Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad, Tul	5,33, 41,99	Var	1	26

INDEX OF PLANS

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5	SUMMARY OF QUANTITIES
6-14	REVISED STANDARD PLANS
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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

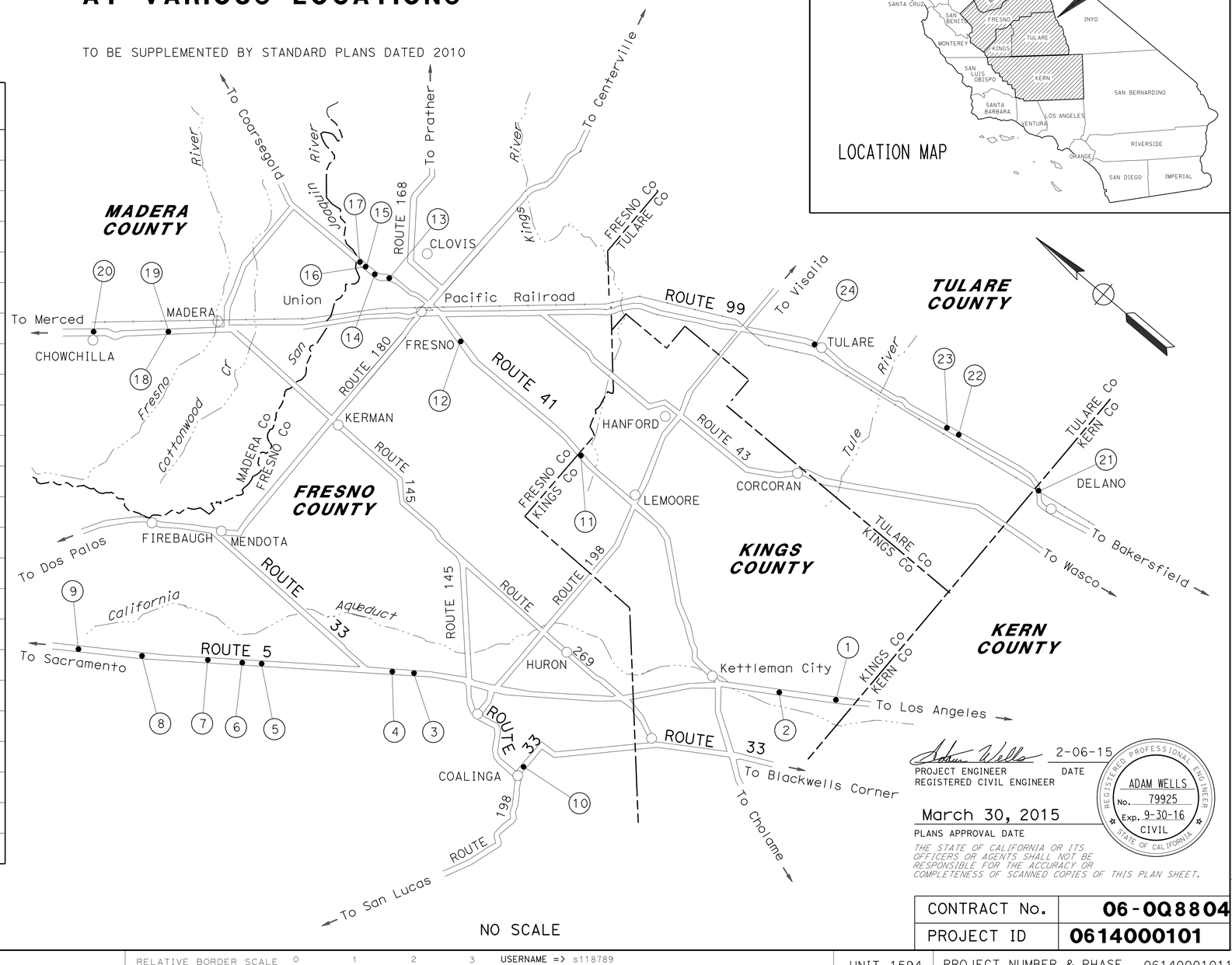
IN FRESNO, MADERA, KINGS, TULARE AND KERN COUNTIES AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

LOCATION MAP

LOCATIONS OF CONSTRUCTION

Loc No.	COUNTY	Rte	PM	DESCRIPTION	BRIDGE No.
1	Kin	5	4.4	XENIA AVENUE OC (DECK RESURFACE)	45-0066
2	Kin	5	12.4	UTICA AVENUE OC (METHACRYLATE)	45-0067
3	Fre	5	24.4	JEFFREY AVENUE OC (EPOXY OVERLAY)	42-0238
4	Fre	5	28.5	CANTUA CREEK UC (JOINT SEALS)	42-0239L
5	Fre	5	43.2	HUDSON AVENUE OC (ABUTTMENT REHAB, EPOXY OVERLAY)	42-0245
6	Fre	5	45.8	MANNING AVENUE OC (EPOXY OVERLAY)	42-0247
7	Fre	5	50.0	PANOCHE CREEK (JOINT SEALS)	42-0249L
8	Fre	5	55.6	CALIFORNIA AVENUE OC (JOINT SEALS, DECK RESURFACE)	42-0251
9	Fre	5	58.7	OXFORD AVENUE OC (EPOXY OVERLAY)	42-0252
10	Fre	33	14.9	WARTHAN CREEK BRIDGE (METHACRYLATE)	42-0424
11	Kin	41	R48.3	EXCELSIOR AVENUE UC (METHACRYLATE)	45-0022L
12	Fre	41	R17.1	LINCOLN AVENUE OC (METHACRYLATE)	42-0144
13	Fre	41	R28.4	SHAW AVENUE OC (METHACRYLATE)	42-0301
14	Fre	41	R30.0	SIERRA AVENUE OC (METHACRYLATE)	42-0304
15	Fre	41	R30.9	ALLUVIAL AVENUE UC (JOINT SEALS)	42-0386L
16	Fre	41	R30.9	ALLUVIAL AVENUE UC (JOINT SEALS)	42-0386R
17	Fre	41	R31.7	FRIANT ROAD UC (METHACRYLATE)	42-0308L
18	Mad	99	R16.1	DRY CREEK BRIDGE (METHACRYLATE, JOINT SEALS)	41-0005L
19	Mad	99	R16.1	DRY CREEK BRIDGE (METHACRYLATE)	41-0005R
20	Mad	99	26.8	ASH SLOUGH BRIDGE (JOINT SEALS)	41-0045R
21	Ker	99	57.1	NORTH DELANO OH (PAINT)	50-0214
22	Tul	99	12.3	AVENUE 96 OC (METHACRYLATE)	46-0171
23	Tul	99	12.8	AVENUE 100 OC (METHACRYLATE)	46-0173
24	Tul	99	29.9	CROSS AVENUE OC (JOINT SEALS)	46-0249



NO SCALE

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

PROJECT MANAGER: BILL MOSES

DESIGN ENGINEER: RENE SANCHEZ

2-06-15
PROJECT ENGINEER — DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER — ADAM WELLS No. 79925 Exp. 9-30-16 CIVIL — STATE OF CALIFORNIA

March 30, 2015
PLANS APPROVAL DATE

CONTRACT No.	06-0Q8804
PROJECT ID	0614000101

LAST REVISION 02-06-15

DATE PLOTTED => 15-APR-2015
TIME PLOTTED => 11:18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad, Tul	5,33, 41,99	Var	2	26

Adam Wells 3-30-15
REGISTERED CIVIL ENGINEER DATE

ADAM WELLS No. 79925 Exp. 9-30-16 CIVIL
REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

3-30-15
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.

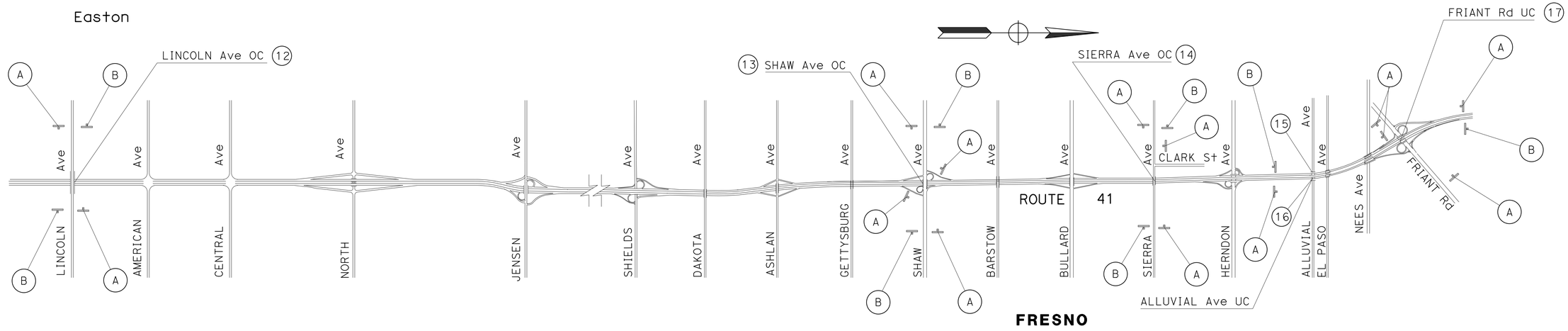
NOTE:

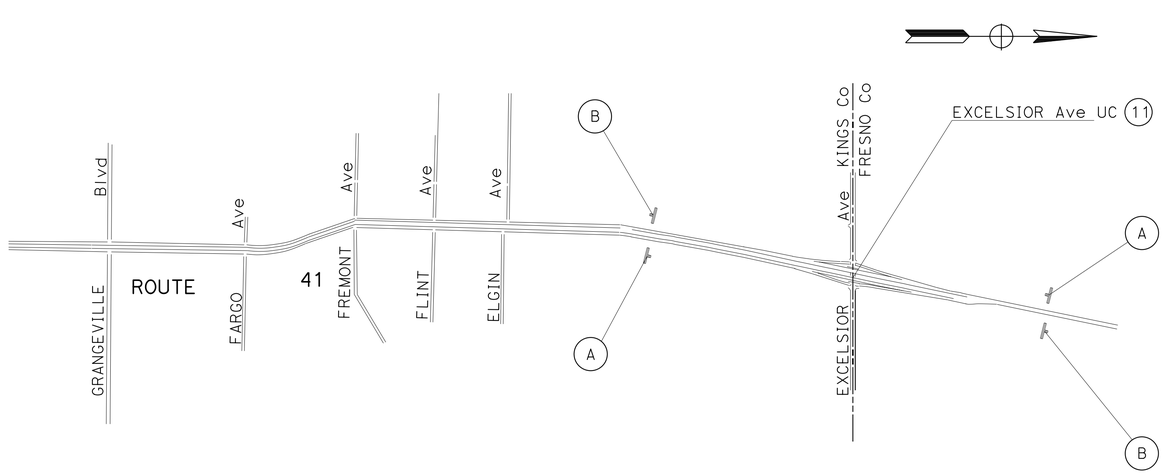
EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
(A)	W20-1	36" x 36"	ROAD WORK AHEAD	1 - 4" x 6"	51
(B)	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	40

NOTE: EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.





CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

REVISED BY | DATE REVISED
RENE SIQUEIROS | ADAM WELLS
CALCULATED-DESIGNED BY | CHECKED BY
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN
FUNCTIONAL SUPERVISOR
RENE SANCHEZ

LAST REVISION 03-30-15 | DATE PLOTTED => 15-APR-2015 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010 | USERNAME => s118789 | DGN FILE => 06140001011a001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1594 | PROJECT NUMBER & PHASE 06140001011

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad, Tul	5,33, 41,99	Var	3	26

Adam Wells 3-30-15
REGISTERED CIVIL ENGINEER DATE

3-30-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ADAM WELLS
No. 79925
Exp. 9-30-16
CIVIL
STATE OF CALIFORNIA

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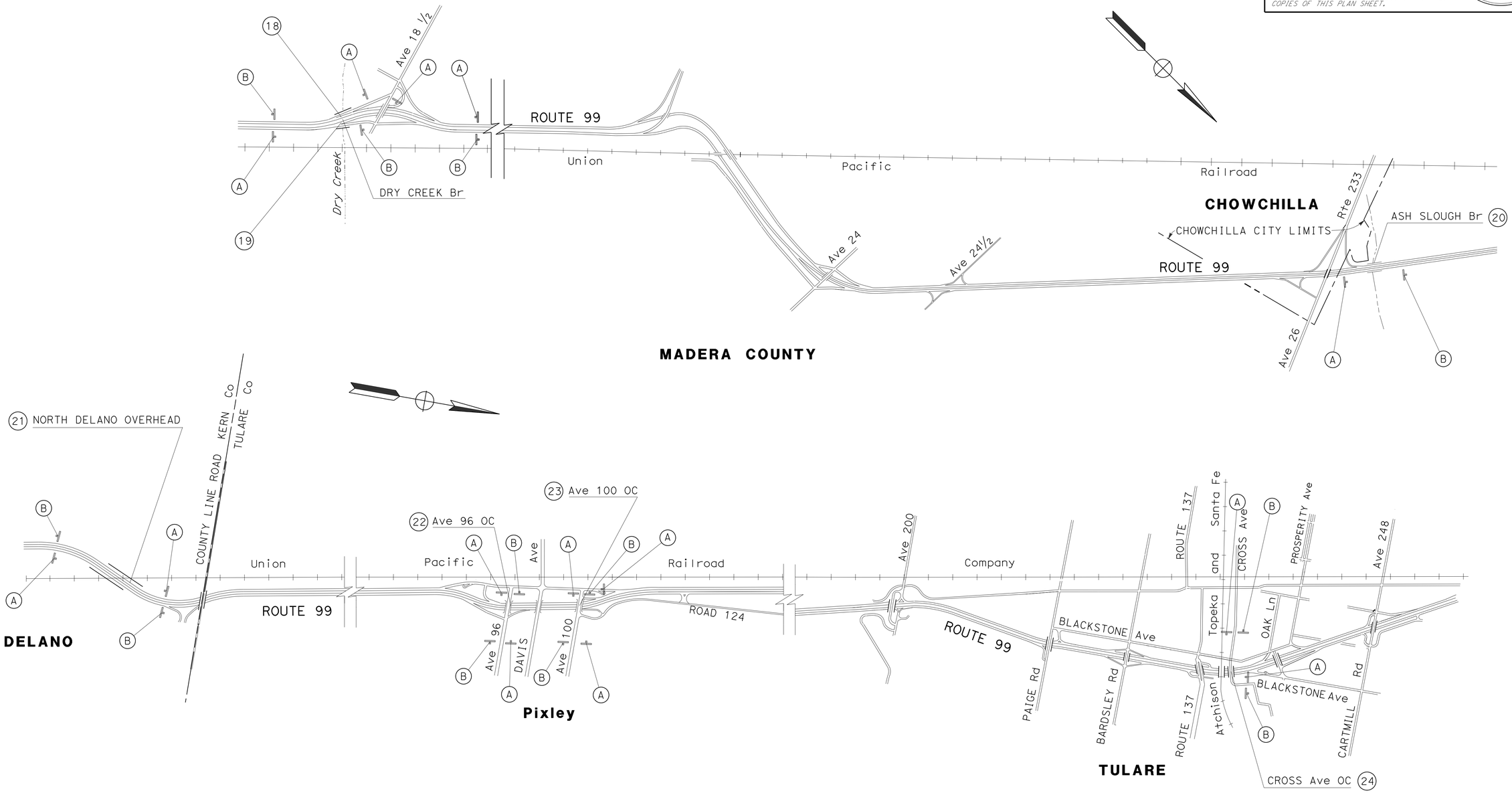

CONSTRUCTION AREA SIGNS

NO SCALE

CS-2

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: RENE SANCHEZ

CALCULATED-DESIGNED BY:
CHECKED BY:

RENE SIQUEIROS
ADAM WELLS

REVISED BY | DATE REVISED

LAST REVISION DATE PLOTTED => 15-APR-2015
TIME PLOTTED => 11:18
03-30-15

BORDER LAST REVISED 7/2/2010

USERNAME => s118789
DGN FILE => 06140001011a002.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1594

PROJECT NUMBER & PHASE 06140001011

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad, Tul	5,33, 41,99	Var	4	26

Adam Wells 3-30-15
REGISTERED CIVIL ENGINEER DATE

3-30-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ADAM WELLS
No. 79925
Exp. 9-30-16
CIVIL
STATE OF CALIFORNIA

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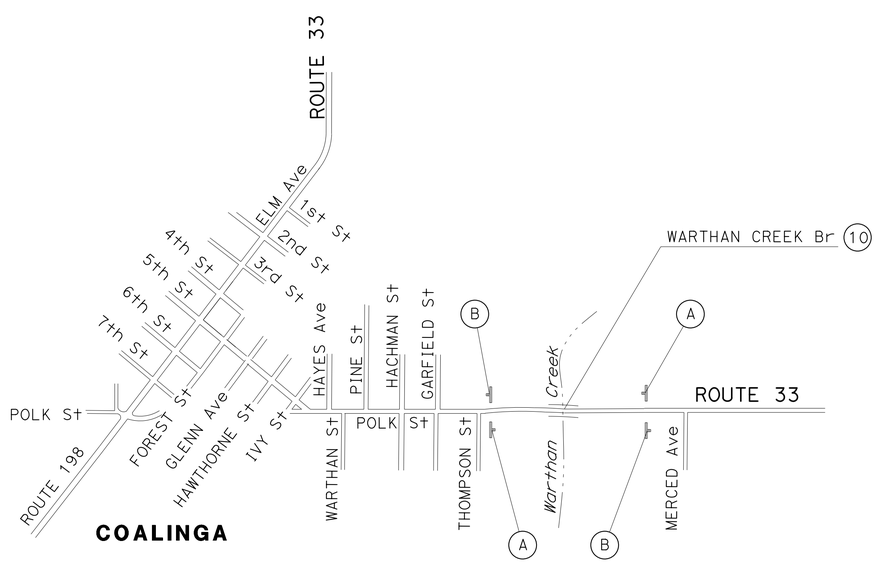

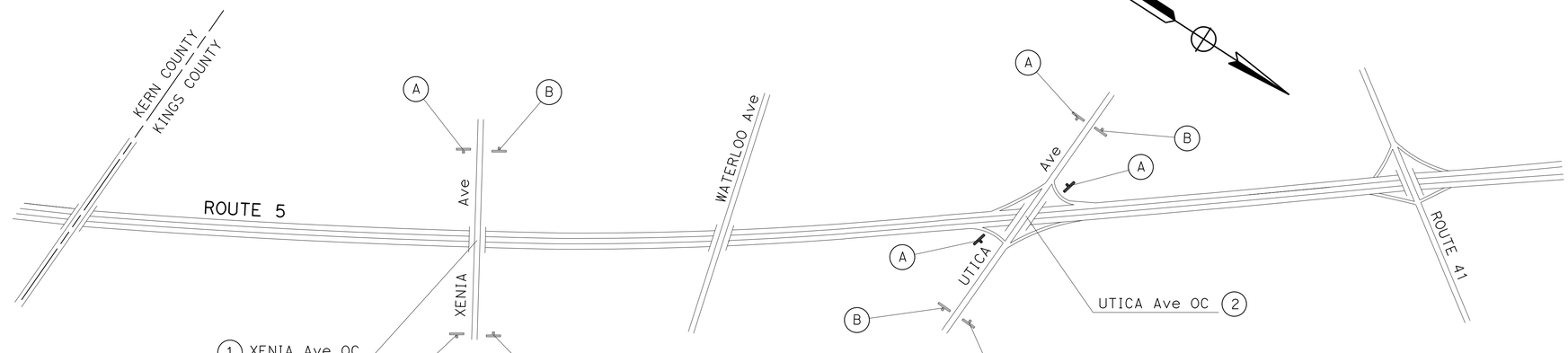

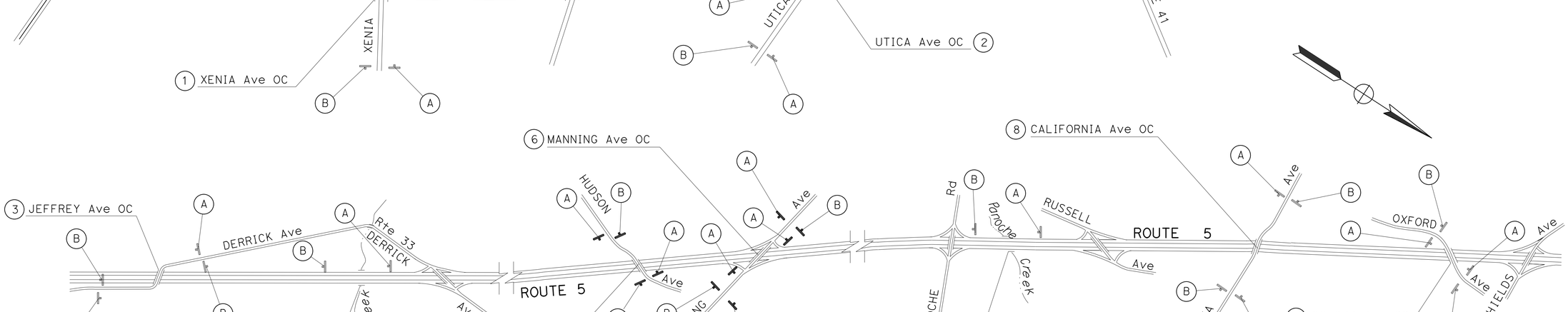

CONSTRUCTION AREA SIGNS

NO SCALE

CS-3

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: RENE SANCHEZ

CALCULATED-DESIGNED BY: RENE SIQUEIROS
CHECKED BY: ADAM WELLS

REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 15-APR-2015
03-30-15 | TIME PLOTTED => 11:18

BORDER LAST REVISED 7/2/2010

USERNAME => s118789
DGN FILE => 06140001011a003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1594

PROJECT NUMBER & PHASE 06140001011

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad, Tul	5,33, 41,99	Var	5	26

Adam Wells 3-30-15
REGISTERED CIVIL ENGINEER DATE

3-30-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ADAM WELLS
No. 79925
Exp. 9-30-16
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.

