SD-1

APPROVED FOR SIGN WORK ONLY

REVISED BY	DATE REVISED
RICHARD KHAW	ANH D. NGUYEN

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

S:\projects\1w2701\71w270cb001.dgn

LAST REVISION | DATE PLOTTED => 13-MAR-2013

BORDER LAST REVISED 7/2/2010 | USERNAME => s112049 | RELATIVE BORDER SCALE 0 1 2 3 | UNIT 2124 | PROJECT NUMBER & PHASE 07000212271

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	13	34

REGISTERED CIVIL ENGINEER DATE 8-21-12

PLANS APPROVAL DATE 3-11-13

REGISTERED PROFESSIONAL ENGINEER ANH D. NGUYEN No. 62370 Exp. 9-30-13 CIVIL STATE OF CALIFORNIA

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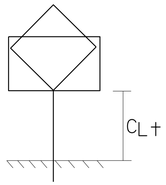


TYPICAL POST HEIGHT DETAIL

ROADSIDE SIGN QUANTITIES

SIGN No.	SIGN CODE	PANEL SIZE (L X D)	SINGLE FACED	POST DATA: CLEARANCE (C)		POST DATA: SIZE	POST DATA: TOTAL LENGTH		SIGN FACING MATERIAL: BACKGROUND		SIGN FACING MATERIAL: LEGEND		GRAFFITI FILM	FURNISH	INSTALL	REMARKS
				L+	R+		L+	R+	SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	PREMIUM	SINGLE SHEET ALUMINUM SIGN (0.063" - UNFRAMED)	ROADSIDE SIGN ONE POST	
		INCH x INCH		FT	FT	INCH x INCH	FT	FT						SQFT	EA	
101	G11-5(CA)	44 x 24	X	5		4 x 4	11		W	II	B		X	7.3	1	NORTH VENTURA UC
102	G11-5(CA)	44 x 24	X	5		4 x 4	11		W	II	B		X	14.6	2	NORTH FORK MATILIJA CREEK
103	G11-4.1(CA)	44 x 18	X	7		4 x 4	12		W	II	B		X	11.0	2	SEAWARD Ave OC
104	G11-5(CA)	44 x 24	X	5		4 x 4	11		W	II	B		X	7.3	1	DRY CANYON CHANNEL
													TOTAL	40.2	6	

LEGEND:

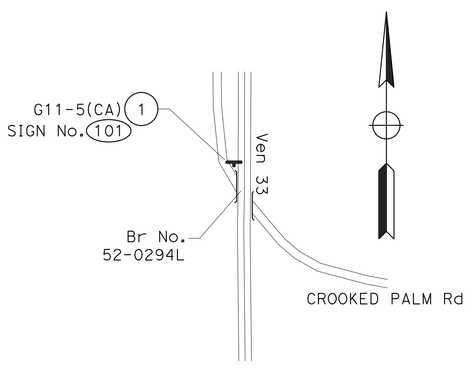
(1) ROADSIDE SIGN - ONE POST

B = BLACK ; Y = YELLOW ; R = RED ;
W = WHITE ; G = GREEN ; BL = BLUE ; P = PANTONE

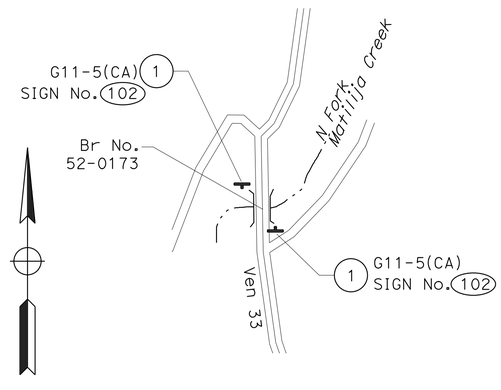
SIGN CODE LEGEND:

XXYY-Y: FEDERAL SIGN CODE PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

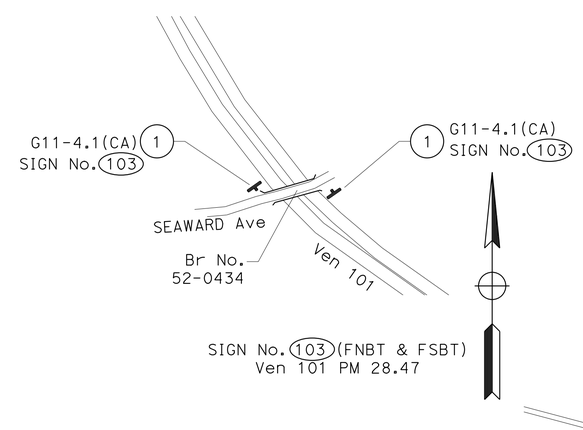
XYY-Y (CA): CALIFORNIA SIGN CODE PER CALIFORNIA MUTCD



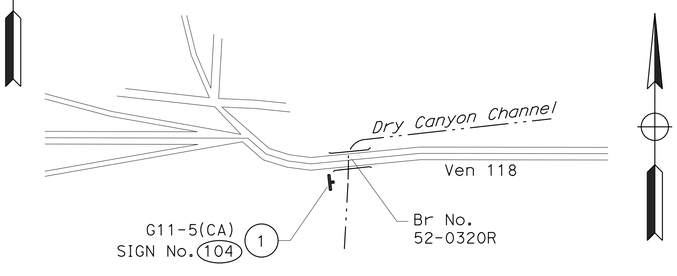
SIGN No. 101 (FSBT)
Ven 33 PM R3.27



SIGN No. 102 (FNBT & FSBT)
Ven 33 PM 16.13



SIGN No. 103 (FNBT & FSBT)
Ven 101 PM 28.47



SIGN No. 104 (FEBT)
Ven 118 PM R25.08

SIGN QUANTITIES

NO SCALE

SQ-1

REVISED BY | DATE REVISED
RICHARD KHAW | ANH D. NGUYEN
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: MOHAMMED CHOWDHURY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

S:\projects\1w2701\71w2700c001.dgn

LAST REVISION | DATE PLOTTED => 13-MAR-2013

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	14	34

REGISTERED CIVIL ENGINEER 12-7-12 DATE

3-11-13
PLANS APPROVAL DATE

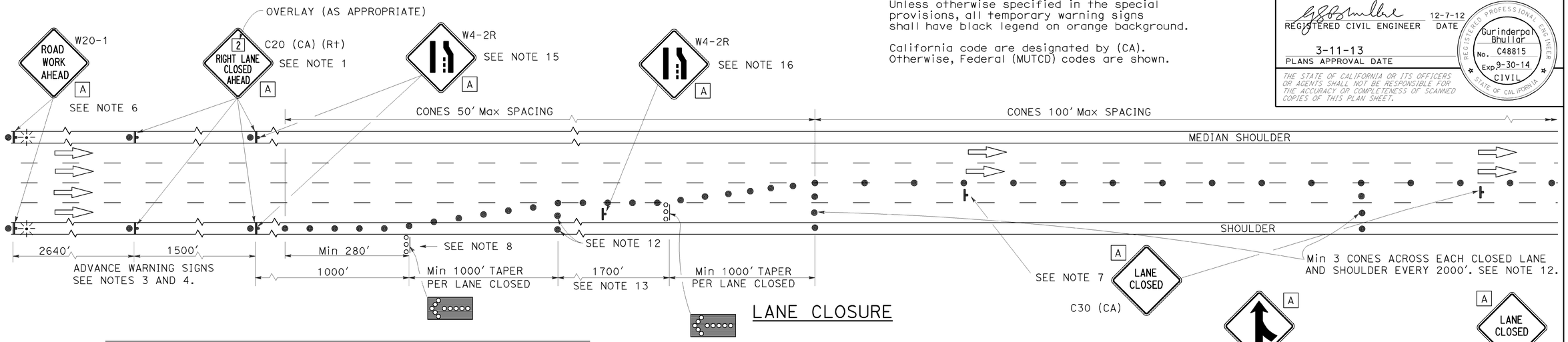
REGISTERED PROFESSIONAL ENGINEER Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

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.

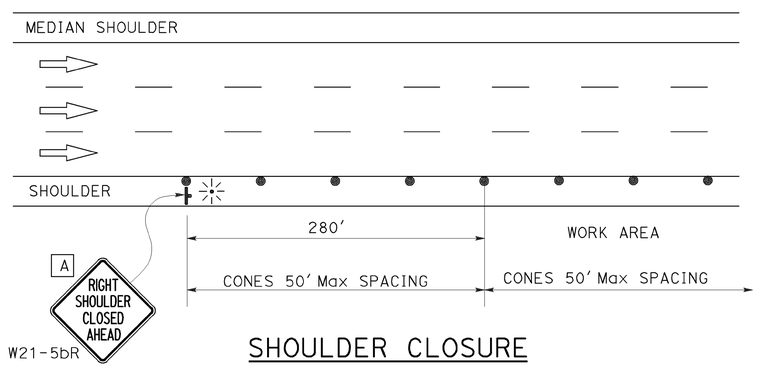
NOTES:

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

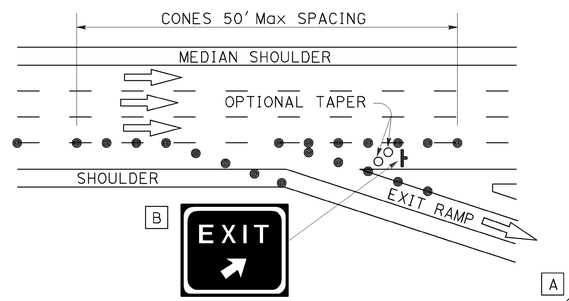
California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



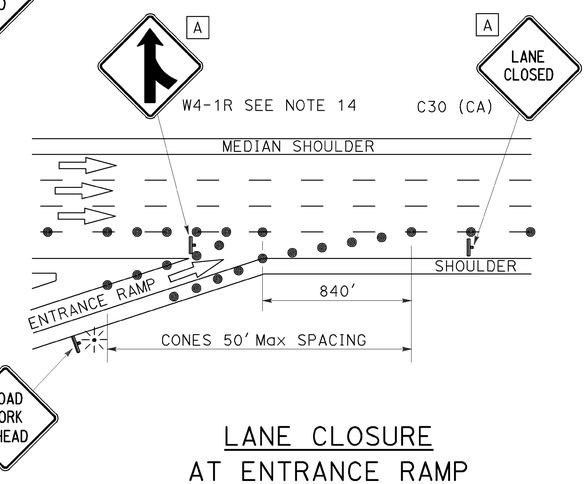
LANE CLOSURE



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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: PAUL CRISPI

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

LAST REVISION 01-25-13 | DATE PLOTTED => 10-DEC-2012 | TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	15	34

REGISTERED CIVIL ENGINEER 12-7-12 DATE

3-11-13
PLANS APPROVAL DATE

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

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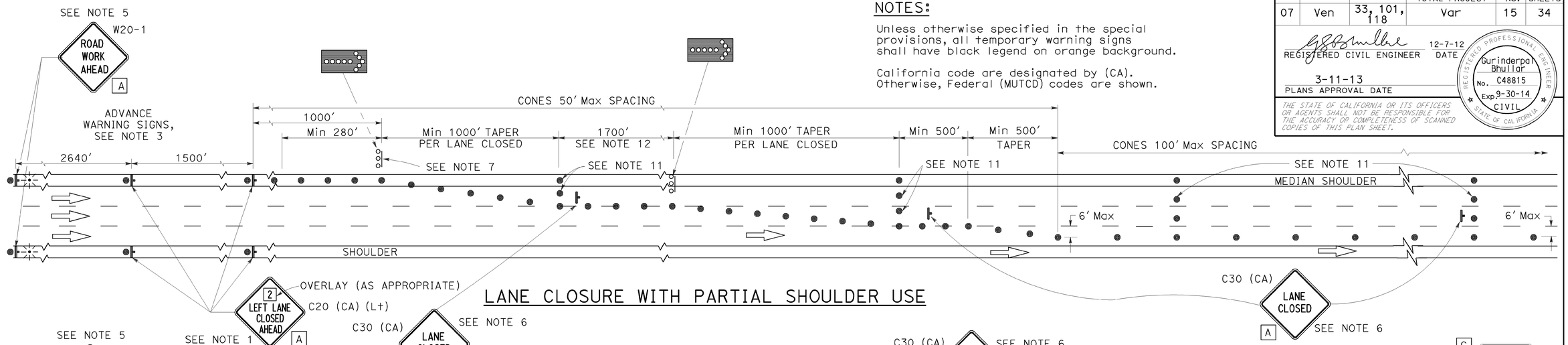
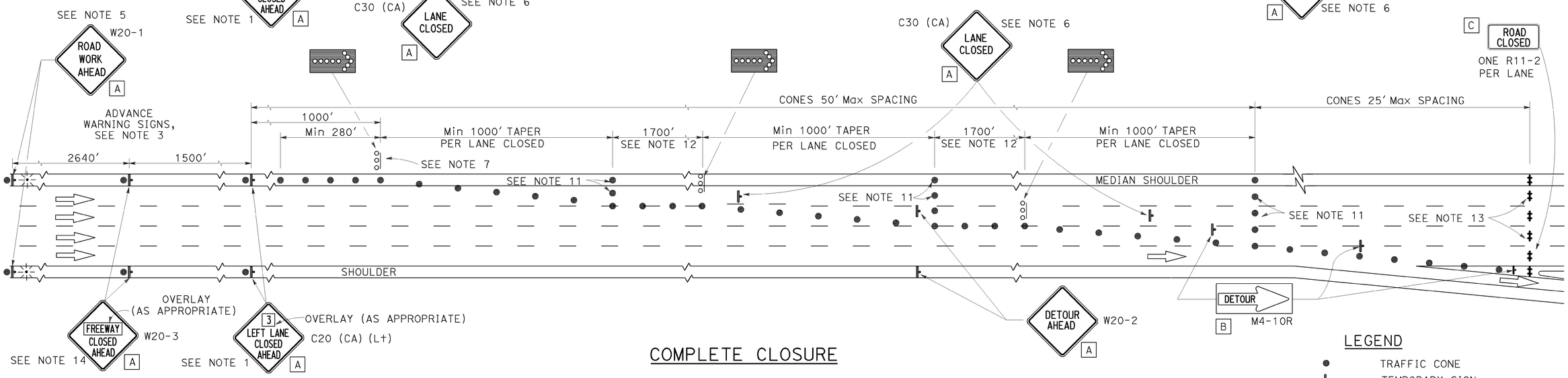
NOTES:

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 WITH PARTIAL SHOULDER USE



COMPLETE CLOSURE

NOTES:

1. Lane closures on the right side using partial median shoulder as a traffic lane shall conform to the details for inside lane closure except that C20 (CA) (Rt) 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. 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.
4. 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.
5. 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.
6. Place a C30 (CA) sign every 2000′ throughout length of lane closure.
7. 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.
8. 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 the top of crest vertical curve or on a horizontal curve.
9. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
10. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
11. 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 With Partial Shoulder Use" 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.
12. 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.
13. A minimum of Two Type II barricades shall be placed across each closed lane and shoulder at the location shown and every 2000′ within the complete closure area. Within the complete closure area, the transverse alignment of the barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
14. When specified in the special provisions, a W20-2 "DETOUR AHEAD" sign is to be used in place of the W20-3 "FREEWAY CLOSED AHEAD" sign.

