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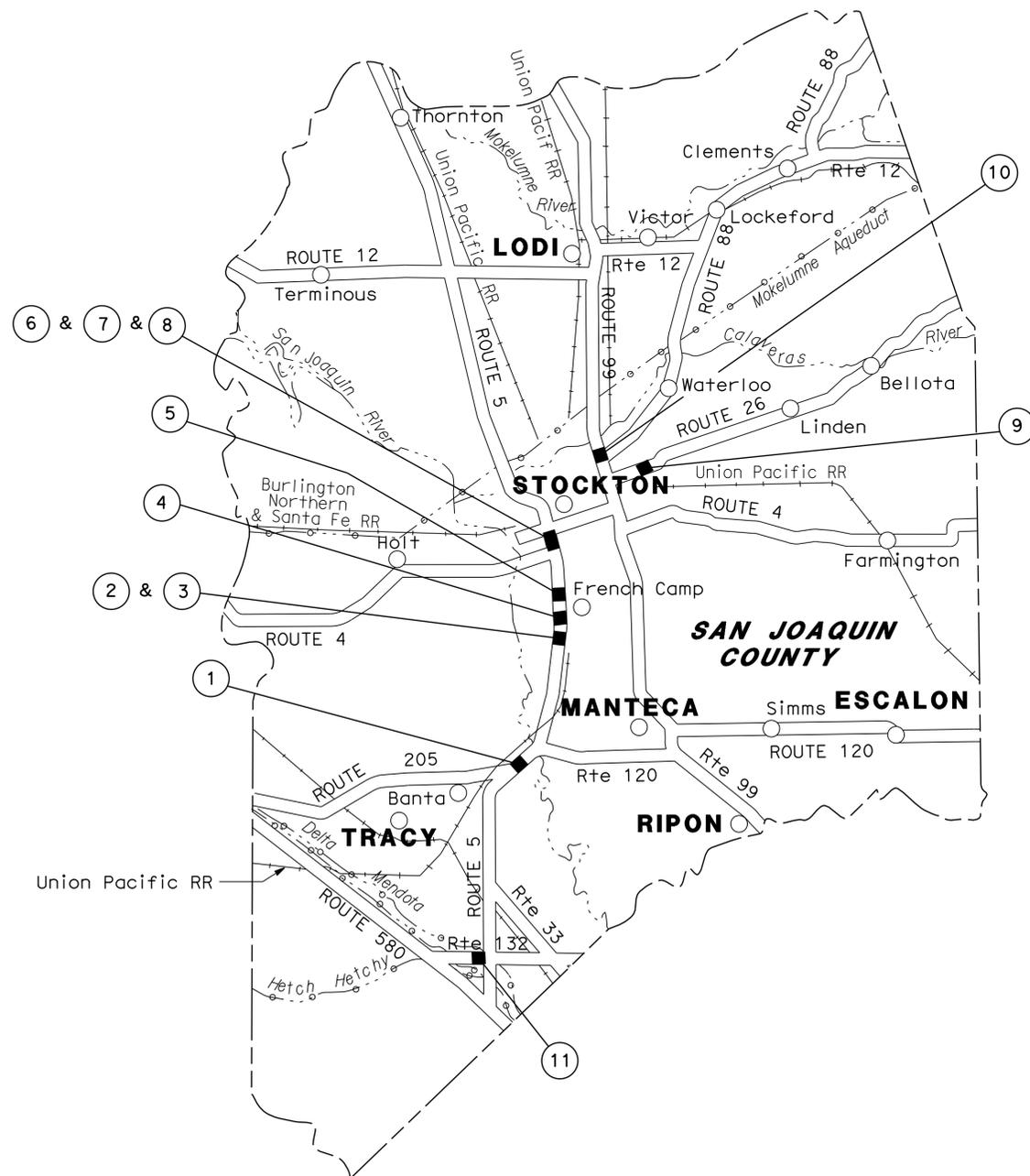
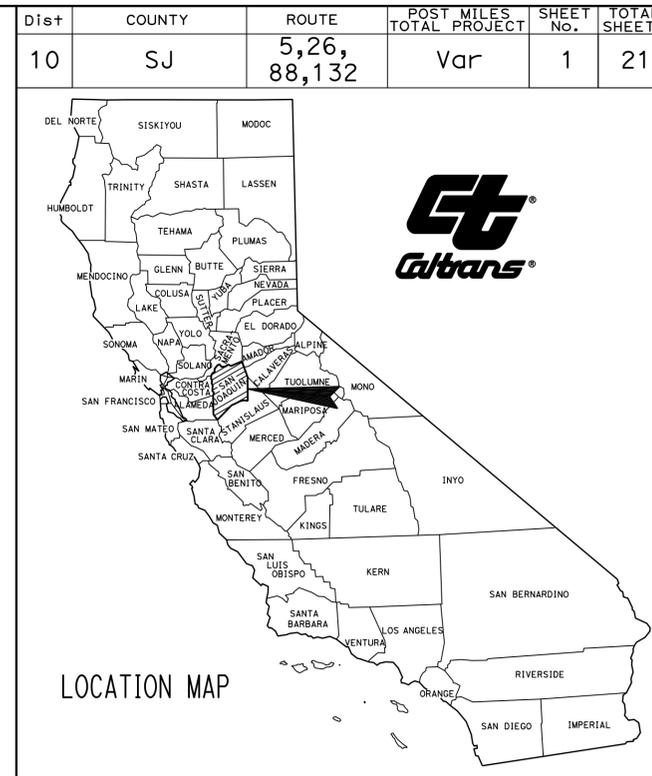
STRUCTURE PLANS
13-21 VARIOUS BRIDGES

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SAN JOAQUIN COUNTY
AT VARIOUS LOCATIONS**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



LOCATIONS OF CONSTRUCTION

Loc No.	ROUTE	PM	STRUCTURE NAME	BRIDGE No.
1		R13.87	PARADISE CUT OVERFLOW	29-0029R
2		R19.58	ROTH ROAD UC	29-0216L
3		R19.58	ROTH ROAD UC	29-0216R
4	5	R21.44	MATHEWS ROAD UC	29-0218L
5		R23.93	WALKER SLOUGH	29-0223R
6		25.78	TAYLOR STREET OH	29-0230L
7		25.87	ROUTE 5-4 CONNECTOR VIADUCT	29-0233H
8		26.12	ROUTE 5/4 Sep	29-0232L
9	26	1.9	STOCKTON DIVERTING CANAL	29-0040
10	88	0.01	ROUTE 88/99 Sep	29-0143
11	132	3.22	DELTA MENDOTA CANAL (132E-5S)	29-0313G

PROJECT MANAGER
ALVIN MANGINDIN

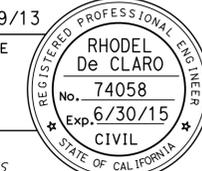
DESIGN ENGINEER
ALVIN MANGINDIN

Rhodel DeClaro 12/19/13
PROJECT ENGINEER DATE

REGISTERED CIVIL ENGINEER

January 27, 2014
PLANS APPROVAL DATE

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



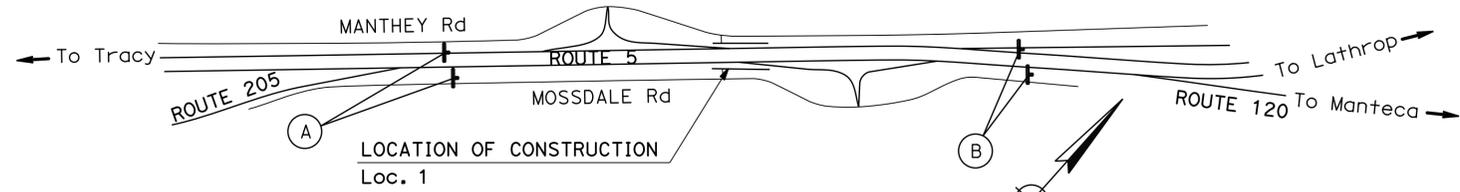
THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	2	21

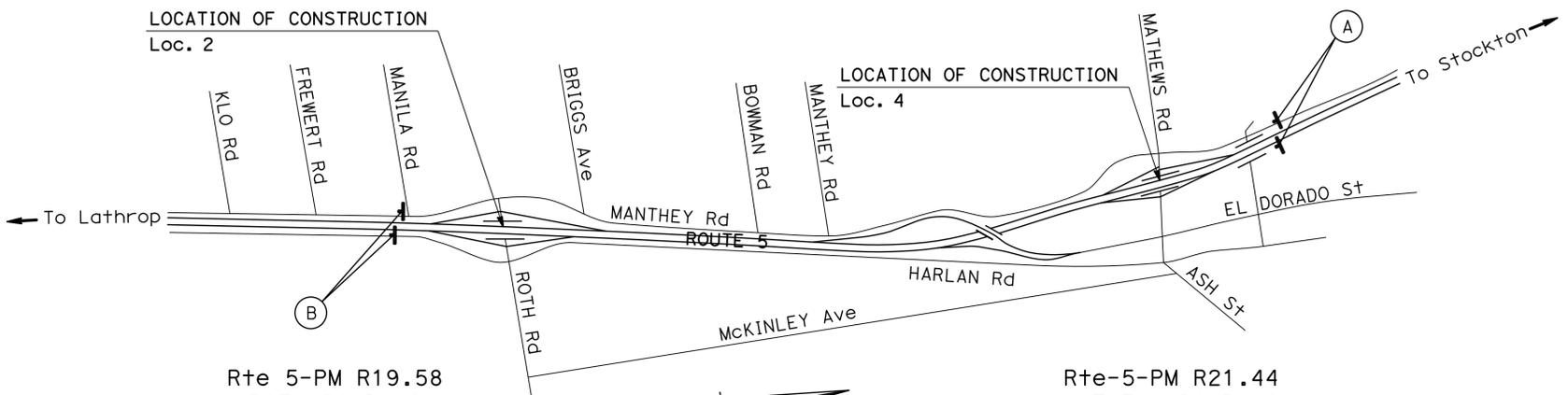
Rhodel DeClaro 12/19/13
 REGISTERED CIVIL ENGINEER DATE
 01-27-14
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
RHODEL De CLARO
 No. 74058
 Exp 6/30/15
 CIVIL
 STATE OF CALIFORNIA



Rte-5-PM R13.87
PARADISE CUT OVERFLOW
Br No. 29-0029R

LOCATION 1

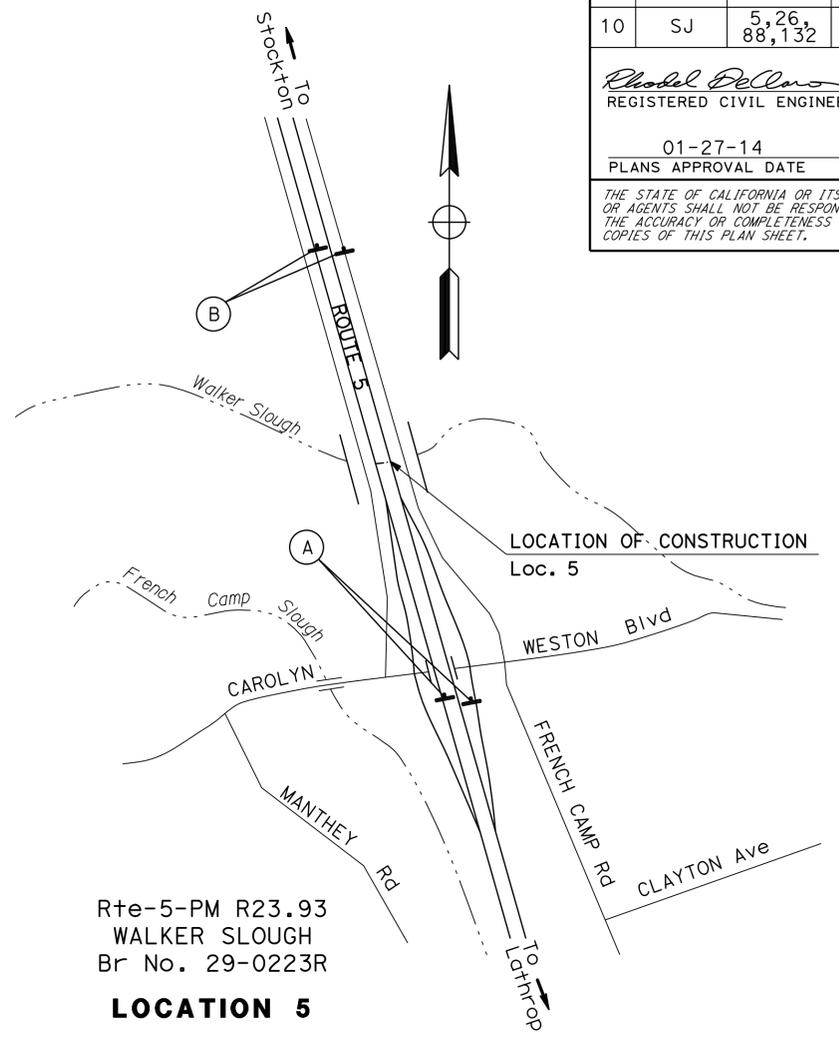


Rte 5-PM R19.58
ROTH ROAD UC
Br No. 29-0216L

LOCATION 2

Rte-5-PM R21.44
MATHews ROAD UC
Br No. 29-0218L

LOCATION 4



Rte-5-PM R23.93
WALKER SLOUGH
Br No. 29-0223R

LOCATION 5

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

LOCATION No.	ROUTE	PM	BRIDGE NAME	BRIDGE No.	SIGN CODE		PANEL SIZE	No. OF POSTS AND SIZE	No. OF SIGNS	SIGN MESSAGE	SIGN No.
					FEDERAL	CALIFORNIA					
1		R13.87	PARADISE CUT OVERFLOW	29-0029R	W20-1		48" x 48"	1 - 6" x 6"	2	ROAD WORK AHEAD	(A)
					G20-2		36" x 18"	1 - 4" x 4"	2	END ROAD WORK	(B)
2		R19.58	ROTH ROAD UC	29-0216L	G20-2		36" x 18"	1 - 4" x 4"	2	END ROAD WORK	(B)
4	5	R21.44	MATHews ROAD UC	29-0218L	W20-1		48" x 48"	1 - 6" x 6"	2	ROAD WORK AHEAD	(A)
5		R23.93	WALKER SLOUGH	29-0223R	W20-1		48" x 48"	1 - 6" x 6"	3	ROAD WORK AHEAD	(A)
			G20-2		36" x 18"	1 - 4" x 4"	2	END ROAD WORK	(B)		
6		25.78	TAYLOR STREET OH	29-0230L	W20-1		48" x 48"	1 - 6" x 6"	5	ROAD WORK AHEAD	(A)
					G20-2		36" x 18"	1 - 4" x 4"	2	END ROAD WORK	(B)
9	26	1.9	STOCKTON DIVERTING CANAL	29-0040	W20-1		36" x 36"	1 - 4" x 6"	4	ROAD WORK AHEAD	(C)
					G20-2		36" x 18"	1 - 4" x 4"	2	END ROAD WORK	(B)

NOTES: 1. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. SEE TRAFFIC HANDLING PLANS FOR MORE CONSTRUCTION AREA SIGNS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE
 FUNCTIONAL SUPERVISOR ALVIN MANGINDIN
 CALCULATED/DESIGNED BY
 CHECKED BY
 RHODEL DE CLARO JOSE A ALICEA II
 REVISED BY DATE REVISED
 RDC 12/19/13
 USERNAME => s123936
 DGN FILE => a0x7801a001.dgn

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS
NO SCALE
CS-1

LAST REVISION DATE PLOTTED => 07-MAR-2014
 00-00-00 TIME PLOTTED => 10:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	3	21