PAVEMENT DELINEATION QUANTITIES

Loc No.	DETAIL No.	PAVEMENT MARKER (RETROREFLECTIVE)			THERMOPLASTIC TRAFFIC STRIPE				REMOVE PAVEMENT MARKER (N)	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC PAVEMENT MARKING		REMOVE THERMOPLASTIC PAVEMENT MARKING	
		TYPE D (YELLOW TWO WAY)	TYPE G (CLEAR ONE WAY)	TYPE H (YELLOW ONE WAY)	4" SOLID	4" (BROKEN 17-7)	4" (BROKEN 36-12)	8" SOLID				DESCRIPTION	SQFT	DESCRIPTION	SQFT
		EA	EA	EA	LF	LF	LF	LF	EA	LF	LF				
(2)	21				600					600					
	27B				600						600				
(3)	21				570					570					
(6)	21				690					690					
(7)	12		5				150		5		40				
	25			5	150				5	150					
	27B				150						150				
(10)	22	14			240				14	240					
	27B				240						240				
(11)	12		4				140		4		40				
	25			4	140				4	140					
	27B				140						140				
(12)	21				420					420					
(13)	12		23				1020		23		260				
(14)	9		11			440			12		130	3-TYPE VI ARROW	126	3-TYPE VI ARROW	126
	22	22			440				22	440					
(17)	12		5				190		5		50				
	25			5	190				5	190					
	27B				190						190				
	36A					180		85			230				
(18)	12		3				70		3		20				
	25			3	70				3	70					
	27B				70						70				
(19)	12		3				90		3		30				
	25			3	90				3	90					
	27B				90						90				
	36		9					180	9		360				
(22)	21				440					440		1-STOP	22	1-STOP	22
												1-AHEAD	31	1-AHEAD	31
(23)	21				460					460					
SUBTOTAL		36	63	20	6170	630	1660	180		4500	2640		179		179
TOTAL		119			6170	630	1660	180		4500	2640		179		179

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

SUMMARY OF QUANTITIES
Q-1

REVISED BY | DATE REVISED
RENE SIQUEIROS | ADAM WELLS
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: RENE SANCHEZ
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE DESIGN

LAST REVISION 03-30-15 | DATE PLOTTED => 15-APR-2015 | TIME PLOTTED => 11:18

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
Mtl	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

Oblr	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 Mtl	PERMEABLE MATERIAL

P continued

PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkwy	PARKWAY
ℙ,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
℄	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
Tel	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
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Vert	VERTICAL
Via	VIADUCT
Vol	VOLUME

W

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
06	Fre,Ker, Kin,Mad,Tul	5,33, 41,99	Var	6	26

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

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 3-30-15

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
kip	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.

REVISED STANDARD PLAN RSP A10B

2010 REVISED STANDARD PLAN RSP A10B

6-7-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33, 41,99	Var	7	26

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-15
CIVIL
STATE OF CALIFORNIA

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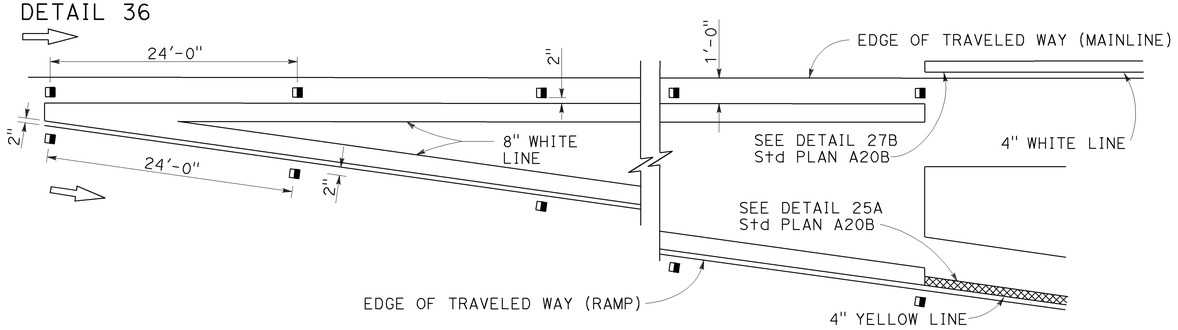
TO ACCOMPANY PLANS DATED 3-30-15

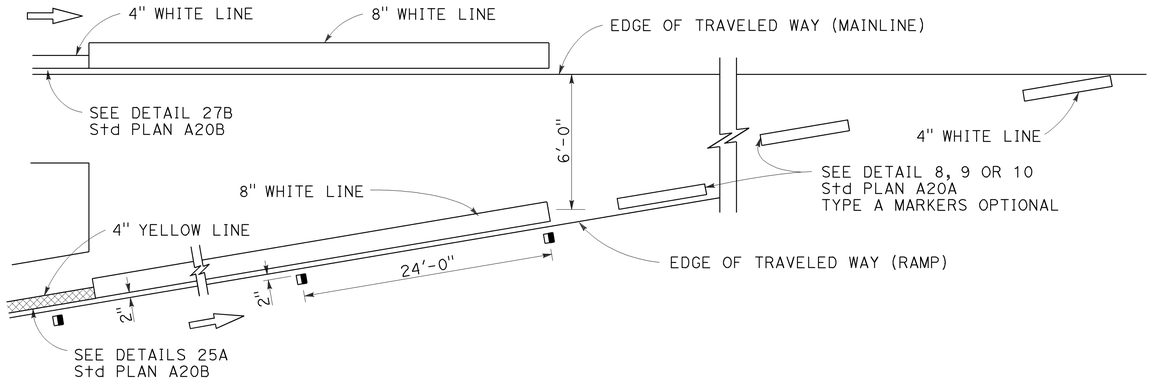
EXIT RAMP NEUTRAL AREA (GORE) TREATMENT

DETAIL 36



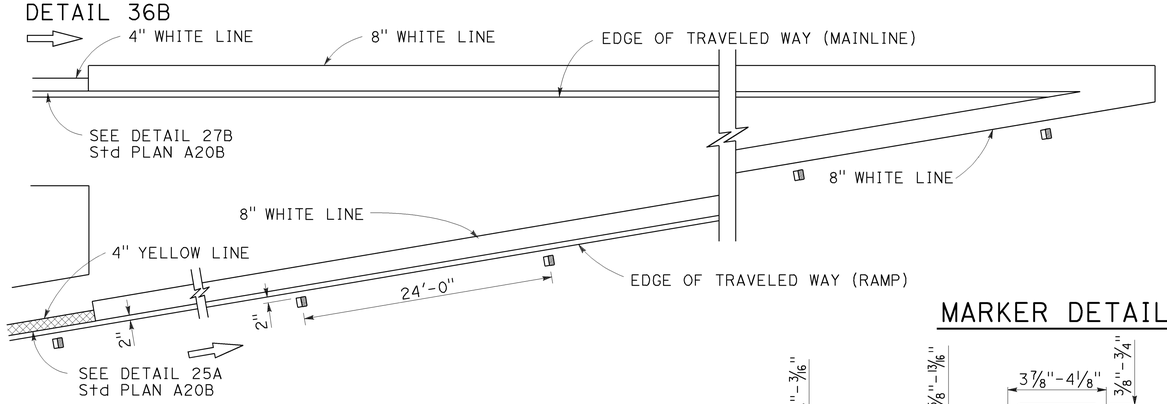
ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT

DETAIL 36A



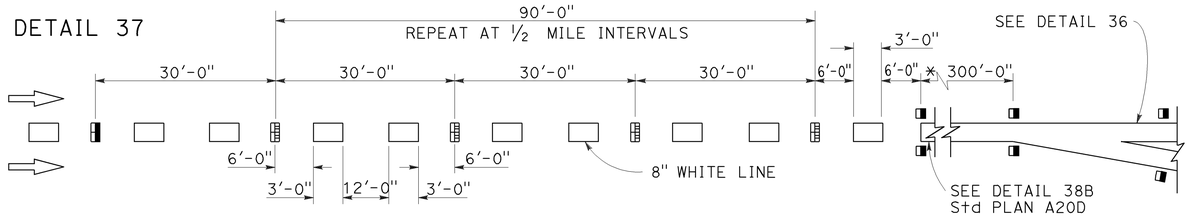
ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT

DETAIL 36B

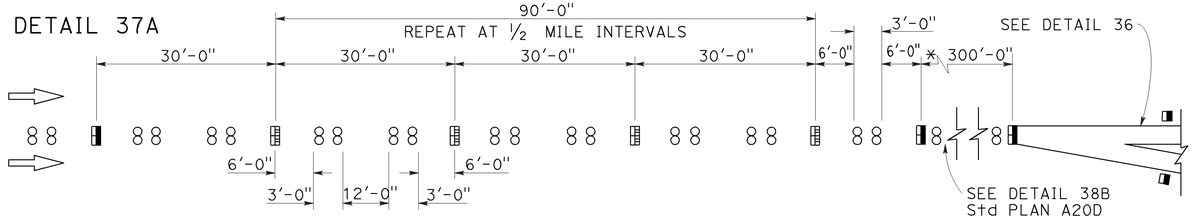


LANE DROP AT EXIT RAMPS

DETAIL 37



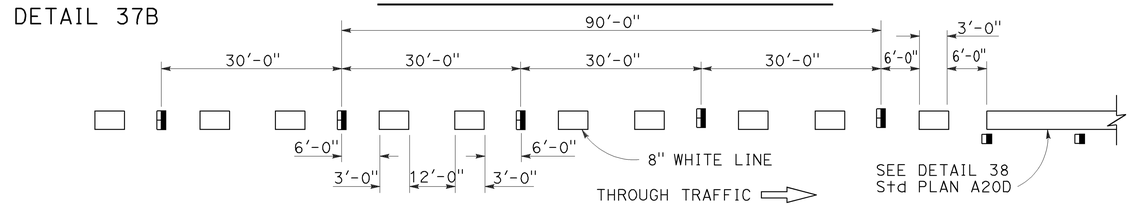
DETAIL 37A



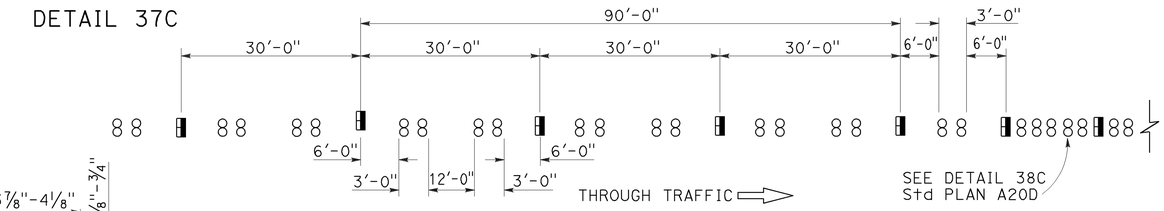
* The solid channelizing line shown may be omitted on short auxiliary lanes where weaving length is critical.

LANE DROP AT INTERSECTIONS

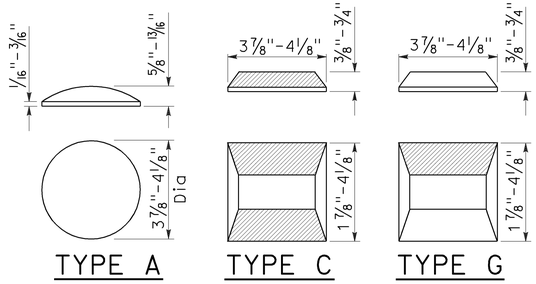
DETAIL 37B



DETAIL 37C



MARKER DETAILS



LEGEND:

MARKERS

- ○ TYPE A WHITE NON-REFLECTIVE
- ▣ TYPE C RED-CLEAR RETROREFLECTIVE
- ◨ TYPE G ONE-WAY CLEAR RETROREFLECTIVE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINE TYPICAL DETAILS

NO SCALE

RSP A20C DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A20C DATED MAY 20, 2011 - PAGE 11 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A20C

2010 REVISED STANDARD PLAN RSP A20C

4-29-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33, 41,99	Var	8	26

Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

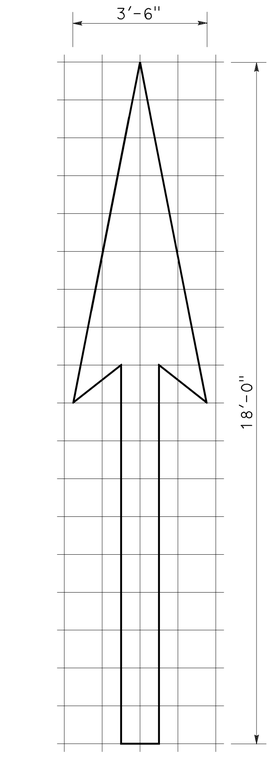
April 20, 2012
PLANS APPROVAL DATE

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.