SIGN PANEL SIZE (Min)

A	48" x 48"
B	48" x 18"
C	48" x 30"

LEGEND

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE AND COMPLETE CLOSURES ON FREEWAYS AND EXPRESSWAYS

NO SCALE

TCS-2

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

LAST REVISION 01-25-13 | DATE PLOTTED => 10-DEC-2012 | TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	16	34

REGISTERED CIVIL ENGINEER 12-7-12 DATE

3-11-13
PLANS APPROVAL DATE

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

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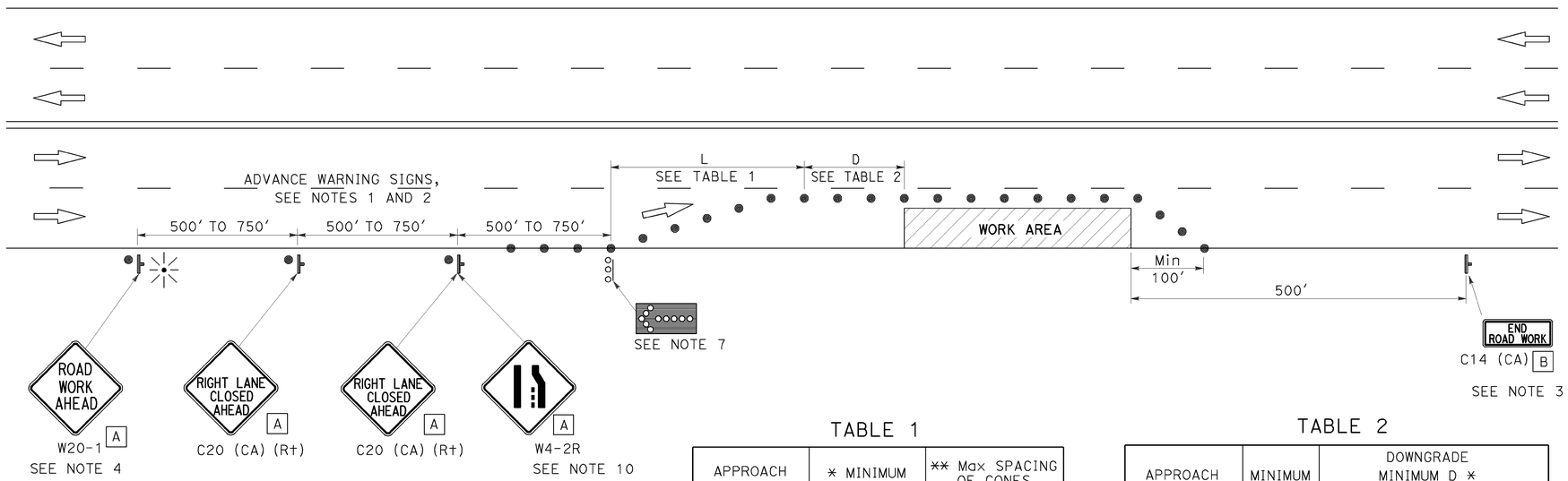
TYPICAL LANE CLOSURE



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.

LEGEND

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

SIGN PANEL SIZE (Min)

A 36" x 36"

B 36" x 18"

TABLE 1

APPROACH SPEED	* MINIMUM L	** Max SPACING OF CONES ALONG TAPER
mph	ft	ft
20 AND BELOW	80	20
25	125	25
30	180	30
35	245	35
40	320	40
45	540	45
50	600	50
Over 50	SEE NOTE 9	

* USE L FOR LANE WIDTHS LESS THAN OR EQUAL TO 12'.
** SEE NOTE 8.

TABLE 2

APPROACH SPEED	MINIMUM D	DOWNGRADE MINIMUM D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 AND BELOW	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
OVER 50	SEE NOTE 9			

* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

NOTES:

1. Where approach speeds are low, advance warning signs may be placed at 300' spacing and placed closer in urban areas.
2. Each advance warning 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. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. 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.
4. 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.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Flashing arrow sign shall be either Type I or Type II.
8. The maximum spacing between cones along a tangent shall be 50' and along a taper shall be approximately as shown in Table 1.
9. For approach speeds over 50 mph, use the "Traffic Control System for Lane Closure On Freeways And Expressways" plan for lane closure details and requirements.
10. 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.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

TCS-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE ENGINEERING
FUNCTIONAL SUPERVISOR: PAUL CRISPI
CALCULATED-DESIGNED BY | CHECKED BY | REVISED BY | DATE REVISED

LAST REVISION 01-25-13 | DATE PLOTTED => 10-DEC-2012 | TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	17	34

REGISTERED CIVIL ENGINEER 12-7-12 DATE

3-11-13
PLANS APPROVAL DATE

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

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LEGEND

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

TABLE 1

APPROACH SPEED	* MINIMUM L	** Max SPACING OF CONES ALONG TAPER
mph	ft	ft
20 and below	80	20
25	125	25
30	180	30
35	245	35
40	320	40
45	540	45
50	600	50
OVER 50	SEE NOTE 11	

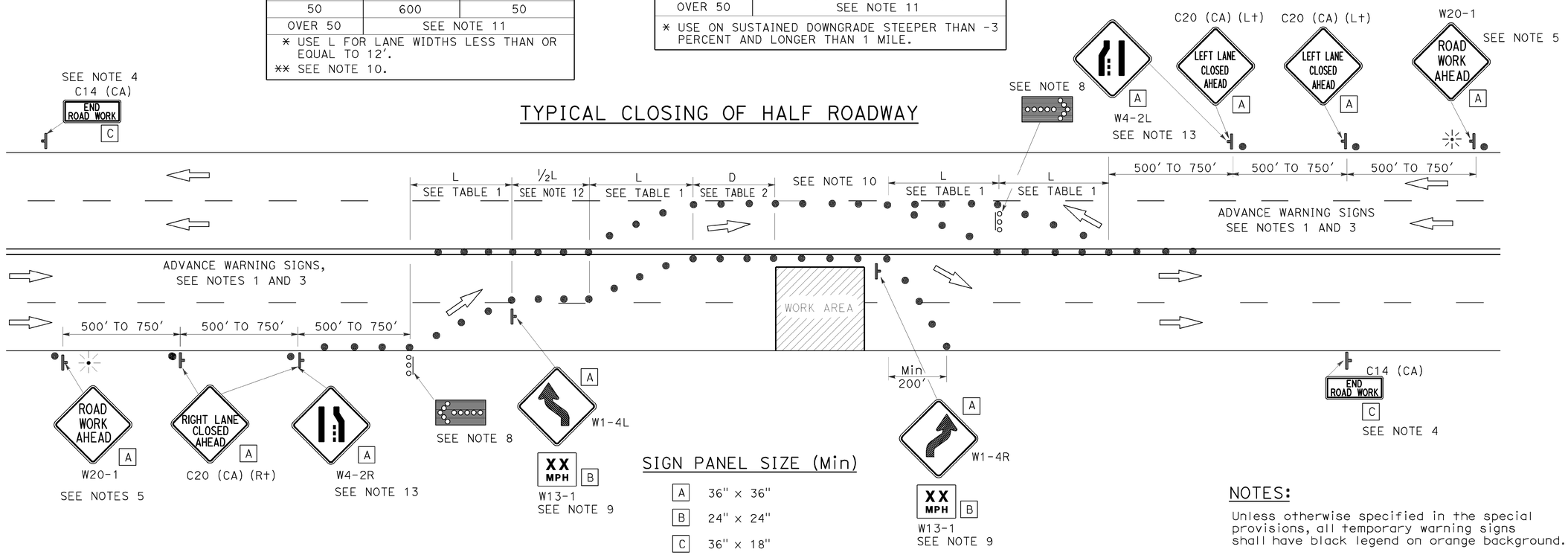
* USE L FOR LANE WIDTHS LESS THAN OR EQUAL TO 12'.
** SEE NOTE 10.

TABLE 2

APPROACH SPEED	MINIMUM D	DOWNGRADE MINIMUM D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 AND BELOW	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
OVER 50	SEE NOTE 11			

* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

TYPICAL CLOSING OF HALF ROADWAY



SIGN PANEL SIZE (Min)

- A 36" x 36"
- B 24" x 24"
- C 36" x 18"

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.

NOTES:

1. Where Approach speeds are low, advance warning signs may be placed at 300' spacing and placed closer in urban areas.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.
3. Each advance warning sign in each direction of travel 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.
4. 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.
5. 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.
6. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
7. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
8. Flashing arrow signs shall be either Type I or Type II.
9. Advisory speed will be determined by the Engineer. The W13-1 Sign will not be required when advisory speed is more than the posted or maximum speed limit.
10. The maximum spacing between cones along a tangent shall be 50' and along a taper shall be approximately as shown in Table 1.
11. For approach speeds over 50 mph, use the "Traffic Control System For Lane Closure On Freeways And Expressways" plan for lane closure details and requirements.
12. Unless otherwise specified in the special provisions, the (½ L) shown between the two (L) lane closure tapers shall be used.
13. When specified in the special provisions, a W4-2 "Lane Ends" symbol sign is to be used in place of the C20 (CA) "RIGHT (LEFT) LANE CLOSED AHEAD" sign.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

TCS-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE ENGINEERING

FUNCTIONAL SUPERVISOR: PAUL CRISPI
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 01-25-13
DATE PLOTTED => 10-DEC-2012
TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	18	34

REGISTERED CIVIL ENGINEER 12-7-12 DATE

3-11-13
PLANS APPROVAL DATE

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

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NOTES:

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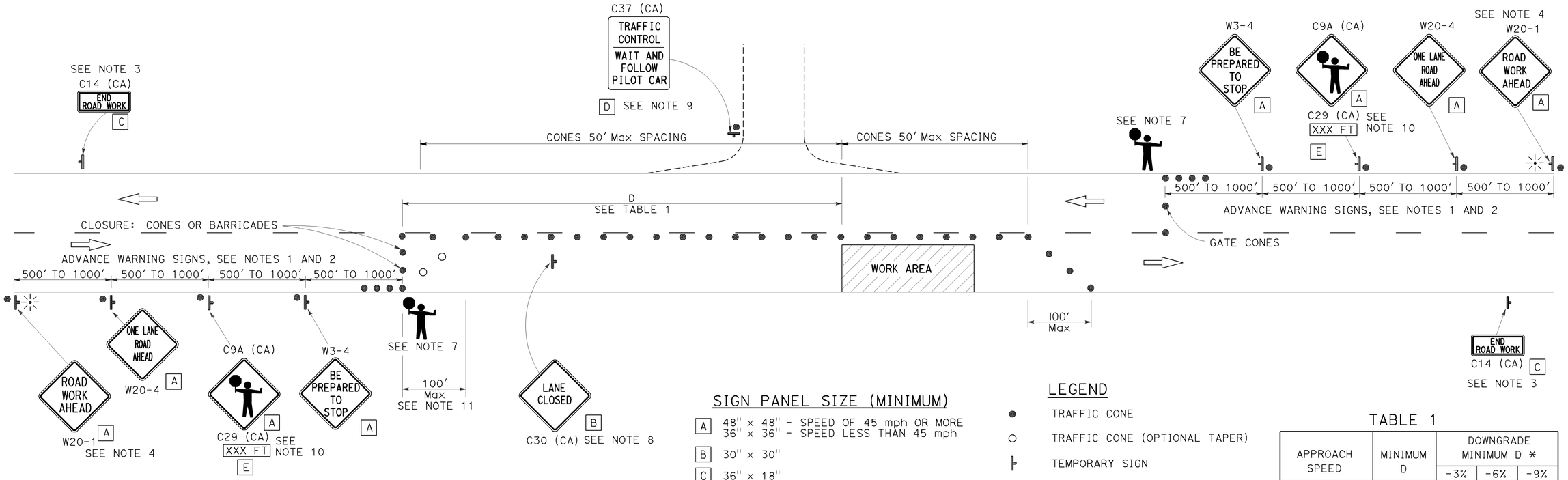
California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



SIGN PANEL SIZE (MINIMUM)

A	48" x 48" - SPEED OF 45 mph OR MORE 36" x 36" - SPEED LESS THAN 45 mph
B	30" x 30"
C	36" x 18"
D	36" x 42"
E	36" x 9"

LEGEND

- ● TRAFFIC CONE
- ○ TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY SIGN
- PORTABLE FLASHING BEACON
- FLAGGER

TABLE 1

APPROACH SPEED	MINIMUM D	DOWNGRADE MINIMUM D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 AND BELOW	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785

* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

NOTES:

1. Where approach speeds are low, advance warning signs may be placed at 300' spacing, and closer in urban areas.
2. Each advance warning sign in each direction of travel 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.
3. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
4. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____MILES", use a W20-4 sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
8. Place C30 (CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
9. When a pilot car is used, place a C37 (CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign at all intersections within traffic control area. Signs shall be clean and visible at all times.
10. An optional C29 (CA) sign may be placed below the C9A (CA) sign.
11. Traffic cones or barricades may be placed on the optional taper as shown, barricades shall be Type I, II, or III.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

TCS-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
FUNCTIONAL SUPERVISOR PAUL CRISPI
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 01-25-13 DATE PLOTTED => 10-DEC-2012 TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	19	34

REGISTERED CIVIL ENGINEER 12-7-12 DATE

3-11-13
PLANS APPROVAL DATE

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

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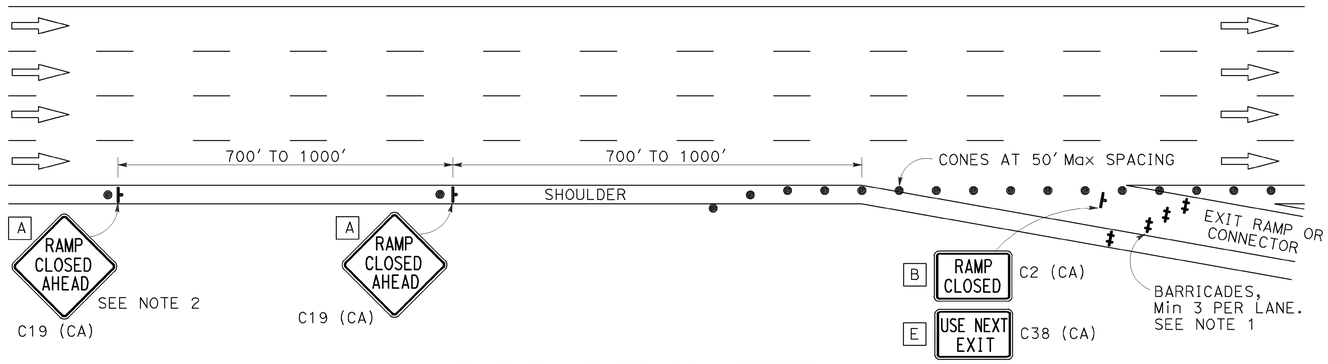
TYPICAL RAMP CLOSURES

SIGN PANEL SIZE (Min)

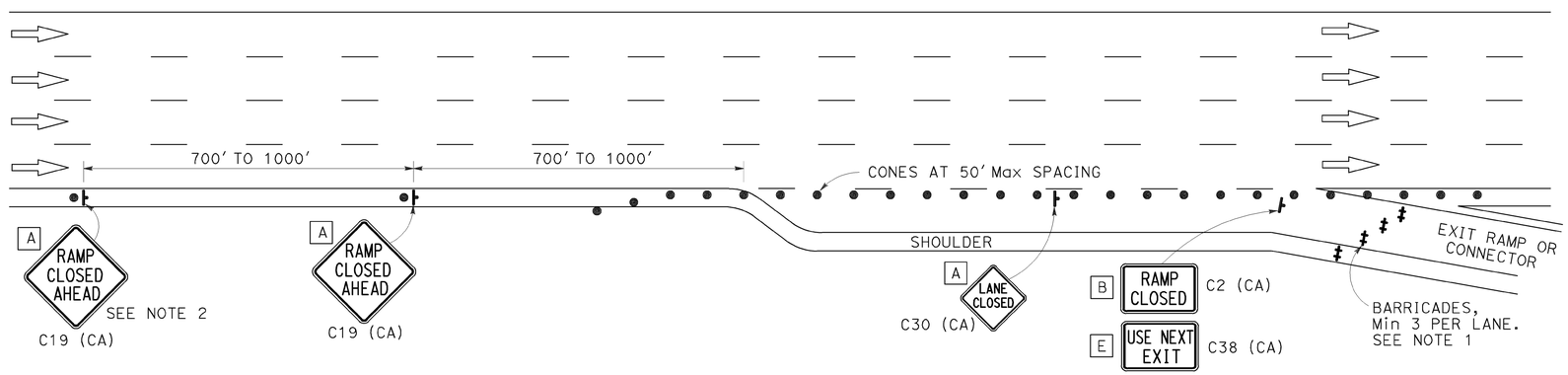
- A 48" x 48"
- B 48" x 30"
- C 30" x 30"
- D 48" x 48" - SPEED OF 50 mph OR MORE
  36" x 36" - SPEED LESS THAN 50 mph
- E 48" x 36"