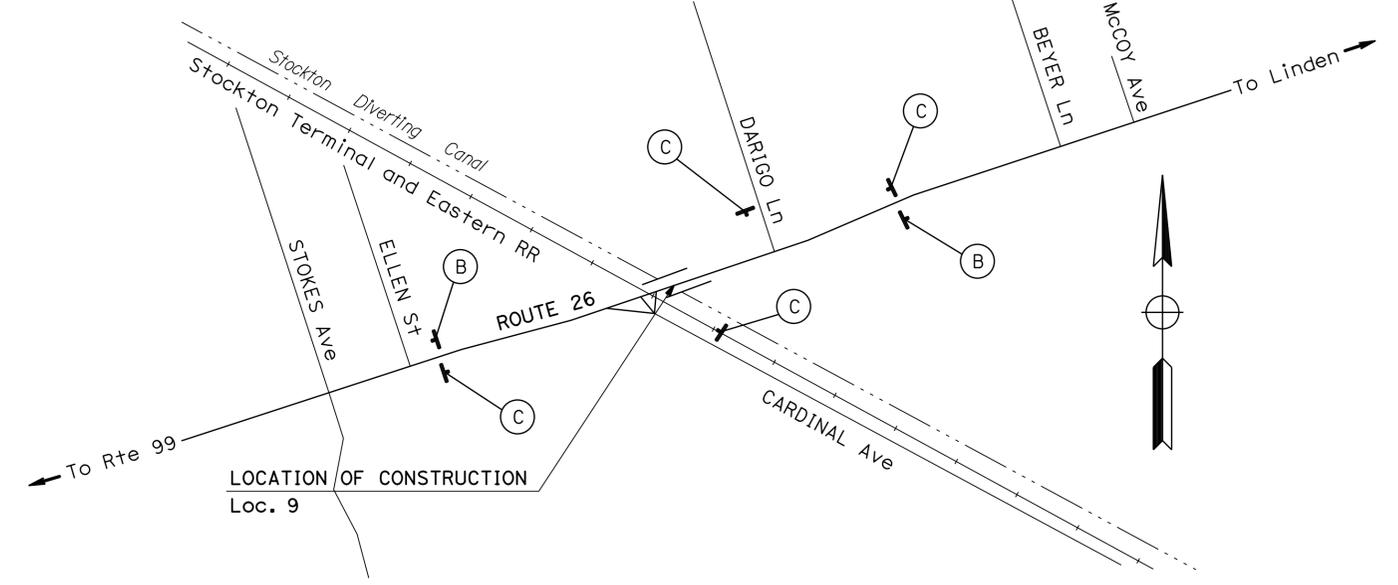
Rhodel DeClaro 12/19/13
 REGISTERED CIVIL ENGINEER DATE
 01-27-14
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	RHODEL DE CLARO	REVISOR	DATE
Caltrans MAINTENANCE	ALVIN MANGINDIN	CHECKED BY	JOSE A ALICEA II	RDC	12/19/13



LOCATION OF CONSTRUCTION
Loc. 6

Rte-5-PM 25.78
TAYLOR STREET OH
Br No. 29-0230L
LOCATION 6



LOCATION OF CONSTRUCTION
Loc. 9

Rte-26-PM 1.9
STOCKTON DIVERTING CANAL
Br No. 29-0040
LOCATION 9

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

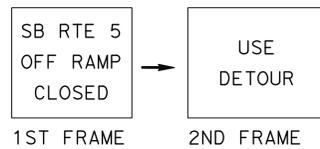
CONSTRUCTION AREA SIGNS
NO SCALE
CS-2

**STATIONARY MOUNTED
CONSTRUCTION AREA SIGNS**

SIGN No.	SIGN CODE		PANEL SIZE	No. OF SIGNS	No. OF POSTS AND SIZE	SIGN MESSAGE
	FEDERAL	CALIFORNIA				
①	M4-8		24" x 12"	3	1 - 4" x 4"	"DETOUR"
		G28-2	18" x 18"			"5" (ROUTE MARKER)
	M3-4		24" x 18"			"SOUTH"
②	M4-10 (L+)		48" x 18"	2	1 - 4" x 4"	"DETOUR (ARROW)"
③	M4-10 (R+)		48" x 18"	2	1 - 4" x 4"	"DETOUR (ARROW)"
④	W20-2		48" x 48"	2	1 - 4" x 6"	DETOUR AHEAD
⑤	M4-8c		24" x 12"	1	1 - 4" x 4"	"END DETOUR"

NOTES:

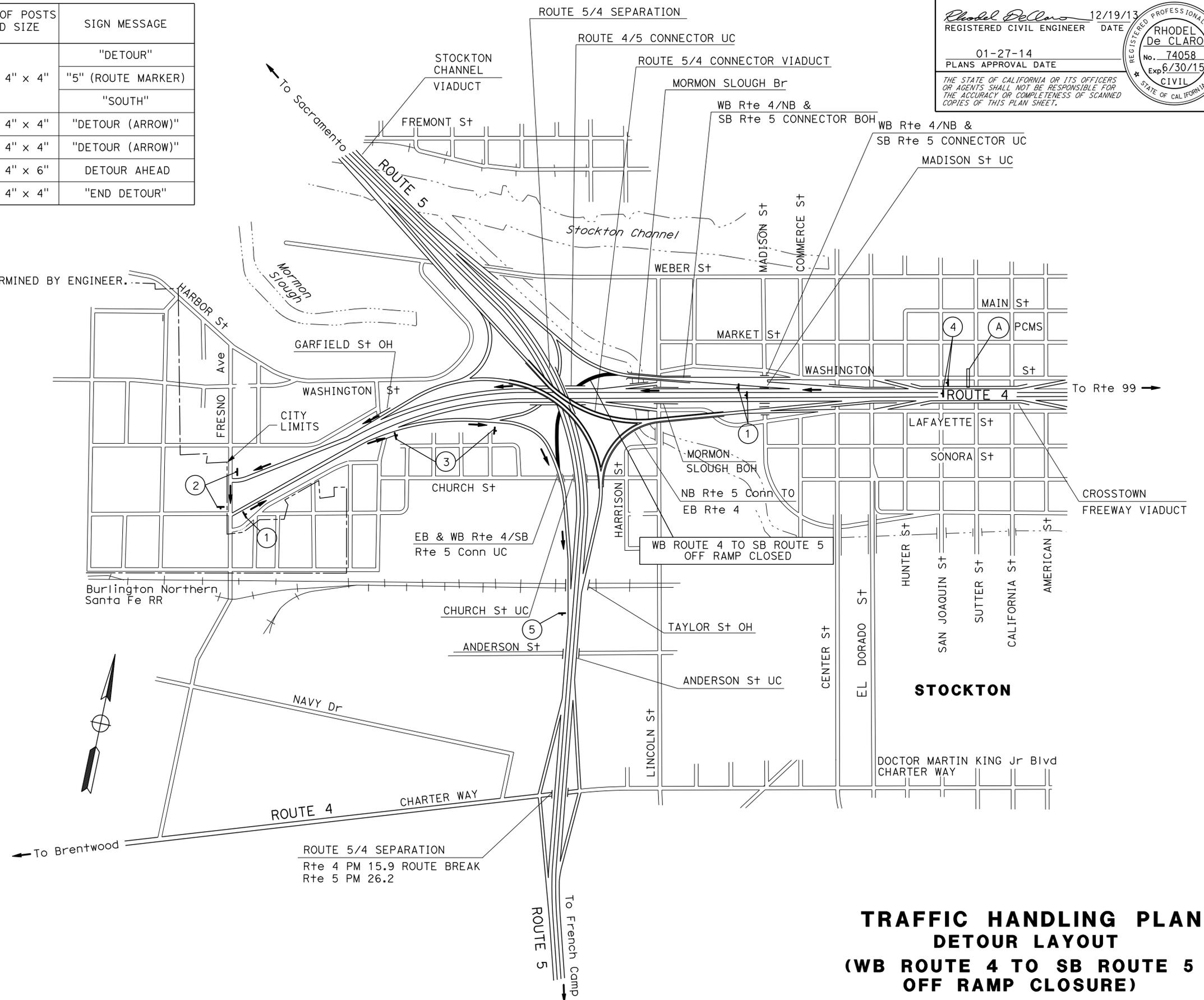
1. EXACT CONSTRUCTION AREA SIGN LOCATIONS TO BE DETERMINED BY ENGINEER.
2. WHEN DETOUR IS NOT IN USE, COVER ALL CONSTRUCTION AREA SIGNS (TRAFFIC HANDLING) EXCEPT SC6-4.
3. COVER ALL CONFLICTING ROADSIDE SIGNS.
4. * ADVANCED SPECIAL MESSAGE ADVISORY SIGN.
5. DURING THE ROUTE 4 CLOSURE, THE PCMS MESSAGE AT (A) SHOULD READ:



6. SEE CONSTRUCTION AREA SIGNS PLAN FOR MORE CONSTRUCTION AREA SIGNS.

TRAFFIC DETOUR PLAN

1. WB ROUTE 4 TO SB ROUTE 5 OFF-RAMP TO EL DORADO STREET CLOSED
2. CONTINUE WB ROUTE 4 TO FRESNO AVENUE
3. TAKE FRESNO AVENUE OFF-RAMP
4. TURN LEFT ON FRESNO AVENUE
5. TURN EB ROUTE 4 ON-RAMP
6. TAKE SB ROUTE 5 ON-RAMP



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	4	21

Rhodel DeClaro 12/19/13
REGISTERED CIVIL ENGINEER DATE

01-27-14
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
RHODEL De CLARO
No. 74058
Exp. 6/30/15
CIVIL
STATE OF CALIFORNIA

**TRAFFIC HANDLING PLAN
DETOUR LAYOUT
(WB ROUTE 4 TO SB ROUTE 5
OFF RAMP CLOSURE)**

NO SCALE **TH-1**

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE

FUNCTIONAL SUPERVISOR: ALVIN MANGINDIN

REVISOR: RHODEL DE CLARO, JOSE A ALICEA II

REVISIONS: 12/19/13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	5	21

Rhodel DeClaro 12/19/13
 REGISTERED CIVIL ENGINEER DATE

01-27-14
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 RHODEL De CLARO
 No. 74058
 Exp. 6/30/15
 CIVIL
 STATE OF CALIFORNIA

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DIKE ITEMS

Loc	PM	BRIDGE NAME	SIDE	REMOVE AC DIKE	PLACE HMA DIKE (TYPE E)	PLACE HMA DIKE (TYPE F)	MINOR HMA
				LF	LF	LF	TON
1	R13.87	PARADISE CUT OVERFLOW	APPROACH (R+)	25		25	0.5
			DEPARTURE (R+)	15	15		0.5
TOTAL				40	15	25	1

PAVEMENT DELINEATION ITEMS

Loc No.	ROUTE	PM	BRIDGE NAME	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	4" THERMOPLASTIC TRAFFIC STRIPE		4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	8" THERMOPLASTIC TRAFFIC STRIPE	8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	REMOVE THERMOPLASTIC PAVEMENT MARKING	THERMOPLASTIC PAVEMENT MARKING	REMOVE PAVEMENT MARKER	PAVEMENT MARKER (RETROREFLECTIVE)						
						YELLOW		WHITE	WHITE	WHITE	WHITE		WHITE		TYPE III (L) ARROW	TYPE C	TYPE D	TYPE G		TYPE H	
						DETAIL 22	DETAIL 25	DETAIL 27B	DETAIL 8	DETAIL 12	DETAIL 38		DETAIL 37			DETAIL 37	DETAIL 37	DETAIL 22	DETAIL 12	DETAIL 37	DETAIL 38
1	5	R13.87	PARADISE CUT OVERFLOW	40	200		40	40		160				5			4			1	
2		R19.58	ROTH ROAD UC	151	604		151	151		453				37			10			4	
4		R21.44	MATHEWS ROAD UC	118	354		118	118		236				20			5			3	
5		R23.93	WALKER SLOUGH		90			60	30												
6		25.78	TAYLOR STREET OH	141	987		141	141		564		141			57	10		12	4		3
9	26	1.9	STOCKTON DIVERTING CANAL	576	876	576		576			150		42	42		50				7	
SUBTOTAL				1026	3111	576	450	1086	30	1413	150	42	42	176	10	50	31	4	7	13	
TOTAL				1026	3111	2112		30	1413	150	141	42	42	176	115						

**SUMMARY OF QUANTITIES
Q-1**

RDC
 12/19/13

REVISED BY
 DATE REVISED

RHODEL DE CLARO
 JOSE A ALICEA II

CALCULATED-DESIGNED BY
 CHECKED BY

FUNCTIONAL SUPERVISOR
 ALVIN MANGINDIN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26,88,132	Var	6	21

Rhodel De Claro 12/19/13
 REGISTERED CIVIL ENGINEER DATE

01-27-14
 PLANS APPROVAL DATE

RHODEL De CLARO
 No. 74058
 Exp. 6/30/15
 CIVIL
 STATE OF CALIFORNIA

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TRAFFIC MANAGEMENT SYSTEM ELEMENTS (EXISTING)

ROUTE	LOCATION	PM	Dir	LOCATION	TYPE	DESCRIPTION	
5	1	R13.72	SB	SOUTH OF MOSSDALE ROAD	TMS	TRAFFIC MONITORING STATION	
		13.99	NB	SOUTH OF JUNCTION 120	CCTV	CLOSED CIRCUIT TELEVISION	
		13.99	NB	SOUTH OF JUNCTION 120	CMS	CHANGEABLE MESSAGE SIGN	
		R14.02	NB/SB	NORTH OF MOSSDALE ROAD	TMS	TRAFFIC MONITORING STATION	
	2,3		R19.11	SB	NORTH OF LATHROP ROAD	TMS	TRAFFIC MONITORING STATION
			R19.15	SB	SOUTH OF ROTH ROAD	TMS	TRAFFIC MONITORING STATION
			R19.50	NB	SOUTH OF ROTH ROAD UC	TMS	TRAFFIC MONITORING STATION
			R19.66	SB	NORTH OF ROTH ROAD	TMS	TRAFFIC MONITORING STATION
			R19.73		ROTH ROAD	RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
			R20.10	SB	NORTH OF ROTH ROAD	TMS	TRAFFIC MONITORING STATION
			4		R21.23	NB	SOUTH OF MATHEWS ROAD
	R21.41	SB			NORTH OF MATHEWS ROAD	TMS	TRAFFIC MONITORING STATION
	R21.48	NB			MATHEWS ROAD IN MEDIAN	TMS	TRAFFIC MONITORING STATION
	R21.48				MATHEWS ROAD	RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
	5		R23.61	SB	SOUTH OF DOWNING AVENUE UC	TMS	TRAFFIC MONITORING STATION
			R23.64		NB AT DOWNING AVENUE	SIGNAL	SIGNAL
			R23.65		SB AT DOWNING AVENUE	SIGNAL	SIGNAL
			R23.78	NB	NORTH OF FRENCH CAMP SLOUGH	TMS	TRAFFIC MONITORING STATION
			R23.93	SB	SOUTH OF DOWNING AVENUE OFF-RAMP	TMS	TRAFFIC MONITORING STATION
			24.10	NB	NORTH OF DOWNING AVENUE UC	TMS	TRAFFIC MONITORING STATION
	6,7		25.00	NB/SB	SOUTH OF CHARTER WAY	TMS	TRAFFIC MONITORING STATION
			25.29	SB	SOUTH OF CHARTER WAY UC	TMS	TRAFFIC MONITORING STATION
			25.45	NB	NORTH OF CHARTER WAY OFF-RAMP	TMS	TRAFFIC MONITORING STATION
			25.97	NB	CHURCH STREET UC	TMS	TRAFFIC MONITORING STATION
			25.97	NB	CONNECTOR RAMP TO ROUTE 4/OFF-RAMP TO FRESNO AVENUE	TMS	TRAFFIC MONITORING STATION
			25.98	NB	CHURCH STREET	CCTV	CLOSED CIRCUIT TELEVISION
	8		26.47	SB	NORTH OF ROUTE 4	CCTV	CLOSED CIRCUIT TELEVISION
			26.47	NB	STOCKTON CHANNEL VIADUCT	TMS	TRAFFIC MONITORING STATION
26.48			SB	CONNECTOR RAMP TO ROUTE 4	TMS	TRAFFIC MONITORING STATION	
26.49			SB	CONNECTOR RAMP TO ROUTE 4/OFF-RAMP TO FRESNO AVENUE	TMS	TRAFFIC MONITORING STATION	
26	9	1.11	EB/WB	SHAW ROAD	TMS	TRAFFIC MONITORING STATION	
		1.38		ORO AVENUE	SIGNAL	SIGNAL	
		1.81	WB	WEST OF CARDINAL AVENUE	FB	FLASHING BEACON	
		1.88		CARDINAL AVENUE	SIGNAL	SIGNAL	
88	10	0.42	EB/WB	EAST OF WILCOX ROAD	TMS	TRAFFIC MONITORING STATION	