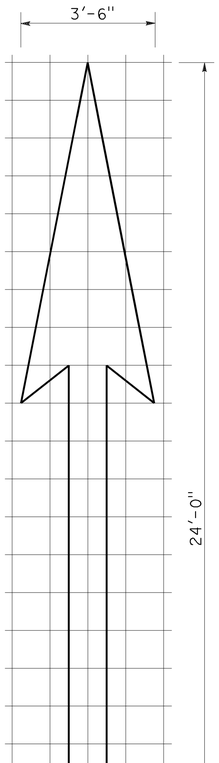
TO ACCOMPANY PLANS DATED 3-30-15

2010 REVISED STANDARD PLAN RSP A24A



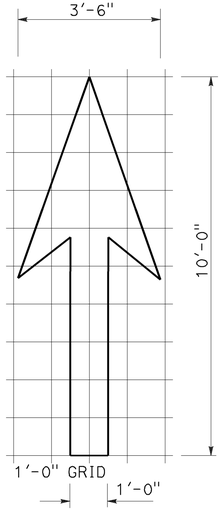
A=25 ft²

TYPE I 18'-0" ARROW



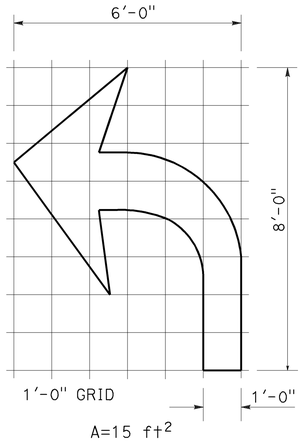
A=31 ft²

TYPE I 24'-0" ARROW



A=14 ft²

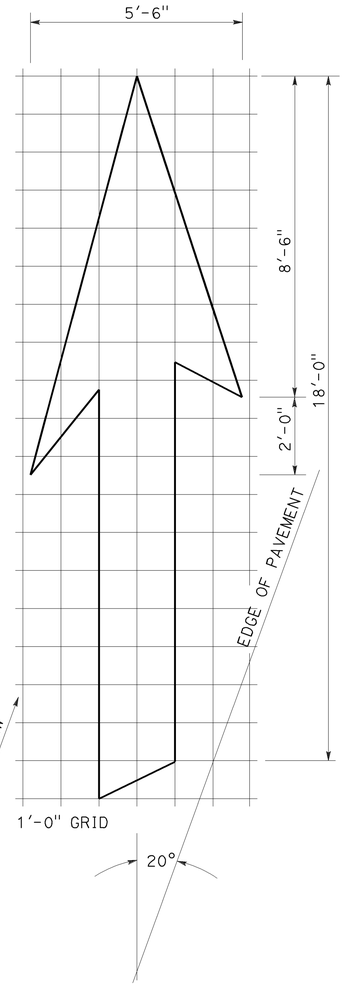
TYPE I 10'-0" ARROW



A=15 ft²

TYPE IV (L) ARROW

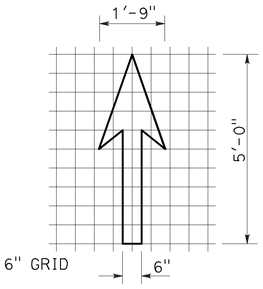
(For Type IV (R) arrow, use mirror image)



A=42 ft²

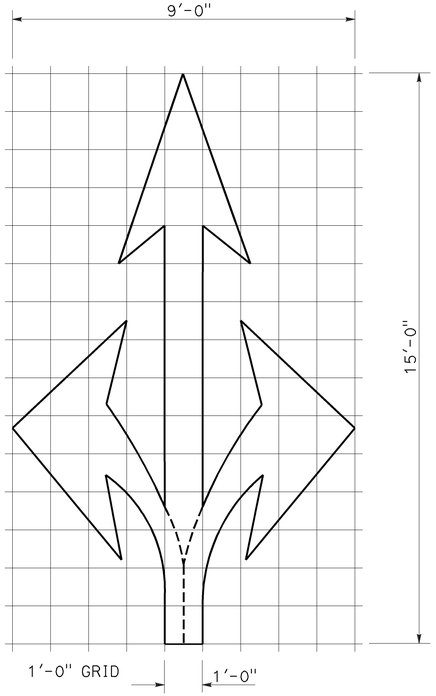
TYPE VI ARROW

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



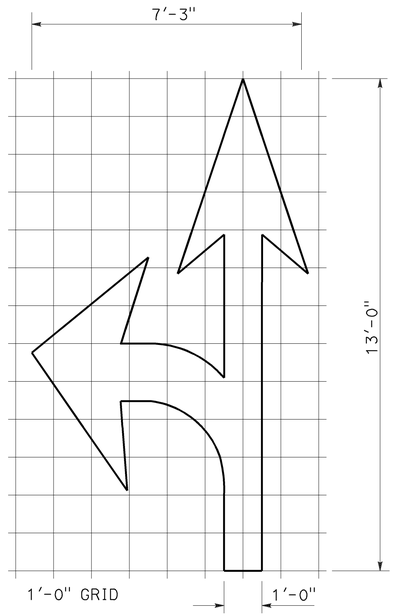
A=3.5 ft²

BIKE LANE ARROW



A=36 ft²

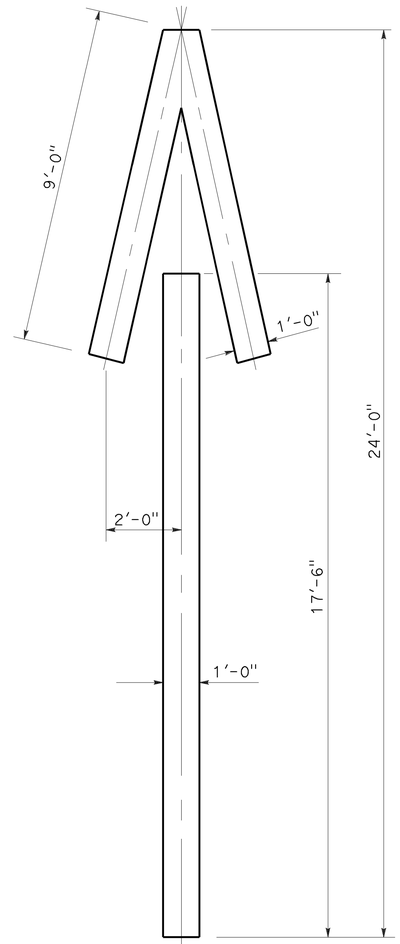
TYPE VIII ARROW



A=27 ft²

TYPE VII (L) ARROW

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



A=33 ft²

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
06	Fre,Ker, Kin,Mad,Tul	5,33, 41,99	Var	9	26

REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Gurinderpal Bhullar
No. C48815
Exp. 9-30-14
CIVIL
REGISTERED PROFESSIONAL ENGINEER
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 3-30-15

2010 REVISED STANDARD PLAN RSP T9

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
					X	Y	Z **
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	55	110	27
60	1440	720	360	240	60	120	30
65	1560	780	390	260	65	130	32
70	1680	840	420	280	70	140	35

* - For other offsets, use the following merging taper length formula for L:
For speed of 40 mph or less, $L = WS^2/60$
For speed of 45 mph or more, $L = WS$

Where: L = Taper length in feet
W = Width of offset in feet
S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
20	115	116	120	126
25	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
70	730	771	825	891

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Longitudinal buffer space or flagger station spacing

*** - Use on sustained downgrade steeper than -3 percent and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommmended distances.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TABLES FOR LANE AND RAMP CLOSURES

NO SCALE

RSP T9 DATED JULY 19, 2013 SUPERSEDES RSP T9 DATED APRIL 19, 2013 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T9

4-30-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33, 41,99	Var	10	26

REGISTERED CIVIL ENGINEER

April 19, 2013
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.

TO ACCOMPANY PLANS DATED 3-30-15

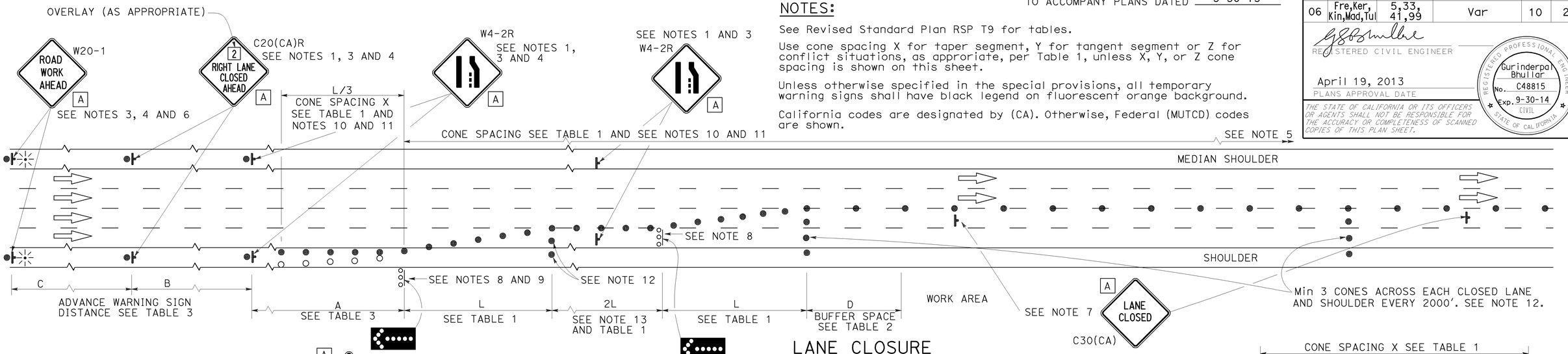
NOTES:

See Revised Standard Plan RSP T9 for tables.

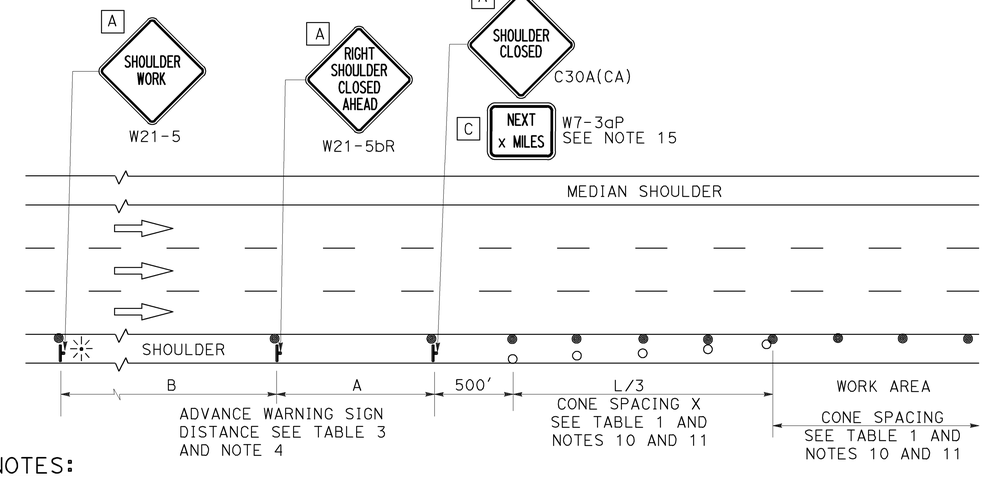
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