LEGEND

- TRAFFIC CONE
- TEMPORARY SIGN
- BARRICADES



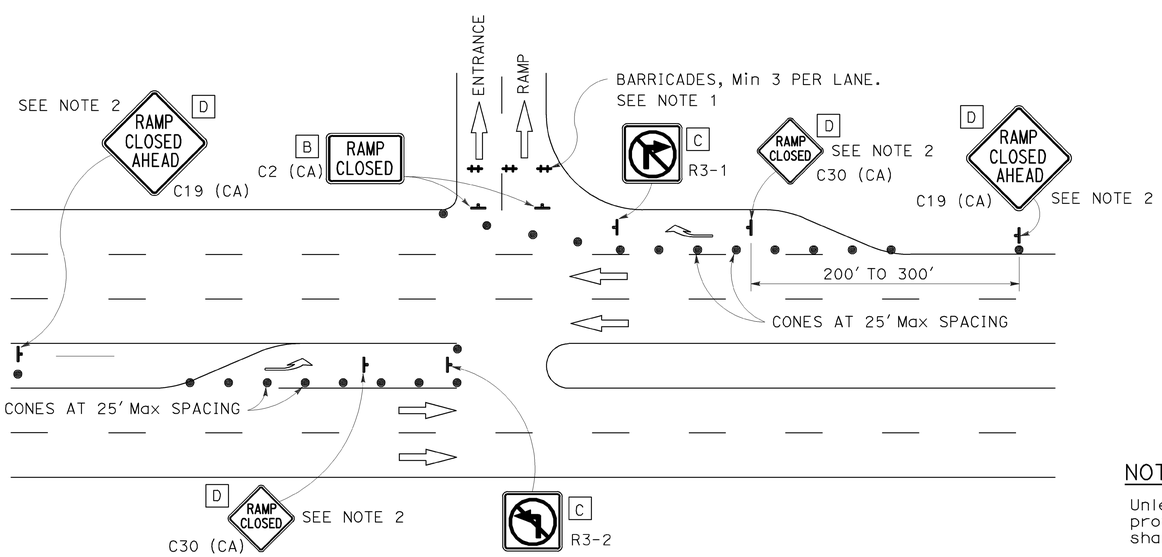
EXIT RAMP OR CONNECTOR



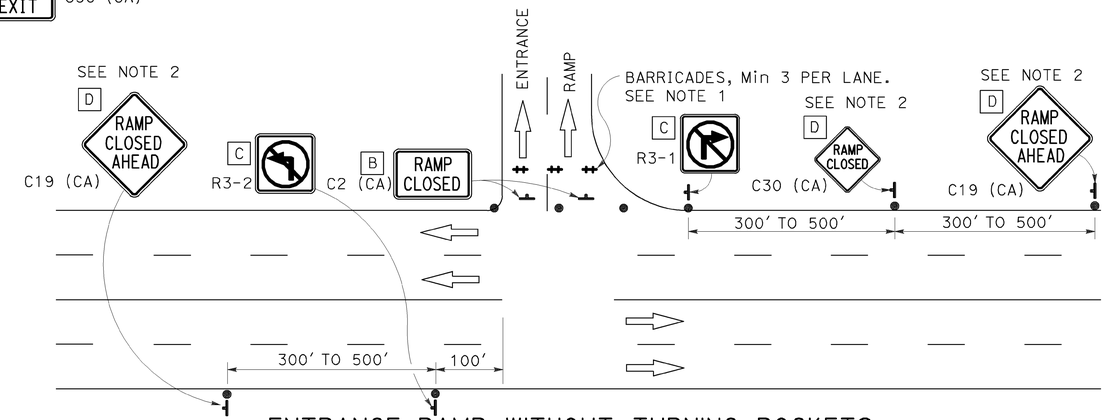
EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE

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.



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

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-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE ENGINEERING
FUNCTIONAL SUPERVISOR PAUL CRISPI
CALCULATED-DESIGNED BY | CHECKED BY | REVISED BY | DATE REVISED

LAST REVISION 01-25-13 | DATE PLOTTED => 10-DEC-2012 | TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	20	34

REGISTERED CIVIL ENGINEER

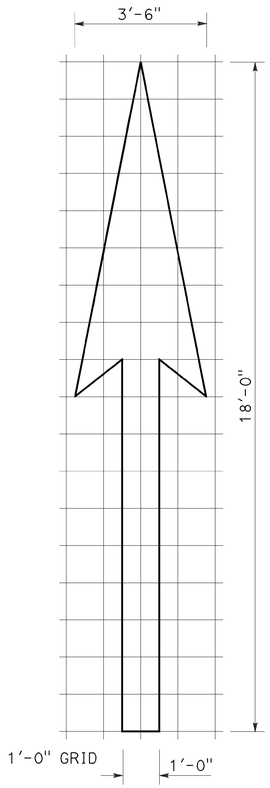
April 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
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.

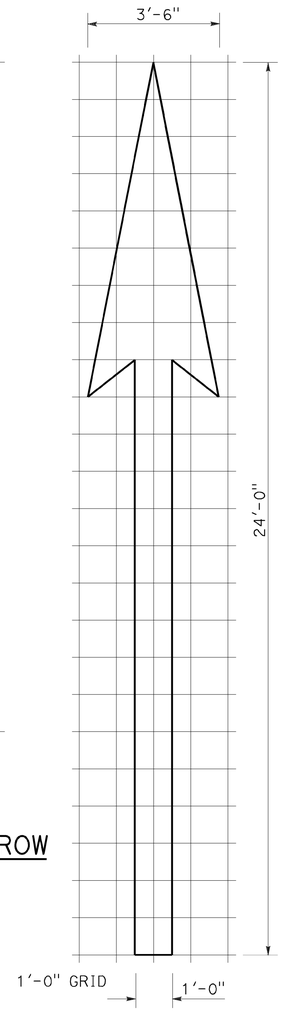
TO ACCOMPANY PLANS DATED 3-11-13

2010 REVISED STANDARD PLAN RSP A24A



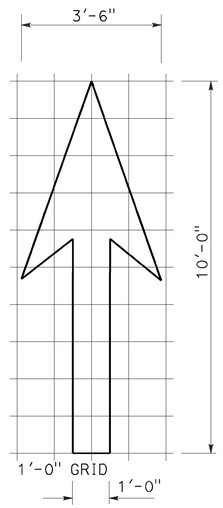
A=25 ft^2

TYPE I 18'-0" ARROW



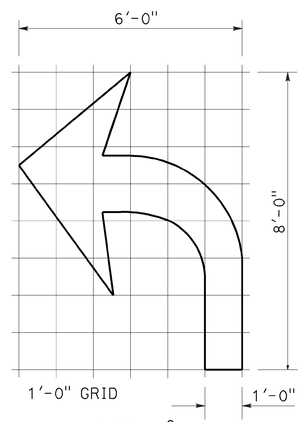
A=31 ft^2

TYPE I 24'-0" ARROW



A=14 ft^2

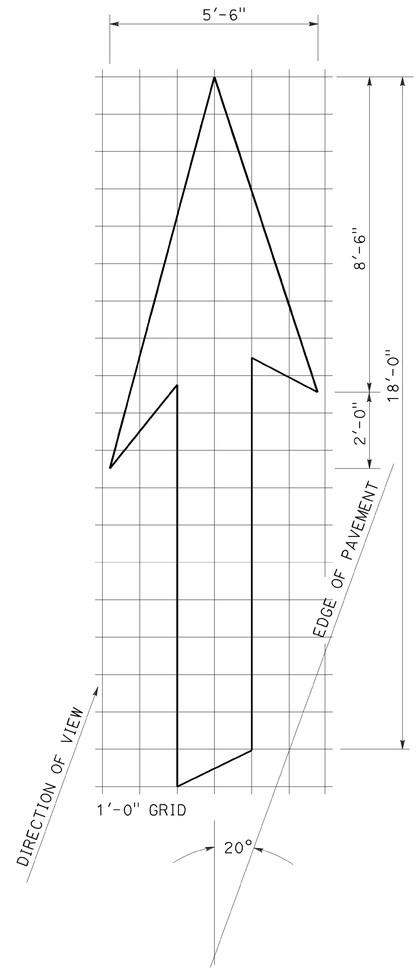
TYPE I 10'-0" ARROW



A=15 ft^2

TYPE IV (L) ARROW

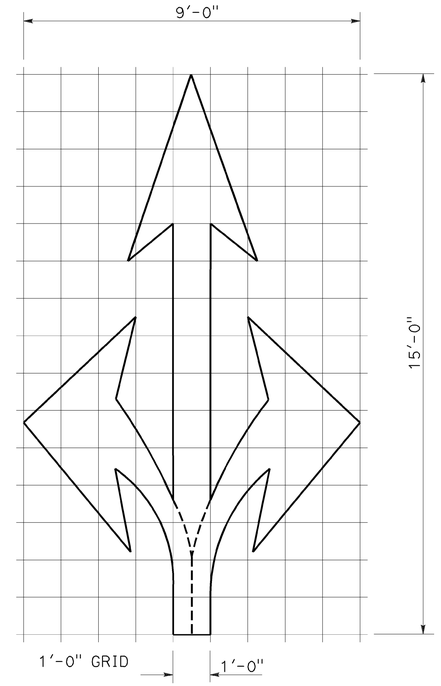
(For Type IV (R) arrow, use mirror image)



A=42 ft^2

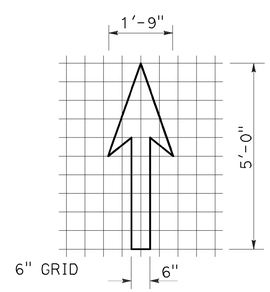
TYPE VI ARROW

Right lane drop arrow (For left lane, use mirror image)



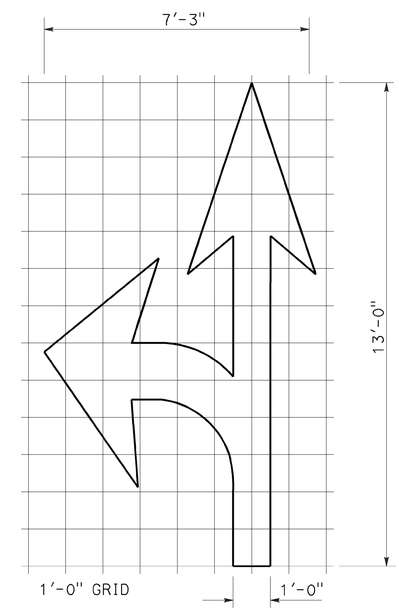
A=36 ft^2

TYPE VIII ARROW



A=3.5 ft^2

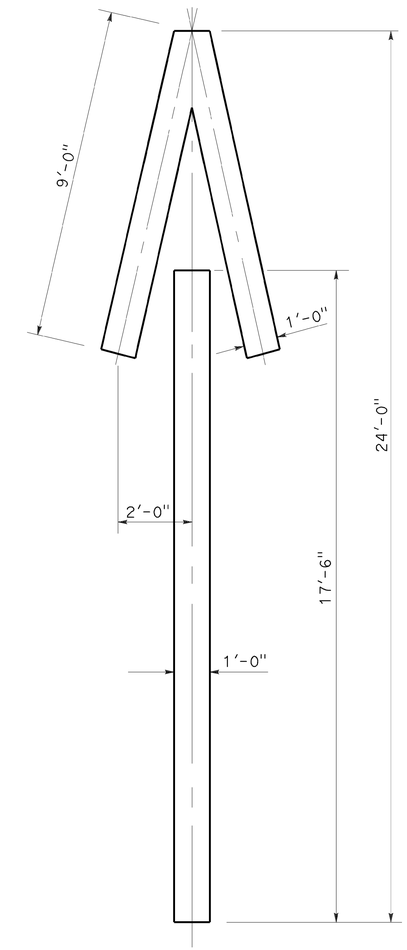
BIKE LANE ARROW



A=27 ft^2

TYPE VII (L) ARROW

(For Type VII (R) arrow, use mirror image)



A=33 ft^2

TYPE V ARROW

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 20, 2011 - PAGE 13 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24A

3-14-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33, 101, 118	Var	21	34

REGISTERED CIVIL ENGINEER

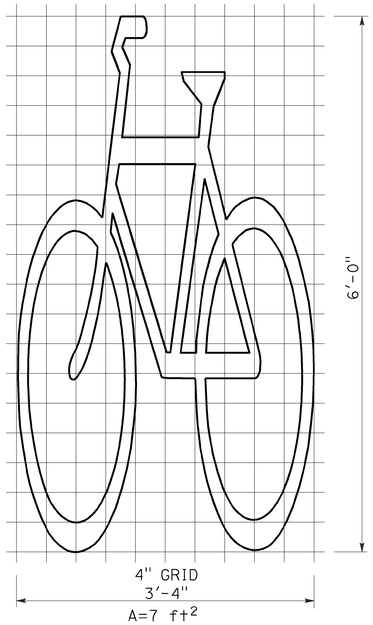
October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
CIVIL
STATE OF CALIFORNIA

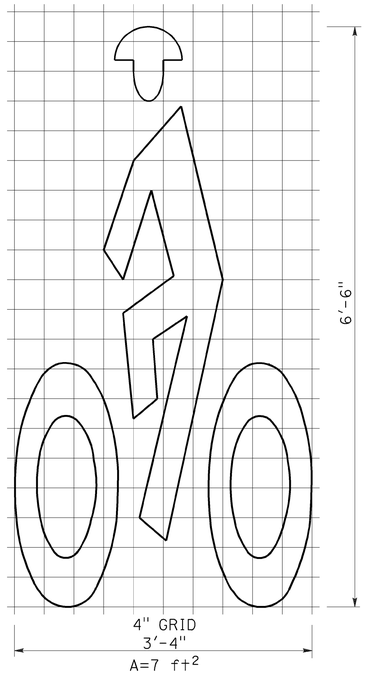
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE: TO ACCOMPANY PLANS DATED 3-11-13

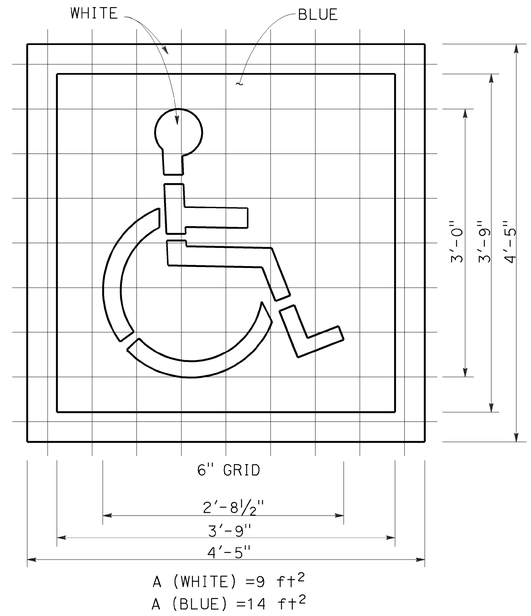
Minor variations in dimensions may be accepted by the Engineer.