NOTE: TRAFFIC MANAGEMENT SYSTEM ELEMENTS LOCATIONS ARE APPROXIMATE

**SUMMARY OF QUANTITIES
 Q-2**

LAST REVISION DATE PLOTTED => 07-MAR-2014
 00-00-00 TIME PLOTTED => 10:58

	M	
Maint	MAINTENANCE	
Max	MAXIMUM	
MB	METAL BEAM	
MBB	METAL BEAM BARRIER	
MBGR	METAL BEAM GUARD RAILING	
Med	MEDIAN	
MGS	MIDWEST GUARDRAIL SYSTEM	
MH	MANHOLE	
Min	MINIMUM	
Misc	MISCELLANEOUS	
Misc I & S	MISCELLANEOUS IRON AND STEEL	
Mkr	MARKER	
Mod	MODIFIED, MODIFY	
Mon	MONUMENT	
MP	METAL PLATE	
MPGR	METAL PLATE GUARD RAILING	
MR	MOVEMENT RATING	
MSE	MECHANICALLY STABILIZED EMBANKMENT	
Mt	MOUNTAIN, MOUNT	
MtI	MATERIAL	
MVP	MAINTENANCE VEHICLE PULLOUT	
	N	
N	NORTH	
NB	NORTHBOUND	
No.	NUMBER (MUST HAVE PERIOD)	
Nos.	NUMBERS (MUST HAVE PERIOD)	
NPS	NOMINAL PIPE SIZE	
NS	NEAR SIDE	
NSP	NEW STANDARD PLAN	
NTS	NOT TO SCALE	
	O	
Obir	OBLITERATE	
OC	OVERCROSSING	
OD	OUTSIDE DIAMETER	
OF	OUTSIDE FACE	
OG	ORIGINAL GROUND	
OGAC	OPEN GRADED ASPHALT CONCRETE	
OGFC	OPEN GRADED FRICTION COURSE	
OH	OVERHEAD	
OHWM	ORDINARY HIGH WATER MARK	
O-O	OUT TO OUT	
Opp	OPPOSITE	
OSD	OVERSIDE DRAIN	
	P	
p	PAGE	
PAP	PERFORATED ALUMINUM PIPE	
PB	PULL BOX	
PC	POINT OF CURVATURE, PRECAST	
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE	
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN	
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE	
PCVC	POINT OF COMPOUND VERTICAL CURVE	
PEC	PERMIT TO ENTER AND CONSTRUCT	
Ped	PEDESTRIAN	
Ped OC	PEDESTRIAN OVERCROSSING	
Ped UC	PEDESTRIAN UNDERCROSSING	
Perm MtI	PERMEABLE MATERIAL	

	P continued	
PG	PROFILE GRADE	
PI	POINT OF INTERSECTION	
PJP	PARTIAL JOINT PENETRATION	
Pkwy	PARKWAY	
PL, PL	PLATE	
P/L	PROPERTY LINE	
PM	POST MILE, TIME FROM NOON TO MIDNIGHT	
PN	PAVING NOTCH	
POC	POINT OF HORIZONTAL CURVE	
POT	POINT OF TANGENT	
POVC	POINT OF VERTICAL CURVE	
PP	PIPE PILE, PLASTIC PIPE, POWER POLE	
PPL	PREFORMED PERMEABLE LINER	
PPP	PERFORATED PLASTIC PIPE	
PRC	POINT OF REVERSE CURVE	
PRF	PAVEMENT REINFORCING FABRIC	
PRVC	POINT OF REVERSE VERTICAL CURVE	
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES	
PS, P/S	PRESTRESSED	
PSP	PERFORATED STEEL PIPE	
PT	POINT OF TANGENCY	
PVC	POLYVINYL CHLORIDE	
Pvmt	PAVEMENT	
	Q	
Qty	QUANTITY	
	R	
R	RADIUS	
R & D	REMOVE AND DISPOSE	
R & S	REMOVE AND SALVAGE	
R/C	RATE OF CHANGE	
RCA	REINFORCED CONCRETE ARCH	
RCB	REINFORCED CONCRETE BOX	
RCP	REINFORCED CONCRETE PIPE	
RCPA	REINFORCED CONCRETE PIPE ARCH	
Rd	ROAD	
Reinf	REINFORCED, REINFORCEMENT, REINFORCING	
Rel	RELOCATE	
Repl	REPLACEMENT	
Ret	RETAINING	
Rev	REVISED, REVISION	
Rdwy	ROADWAY	
RHMA	RUBBERIZED HOT MIX ASPHALT	
Riv	RIVER	
RM	ROAD-MIXED	
RP	RADIUS POINT, REFERENCE POINT	
RR	RAILROAD	
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN	
Rt	RIGHT	
Rte	ROUTE	
RW	REDWOOD, RETAINING WALL	
R/W	RIGHT OF WAY	
Rwy	RAILWAY	

	S	
S	SOUTH, SUPPLEMENT	
SAE	STRUCTURE APPROACH EMBANKMENT	
Salv	SALVAGE	
SAPP	STRUCTURAL ALUMINUM PLATE PIPE	
SB	SOUTHBOUND	
SC	SAND CUSHION	
SCSP	SLOTTED CORRUGATED STEEL PIPE	
SD	STORM DRAIN	
Sec	SECOND, SECTION	
Sep	SEPARATION	
SG	SUBGRADE	
Shld	SHOULDER	
Sht	SHEET	
Sim	SIMILAR	
SL	STATION LINE	
SM	SELECTED MATERIAL	
Spec	SPECIAL, SPECIFICATIONS	
SPP	SLOTTED PLASTIC PIPE	
SS	SLOPE STAKE	
SSBM	STRAP AND SADDLE BRACKET METHOD	
SSD	STRUCTURAL SECTION DRAIN	
SSPA	STRUCTURAL STEEL PLATE ARCH	
SSPP	STRUCTURAL STEEL PLATE PIPE	
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH	
SSRP	STEEL SPIRAL RIB PIPE	
St	STREET	
Sta	STATION	
STBB	SINGLE THRIE BEAM BARRIER	
Std	STANDARD	
Str	STRUCTURE	
Surf	SURFACING	
SW	SIDEWALK, SOUND WALL	
Swr	SEWER	
Sym	SYMMETRICAL	
S4S	SURFACE 4 SIDES	
	T	
T	SEMI-TANGENT	
Tan	TANGENT	
TBB	THRIE BEAM BARRIER	
Tbr	TIMBER	
TC	TOP OF CURB	
TCB	TRAFFIC CONTROL BOX	
TCE	TEMPORARY CONSTRUCTION EASEMENT	
TeI	TELEPHONE	
Temp	TEMPORARY	
TG	TOP OF GRADE	
Tot	TOTAL	
TP	TELEPHONE POLE	
TPB	TREATED PERMEABLE BASE	
TPM	TREATED PERMEABLE MATERIAL	
Trans	TRANSITION	

	T continued	
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL	
Typ	TYPICAL	U
UC	UNDERCROSSING	
UD	UNDERDRAIN	
UG	UNDERGROUND	
UON	UNLESS OTHERWISE NOTED	
UP	UNDERPASS	V
V	VALVE, DESIGN SPEED	
Var	VARIABLE, VARIES	W
VC	VERTICAL CURVE	
VCP	VITRIFIED CLAY PIPE	
Vert	VERTICAL	
Via	VIADUCT	
Vol	VOLUME	
W	WEST, WIDTH	
WB	WESTBOUND	
WH	WEEP HOLE	
WM	WIRE MESH	
WS	WATER SURFACE	
WSP	WELDED STEEL PIPE	
Wt	WEIGHT	
WV	WATER VALVE	
WW	WINGWALL	
WWLOL	WINGWALL LAYOUT LINE	X
X Sec	CROSS SECTION	
Xing	CROSSING	Y
Yr	YEAR	
Yrs	YEARS	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	7	21

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Grace M. Tsushima
 No. C49814
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 01-27-14

UNIT OF MEASUREMENT SYMBOLS:
Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft ³ , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
Ø	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

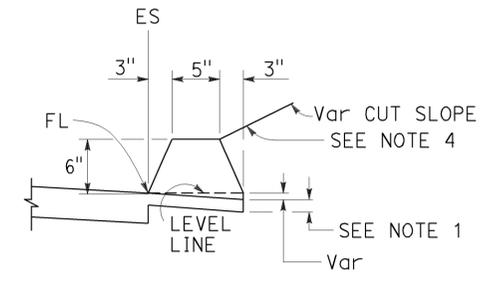
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS
(SHEET 2 OF 2)**

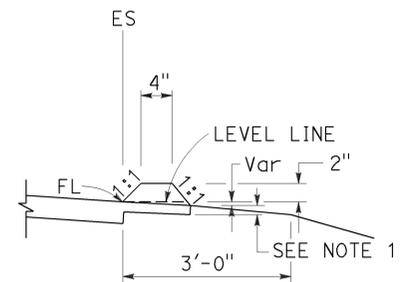
NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

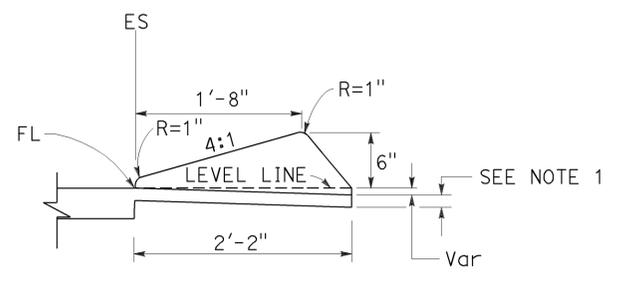
TO ACCOMPANY PLANS DATED 01-27-14



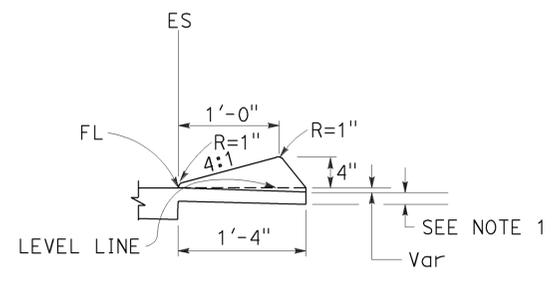
TYPE A
See Note 3



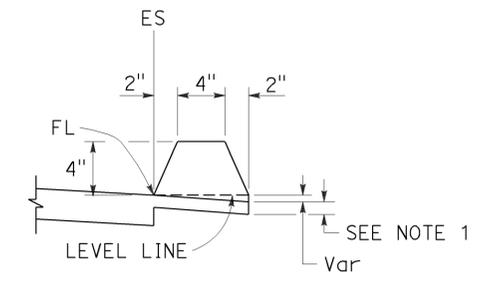
TYPE C



TYPE D

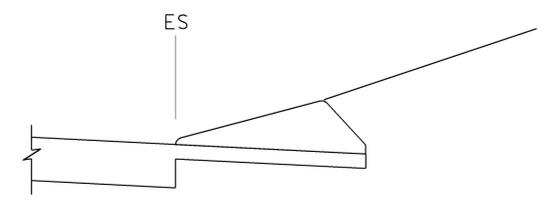


TYPE E

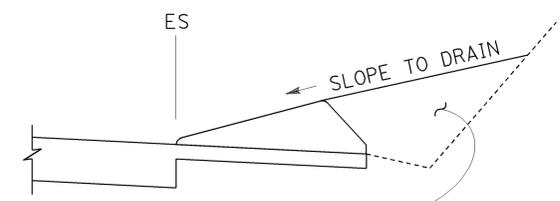


TYPE F
See Note 5

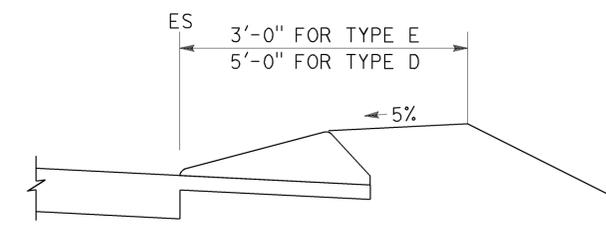
DIKES



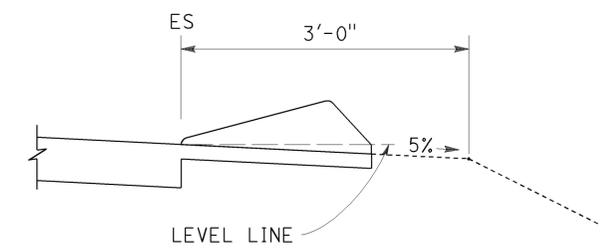
CASE C-1
Cut Slope



CASE C-2
Cut Slope



CASE F



CASE R
See Note 2

TYPE D AND E BACKFILL DETAILS

NOTES:

1. For HMA shoulders only, extend top layer of HMA placed on the shoulder under dike with no joint at the ES. For projects with OGFC shoulders, do not extend OGFC under dike. See project plans for modified dike detail.
2. Case R applies to retrofit only projects where restrictive conditions do not provide enough width for Case F backfill.
3. Type A dike only to be used where restrictive slope conditions do not provide enough width to use Type D or Type E dike.
4. Fill and compact with excavated material to top of dike.
5. Use Type F dike, where dike is required with guard railing installations. See Revised Standard Plan RSP A77N4 for dike positioning details.

DIKE QUANTITIES

TYPE	CUBIC YARDS PER LINEAR FOOT
A	0.0135
C	0.0038
D	0.0293
E	0.0130
F	0.0066

Quantities based on 5% cross slope.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT DIKES

NO SCALE

RSP A87B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A87B DATED MAY 20, 2011 - PAGE 120 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A87B

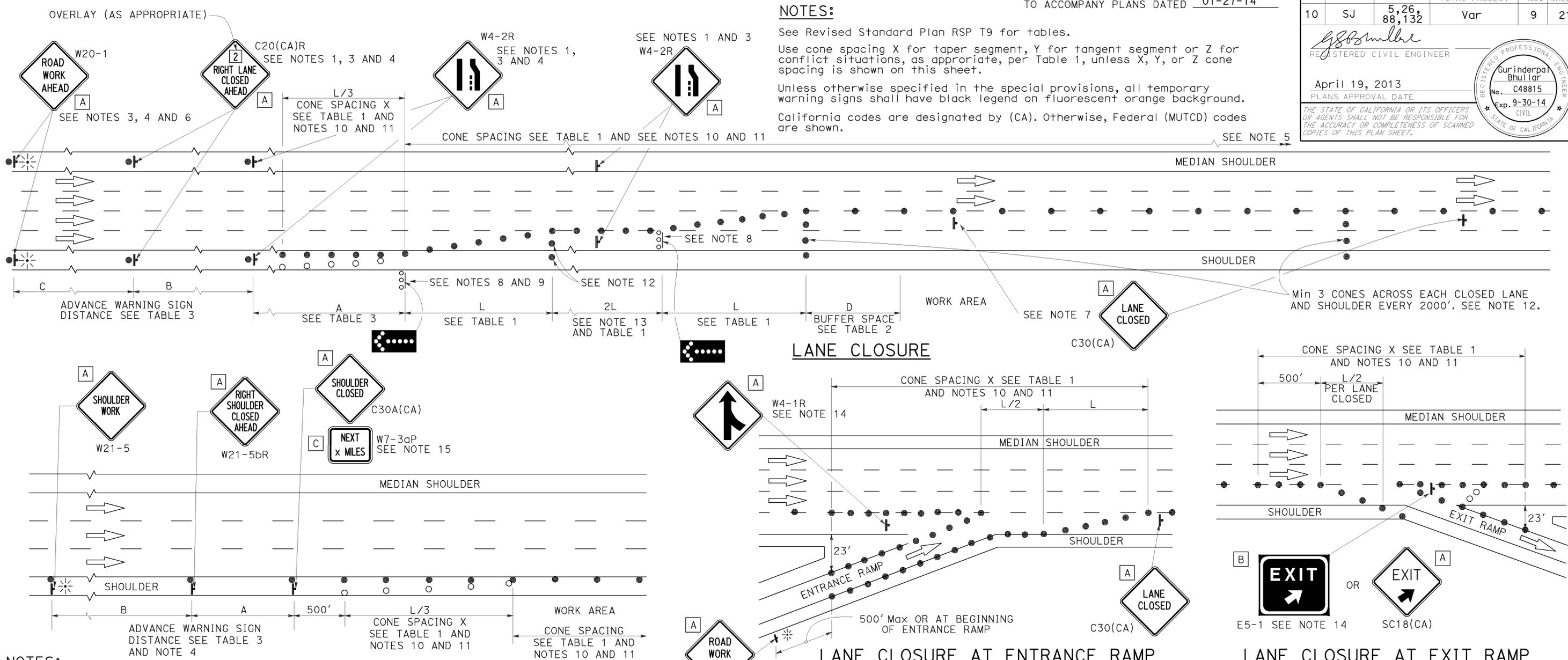
2010 REVISED STANDARD PLAN RSP A87B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	9	21

REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE

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

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NOTES:

See Revised Standard Plan RSP T9 for tables.
 Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
 California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

NOTES:

1. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L 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 G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" 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.

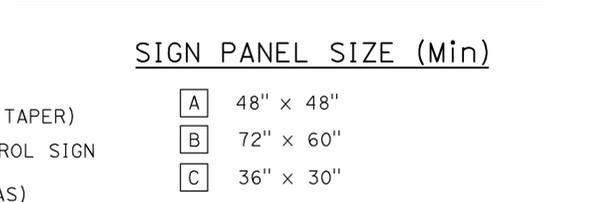
SHOULDER CLOSURE

6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA)L and W4-2L signs shall be used.
7. Place a C30(CA) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
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.