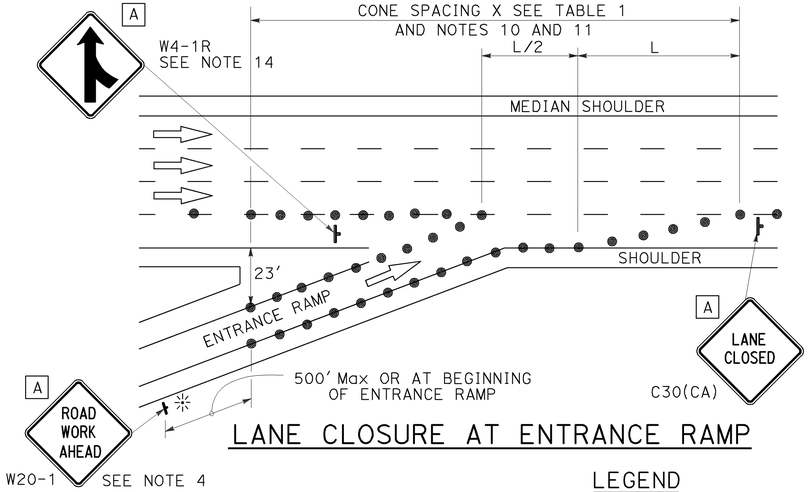
Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

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

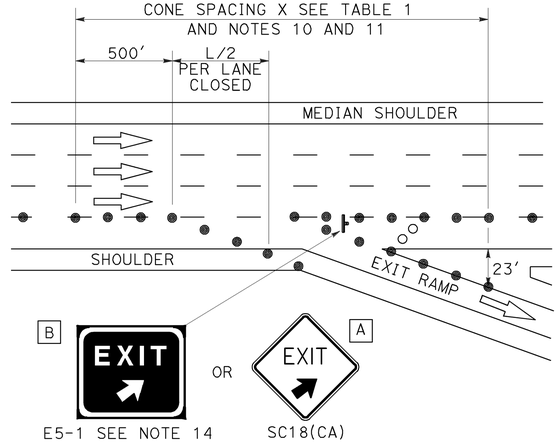


LANE CLOSURE





LANE CLOSURE AT ENTRANCE RAMP



LANE CLOSURE AT EXIT RAMP

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) 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 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.
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 theshoulder closure extends beyond the distance that can be perceived by road users.

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

12-18-12

TO ACCOMPANY PLANS DATED 3-30-15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33, 41,99	Var	11	26

REGISTERED CIVIL ENGINEER

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

April 19, 2013
PLANS APPROVAL DATE

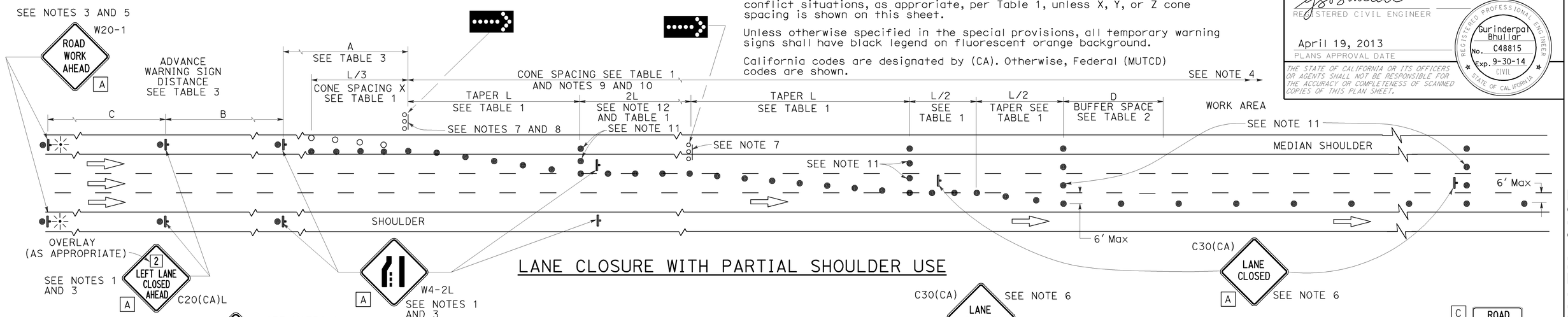
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES: See Revised Standard Plan RSP T9 for tables.

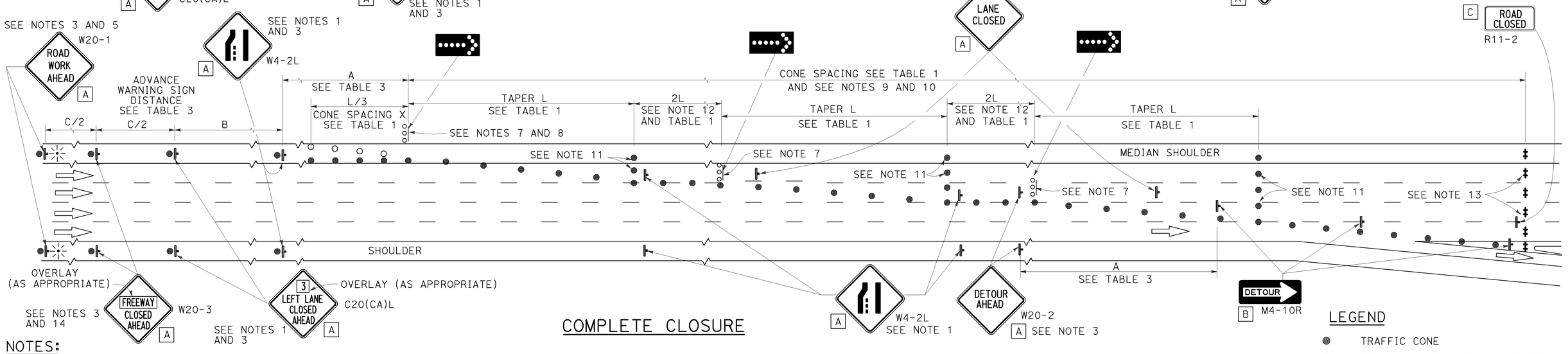
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

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.



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 as shown except that C20(CA)R and W4-2R 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 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.
5. 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.
6. Place a C30(CA) sign every 2000' throughout length of lane closure.
7. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
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 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
13. A minimum of Two Type II or III 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
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURES ON FREEWAYS AND EXPRESSWAYS

NO SCALE

RSP T10A DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10A DATED MAY 20, 2011 - PAGE 238 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10A

2010 REVISED STANDARD PLAN RSP T10A

12-18-12

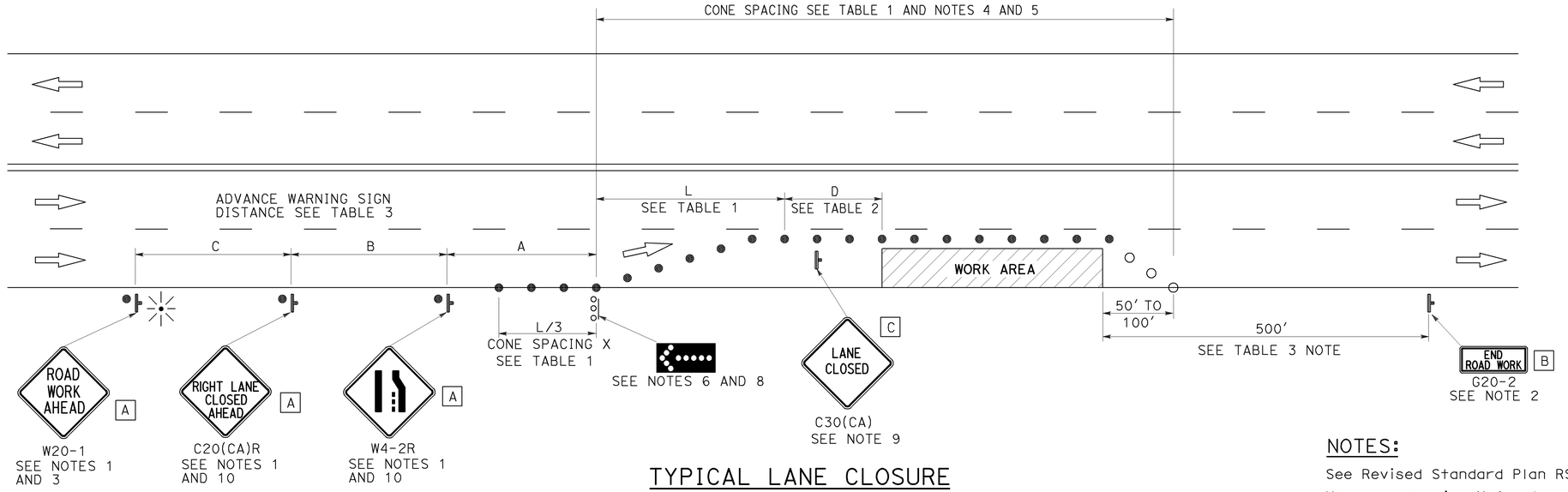
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33, 41,99	Var	12	26

REGISTERED CIVIL ENGINEER

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

April 19, 2013
PLANS APPROVAL DATE

TO ACCOMPANY PLANS DATED 3-30-15



TYPICAL LANE CLOSURE

NOTES:

1. 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.
2. 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.
3. 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.
4. All cones used for lane 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 closures only.
6. Flashing arrow sign shall be either Type I or Type II.
7. 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.
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. Place a C30(CA) sign every 2000' throughout length of lane closure.
10. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
11. 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.

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 approriate, 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.

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 36" x 18"
- C 30" x 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

RSP T11 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T11 DATED MAY 20, 2011 - PAGE 239 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T11

4-2-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33, 41,99	Var	13	26

Devinder Singh
REGISTERED CIVIL ENGINEER

October 17, 2014
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Devinder Singh — No. C50470 — Exp. 6-30-15 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 3-30-15

NOTES:

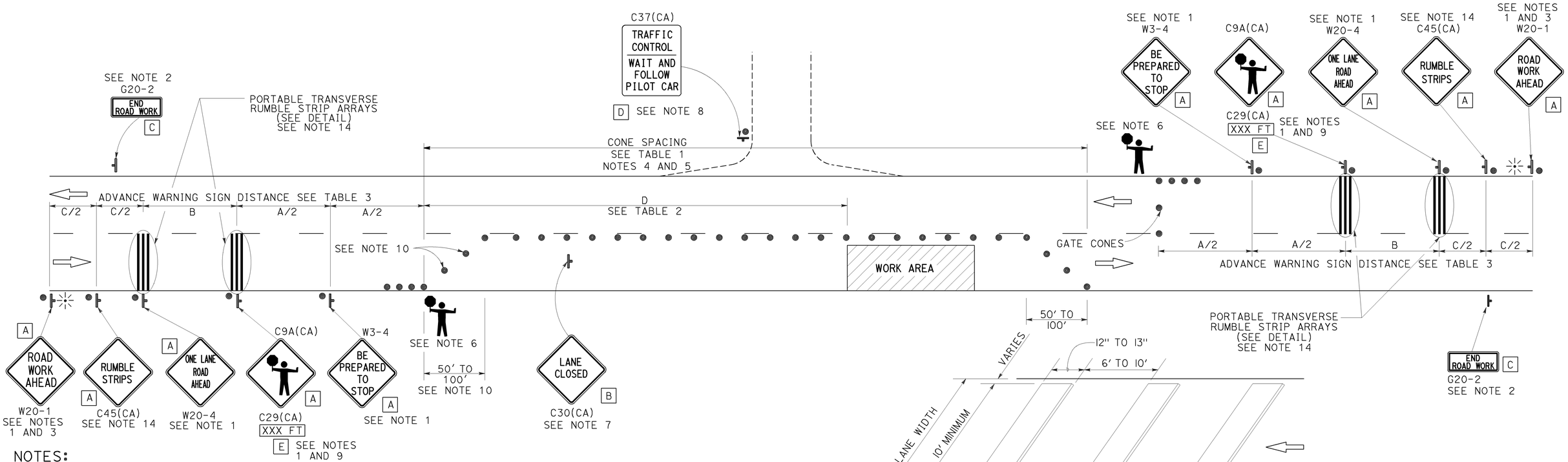
See Revised Standard Plan RSP T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as approriate, 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