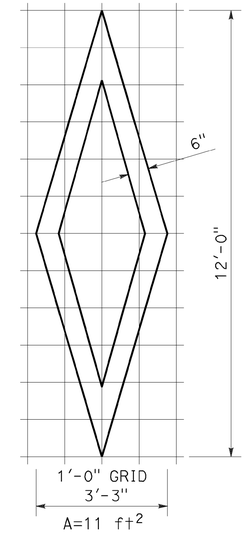
BIKE LANE SYMBOL WITHOUT PERSON



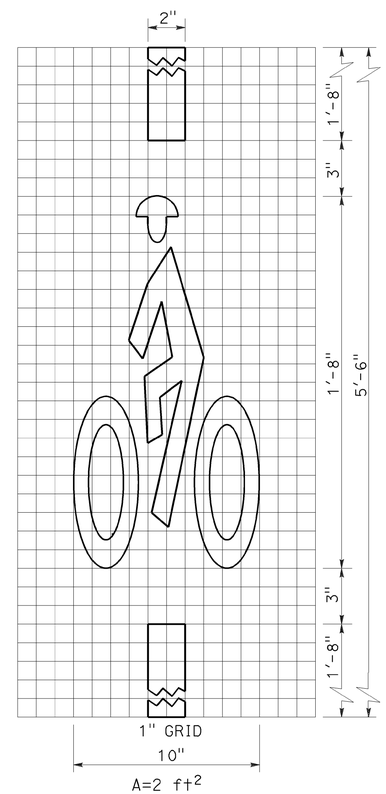
BIKE LANE SYMBOL WITH PERSON



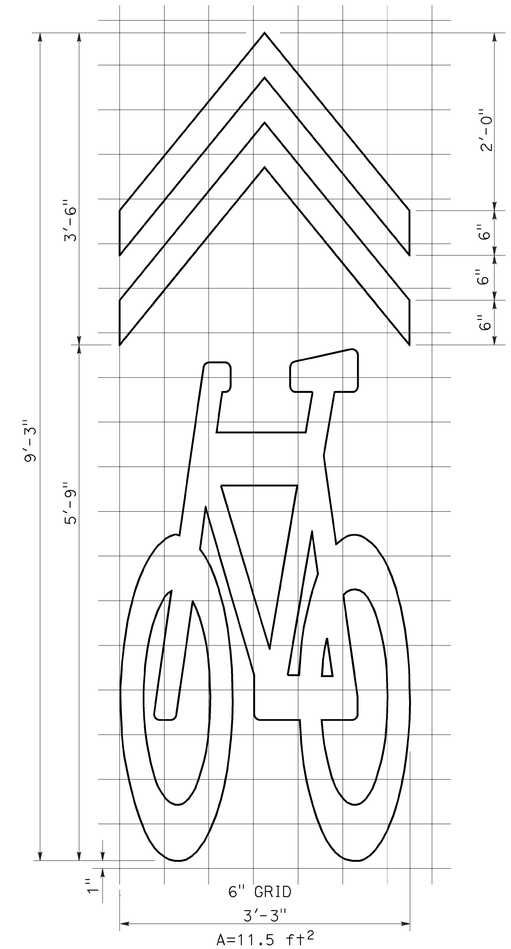
INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) MARKING



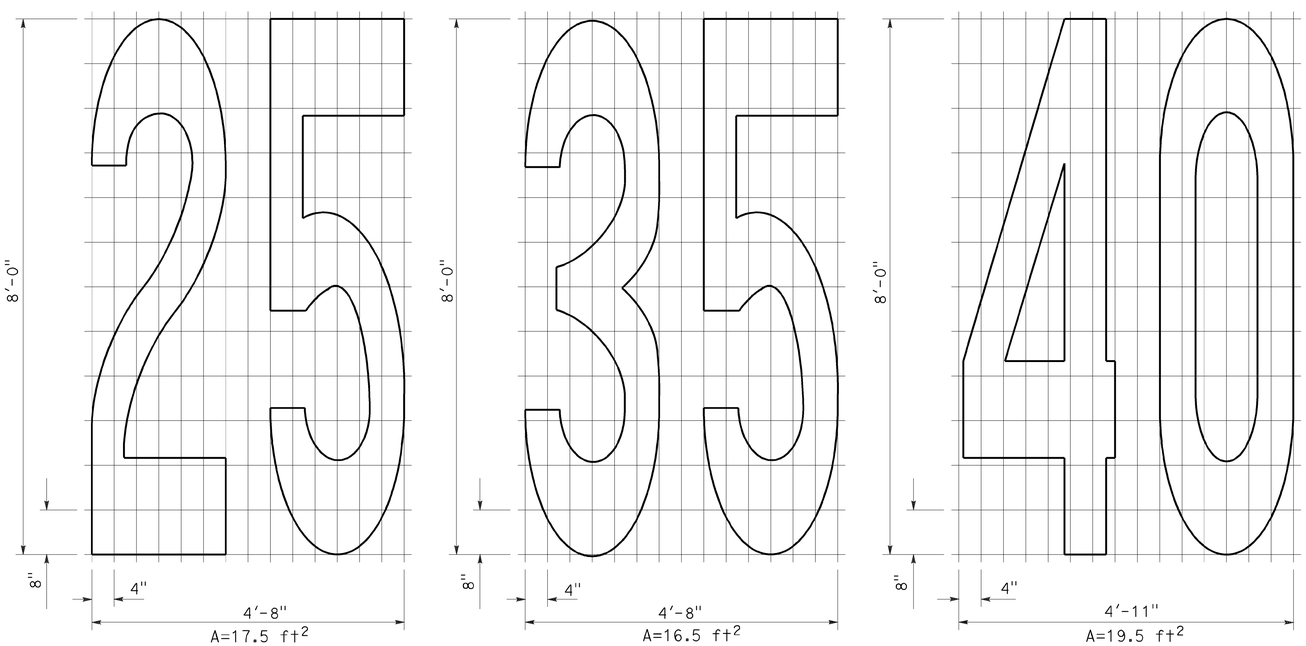
DIAMOND SYMBOL



BICYCLE LOOP DETECTOR SYMBOL



SHARED ROADWAY BICYCLE MARKING



NUMERALS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS SYMBOLS AND NUMERALS

NO SCALE

RSP A24C DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A24C DATED MAY 20, 2011 - PAGE 15 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24C

2010 REVISED STANDARD PLAN RSP A24C

6-28-12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	22	34

Edward Li 12/14/12
REGISTERED CIVIL ENGINEER DATE

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER EDWARD GUOJUN LI No. C56706 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 electronic copies of this plan sheet.

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN No. 1
2	GENERAL PLAN No. 2
3	GENERAL PLAN No. 3
4	GENERAL PLAN No. 4
5	GENERAL PLAN No. 5
6	GENERAL PLAN No. 6
7	GENERAL PLAN No. 7
8	GENERAL PLAN No. 8
9	GENERAL PLAN No. 9
10	GENERAL PLAN No. 10
11	MISCELLANEOUS DETAILS No. 1
12	MISCELLANEOUS DETAILS No. 2
13	STRUCTURE APPROACH SLAB TYPE R(30D)

STANDARD PLANS DATED 2010

SHEET No.	TITLE
A10A	ABBREVIATIONS (SHEET 1 OF 2)
A10B	ABBREVIATIONS (SHEET 2 OF 2)
A10C	LINES AND SYMBOLS (SHEET 1 OF 3)
A10D	LINES AND SYMBOLS (SHEET 2 OF 3)
A10E	LINES AND SYMBOLS (SHEET 3 OF 3)
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

STANDARD PLAN SHEET No.

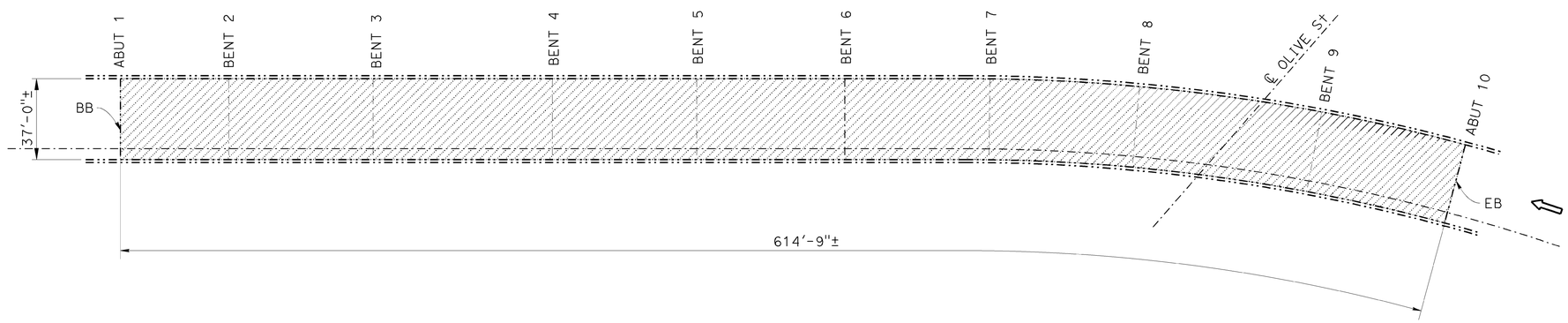
DETAIL No.

LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and place high molecular weight methacrylate.



S33-S101 CONNECTOR UC

Br No. 52-0233F, Rte 33, PM 0.02
1" = 30'

S33-S101 CONNECTOR UC #52-0233F
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	22,750	SQFT
TREAT BRIDGE DECK	22,750	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	285	GAL

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED			
DESIGN	Edward Li	HongTien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	Tom Dang	Edward Li	LAYOUT	Tom Dang	Edward Li
QUANTITIES	Edward Li	HongTien Tran	SPECIFICATIONS	Mingxia Pan	Mingxia Pan

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
GENERAL PLAN NO. 1

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 01 OF 13

FILE => 07-1w2701.dgn

USERNAME => s129239 DATE PLOTTED => 04-MAR-2013 TIME PLOTTED => 10:20

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	23	34

REGISTERED CIVIL ENGINEER — DATE 12/14/12

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD GUOJUN LI — No. C56706 — 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 electronic copies of this plan sheet.

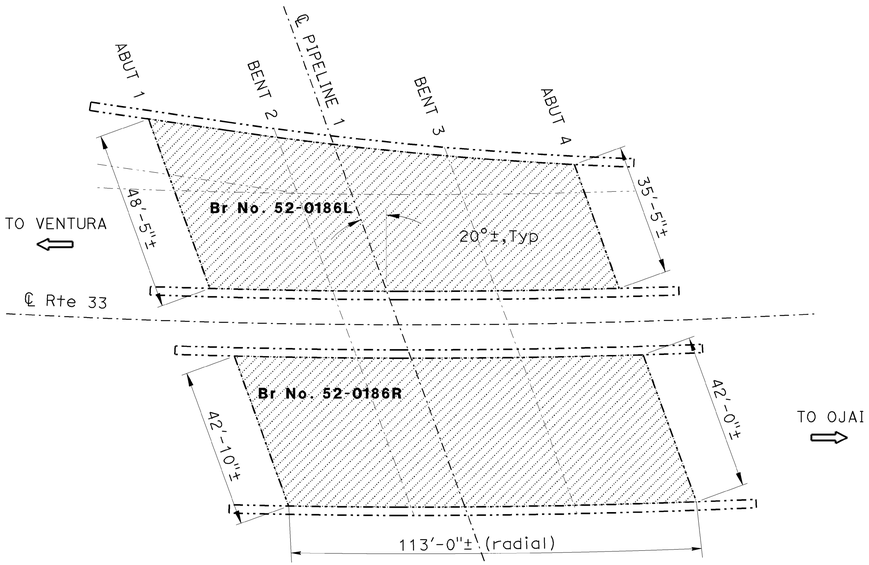
LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and place high molecular weight methacrylate.

Indicates location of clean expansion joint and placement of new joint seal. Prior to placement of new joint seal, repair joint by removing unsound concrete and placing rapid setting concrete (patch) as directed by the Engineer.



PIPELINE 1 UC

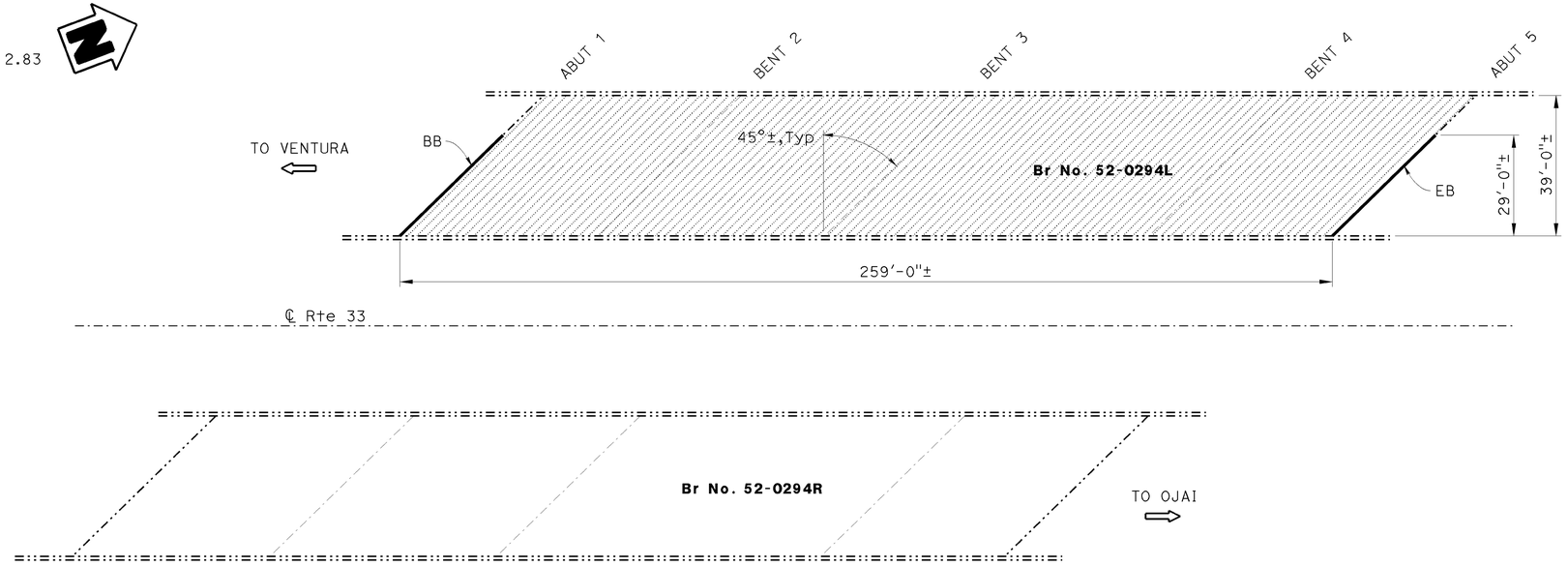
Br No. 52-0186L/R, Rte 33, PM 2.83
1" = 20'

PIPELINE 1 UC #52-0186L/R
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	8,670	SQFT
TREAT BRIDGE DECK	8,670	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	110	GAL

NORTH VENTURA UC #52-0294L
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	10,100	SQFT
TREAT BRIDGE DECK	10,100	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	130	GAL
CLEAN EXPANSION JOINT	82	LF
JOINT SEAL (MR 1")	82	LF



NORTH VENTURA UC

Br No. 52-0294L, Rte 33, PM R3.27
1" = 20'

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Edward Li	HongTien Tran
DETAILS	Tom Dang	Edward Li
QUANTITIES	Edward Li	HongTien Tran

		BY	CHECKED
LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
LAYOUT		Tom Dang	Edward Li
SPECIFICATIONS		Mingxia Pan	PLANS AND SPECS COMPARED Mingxia Pan

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
GENERAL PLAN NO. 2

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES
REVISION DATES 11-13-12

SHEET 02 OF 13

FILE => 07-1w2701.dgn

USERNAME => s129239 DATE PLOTTED => 04-MAR-2013 TIME PLOTTED => 10:21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	24	34

REGISTERED CIVIL ENGINEER — DATE 12/14/12

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD GUOJUN LI — No. C56706 — 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 electronic copies of this plan sheet.