LANE CLOSURE AT ENTRANCE RAMP

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 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
15. A W7-3aP "NEXT _____ MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.

LANE CLOSURE AT EXIT RAMP



LEGEND

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

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 72" x 60"
- C 36" x 30"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 FREEWAYS AND EXPRESSWAYS**
 NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10
 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10

2010 REVISED STANDARD PLAN RSP T10

LEGEND

- TRAFFIC CONE
- ⌋ TEMPORARY TRAFFIC CONTROL SIGN
- ⬢ FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- ☀ PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 24" x 24"
- C 36" x 18"

NOTES:

See Revised Standard Plan RSP T9 for tables.

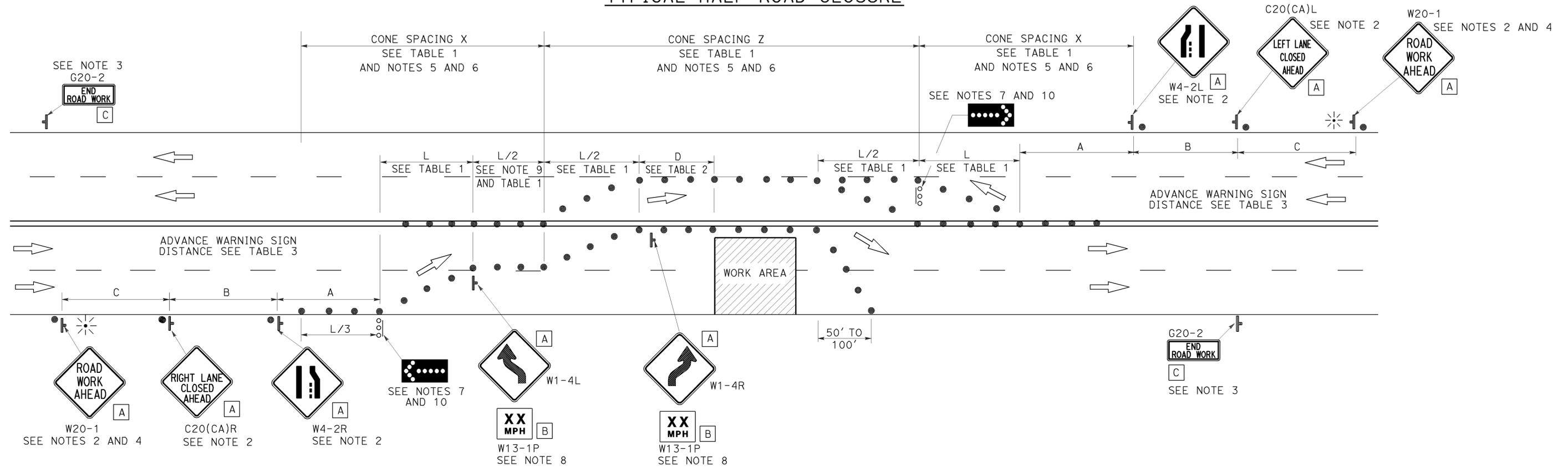
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

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

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

TO ACCOMPANY PLANS DATED 01-27-14

TYPICAL HALF ROAD CLOSURE



NOTES:

1. 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.
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 G20-2 "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 G20-1 "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 signs shall be either Type I or Type II.
8. Advisory speed will be determined by the Engineer. The W13-1P Plaque will not be required when advisory speed is more than the posted or maximum speed limit.
9. Unless otherwise specified in the special provisions, the tangent (L/2) shall be used.
10. 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.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
FOR HALF ROAD CLOSURE ON
MULTILANE CONVENTIONAL
HIGHWAYS AND EXPRESSWAYS**

NO SCALE

RSP T12 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T12
DATED MAY 20, 2011 - PAGE 240 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T12

2010 REVISED STANDARD PLAN RSP T12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	11	21

Registered Civil Engineer
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

April 19, 2013
 PLANS APPROVAL DATE

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NOTES:

See Revised Standard Plan RSP T9 for tables.

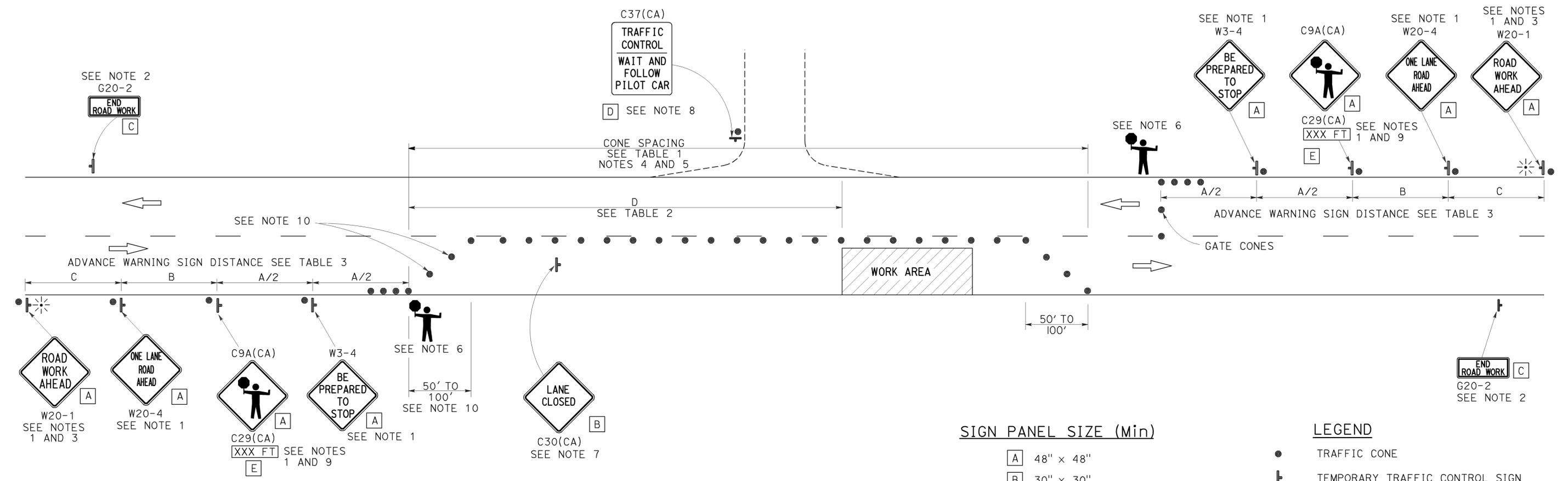
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

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

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

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL

TO ACCOMPANY PLANS DATED 01-27-14



NOTES:

- 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.
- A G20-2 "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.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a W20-4 sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- 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.
- 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.
- When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within traffic control area. Signs shall be clean and visible at all times. Where traffic can not be effectively self-regulated, at least one flagger shall be used at each intersection within traffic control area.
- An optional C29(CA) sign may be placed below the C9A(CA) sign.
- Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 30" x 30"
- C 36" x 18"
- D 36" x 42"
- E 20" x 7"

LEGEND

- TRAFFIC CONE
- † TEMPORARY TRAFFIC CONTROL SIGN
- ☼ PORTABLE FLASHING BEACON
- 👤 FLAGGER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
FOR LANE CLOSURE ON
TWO LANE CONVENTIONAL
HIGHWAYS**

NO SCALE

RSP T13 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T13
DATED MAY 20, 2011 - PAGE 241 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T13

2010 REVISED STANDARD PLAN RSP T13

TYPICAL RAMP CLOSURES

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 30"
- C 36" x 36"
- D 48" x 36"

LEGEND

- TRAFFIC CONE
- † TEMPORARY TRAFFIC CONTROL SIGN
- ‡ BARRICADES
- ⚡ PORTABLE FLASHING BEACON

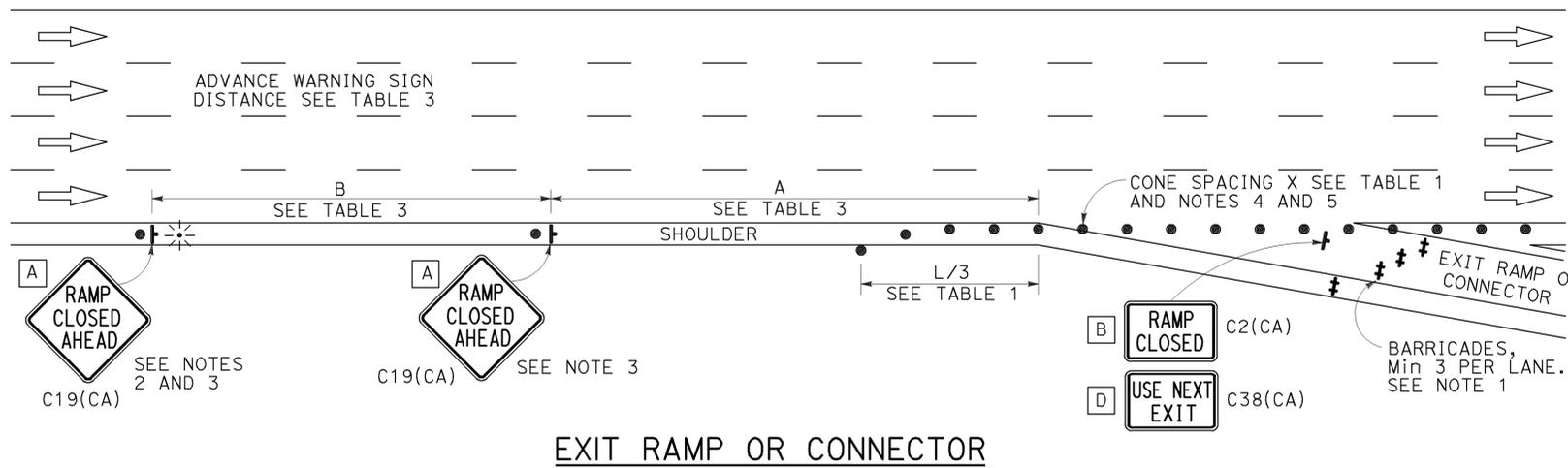
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	12	21

Gurinderpal Bhullar
 REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE

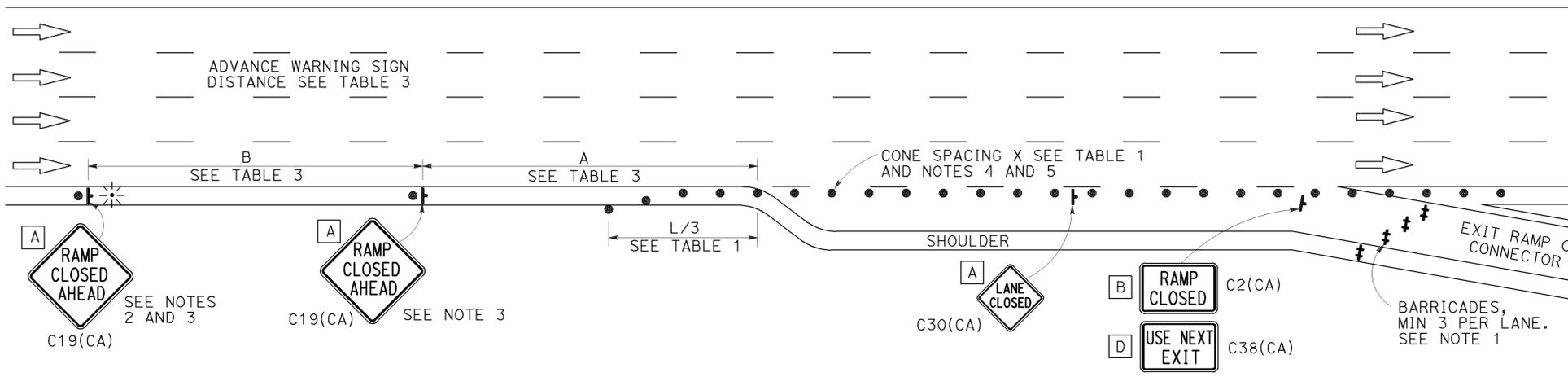
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TO ACCOMPANY PLANS DATED 01-27-14

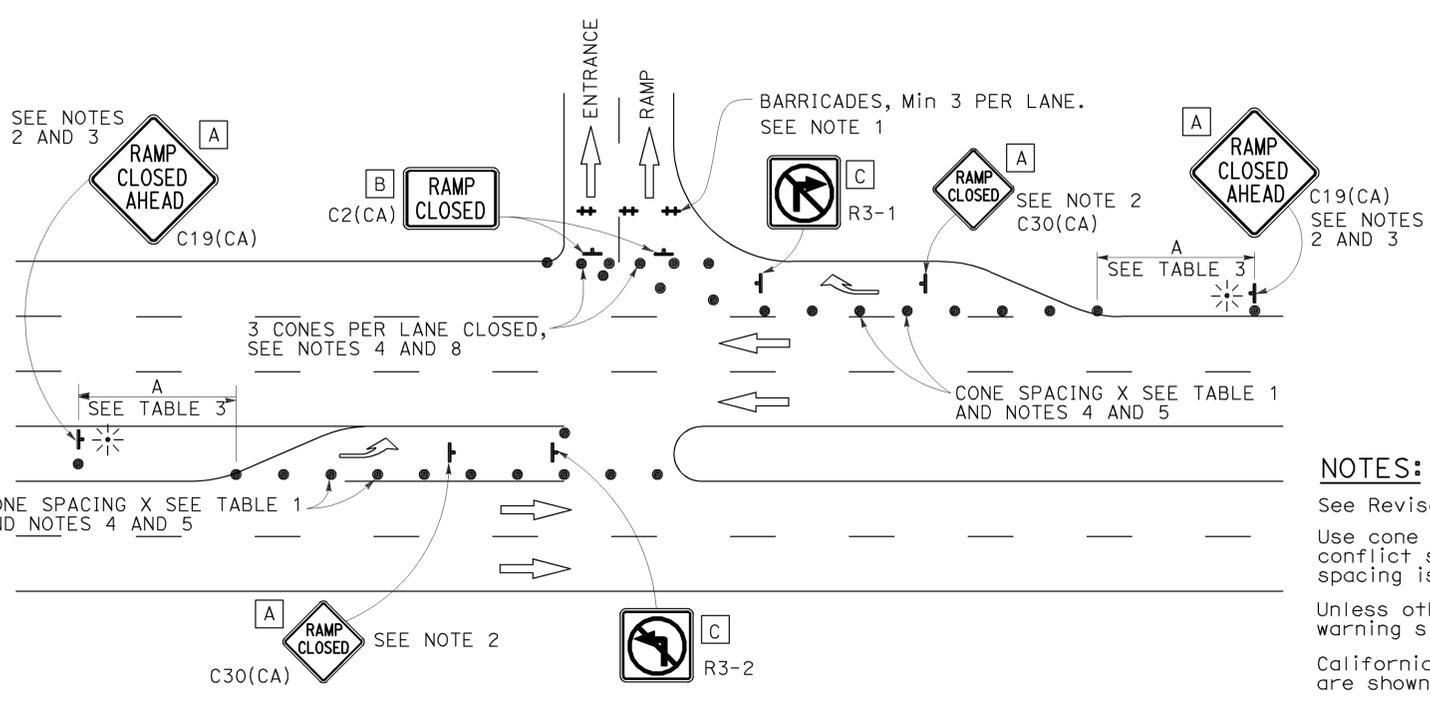
2010 REVISED STANDARD PLAN RSP T14



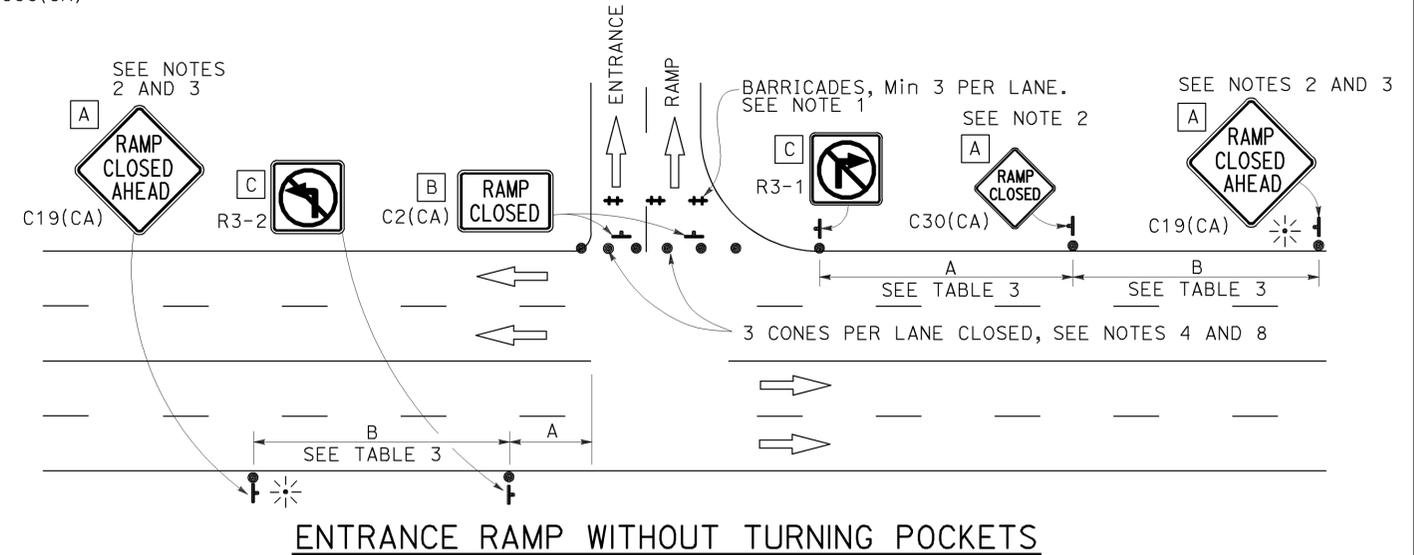
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