NOTES:

1. 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.
2. 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.
3. 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.
4. All cones used for lane 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 closures only.
6. 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.
7. 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.
8. 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.
9. An optional C29(CA) sign may be placed below the C9A(CA) sign.
10. Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.
11. The color of the portable transverse rumble strips shall be black or orange. Use 2 arrays, each array shall consist of 3 rumble strips.
12. Portable transverse rumble strips shall not be placed on sharp horizontal or vertical curves nor shall they be placed through pedestrian crossings.
13. If the portable transverse rumble strips become out of alignment (skewed) by more than 6 inches, measured from one end to the other, they shall be readjusted to bring the placement back to the original location.
14. Portable transverse rumble strips are not required if any one of the following conditions is satisfied:
    A. Work duration occupies a location for four hours or less
    B. Posted speed limit is below 45 MPH
    C. Work is of emergency nature
    D. Work zone is in snow or icy weather conditions

PORTABLE TRANSVERSE RUMBLE STRIP ARRAY DETAIL

LEGEND

- TRAFFIC CONE
- TEMPORARY TRAFFIC CONTROL SIGN
- PORTABLE FLASHING BEACON
- FLAGGER

SIGN PANEL SIZE (Min)

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

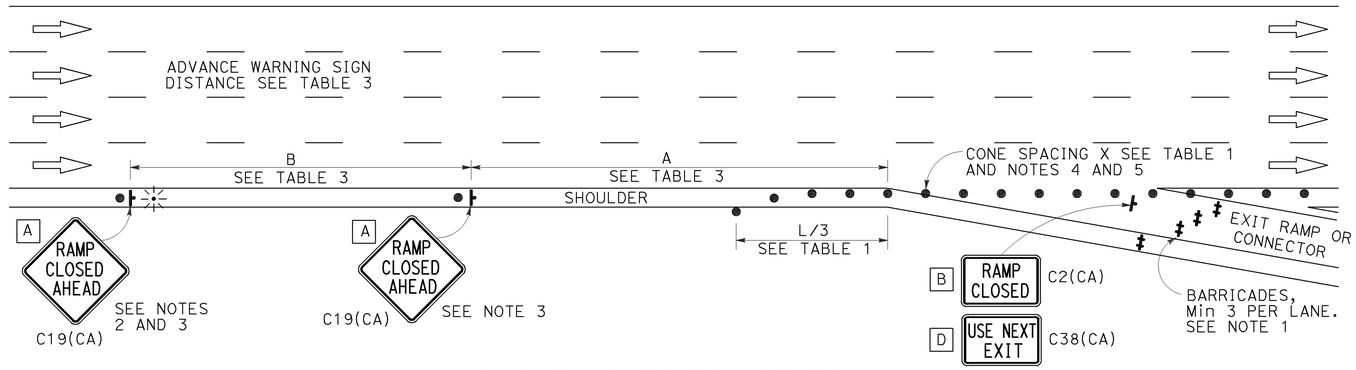
RSP T13 DATED OCTOBER 17, 2014 SUPERSEDES RSP T13 DATED JULY 18, 2014 AND RSP T13 DATED APRIL 19, 2013 AND STANDARD PLAN T13 DATED MAY 20, 2011 - PAGE 241 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T13

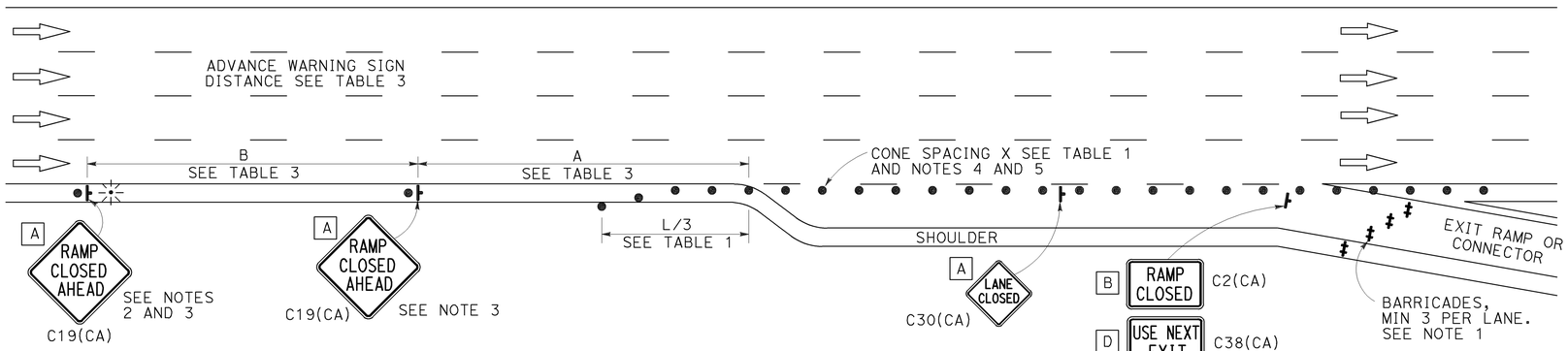
2010 REVISED STANDARD PLAN RSP T13

9-26-14

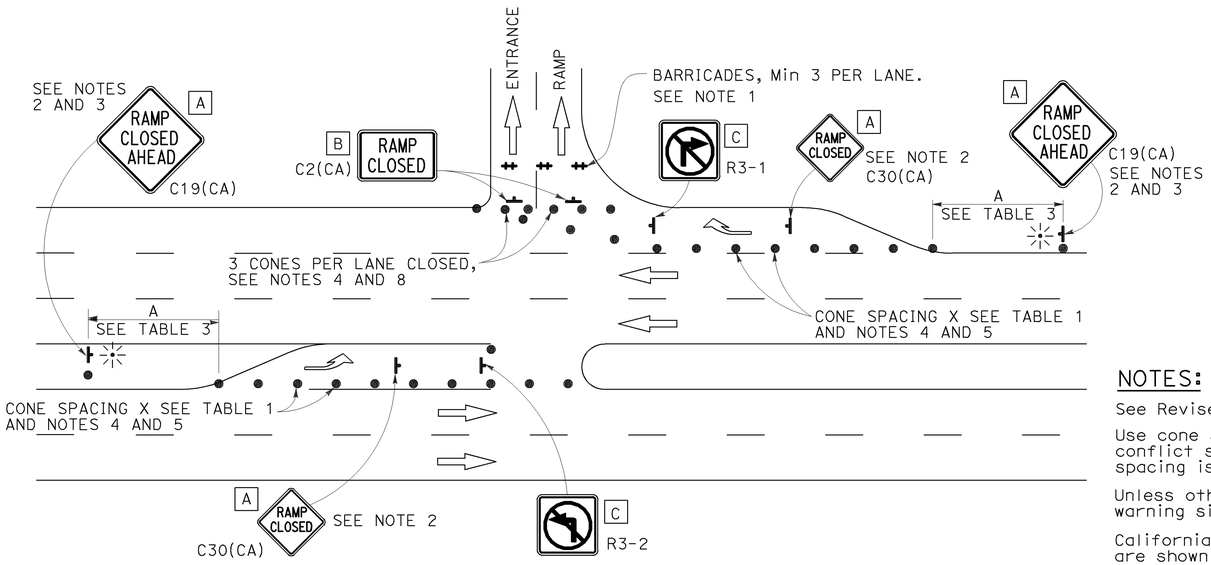
TYPICAL RAMP CLOSURES



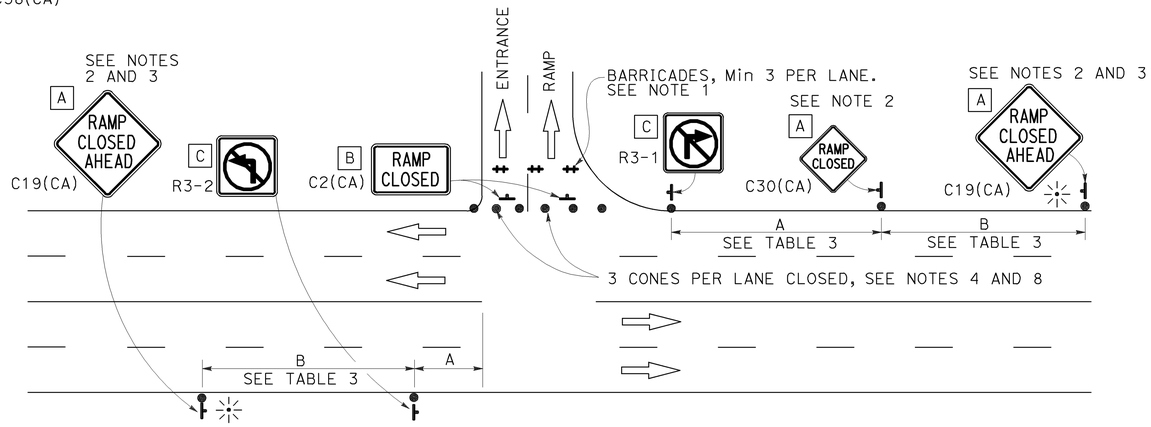
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

SIGN PANEL SIZE (Min)

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

LEGEND

- ● TRAFFIC CONE
- ⊢ TEMPORARY TRAFFIC CONTROL SIGN
- ‡ BARRICADES
- ⁘ PORTABLE FLASHING BEACON

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.

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 approriate, 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.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33, 41,99	Var	14	26

REGISTERED CIVIL ENGINEER

April 19, 2013
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.

TO ACCOMPANY PLANS DATED 3-30-15

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

2010 REVISED STANDARD PLAN RSP T14

12-18-12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33 41,99	Var	15	26

REGISTERED CIVIL ENGINEER — 3-11-15 DATE

3-30-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Quang Vo, No. C 055211, Exp.6-30-16, CIVIL, STATE OF CALIFORNIA