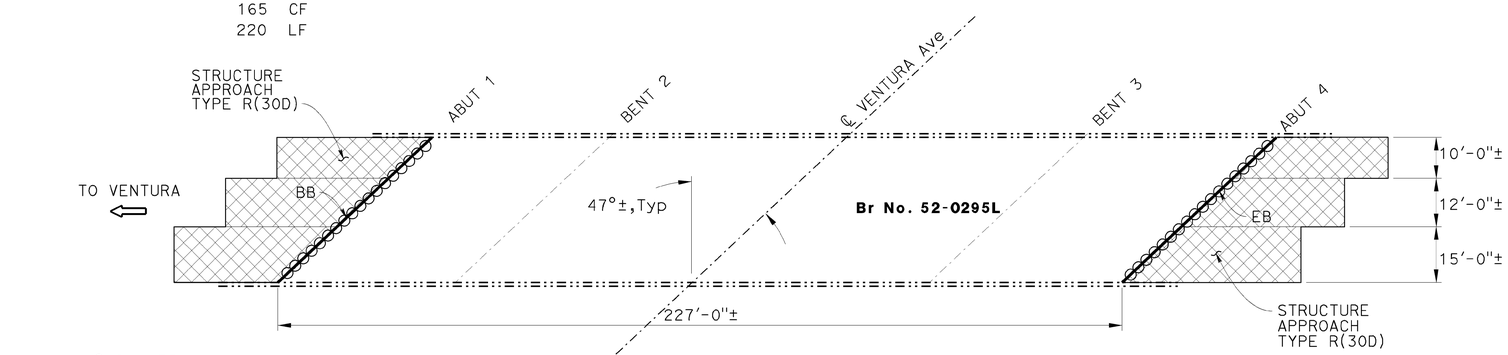
LEGEND:

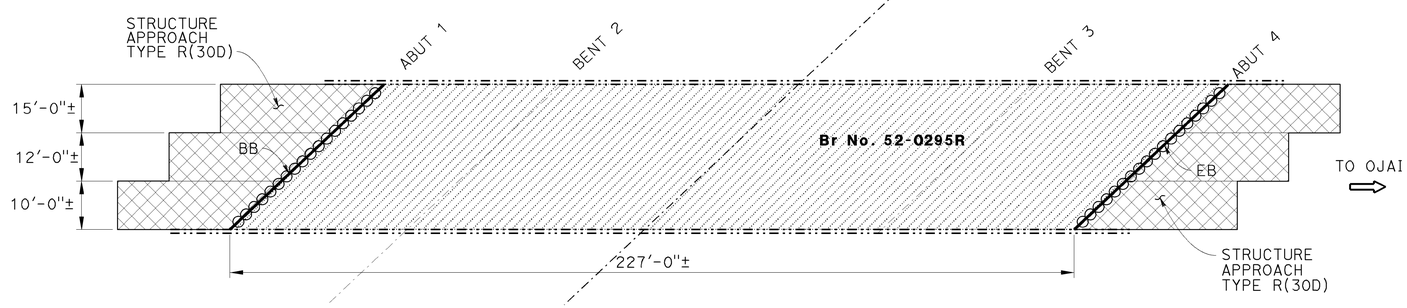
- Indicates existing.
- Indicates direction of traffic.
- Indicates limits of prepare concrete bridge deck surface and place high molecular weight methacrylate.
- Indicates limits of placement of new joint seal.
- Indicates limits of remove AC roadway and construct new structure approach slabs with paving notch extensions.

VENTURA Ave UC #52-0295L/R

QUANTITIES

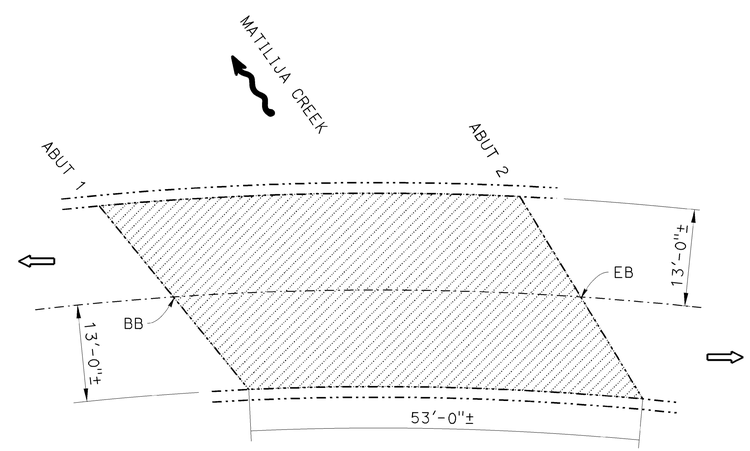
PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	8,400	SQFT
TREAT BRIDGE DECK	8,400	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	105	GAL
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	244	CY
PAVING NOTCH EXTENSION	165	CF
JOINT SEAL (MR 1")	220	LF





VENTURA AVENUE UC

Br No. 52-0295L/R, Rte 33, PM R4.05
1" = 20'



NORTH FORK MATILIJA CREEK #52-0173

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	1,420	SQFT
TREAT BRIDGE DECK	1,420	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	20	GAL

NORTH FORK MATILIJA CREEK

Br No. 52-0173, Rte 33, PM 16.13
1" = 10'

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED			
DESIGN	Edward Li	HongTien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	Tom Dang	Edward Li	LAYOUT	Tom Dang	Edward Li
QUANTITIES	Edward Li	HongTien Tran	SPECIFICATIONS	Mingxia Pan	PLANS AND SPECS COMPARED Mingxia Pan

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
GENERAL PLAN NO. 3

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 03 OF 13

FILE => 07-1w2701.dgn

USERNAME => s129239 DATE PLOTTED => 04-MAR-2013 TIME PLOTTED => 10:21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	25	34

Edward Li 12/14/12
REGISTERED CIVIL ENGINEER DATE

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER EDWARD GUOJUN LI No. C56706 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 electronic copies of this plan sheet.

LEGEND:

Indicates existing.

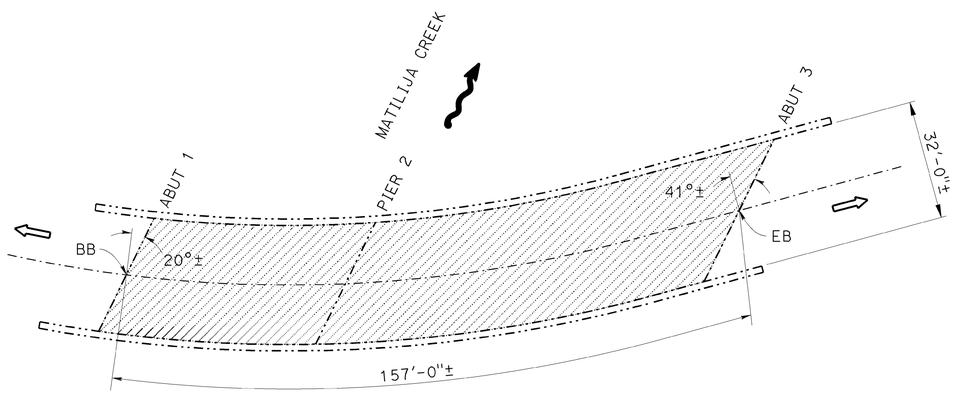
Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and place high molecular weight methacrylate.

Indicates location of clean expansion joint and placement of new joint seal. Prior to placement of new joint seal, repair joint by removing unsound concrete and placing rapid setting concrete (patch) as directed by the Engineer.

NORTH FORK MATILIJA CREEK #52-0066
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	5,340	SQFT
TREAT BRIDGE DECK	5,340	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	70	GAL

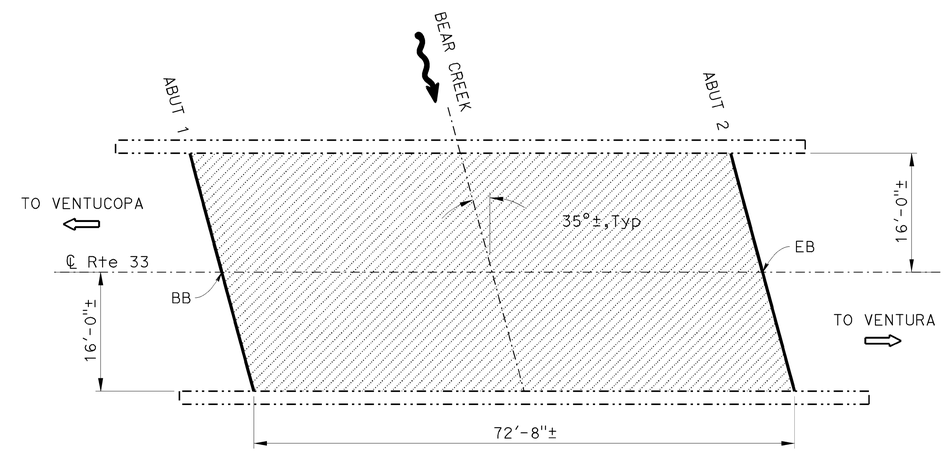


NORTH FORK MATILIJA CREEK

Br No. 52-0066, Rte 33, PM 17.41
1" = 20'

BEAR CREEK BRIDGE #52-0074
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	2,330	SQFT
TREAT BRIDGE DECK	2,330	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	30	GAL
CLEAN EXPANSION JOINT	78	LF
JOINT SEAL (MR 1/2")	78	LF



BEAR CREEK

Br No. 52-0074, Rte 33, PM 19.36
1" = 10'

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Edward Li	HongTien Tran
DETAILS	Tom Dang	Edward Li
QUANTITIES	Edward Li	HongTien Tran

LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
LAYOUT	BY Tom Dang	CHECKED Edward Li	
SPECIFICATIONS	BY Mingxia Pan	PLANS AND SPECS COMPARED Mingxia Pan	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
GENERAL PLAN NO. 4

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 04 OF 13

FILE => 07-1w2701.dgn

USERNAME => s1292339 DATE PLOTTED => 04-MAR-2013 TIME PLOTTED => 10:22

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	26	34

REGISTERED CIVIL ENGINEER — DATE 12/14/12

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD GUOJUN LI — No. C56706 — Exp. 06/30/13 — CIVIL — STATE OF CALIFORNIA

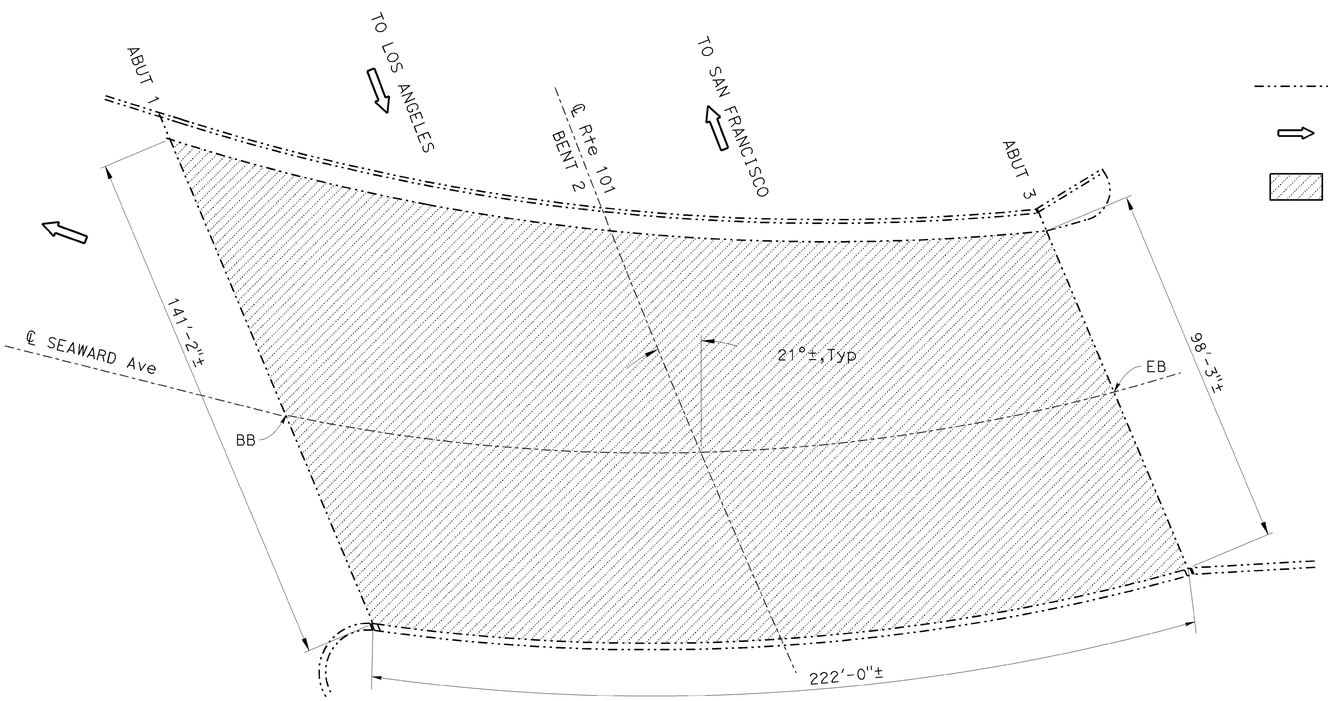
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and place high molecular weight methacrylate.



SEAWARD AVENUE OC

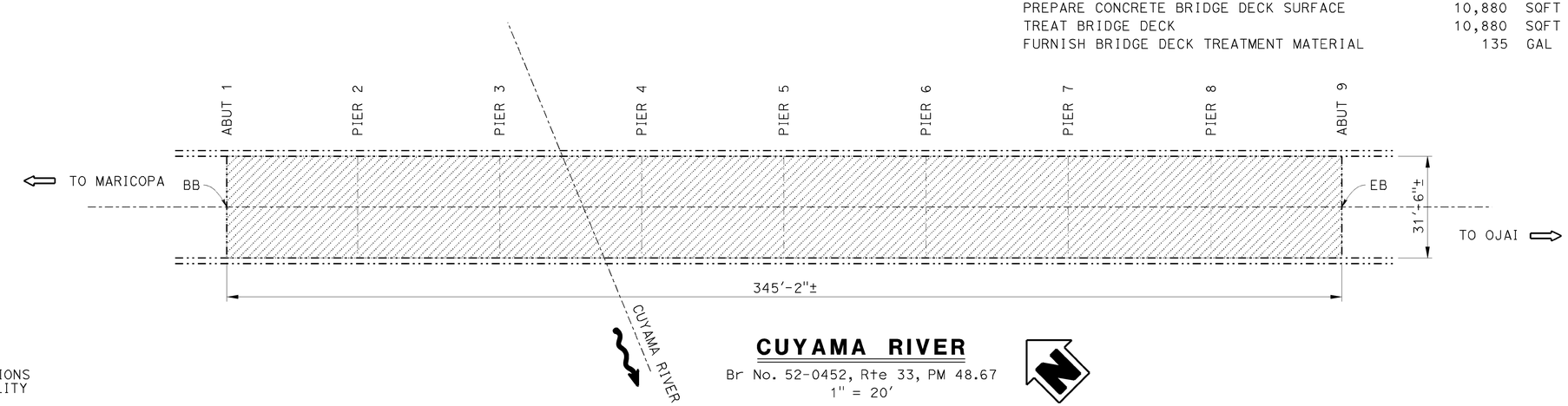
Br No. 52-0434, Rte 101, PM 28.47
1" = 20'

SEAWARD Ave OC #52-0434
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	24,650	SQFT
TREAT BRIDGE DECK	24,650	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	310	GAL

CUYAMA RIVER BRIDGE #52-0452
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	10,880	SQFT
TREAT BRIDGE DECK	10,880	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	135	GAL



CUYAMA RIVER

Br No. 52-0452, Rte 33, PM 48.67
1" = 20'

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Edward Li	HongTien Tran
DETAILS	Tom Dang	Edward Li
QUANTITIES	Edward Li	HongTien Tran

LOAD FACTOR DESIGN — LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
LAYOUT — BY Tom Dang — CHECKED Edward Li
SPECIFICATIONS — BY Mingxia Pan — PLANS AND SPECS COMPARED Mingxia Pan

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
GENERAL PLAN NO. 5

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 05 OF 13

FILE => 07-1w2701.dgn

USERNAME => s129239 DATE PLOTTED => 04-MAR-2013 TIME PLOTTED => 10:23

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	27	34

Edward Li 12/14/12
REGISTERED CIVIL ENGINEER DATE

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER EDWARD GUOJUN LI No. C56706 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 electronic copies of this plan sheet.