NOTES:

1. See Revised Standard Plan RSP T9 for tables.
2. Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
3. Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
4. California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

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. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
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" signs shall be covered during ramp closures.
8. A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR RAMP CLOSURE**
 NO SCALE

RSP T14 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T14
 DATED MAY 20, 2011 - PAGE 242 OF THE STANDARD PLANS BOOK DATED 2010.
REVISED STANDARD PLAN RSP T14

STANDARD PLANS DATED MAY 2010

SHEET NO. A10A
RSP A10B
B6-21

TITLE
ABBREVIATIONS (SHEET 1 OF 2)
ABBREVIATIONS (SHEET 2 OF 2)
JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

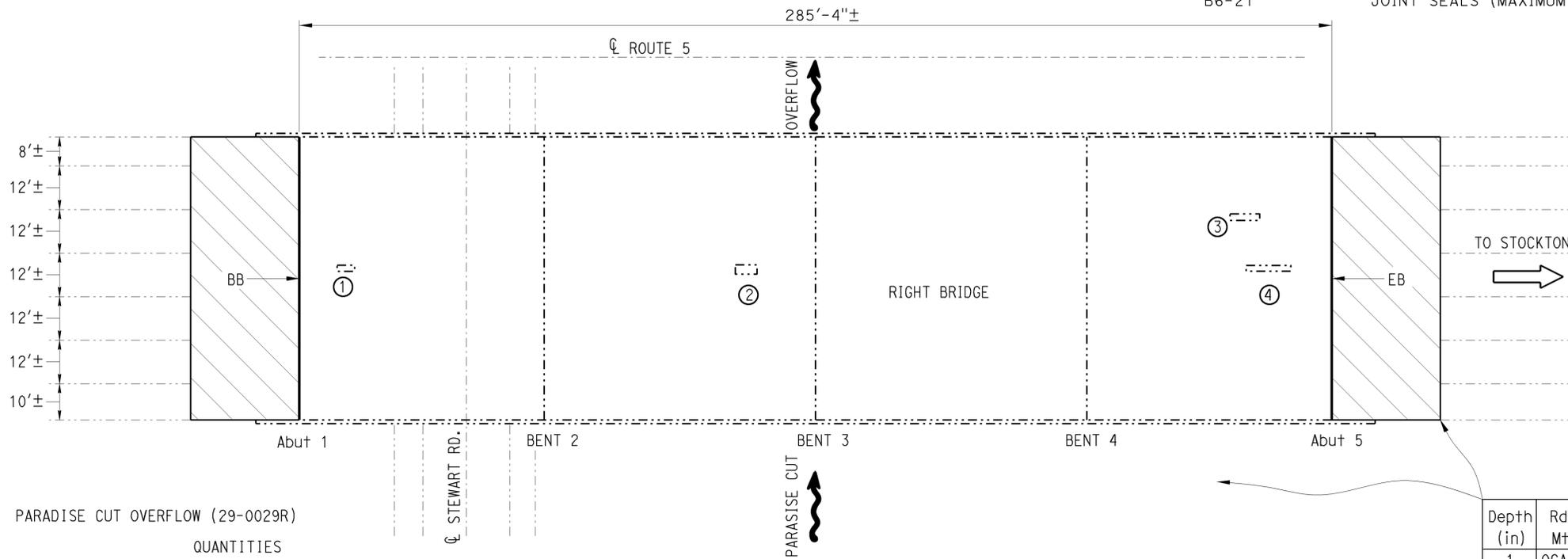
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	13	21

REGISTERED CIVIL ENGINEER *Quang M. Vo* 12-9-13 DATE

PLANS APPROVAL DATE 1-27-14

Quang M. Vo
No. C 055211
Exp. 6-30-14
CIVIL
STATE OF CALIFORNIA

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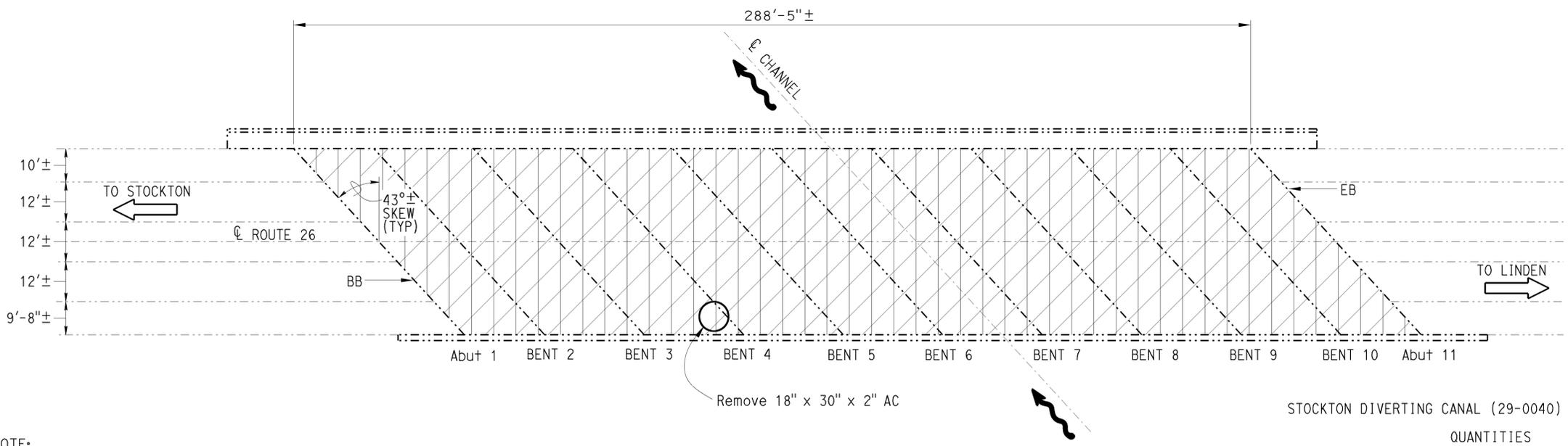
- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates existing
 - Indicates location of remove existing joint seal, clean expansion joint, and install new joint seal.
 - [Hatched Box] Indicates limits of prepare concrete bridge deck and treat bridge deck with high molecular weight methacrylate.
 - [Diagonal Hatched Box] Indicates remove existing approach slab and replace with Type R(30D) approach slab. For details, see "STRUCTURE APPROACH TYPE R(30D)" sheet.
 - [Vertical Line Box] Indicates remove existing chip seal approximate thickness 1/2" ±.
 - ①②③④ Indicates approximate location remove unsound concrete and repair with rapid setting concrete patch.

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	6	CF
REMOVE UNSOUND CONCRETE	6	CF
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	269	CY
PAVING NOTCH EXTENSION	117	CF
JOINT SEAL (MR 1/2")	157	LF

Depth (in)	Rdwy Mtl
1	OGAC
---	PRF
1-1/4	AC
7-3/4	PCC
5-1/2	CTB

Location #	Dimensions (in)
①	12 x 24 x 3
②	24 x 36 x 3
③	16 x 48 x 3
④	16 x 72 x 3



NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

STOCKTON DIVERTING CANAL
BR NO. 29-0040, ROUTE 26, PM 1.9
1"=20'

QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	16,055 SQFT
TREAT BRIDGE DECK	16,055 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	178 GAL
REMOVE CHIP SEAL	16,055 SQFT

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	DETAILS
8	JOINT SEAL DETAILS
9	STRUCTURE APPROACH TYPE R(30D)

 DESIGN ENGINEER 10-29-13	DESIGN	BY Q. Vo	CHECKED P. KANG	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	ROUTE 5,26,88 AND 132 BRIDGES GENERAL PLAN NO.1	
	DETAILS	BY N. Kelley	CHECKED P. KANG	LAYOUT	BY N. Kelley		DIVISION OF MAINTENANCE		Varies
	QUANTITIES	BY Q. Vo	CHECKED P. KANG	SPECIFICATIONS	BY K. MEIER		PLANS AND SPECS COMPARED K. MEIER		STRUCTURE MAINTENANCE DESIGN

UNIT: 3488
PROJECT NUMBER & PHASE: 1013000025
CONTRACT NO.: 10-0X7801

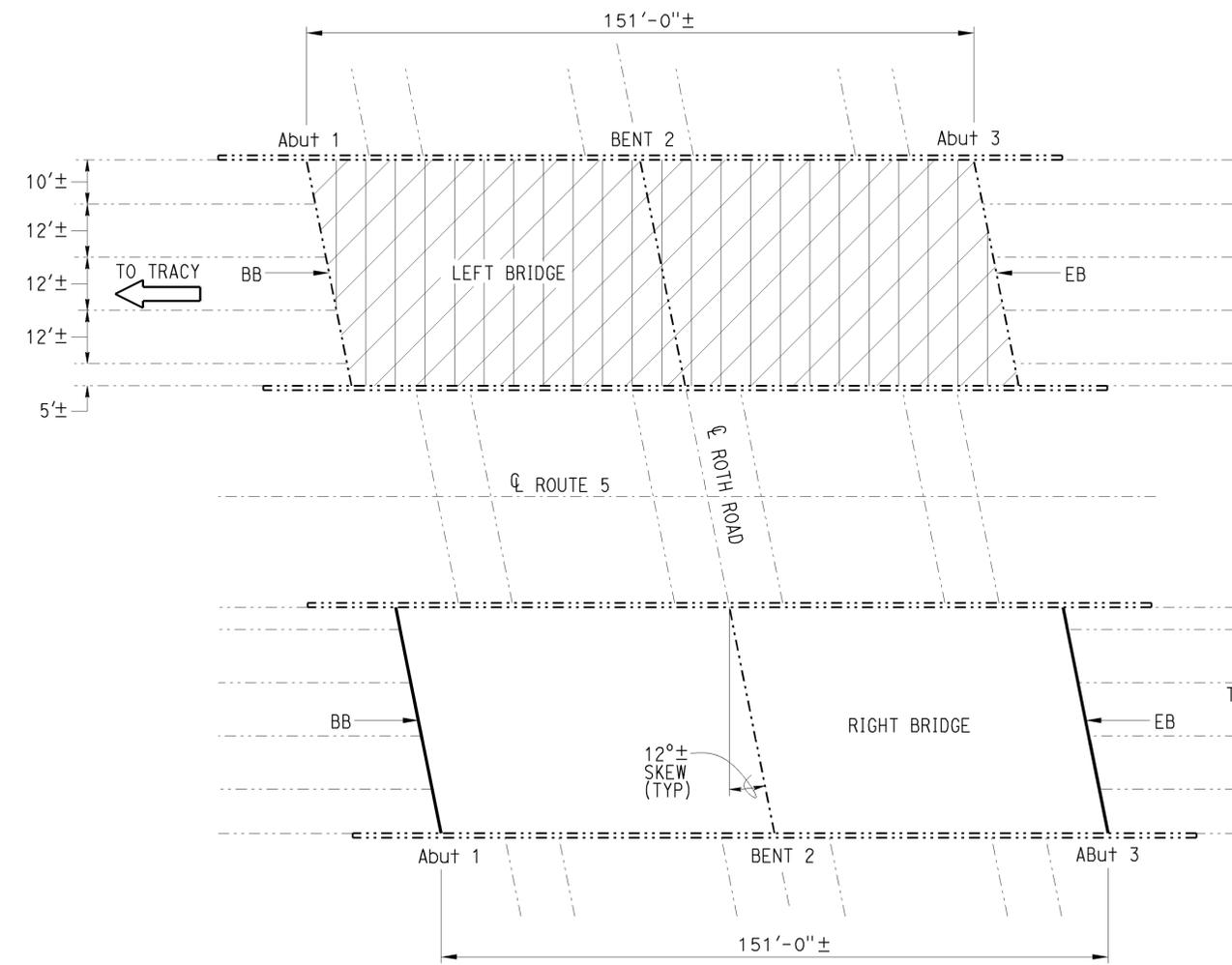
REVISION DATES: 6-18-13, 2-6-14, 12-11-13

SHEET 1 OF 9

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	14	21

REGISTERED CIVIL ENGINEER: *Quang M. Vo* 12-9-13
 DATE: 12-9-13
 PLANS APPROVAL DATE: 01-27-14
 No. C. 055211
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

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ROTH ROAD UC (29-0216L)

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	7,700	SQFT
TREAT BRIDGE DECK	7,700	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	86	GAL
REMOVE CHIP SEAL	7,700	SQFT

NOTES:

(APPLY TO THIS SHEET ONLY)

- Indicates existing
- Indicates location of remove existing joint seal, clean expansion joint and install new joint seal.
- Indicates limits of prepare concrete bridge deck and treat bridge deck with high molecular weight methacrylate.
- Indicates remove existing chip seal approximate thickness 1/2" ±.

ROTH ROAD UC (29-0216R)

QUANTITIES

CLEAN EXPANSION JOINT	105	LF
JOINT SEAL (MR 1")	105	LF

ROTH ROAD UNDERCROSSING
 BR NO. 29-0216L/R, ROUTE 5, PM R19.58
 1"=20'

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

Matthew Wiley
 DESIGN ENGINEER 10-29-13

DESIGN	BY Q. Vo	CHECKED P. KANG	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY N. Kelley	CHECKED P. KANG	LAYOUT	BY N. Kelley
QUANTITIES	BY Q. Vo	CHECKED P. KANG	SPECIFICATIONS	BY K. MEIER

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	Varies
POST MILE	Varies

ROUTE 5, 26, 88 AND 132 BRIDGES
GENERAL PLAN NO.2

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 3488
 PROJECT NUMBER & PHASE: 1013000025