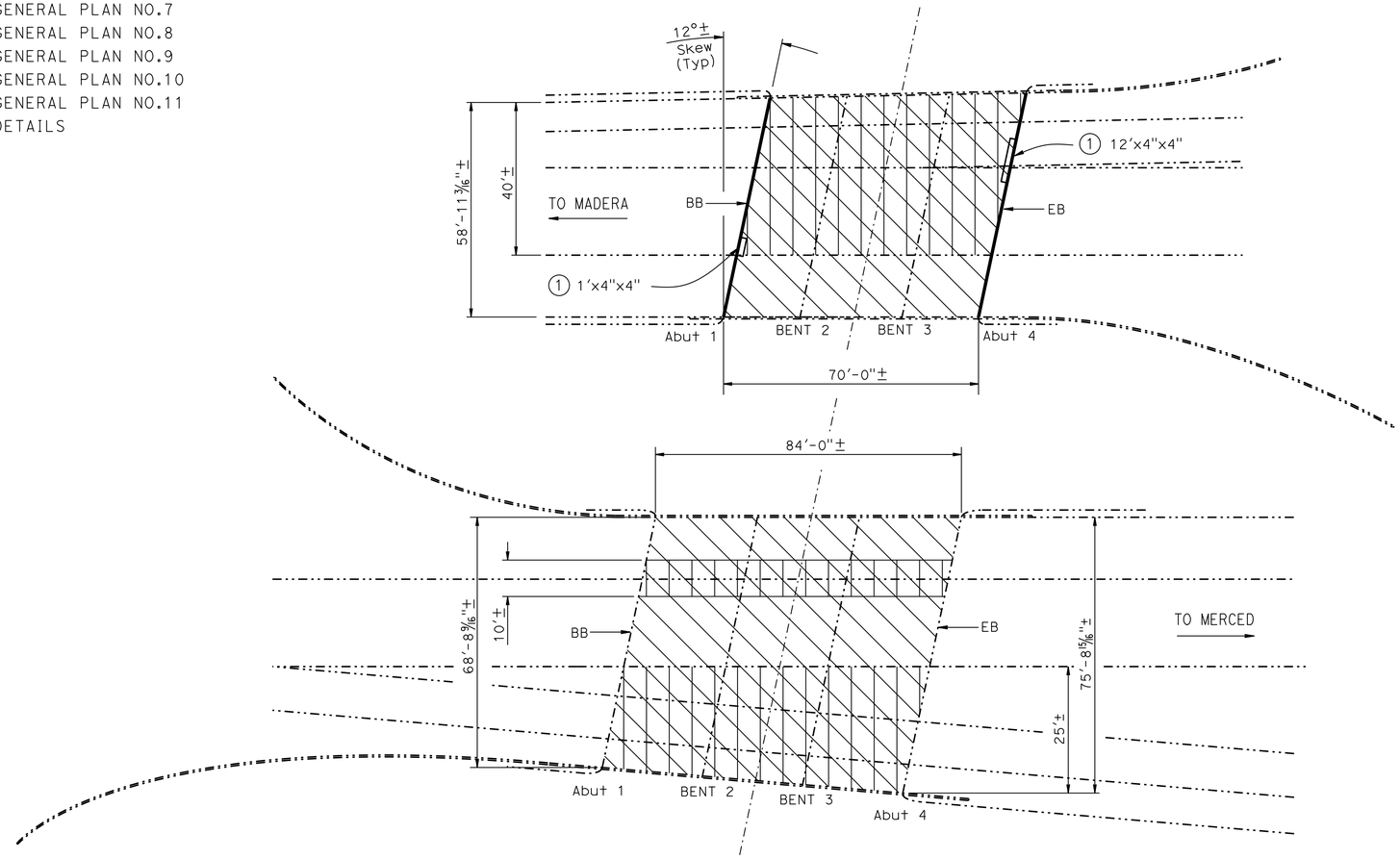
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

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	GENERAL PLAN NO.11
12	DETAILS

STANDARD PLANS DATED MAY 2010

SHEET NO.	TITLE
A10A	ABBREVIATIONS (SHEET 1 OF 2)
RSP A10B	ABBREVIATIONS (SHEET 2 OF 2)
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")



DRY CREEK

Br. No. 41-0005L/R, ROUTE 99, PM R16.10
1" = 20'

NOTES: (APPLY TO THIS SHEET ONLY)

- INDICATES EXISTING.
- INDICATES LIMITS OF CLEAN EXPANSION JOINT AND INSTALL NEW JOINT SEAL. FOR DETAILS SEE, "DETAILS" SHEET.
- INDICATES LIMITS OF PREPARE CONCRETE BRIDGE DECK SURFACE AND TREAT BRIDGE DECK WITH METHACRYLATE.
- INDICATES LIMITS OF REMOVE 1"± AC.
- (1) REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE.

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

DRY CREEK — BRIDGE NO. 41-0005L/R

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	2	CF
REMOVE ASPHALT CONCRETE SURFACING	9,576	SQFT
REMOVE UNSOUND CONCRETE	2	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	9,576	SQFT
TREAT BRIDGE DECK	9,576	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	107	GAL
CLEAN EXPANSION JOINT	121	LF
JOINT SEAL (MR 1")	122	LF

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	QUANG VO	ALI NOJOUMI			
DETAILS	NOOR ALZIREENI	ALI NOJOUMI	LAYOUT	NOOR ALZIREENI	QUANG VO
QUANTITIES	QUANG VO	ALI NOJOUMI	SPECIFICATIONS	JENNIFER RAMIREZ	JENNIFER RAMIREZ

DESIGN ENGINEER — 3-11-15

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIES
POST MILE VARIOUS

ROUTE 5,33,41 & 99 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: 3488
PROJECT NUMBER & PHASE: 0614000101
CONTRACT NO.: 06-0Q8801

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
6-11-14	3-11-15	1-5-15	2-9-15	1	12

USERNAME => s118789 DATE PLOTTED => 15-APR-2015 TIME PLOTTED => 11:10

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33 41,99	Var	16	26

REGISTERED CIVIL ENGINEER — DATE 3-11-15

3-30-15
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Quang Vo — No. C 055211 — Exp.6-30-16 — CIVIL — STATE OF CALIFORNIA

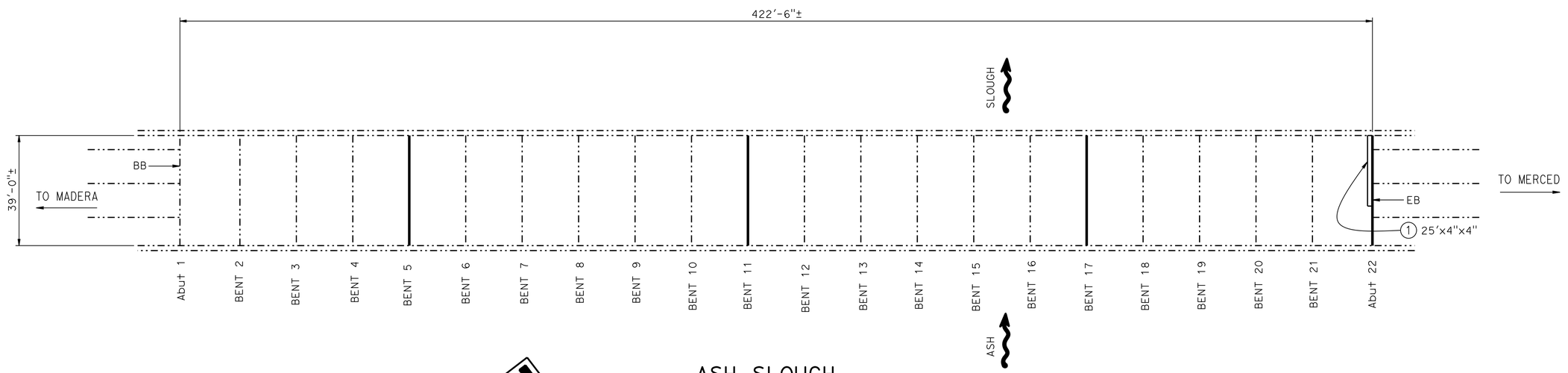
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

NOTES: (APPLY TO THIS SHEET ONLY)

-·-·-·- INDICATES EXISTING.

——— INDICATES LIMITS OF CLEAN EXPANSION JOINT AND INSTALL NEW JOINT SEAL. FOR DETAILS SEE, "DETAILS" SHEET.

(1) REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE.



ASH SLOUGH

Br. No. 41-0045R, ROUTE 99, PM 26.80
1" = 20'

ASH SLOUGH — BRIDGE NO. 41-0045R

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	34	CF
REMOVE UNSOUND CONCRETE	34	CF
CLEAN EXPANSION JOINT	121	LF
JOINT SEAL (MR 1")	121	LF

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

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	QUANG VO	ALI NOJOUMI			
DETAILS	NOOR ALZIREENI	ALI NOJOUMI	LAYOUT	NOOR ALZIREENI	QUANG VO
QUANTITIES	QUANG VO	ALI NOJOUMI	SPECIFICATIONS	JENNIFER RAMIREZ	JENNIFER RAMIREZ

DESIGN ENGINEER — 3-11-15

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIES
POST MILE VARIOUS

ROUTE 5,33,41 & 99 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: 3488
PROJECT NUMBER & PHASE: 0614000101
CONTRACT NO.: 06-008801

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
4-11-14	10-28-14	1-5-15		2	12

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USERNAME => s118789 DATE PLOTTED => 15-APR-2015 TIME PLOTTED => 11:10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33 41,99	Var	17	26

REGISTERED CIVIL ENGINEER — DATE 3-11-15

Quang Vo, No. C 055211, Exp. 6-30-16, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

PLANS APPROVAL DATE 3-30-15

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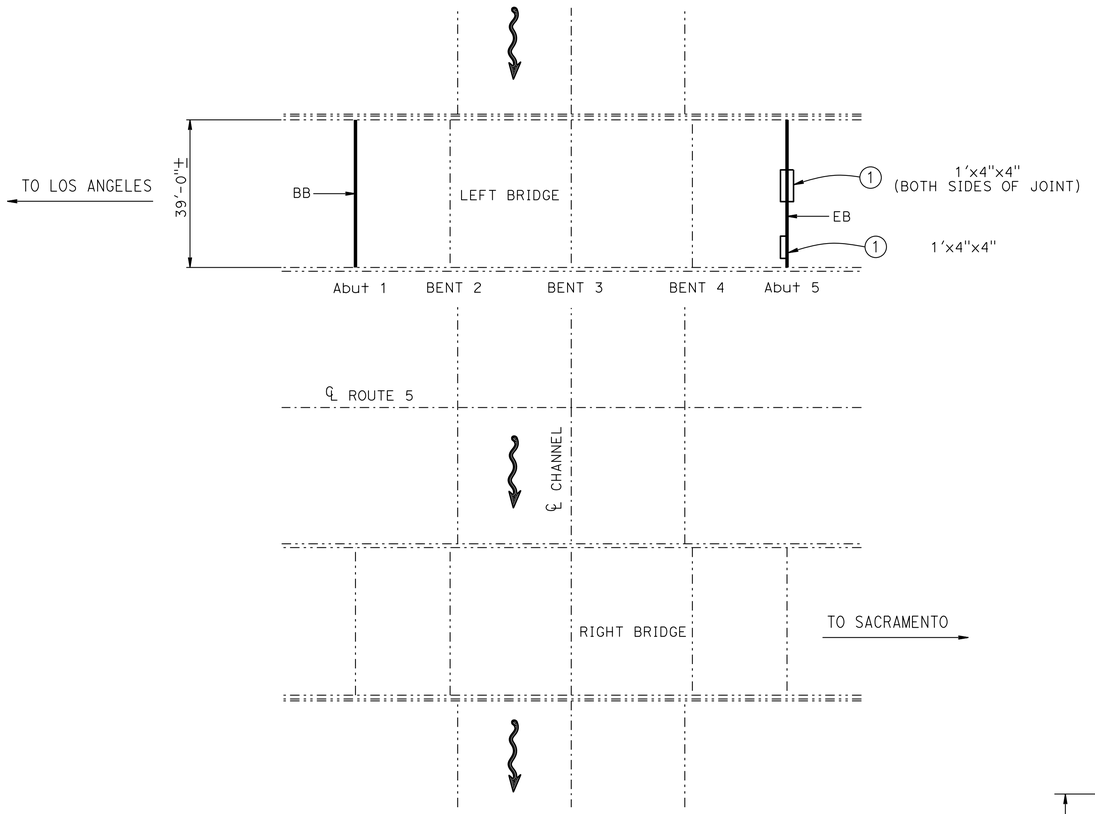
NOTES: (APPLY TO THIS SHEET ONLY)

- INDICATES EXISTING.
- INDICATES LIMITS OF CLEAN EXPANSION JOINT AND INSTALL NEW JOINT SEAL. FOR DETAILS SEE, "DETAILS" SHEET.
- INDICATES LIMITS OF REMOVE 1" ± AC SURFACE AND PLACE 1" HMA.
- (1) REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE.
- (2) EPOXY INJECTION SEAL, ABUT 1 UNDERNEATH BACKWALL CRACKS VARIES IN LENGTHS AND TOTAL APPROXIMATELY 20'-0± .