LEGEND:

Indicates existing.

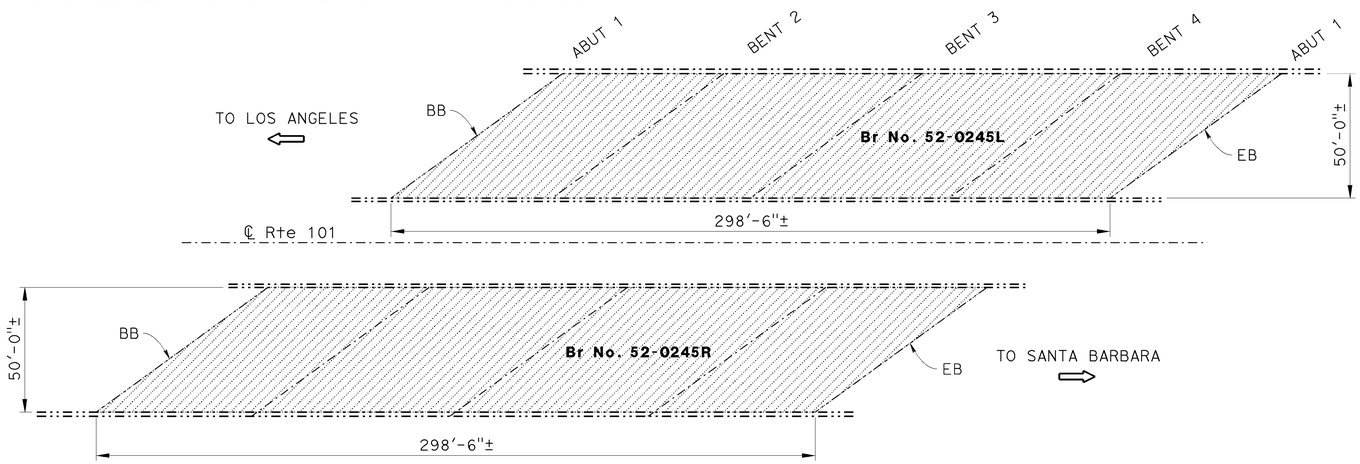
Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and place high molecular weight methacrylate.

Indicates location of clean expansion joint and placement of new joint seal. Prior to placement of new joint seal, repair joint by removing unsound concrete and placing rapid setting concrete (patch) as directed by the Engineer.

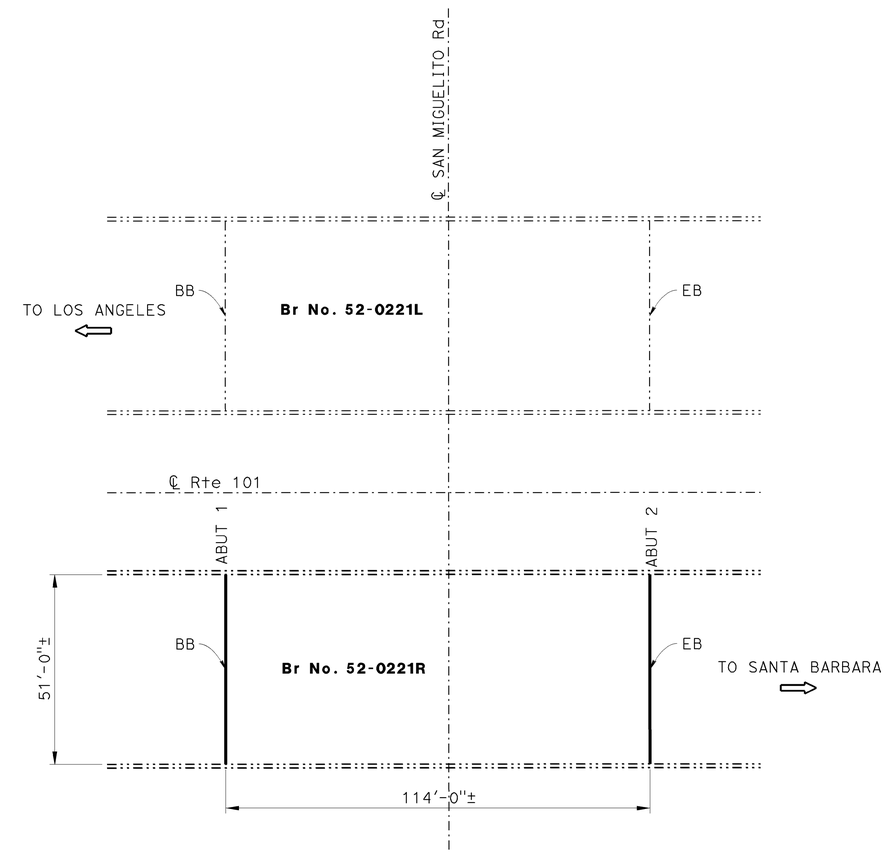
WEST MAIN STREET UC #52-0245L/R
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	29,850	SQFT
TREAT BRIDGE DECK	29,850	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	375	GAL



WEST MAIN STREET UC

Br No. 52-0245L/R, Rte 101, PM 31.55
1" = 30'



SAN MIGUELITO ROAD UC

Br No. 52-0221R, Rte 101, PM R35.35
1" = 20'

SAN MIGUELITO Rd UC #52-0221R
QUANTITIES

CLEAN EXPANSION JOINT	102	LF
JOINT SEAL (MR 1/2")	102	LF

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED			
DESIGN	Edward Li	HongTien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	Tom Dang	Edward Li	LAYOUT	Tom Dang	Edward Li
QUANTITIES	Edward Li	HongTien Tran	SPECIFICATIONS	Mingxia Pan	PLANS AND SPECS COMPARED Minaxia Pan

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
GENERAL PLAN NO. 6

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 06 OF 13

FILE => 07-1w2701.dgn

USERNAME => s129239 DATE PLOTTED => 04-MAR-2013 TIME PLOTTED => 10:23

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	28	34

Edward Li 12/14/12
REGISTERED CIVIL ENGINEER DATE

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER EDWARD GUOJUN LI No. C56706 Exp. 06/30/13 CIVIL STATE OF CALIFORNIA

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LEGEND:

Indicates existing.

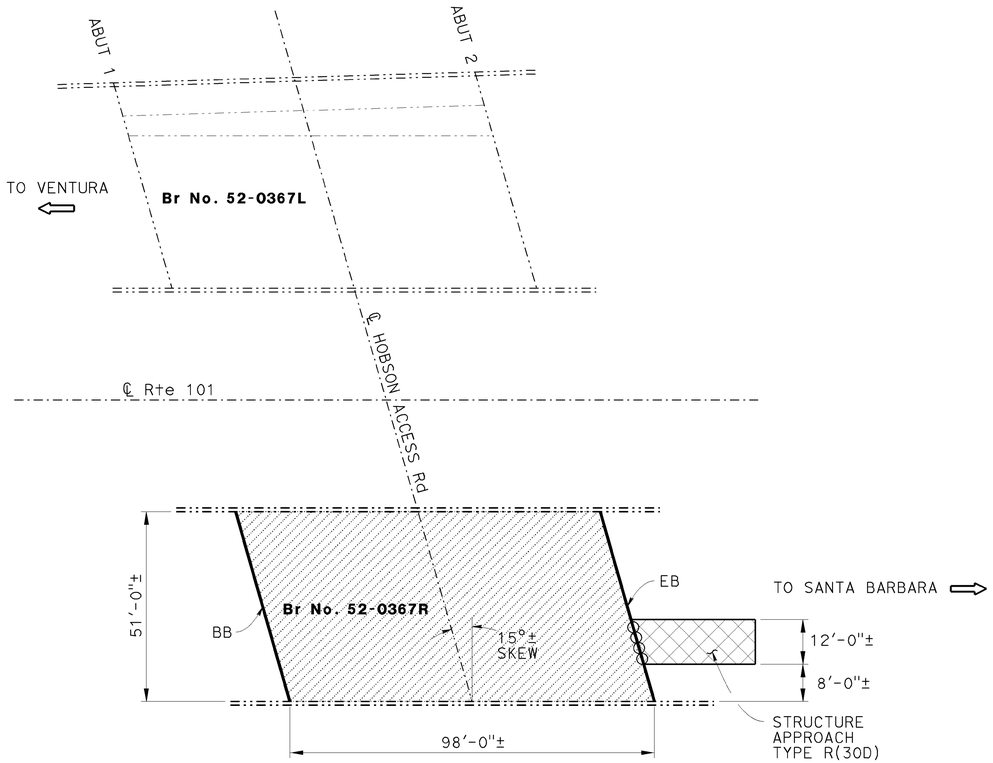
Indicates direction of traffic.

Indicates location of clean expansion joint and placement of new joint seal. Prior to placement of new joint seal, repair joint by removing unsound concrete and placing rapid setting concrete (patch) as directed by the Engineer.

Indicates limits of placement of new joint seal.

Indicates limits of prepare concrete bridge deck surface and place high molecular weight methacrylate.

Indicates limits of replace damaged portion of approach slab.



HOBSON ACCESS ROAD UC

Br No. 52-0367R, Rte 101, PM R38.89
1" = 20'

HOBSON ACCESS Rd UC #52-0367R
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	5,000	SQFT
TREAT BRIDGE DECK	5,000	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	65	GAL
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R	18	CY
PAVING NOTCH EXTENSION	10	CF
CLEAN EXPANSION JOINT	94	LF
JOINT SEAL (MR 1/2")	106	LF

NOTE:
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TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED			
DESIGN	Edward Li	HongTien Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DETAILS	Tom Dang	Edward Li	LAYOUT	Tom Dang	Edward Li
QUANTITIES	Edward Li	HongTien Tran	SPECIFICATIONS	Mingxia Pan	PLANS AND SPECS COMPARED Mingxia Pan

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
GENERAL PLAN NO. 7

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 07 OF 13

FILE => 07-1w2701.dgn

USERNAME => s129239 DATE PLOTTED => 06-MAR-2013 TIME PLOTTED => 10:42

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	29	34

Edward Li 12/14/12
REGISTERED CIVIL ENGINEER DATE

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER EDWARD GUOJUN LI No. C56706 Exp. 06/30/13 CIVIL STATE OF CALIFORNIA

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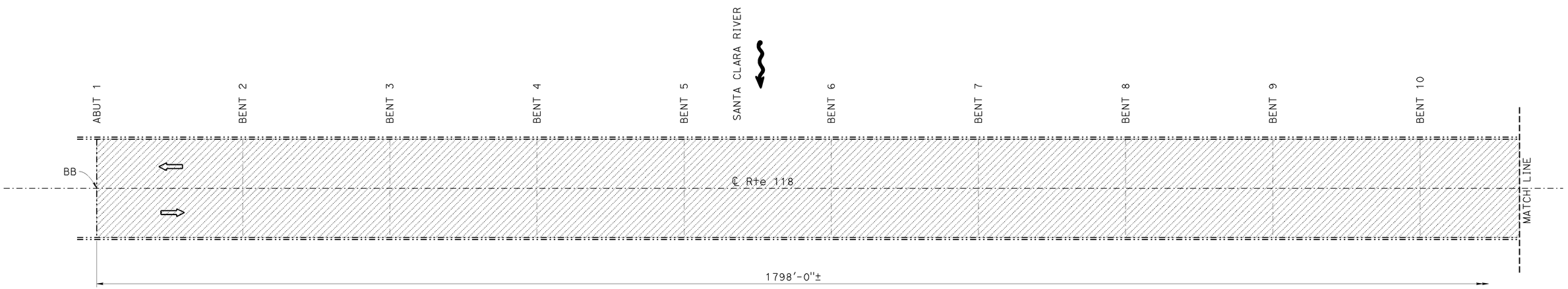
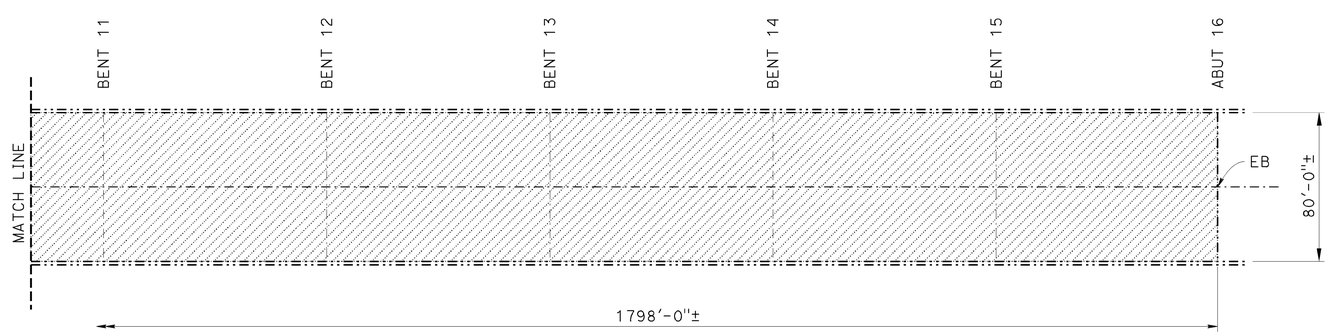
LEGEND:

Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and place high molecular weight methacrylate.