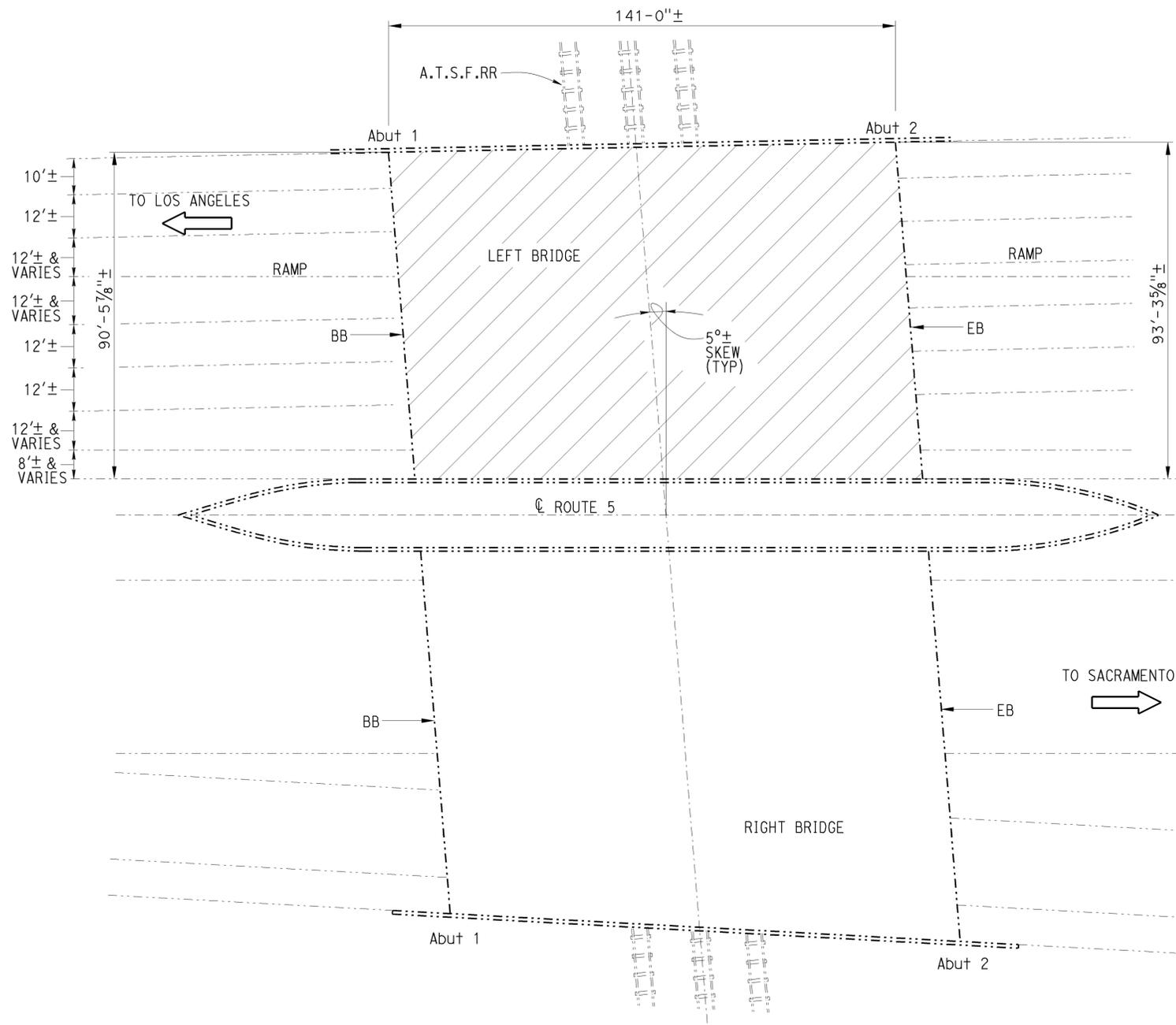
CONTRACT NO.: 10-0X7801

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
6-18-13, 5-27-13, 12-11-13, 2-6-14	2	9

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	15	21

REGISTERED CIVIL ENGINEER: *Quang M. Vo* 12-9-13
 PLANS APPROVAL DATE: 01-27-14
 No. C 055211
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA
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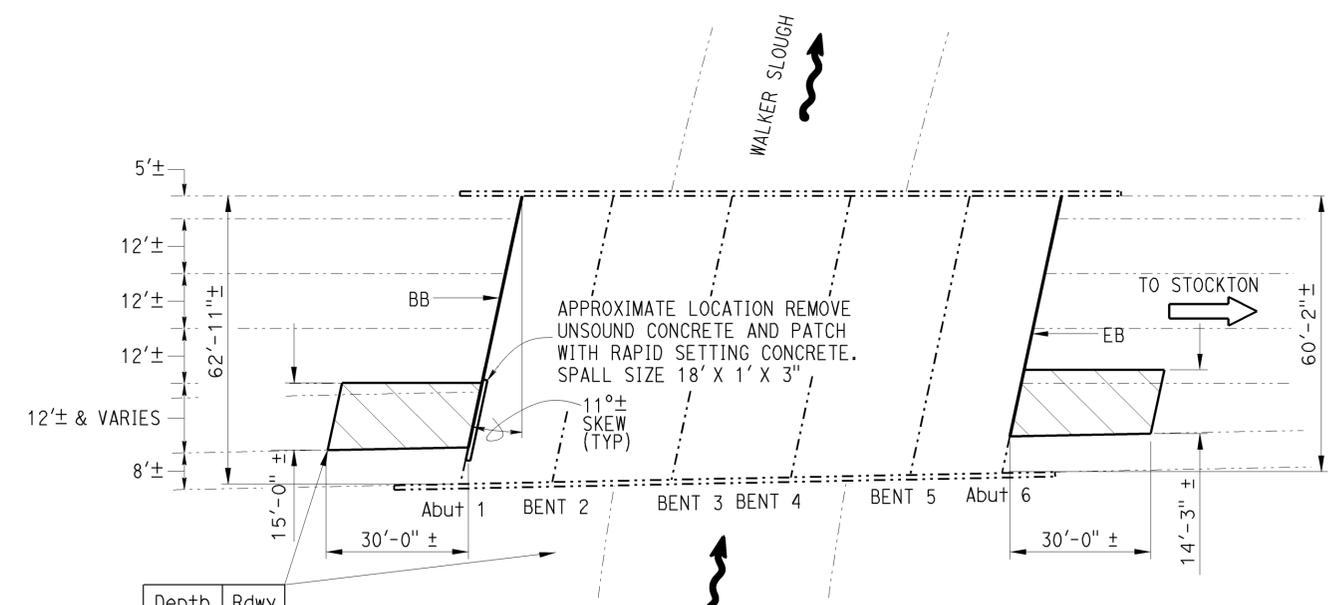


TAYLOR STREET OVERHEAD
 BR NO. 29-0230L, ROUTE 5, PM 25.78
 1"=20'

TAYLOR STREET OH (29-0230L)
 QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	12,960 SQFT
TREAT BRIDGE DECK	12,960 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	144 GAL

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



Depth (in)	Rdwy MtI
3	AC
---	PRF
1-1/4	AC
9	PCC

WALKER SLOUGH
 BR NO. 29-0223R, ROUTE 5, PM R23.93
 1"=20'

WALKER SLOUGH (29-0223R)
 QUANTITIES

RAPID SETTING CONCRETE (PATCH)	4.5 CF
REMOVE UNSOUND CONCRETE	4.5 CF
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	46 CY
PAVING NOTCH EXTENSION	22 CF
CLEAN EXPANSION JOINT	80 LF
JOINT SEAL (MR 1")	111 LF

<i>Matthew Wolfe</i> DESIGN ENGINEER	DESIGN	BY Q. Vo	CHECKED P. KANG	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
	DETAILS	BY N. Kelley	CHECKED P. KANG	LAYOUT	BY N. Kelley
	QUANTITIES	BY Q. Vo	CHECKED P. KANG	SPECIFICATIONS	BY K. MEIER

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies	ROUTE 5, 26, 88 AND 132 BRIDGES GENERAL PLAN NO.3
		POST MILE Various	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	16	21

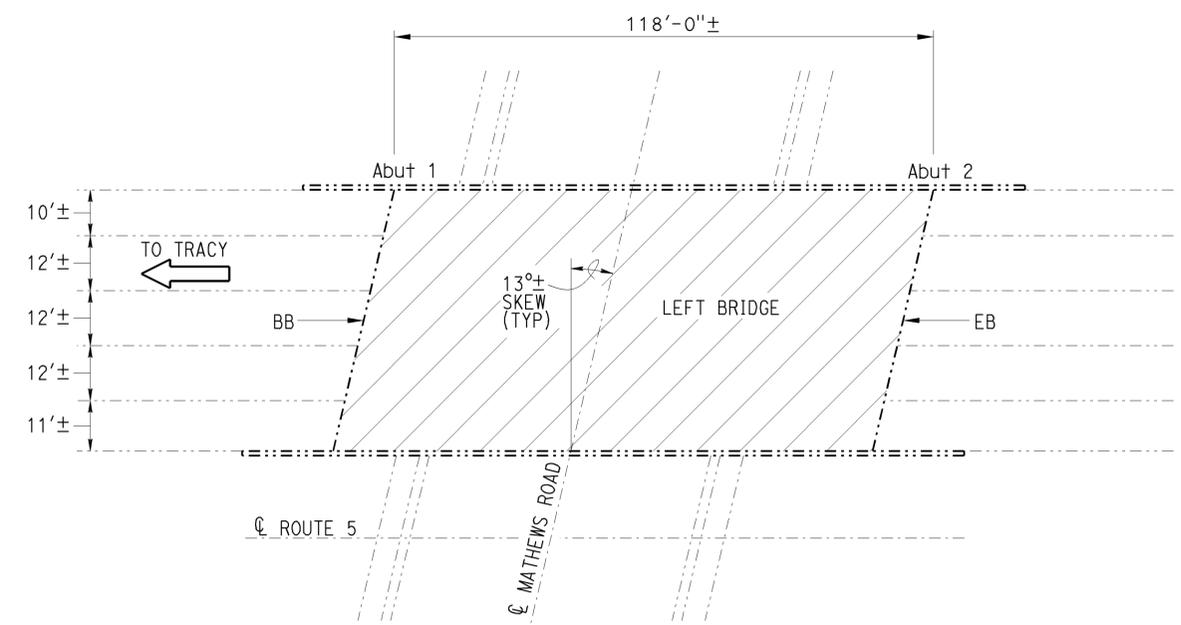
REGISTERED CIVIL ENGINEER *Quang M. Vo* 12-9-13 DATE
 01-27-14 PLANS APPROVAL DATE
 No. C 055211 Exp. 6-30-14
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
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NOTES: (APPLY TO THIS SHEET ONLY)

----- Indicates existing.

———— Indicates location of remove existing joint seal, clean expansion joint and install new joint seal.

 Indicates limits of prepare concrete bridge deck and treat bridge deck with high molecular weight methacrylate.

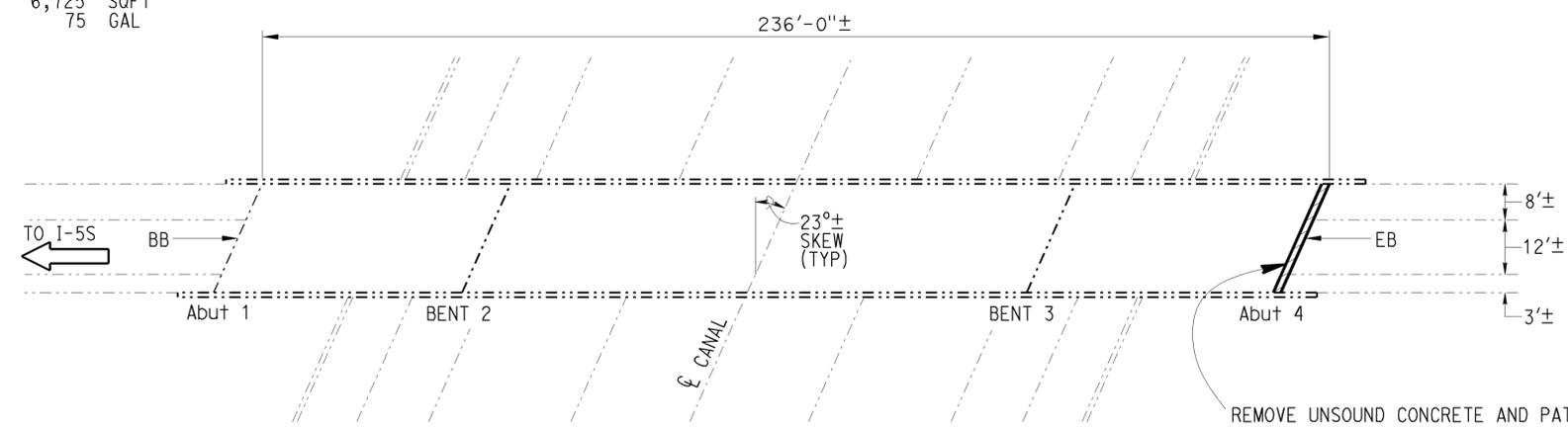


MATHEWS ROAD UNDERCROSSING
 BR NO. 29-0218L, ROUTE 5, PM R21.44
 1"=20'

MATHEWS ROAD UC (29-0218L)

QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	6,725 SQFT
TREAT BRIDGE DECK	6,725 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	75 GAL



DELTA MENDOTA CANAL (132E-5S)
 BR NO. 29-0313G, ROUTE 132, PM 3.22
 1"=20'

132E-5S CONNECTOR (29-0313G)

QUANTITIES

CLEAN EXPANSION JOINT	26	LF
JOINT SEAL (MR 2")	26	LF
REMOVE UNSOUND CONCRETE	4.5	CF
RAPID SETTING CONCRETE PATCH	4.5	CF

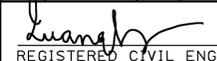
REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE ALONG ENTIRE LENGTH OF JOINT. SPALL SIZE = 26'-3" X 6" X 4".

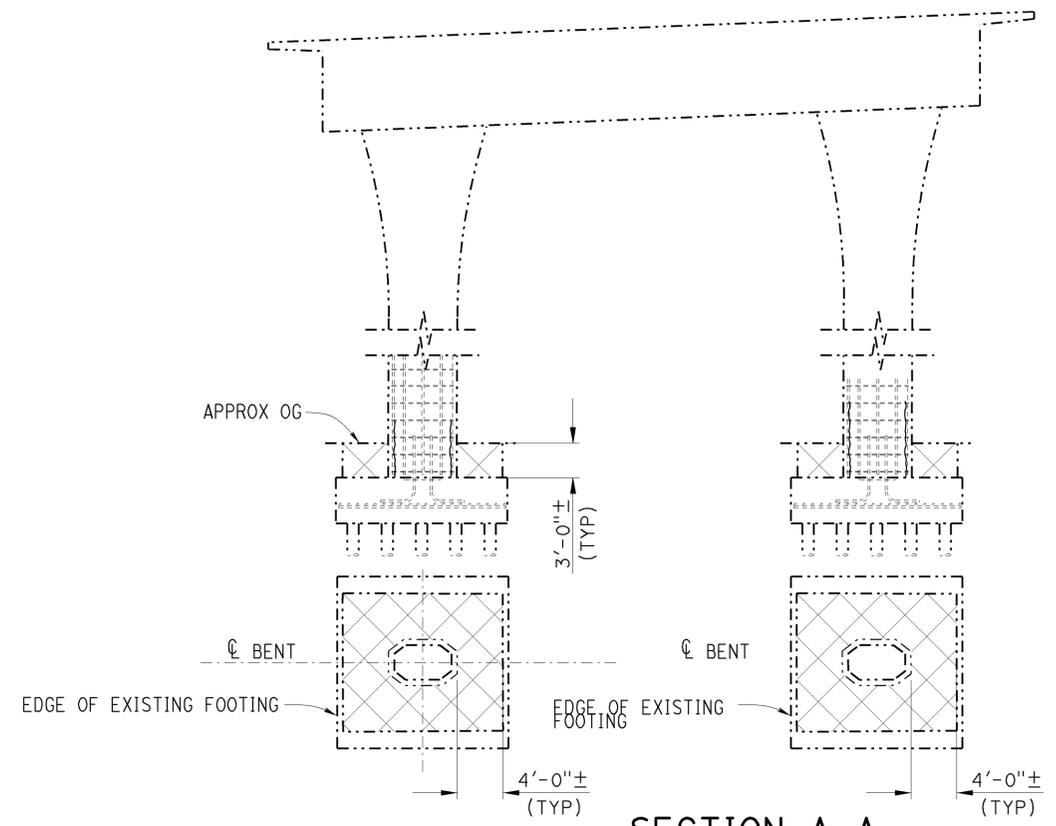
NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

 DESIGN ENGINEER 10-29-13	DESIGN	BY Q. Vo	CHECKED P. KANG	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	ROUTE 5, 26, 88 AND 132 BRIDGES GENERAL PLAN NO.4		
	DETAILS	BY N. Kelley	CHECKED P. KANG	LAYOUT	BY N. Kelley		CHECKED Q. Vo		Varies	
	QUANTITIES	BY Q. Vo	CHECKED P. KANG	SPECIFICATIONS	BY K. MEIER		PLANS AND SPECS COMPARED K. MEIER		Various	
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3488 PROJECT NUMBER & PHASE: 1013000025 CONTRACT NO.: 10-0X7801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 4 OF 9

FILE => 10-0x7801_ddgp.dgn

USERNAME => s121116 DATE PLOTTED => 19-FEB-2014 TIME PLOTTED => 08:55

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	17	21
 REGISTERED CIVIL ENGINEER			12-9-13	DATE	
PLANS APPROVAL DATE 01-27-14					
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.					



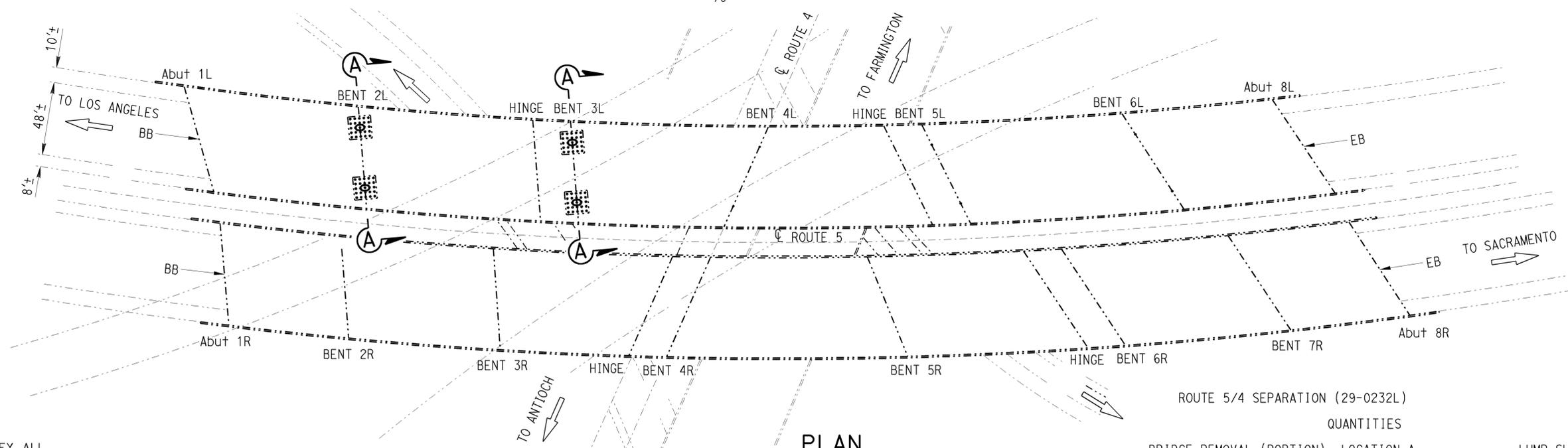
SECTION A-A
1/8"=1'-0"

NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
-  Indicates limits of Structure Excavation (Bridge).
-  Indicates limits of Structure Backfill (Bridge).

For Structure Excavation (Bridge) and Structure Backfill (Bridge) limits and galvanic node installation details see, "DETAILS" sheet.

For limits of Bridge Removal (portion) see "Typcal Elevation" detail on "DETAILS" sheet.



PLAN
ROUTE 5/4 SEPARATION
BR NO. 29-0232R/L, ROUTE 5, SJ, PM 26.12
1"=40'

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

QUANTITIES	
BRIDGE REMOVAL (PORTION), LOCATION A	LUMP SUM
STRUCTURE EXCAVATION (BRIDGE)	73 CY
STRUCTURE BACKFILL (BRIDGE)	73 CY
STRUCTURAL CONCRETE, BRIDGE	1.7 CY
BAR REINFORCING STEEL (BRIDGE)	160 LB
GALVANIC ANODE	48 EA


DESIGN ENGINEER
10-29-13

DESIGN	BY Q. Vo	CHECKED P.KANG
DETAILS	BY N. Kelley	CHECKED P.KANG
QUANTITIES	BY Q. Vo	CHECKED P.KANG

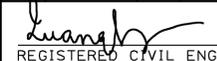
LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
LAYOUT	BY N. Kelley
SPECIFICATIONS	BY K.MEIER

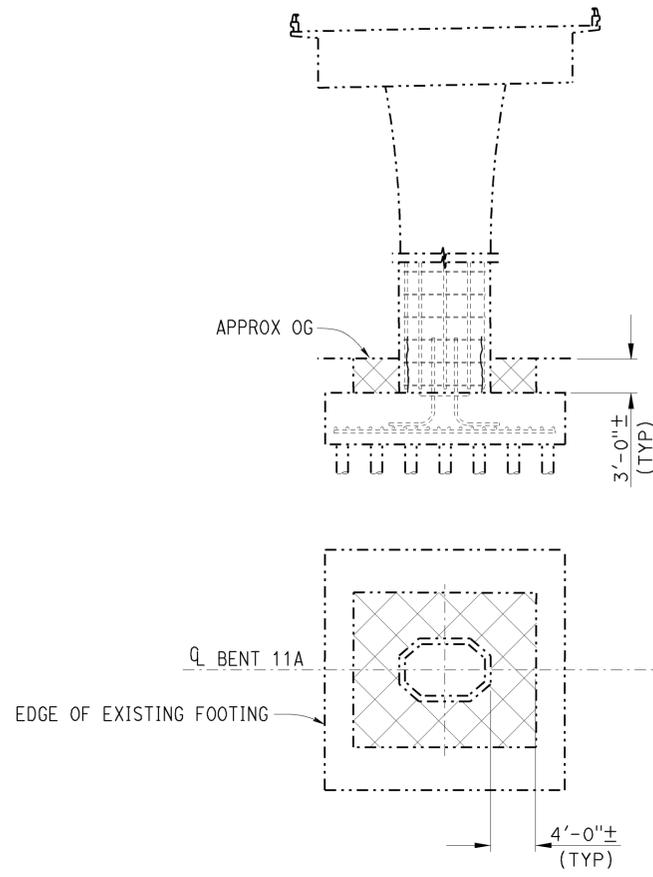
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. Varies
POST MILE Varies
ROUTE 5,26,88 AND 132 BRIDGES
GENERAL PLAN NO.5

USERNAME => s121116 DATE PLOTTED => 19-FEB-2014 TIME PLOTTED => 08:57

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	18	21
 REGISTERED CIVIL ENGINEER			12-9-13 DATE		
PLANS APPROVAL DATE			01-27-14		
<small>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.</small>					

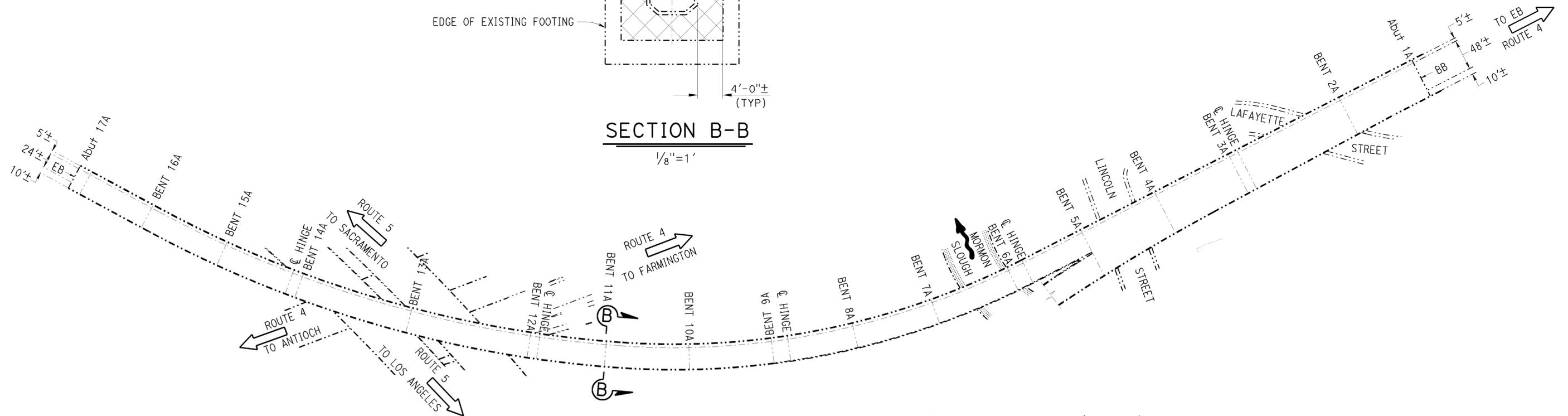


NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
-  Indicates limits of Structure Excavation (Bridge).
-  Indicates limits of Structure Backfill (Bridge).

For Structure Excavation (Bridge) and Structure Backfill (Bridge) limits and galvanic node installation details see, "DETAILS" sheet.

For limits of Bridge Removal (portion) see "Typical Elevation" detail on "DETAILS" sheet.



ROUTE 5/4 CONNECTOR VIADUCT (29-0233H)
QUANTITIES

BRIDGE REMOVAL (PORTION), LOCATION B	LUMP SUM
STRUCTURE EXCAVATION (BRIDGE)	24 CY
STRUCTURE BACKFILL (BRIDGE)	24 CY
STRUCTURAL CONCRETE, BRIDGE	0.6 CY
BAR REINFORCING STEEL (BRIDGE)	53 LB
GALVANIC ANODE	24 EA

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



ROUTE 5/4 CONNECTOR VIADUCT
BR NO. 29-0233H, SJ, ROUTE 5, PM 25.87
1"=80'

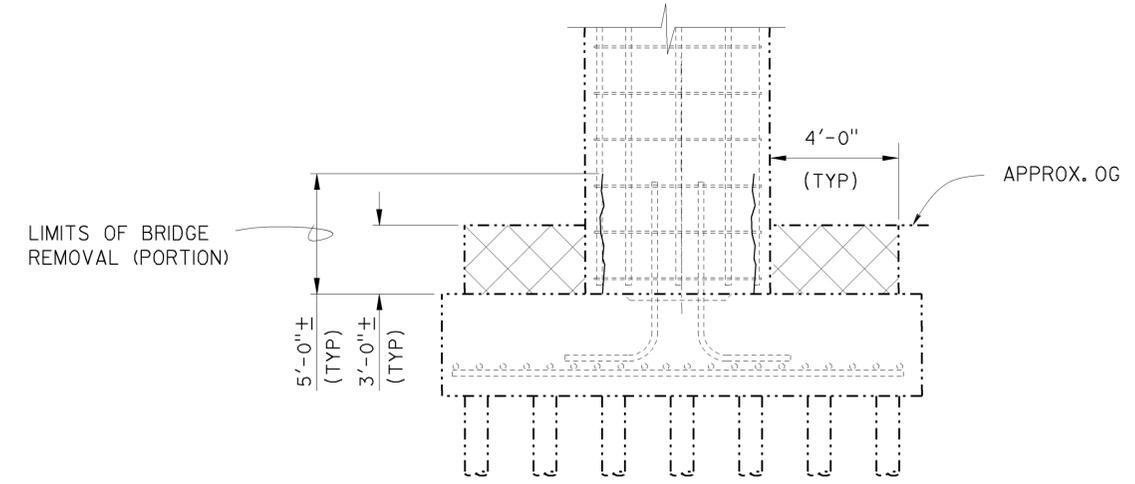
 DESIGN ENGINEER 10-29-13	DESIGN	BY Q. Vo	CHECKED P. KANG	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	ROUTE 5, 26, 88 AND 132 BRIDGES GENERAL PLAN NO.6								
	DETAILS	BY N. Kelley	CHECKED P. KANG	LAYOUT	BY N. Kelley		CHECKED Q. Vo		Varies							
	QUANTITIES	BY Q. Vo	CHECKED P. KANG	SPECIFICATIONS	BY K. MEIER		PLANS AND SPECS COMPARED K. MEIER		Various							
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3488 PROJECT NUMBER & PHASE: 1013000025	CONTRACT NO.: 10-0X7801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	<table border="1"> <tr> <th>REVISION DATES</th> <th>SHEET</th> <th>OF</th> </tr> <tr> <td>6-28-13 12-11-13</td> <td>6</td> <td>9</td> </tr> </table>	REVISION DATES	SHEET	OF	6-28-13 12-11-13	6	9
REVISION DATES	SHEET	OF														
6-28-13 12-11-13	6	9														

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	19	21

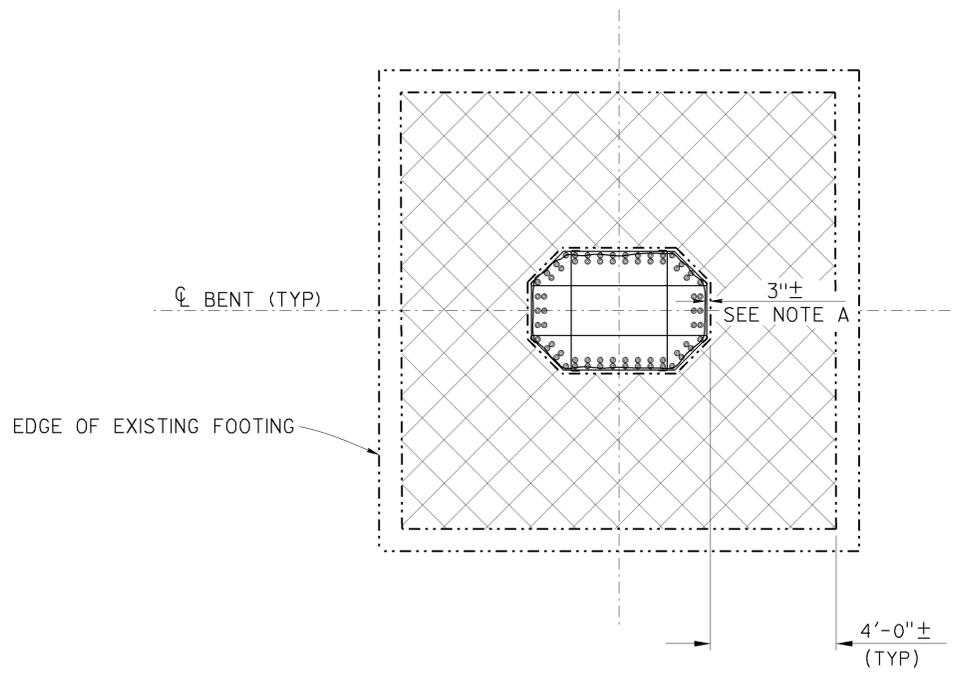
REGISTERED CIVIL ENGINEER: *Quang Vo* 12-9-13 DATE
 PLANS APPROVAL DATE: 01-27-14
 No. C 055211 Exp. 6-30-14
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing structure.
-  Indicates limits of Structure Excavation (Bridge).
-  Indicates limits of Structure Backfill (Bridge).



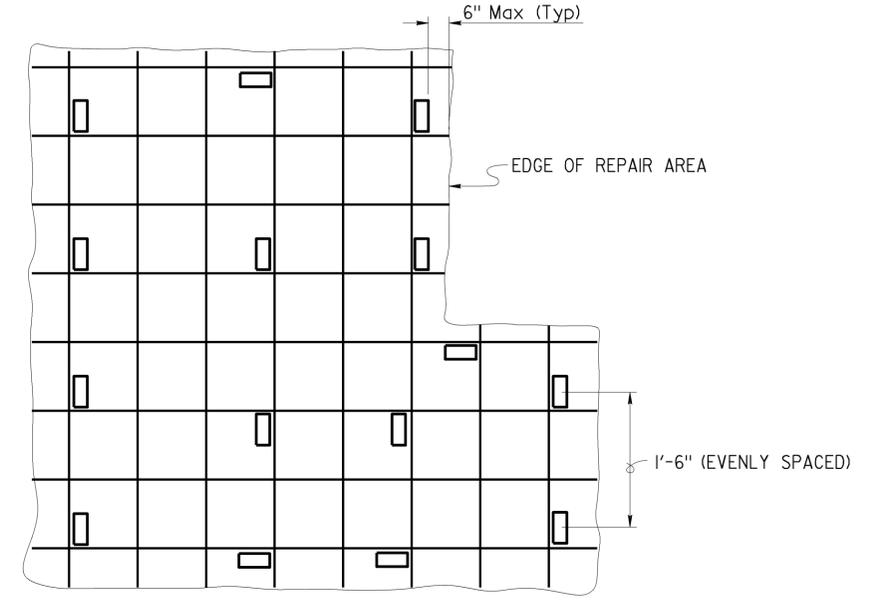
TYPICAL ELEVATION



TYPICAL PLAN AT TOP OF FOOTING

BENTS 2L & 3L (29-0232L)
 BENT IIA (29-0233H)
 NO SCALE

NOTE:
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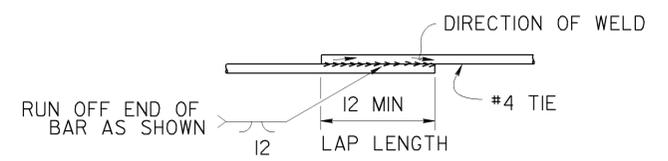


GALVANIC ANODE LAYOUT DETAIL

Note: All galvanic anodes shall be installed with embedding mortar.

NOTE A:

- SAWCUT 1/2 INCH DEPTH AROUND SPALLED AREAS AND REMOVE ALL UNSOUND CONCRETE COVER.
- REPLACE EXISTING CORRODED REINF. TIES WITH NEW #4 TIES.
- INSTALL ANODES PER GALVANIC ANODE LAYOUT DETAILS.
- SPALL REMOVAL IS LIMITED TO NO MORE THAN 25% OF THE COLUMN CIRCUMFERENCE AT ANY ONE TIME.