SANTA CLARA RIVER

Br No. 52-0049, Rte 118, PM 1.63
1" = 40'

SANTA CLARA RIVER BRIDGE #52-0049
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	143,900	SQFT
TREAT BRIDGE DECK	143,900	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	1,800	GAL

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Edward Li	HongTien Tran
DETAILS	Tom Dang	Edward Li
QUANTITIES	Edward Li	HongTien Tran

LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
LAYOUT	BY Tom Dang	CHECKED Edward Li	
SPECIFICATIONS	BY Mingxia Pan	PLANS AND SPECS COMPARED Mingxia Pan	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
GENERAL PLAN NO. 8

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 08 OF 13

FILE => 07-1w2701.dgn

USERNAME => s129239 DATE PLOTTED => 04-MAR-2013 TIME PLOTTED => 10:24

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	30	34

Edward Li 12/14/12
REGISTERED CIVIL ENGINEER DATE

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER EDWARD GUOJUN LI No. C56706 Exp. 06/30/13 CIVIL STATE OF CALIFORNIA

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LEGEND:

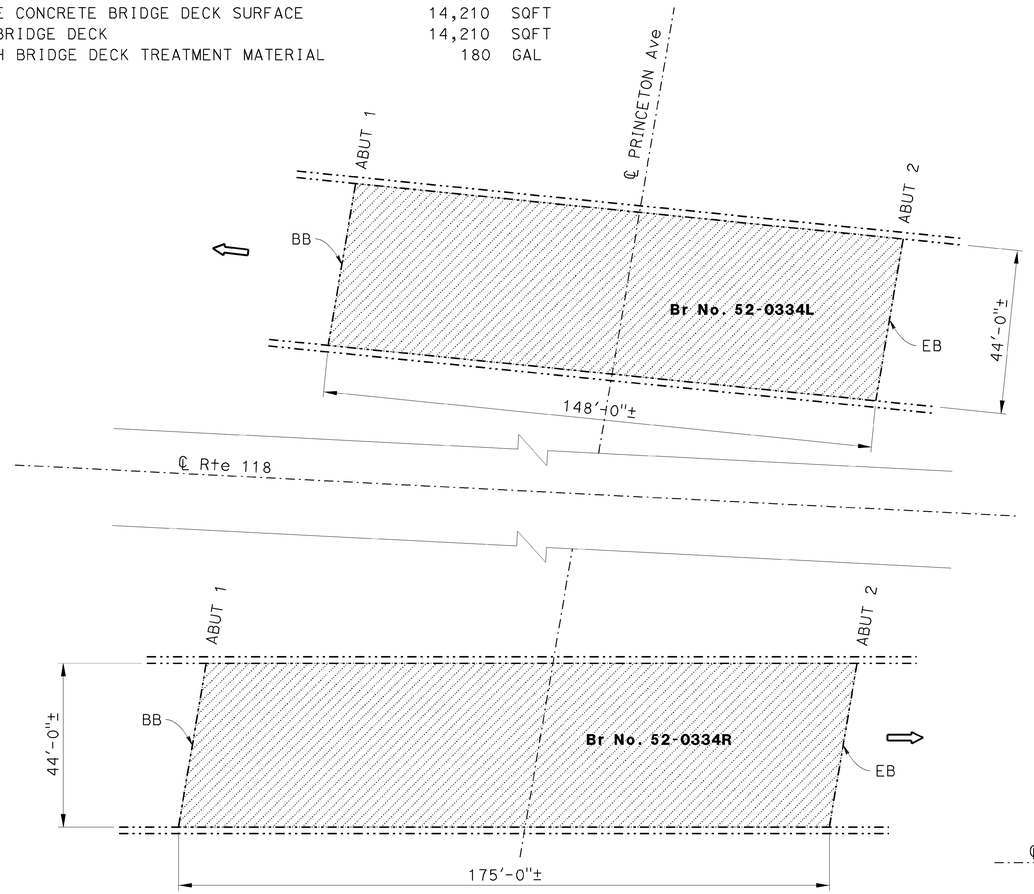
Indicates existing.

Indicates direction of traffic.

Indicates limits of prepare concrete bridge deck surface and place high molecular weight methacrylate.

PRINCETON Ave UC #52-0334L/R
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	14,210	SQFT
TREAT BRIDGE DECK	14,210	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	180	GAL

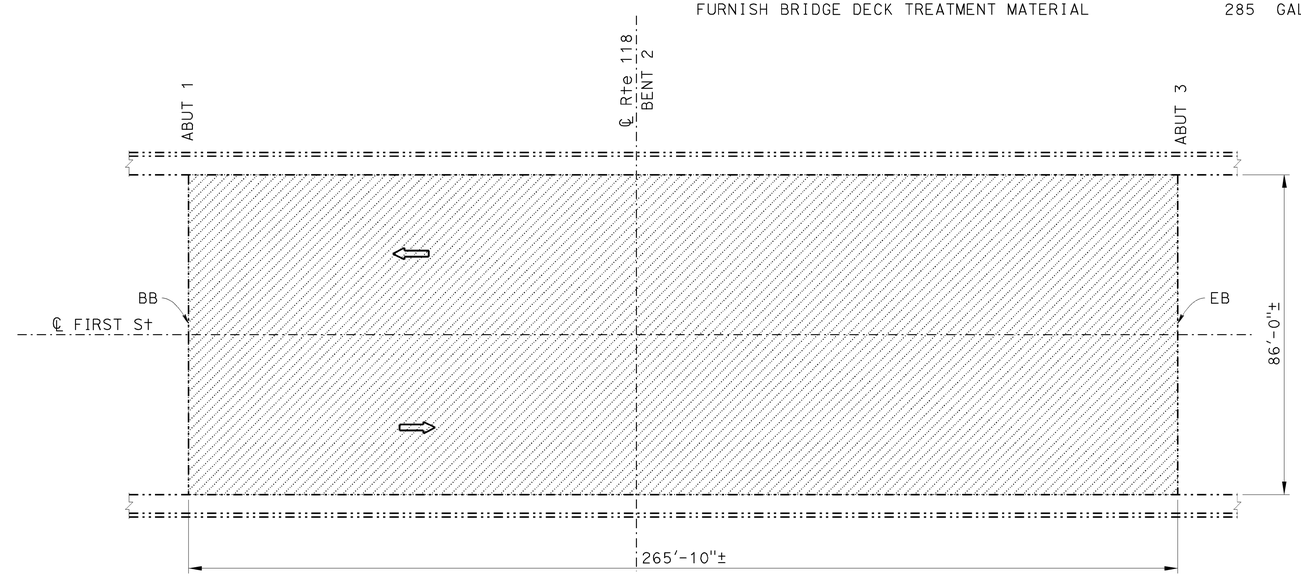


PRINCETON AVENUE UC

Br No. 52-0334L/R, Rte 118, PM R19.19
1" = 20'

FIRST STREET OC #52-0329
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	22,860	SQFT
TREAT BRIDGE DECK	22,860	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	285	GAL



FIRST STREET OC

Br No. 52-0329, Rte 118, PM R23.81
1" = 20'

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

TONY D. DRAKE
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Edward Li	HongTien Tran
DETAILS	Tom Dang	Edward Li
QUANTITIES	Edward Li	HongTien Tran

LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
LAYOUT	BY Tom Dang	CHECKED Edward Li	
SPECIFICATIONS	BY Mingxia Pan	PLANS AND SPECS COMPARED Mingxia Pan	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
GENERAL PLAN NO. 9

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 09 OF 13

FILE => 07-1w2701.dgn

USERNAME => s129239 DATE PLOTTED => 04-MAR-2013 TIME PLOTTED => 10:27

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	31	34

REGISTERED CIVIL ENGINEER — DATE 12/14/12

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD GUOJUN LI — No. C56706 — Exp. 06/30/13 — CIVIL — STATE OF CALIFORNIA

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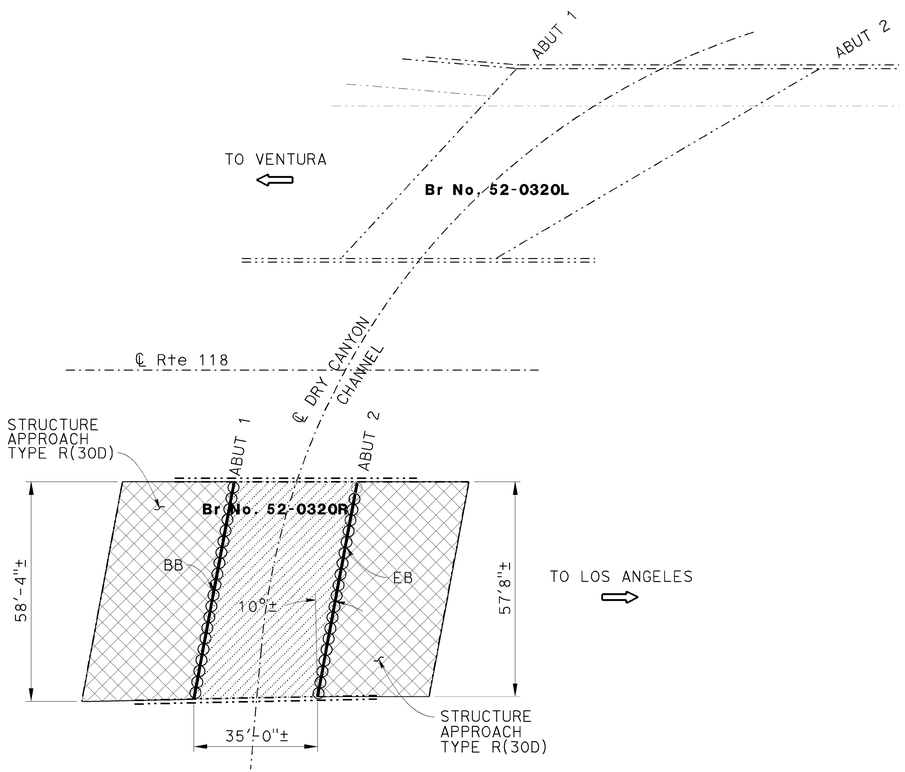
LEGEND:

- Indicates existing.
- Indicates direction of traffic.
- Indicates limits of prepare concrete bridge deck surface and place high molecular weight methacrylate.
- Indicates limits of placement of new joint seal.
- Indicates limits of remove AC roadway and construct new structure approach slabs with paving notch extensions.

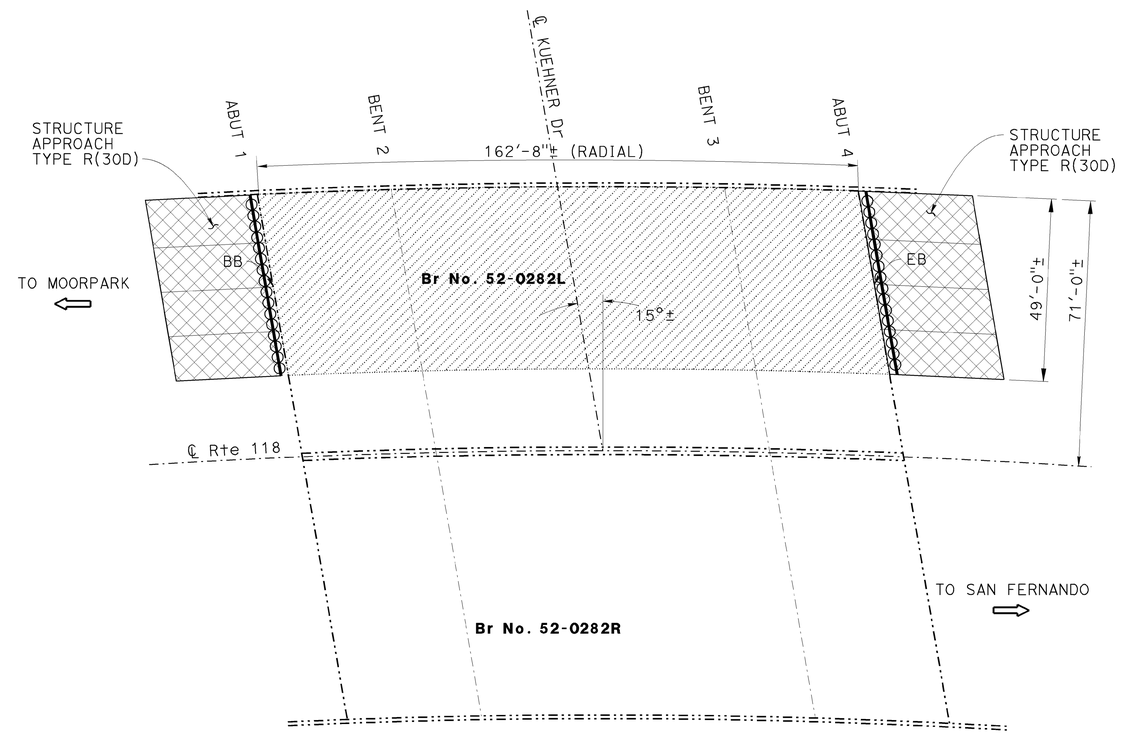
DRY CANYON CHANNEL #52-0320R
QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM	
PREPARE CONCRETE BRIDGE DECK SURFACE	2,030	SQFT
TREAT BRIDGE DECK	2,030	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	25	GAL
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	155	CY
PAVING NOTCH EXTENSION	90	CF
JOINT SEAL (MR 1/2")	118	LF



DRY CANYON CHANNEL

Br No. 52-0320R, Rte 118, PM R25.08
1" = 20'



KUEHNER DRIVE UC #52-0282L
QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM	
PREPARE CONCRETE BRIDGE DECK SURFACE	7,970	SQFT
TREAT BRIDGE DECK	7,970	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	100	GAL
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	130	CY
PAVING NOTCH EXTENSION	75	CF
JOINT SEAL (MR 1/2")	102	LF

KUEHNER DRIVE UC

Br No. 52-0282L, Rte 118, PM R30.52
1" = 20'

NOTE:
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TONY D. BRAKE
DESIGN ENGINEER

	BY	CHECKED
DESIGN	Edward Li	HongTien Tran
DETAILS	Tom Dang	Edward Li
QUANTITIES	Edward Li	HongTien Tran

		BY	CHECKED
LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		
LAYOUT		Tom Dang	Edward Li
SPECIFICATIONS		Mingxia Pan	PLANS AND SPECS COMPARED Mingxia Pan

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
GENERAL PLAN NO. 10

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 10 OF 13

FILE => 07-1w2701.dgn

USERNAME => s129239 DATE PLOTTED => 04-MAR-2013 TIME PLOTTED => 10:28

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	32	34

REGISTERED CIVIL ENGINEER — DATE 12/14/12

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER EDWARD GUOJUN LI No. C56706 Exp. 06/30/13 CIVIL STATE OF CALIFORNIA

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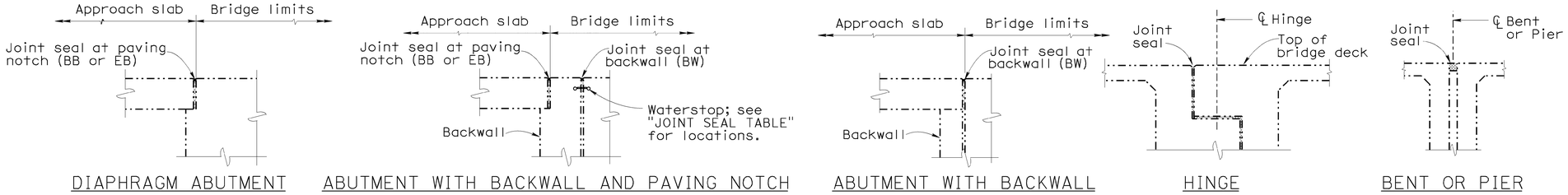


DIAPHRAGM ABUTMENT — ABUTMENT WITH BACKWALL AND PAVING NOTCH — ABUTMENT WITH BACKWALL — HINGE — BENT OR PIER

JOINT SEAL LOCATION

NO SCALE

JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (INCH)	Approx LENGTH (LF)	EXISTING WATERSTOP	Approx DEPTH TO CLEAN Exp JOINT (INCH)
NORTH VENTURA UC	52-0294L	ABUT 1	PN	1	41	NO	12
		ABUT 5	PN	1	41	NO	12
VENTURA AVENUE UC (LT)	52-0295L	ABUT 1	PN	1	55	-	-
		ABUT 4	PN	1	55	-	-
VENTURA AVENUE UC (RT)	52-0295R	ABUT 1	PN	1	55	-	-
		ABUT 4	PN	1	55	-	-
BEAR CREEK	52-0074	ABUT 1	BW	1/2	39	NO	12
		ABUT 2	BW	1/2	39	NO	12
SAN MIGUELITO ROAD UC	52-0221R	ABUT 1	PN	1/2	51	NO	12
		ABUT 2	PN	1/2	51	NO	12
HOBSON ACCESS ROAD UC	52-0367R	ABUT 1	PN	1/2	53	NO	12
		ABUT 2	PN	1/2	53	NO	12
DRY CANYON CHANNEL	52-0320R	ABUT 1	PN	1/2	59	-	-
		ABUT 2	PN	1/2	59	-	-
KUEHNER DRIVE UC	52-0282L	ABUT 1	PN	1/2	51	-	-
		ABUT 4	PN	1/2	51	-	-

PN = Paving notch
BW = Backwall

NOTES:

The following notes apply to JOINT SEAL TYPE A:

Install Joint Seal (MR = 1/2 ") or Silicone Joint Seal 3" up into curb or barrier rail on the low side of the deck where deck joint aligns with curb or barrier rail joint.