NOTE: FLARE WELD TO BE MADE IN DIRECTION SHOWN

WELDED TIE SPLICE AND ANCHOR

**GENERAL NOTES
 LOAD FACTOR DESIGN**

DESIGN: BRIDGE DESIGN SPECIFICATIONS (1983 AASHTO with Interims and Revisions by CALTRANS)

REINFORCED CONCRETE:
 f_y = 60 KSI
 f'c = 4 KSI

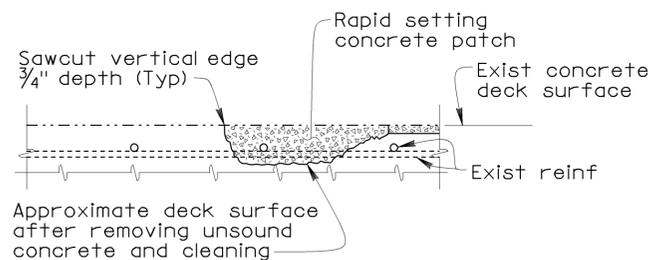
STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY Q. VO	CHECKED P. KANG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	Varies	ROUTE 5,26,88 AND 132 BRIDGES				
	DETAILS	BY N. Kelley	CHECKED P. KANG			POST MILE			Various			
	QUANTITIES	BY Q. VO	CHECKED P. KANG			CONTRACT NO.:				10-0X7801		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				UNIT: 3488	PROJECT NUMBER & PHASE: 1013000025	CONTRACT NO.:	10-0X7801	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES	SHEET	OF
				0	1	2	3	6-26-13	12-11-13	8-20-13	7	9

FILE => 10-0x7801_gg_det.dgn

JOINT SEAL TABLE							
BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)
PARADISE CUT OVERFLOW	29-0029R	ABUT 1	BB	1/2	78	NO	NO
		ABUT 5	EB	1/2	78	NO	NO
ROTH ROAD UNDERCROSSING	29-0216R	ABUT 1	BB	1 *	52	NO	12
		ABUT 3	EB	1 *	52	NO	12
WALKER SLOUGH	29-0223R	ABUT 1	BB	1 *	57	NO	12
		ABUT 6	EB	1 *	54	NO	12
DELTA MENDOTA CANAL (132E-5S)	29-0313G	ABUT 4	EB	2	26	NO	12

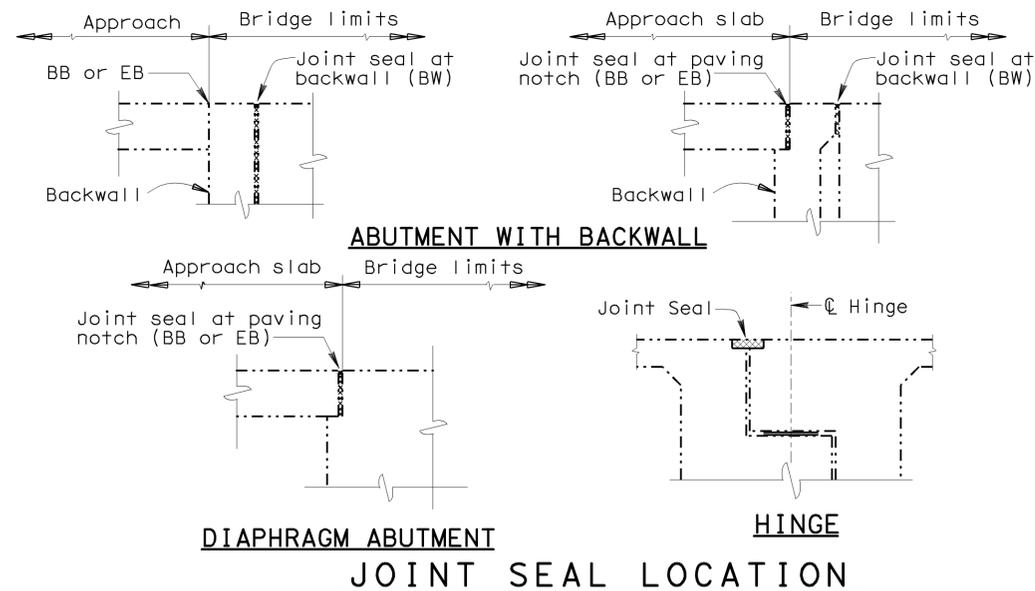
LEGEND:

- BB - PAVING NOTCH AT BEGINNING OF BRIDGE
- EB - PAVING NOTCH AT END OF BRIDGE
- EJ - EXPANSION JOINT AT PIER, BENT
- * - USE TYPE B SEAL ONLY



DECK REPAIR DETAIL

Note: Locations to be determined by the Engineer. Reinforcement may be encountered during deck concrete removal.



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 calculated 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 psi.
- 4) Bend Type B joint seal 6" up into curb or rail on the low side of the deck where deck joint matches curb or rail joint.
- 5) For details not shown, see B6-21

The following notes apply to JOINT SEAL TYPE A:

- 1) Install Type A joint seal 3" up into rail on the low side of deck where joint matches curb or rail joint.
- 2) For details not shown, see B6-21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	20	21

REGISTERED CIVIL ENGINEER *Quang Vo* DATE 12-9-13
 PLANS APPROVAL DATE 01-27-14
 No. C 055211 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA
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NOTE:
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DESIGN	BY Q. VO	CHECKED P. KANG
DETAILS	BY N. Kelley	CHECKED P. KANG
QUANTITIES	BY Q. VO	CHECKED P. KANG

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	Varies
POST MILE	Varies

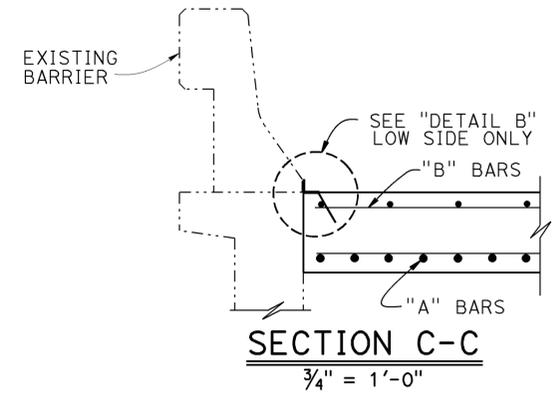
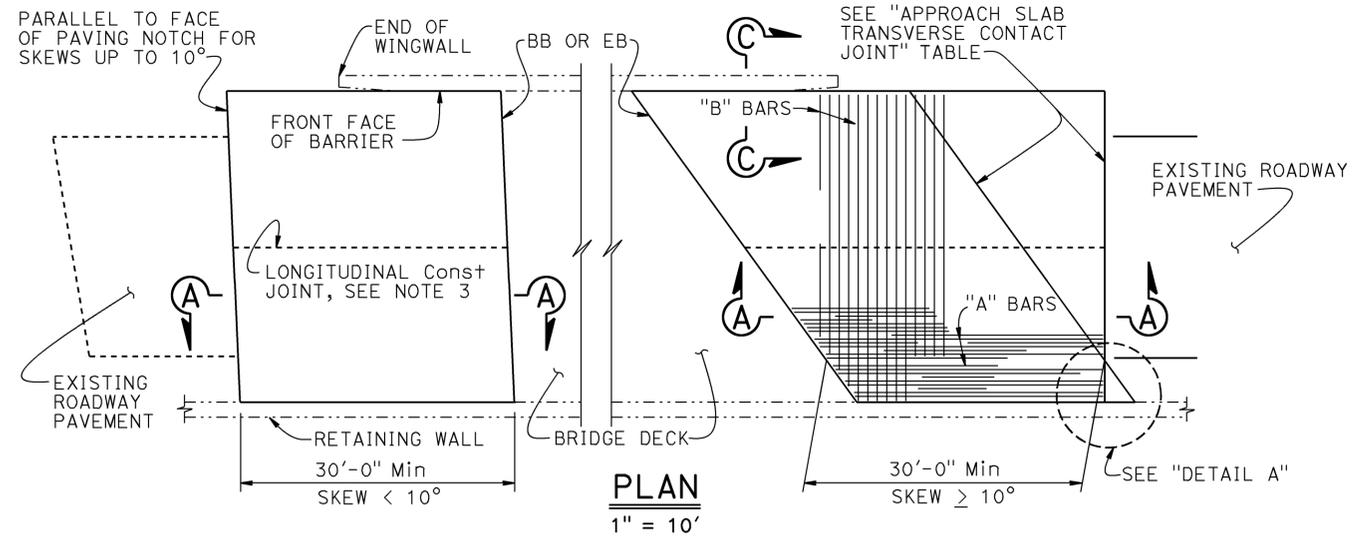
ROUTE 5,26,88 AND 132 BRIDGES

JOINT SEAL DETAILS

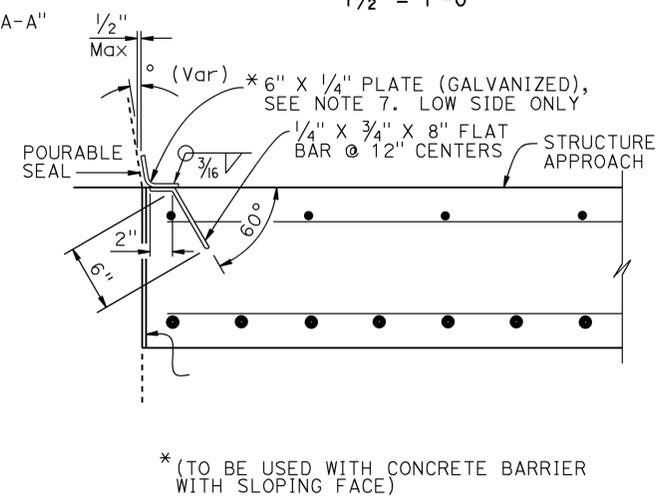
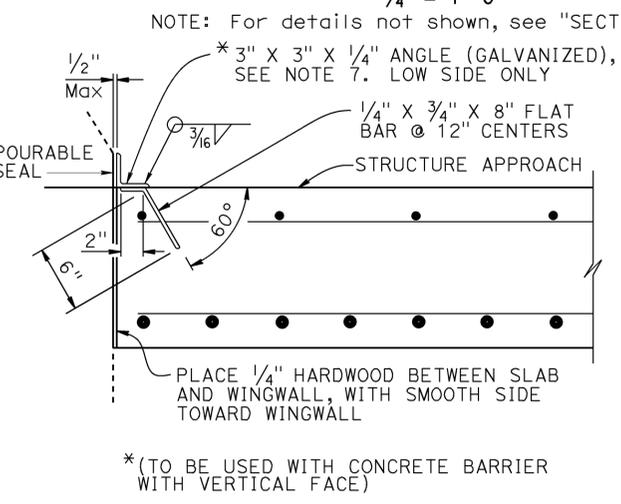
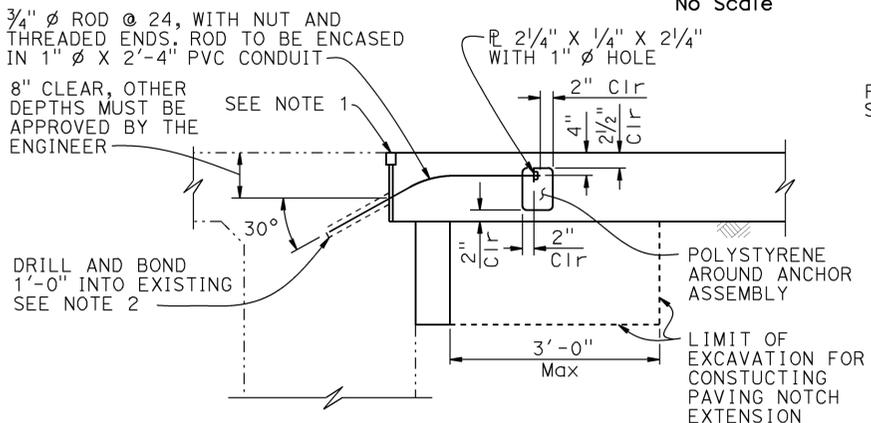
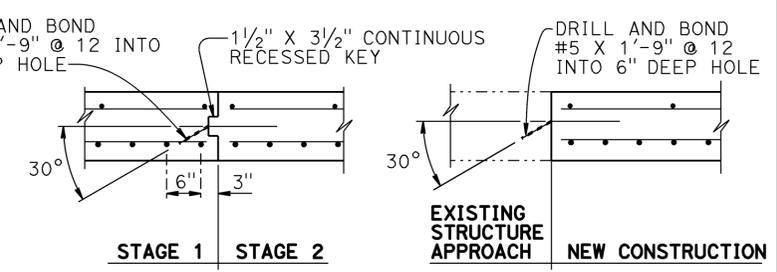
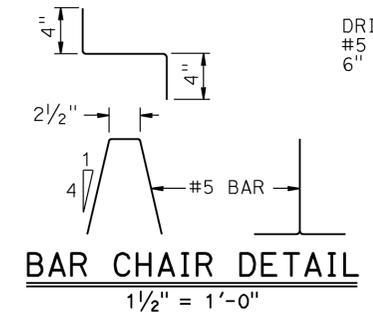
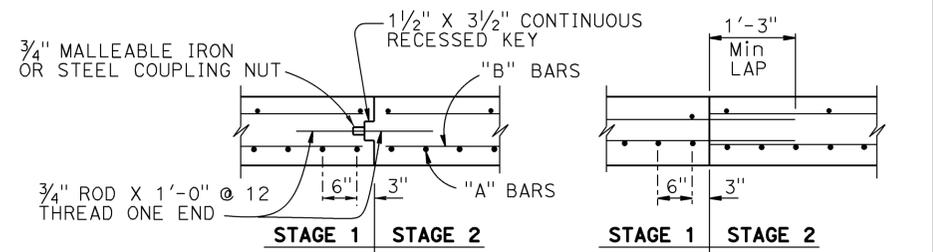
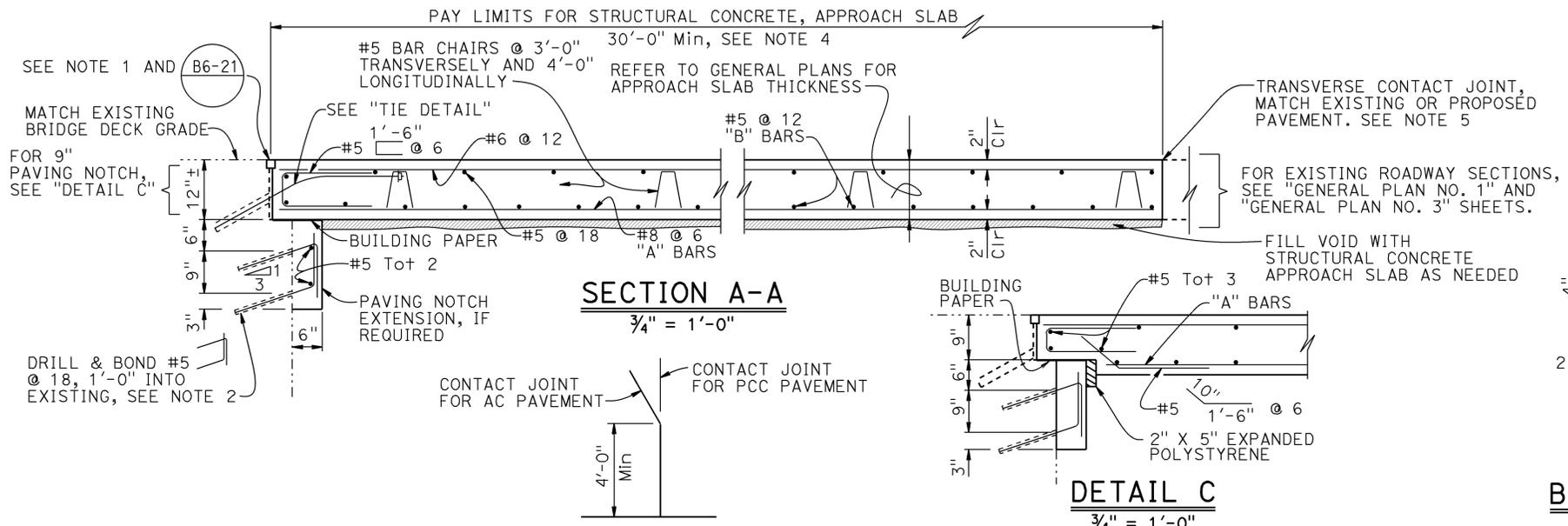
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	5,26, 88,132	Var	21	21

REGISTERED CIVIL ENGINEER: *Quang Vo*
 DATE: 12-9-13
 PLANS APPROVAL DATE: 01-27-14
 No. C 055211
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

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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



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

NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN	BY: Q. VO	CHECKED: P. KANG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 5,26,88 AND 132 BRIDGES STRUCTURE APPROACH TYPE R(30D)
DETAILS	BY: N. Kelley	CHECKED: P. KANG			Varies	
QUANTITIES	BY: Q. VO	CHECKED: P. KANG			POST MILE	

UNIT: 3488
 PROJECT NUMBER & PHASE: 1013000025
 CONTRACT NO.: 10-0X7801