For details not shown see B6-21 sheet.

The following notes apply to JOINT SEAL TYPE B:

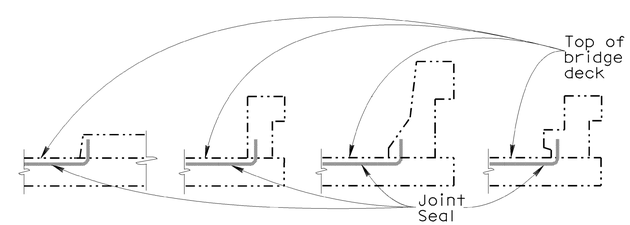
1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.

2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be recalculated by the Engineer.

3) W1 shall be the smaller of the values determined as follows:
   A) 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
   B) The width of the seal on the third successive test cycle of the pressure deflection test, when compressed to an average pressure of 3.0 PSI.

4) Bend Type B joint seal 6 inches up into curb or rail on the low side of the deck where deck joint matches curb or rail joint.

For details not shown see B6-21 sheet.



BARRIER RAIL

JOINT SEAL AT LOW SIDE OF DECK

Note: Details shown for illustration purposes only.

For use only where deck joint matches the sidewalk, curb or barrier rail joint.

NOTE:
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	BY	CHECKED
DESIGN	Edward Li	HongTien Tran
DETAILS	Tom Dang	Edward Li
QUANTITIES	Edward Li	HongTien Tran

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
MISCELLANEOUS DETAILS NO. 1

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 11 OF 13

FILE => 07-1w2701.dgn

USERNAME => s129239 DATE PLOTTED => 04-MAR-2013 TIME PLOTTED => 10:28

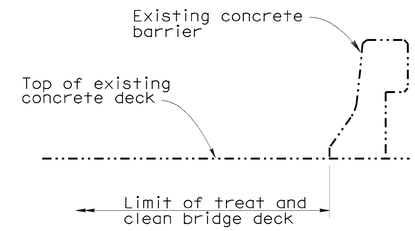
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	33	34

Edward Li 12/14/12
REGISTERED CIVIL ENGINEER DATE

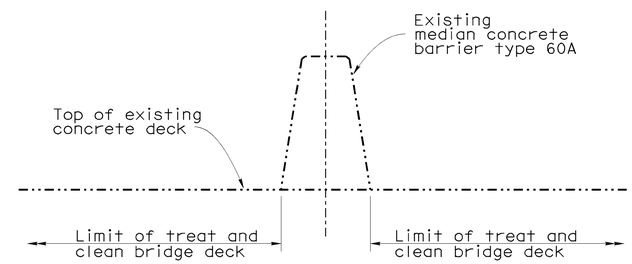
3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER EDWARD GUOJUN LI No. C56706 Exp. 06/30/13 CIVIL STATE OF CALIFORNIA

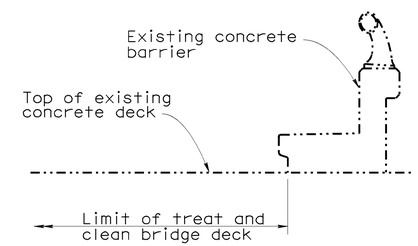
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



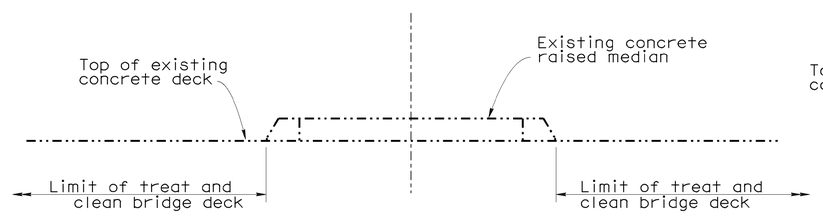
EOD BARRIER



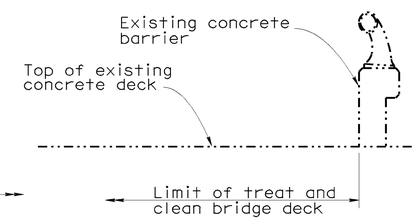
MEDIAN BARRIER



SIDEWALK BARRIER TYPE 2



RAISED MEDIAN



SIDEWALK BARRIER TYPE 1

TYPICAL LIMITS OF DECK WORK

NO SCALE

NOTE:
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	BY	CHECKED
DESIGN	Edward Li	HongTien Tran
DETAILS	Tom Dang	Edward Li
QUANTITIES	Edward Li	HongTien Tran

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
MISCELLANEOUS DETAILS NO. 2

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 12 OF 13

FILE => 07-1w2701.dgn

USERNAME => s129239 DATE PLOTTED => 06-MAR-2013 TIME PLOTTED => 10:40

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ven	33,101, 118	Var	34	34

REGISTERED CIVIL ENGINEER — DATE 12/14/12

3-11-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — EDWARD GUOJUN LI — No. C56706 — Exp. 06/30/13 — CIVIL — STATE OF CALIFORNIA

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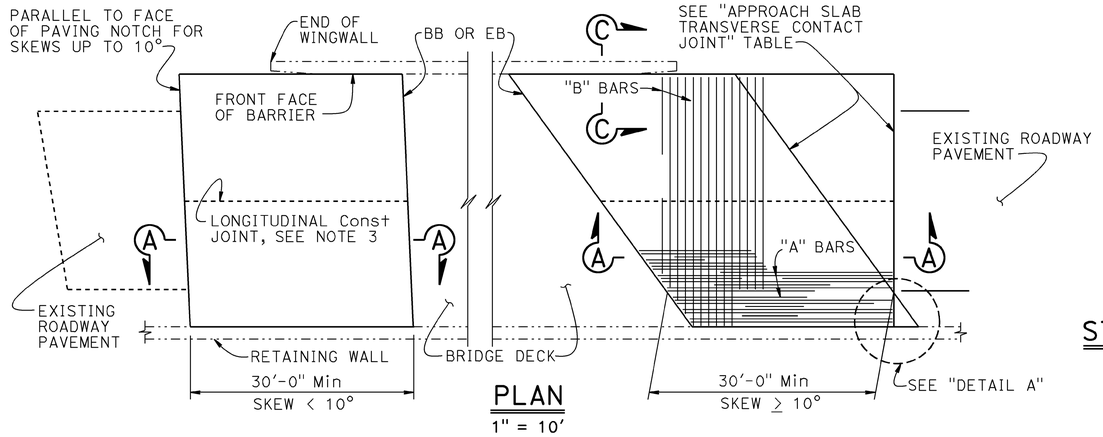
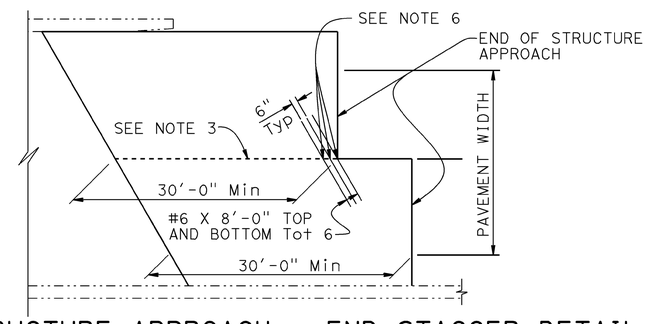
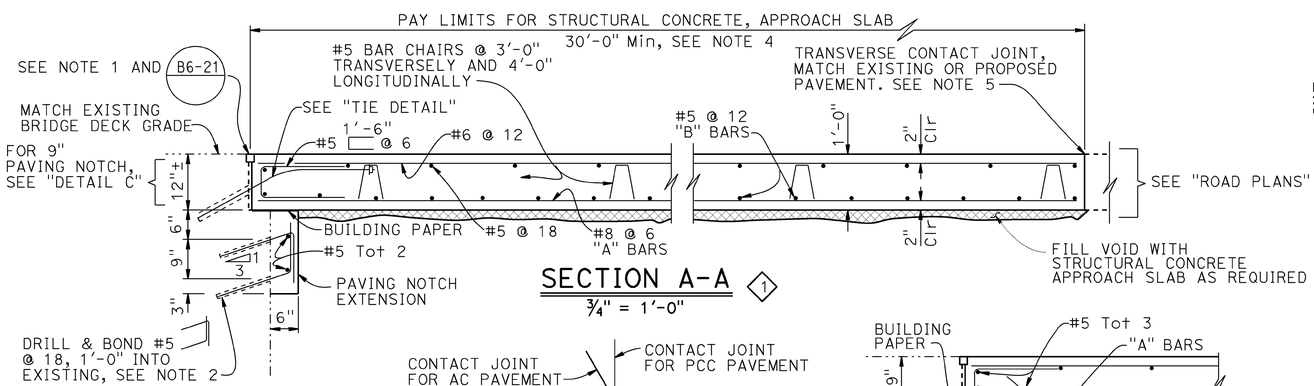


PLAN
1" = 10'

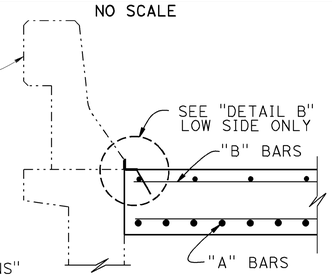


STRUCTURE APPROACH - END STAGGER DETAIL
NO SCALE

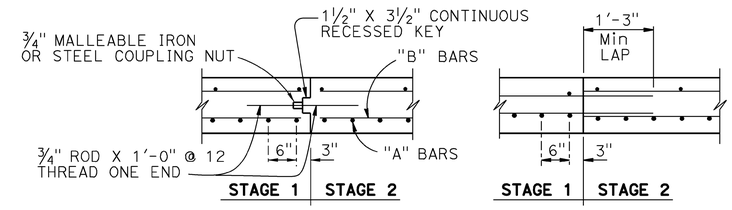
APPROACH SLAB TRANSVERSE CONTACT JOINT		
APPROACH SKEW	WITH AC ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
< 10°	PARALLEL TO FACE OF PN	PARALLEL TO FACE OF PAVING NOTCH
10° - 45°	PARALLEL TO FACE OF PN USE "DETAIL A"	STAGGER LINES 24' TO 36' APART
> 45°	PARALLEL TO FACE OF PN USE "DETAIL A"	STAGGER AT EACH LANE LINE

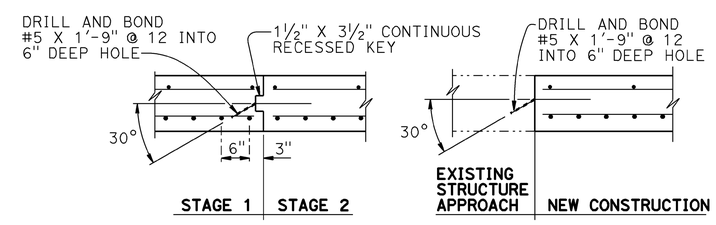


SECTION A-A (1)
¾" = 1'-0"

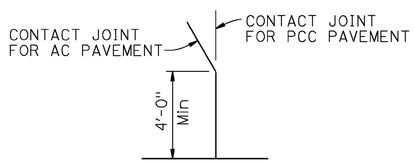


SECTION C-C
¾" = 1'-0"

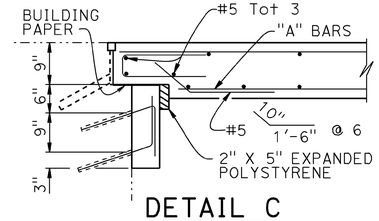




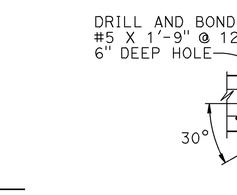
LONGITUDINAL CONSTRUCTION JOINT ALTERNATIVES
¾" = 1'-0"



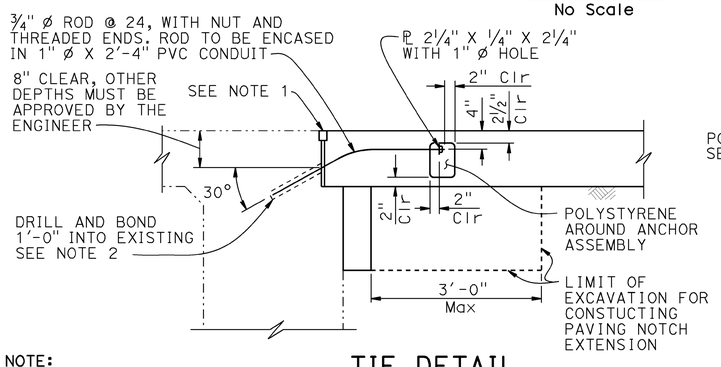
DETAIL A
No Scale



DETAIL C
¾" = 1'-0"



BAR CHAIR DETAIL
1½" = 1'-0"



NOTE:
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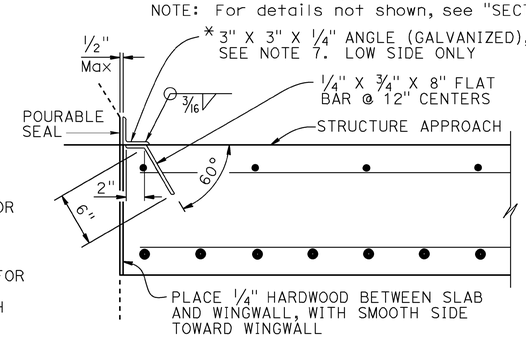
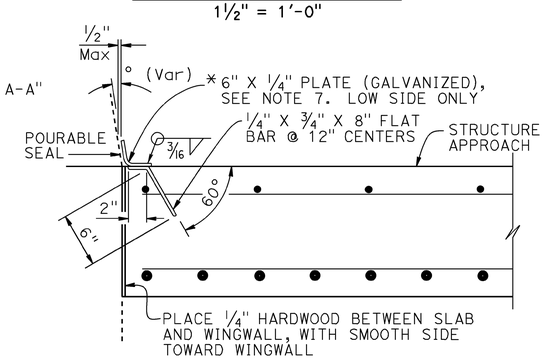
TIE DETAIL
¾" = 1'-0"

NOTE: For details not shown, see "SECTION A-A"



*(TO BE USED WITH CONCRETE BARRIER WITH VERTICAL FACE)

DETAIL B
1½" = 1'-0"



*(TO BE USED WITH CONCRETE BARRIER WITH SLOPING FACE)

NOTES:
1. For details not shown or noted, see Structure Plans. Adjust bar reinforcement to clear a sawcut for sealed joint, when required
2. Space to avoid existing prestress anchorages and main reinforcement
3. Longitudinal construction joints, when permitted by the Engineer, shall be located on lane lines
4. Transverse contact joint shall be a minimum of 5'-0" from an existing or constructed weakened plane joint
5. For transverse contact joint with new PCC paving. refer to Standard Plan P10
6. Couplers are required for stage construction
7. End angle or plate at beginning of barrier transition, end of wingwall or end of structure approach as applicable

STANDARD DRAWING
FILE NO. xs3-150 — APPROVAL DATE July 2011

(1) REVISED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE NO. Various
POST MILE Varies

ROUTE 33,101,118 BRIDGES
STRUCTURE APPROACH TYPE R(30D)

DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. (02-02-11)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3489
PROJECT NUMBER & PHASE: 0700021227
CONTRACT NO.: 07-1W2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 13 OF 13

FILE => 07-1w2701.dgn

USERNAME => s129239 DATE PLOTTED => 04-MAR-2013 TIME PLOTTED => 10:29