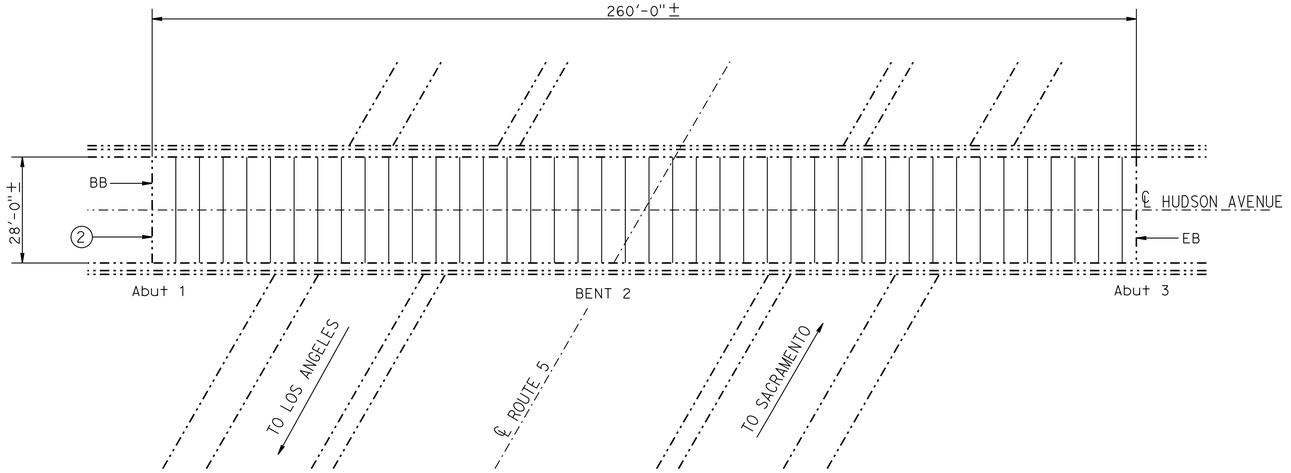
CANTUA CREEK

Br. No. 42-0239L, ROUTE 5, PM R28.50
1" = 20'

CANTUA CREEK — BRIDGE NO. 42-0239L

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	1	CF
REMOVE UNSOUND CONCRETE	1	CF
CLEAN EXPANSION JOINT	78	LF
JOINT SEAL (MR 1")	79	LF



HUDSON AVE OC

Br. No. 42-0245, ROUTE 5, PM 43.17
1" = 20'

HUDSON AVE OC — BRIDGE NO. 42-0245

QUANTITIES

INJECT CRACK (EPOXY)	20	LF
REMOVE ASPHALT CONCRETE SURFACING	7,280	SQFT
HOT MIX ASPHALT (BRIDGE)	46	TON

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

DESIGN ENGINEER — 3-11-15

	BY	CHECKED
DESIGN	QUANG VO	ALI NOJOUMI
DETAILS	NOOR ALZIREENI	ALI NOJOUMI
QUANTITIES	QUANG VO	ALI NOJOUMI

LOAD FACTOR DESIGN — LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD

	BY	CHECKED
LAYOUT	NOOR ALZIREENI	QUANG VO
SPECIFICATIONS	JENIFFER RAMIREZ	PLANS AND SPECS COMPARED: JENIFFER RAMIREZ

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIES
POST MILE VARIOUS

ROUTE 5,33,41 & 99 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: 3488
PROJECT NUMBER & PHASE: 0614000101
CONTRACT NO.: 06-008801

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
6-11-14	3-11-15	12-8-14	1-5-15	3	12

FILE => 06_0q8801_cgp.dgn

USERNAME => s1178789 DATE PLOTTED => 15-APR-2015 TIME PLOTTED => 11:10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33 41,99	Var	18	26

REGISTERED CIVIL ENGINEER — DATE 3-11-15

PLANS APPROVAL DATE 3-30-15

REGISTERED PROFESSIONAL ENGINEER — Quang Vo, No. C 055211, Exp.6-30-16, CIVIL, STATE OF CALIFORNIA

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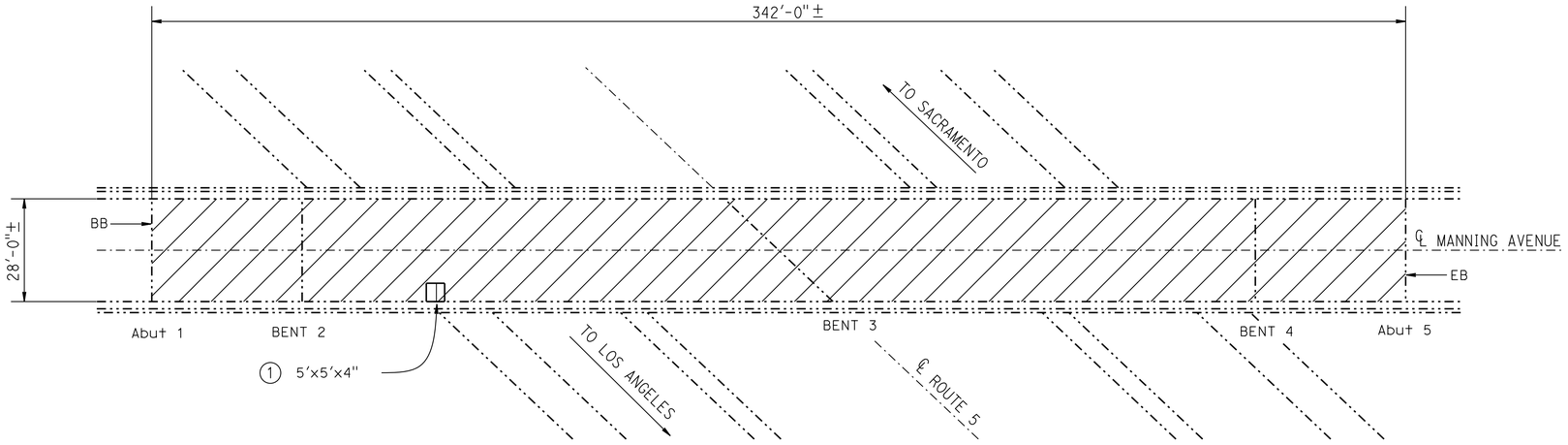


MANNING AVE OC — BRIDGE NO. 42-0247

QUANTITIES

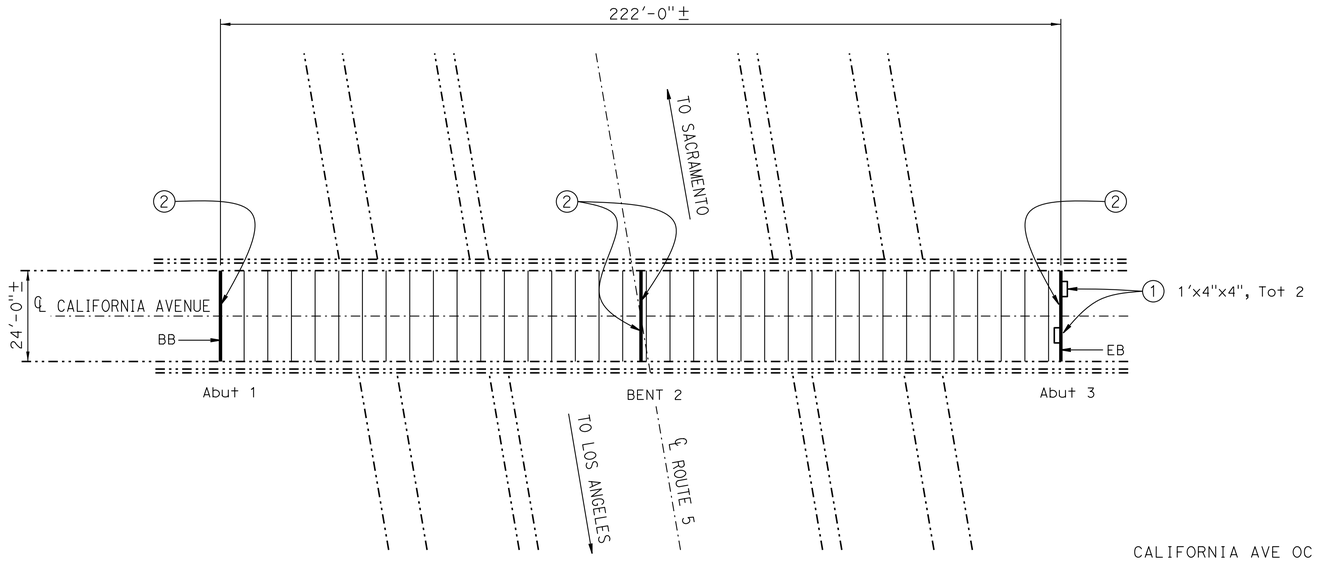
RAPID SETTING CONCRETE (PATCH)	9	CF
REMOVE ASPHALT CONCRETE SURFACING	9,576	SQFT
REMOVE UNSOUND CONCRETE	9	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	9,576	SQFT
TREAT BRIDGE DECK	9,576	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	107	GAL

MANNING AVE OC

Br. No. 42-0247, ROUTE 5, PM 45.80
1" = 20'

NOTES: (APPLY TO THIS SHEET ONLY)

- INDICATES EXISTING.
- INDICATES LIMITS OF CLEAN EXPANSION JOINT AND INSTALL NEW JOINT SEAL. FOR DETAILS SEE, "DETAILS" SHEET.
- INDICATES LIMITS OF REMOVE 1 " ±AC SUFACE AND PLACE 1 " HMA OVERLAY.
- INDICATES LIMITS OF REMOVE 1" ±AC SURFACE, PREPARE CONCRETE BRIDGE DECK SURFACE, AND TREAT BRIDGE DECK WITH METHACRYLATE.
- ① REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE.
- ② EXISTING POLYESTER CONCRETE EXPANSION DAM TO REMAIN.



CALIFORNIA AVE OC — BRIDGE NO. 42-0251

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	1	CF
REMOVE ASPHALT CONCRETE SURFACING	5,328	SQFT
REMOVE UNSOUND CONCRETE	1	CF
HOT MIX ASPHALT (BRIDGE)	33	TON
CLEAN EXPANSION JOINT	75	LF
JOINT SEAL (MR 1")	25	LF
JOINT SEAL (MR ½")	50	LF

CALIFORNIA AVE OC

Br. No. 42-0251, ROUTE 5, PM R55.57
1" = 20'

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

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	QUANG VO	ALI NOJOUMI			
DETAILS	NOOR ALZIREENI	ALI NOJOUMI	LAYOUT	NOOR ALZIREENI	QUANG VO
QUANTITIES	QUANG VO	ALI NOJOUMI	SPECIFICATIONS	JENIFFER RAMIREZ	JENIFFER RAMIREZ

DESIGN ENGINEER — 3-11-15

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIES
POST MILE VARIOUS

ROUTE 5,33,41 & 99 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: 3488
PROJECT NUMBER & PHASE: 0614000101
CONTRACT NO.: 06-008801

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
4-11-14	3-14-15	3-30-15	1-5-15	4	12

FILE => 06_0q8801_dgp.dgn

USERNAME => s118789 DATE PLOTTED => 15-APR-2015 TIME PLOTTED => 11:10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33 41,99	Var	19	26

REGISTERED CIVIL ENGINEER — DATE 3-11-15

PLANS APPROVAL DATE 3-30-15

REGISTERED PROFESSIONAL ENGINEER — Quang Vo — No. C 055211 — Exp.6-30-16 — CIVIL — STATE OF CALIFORNIA

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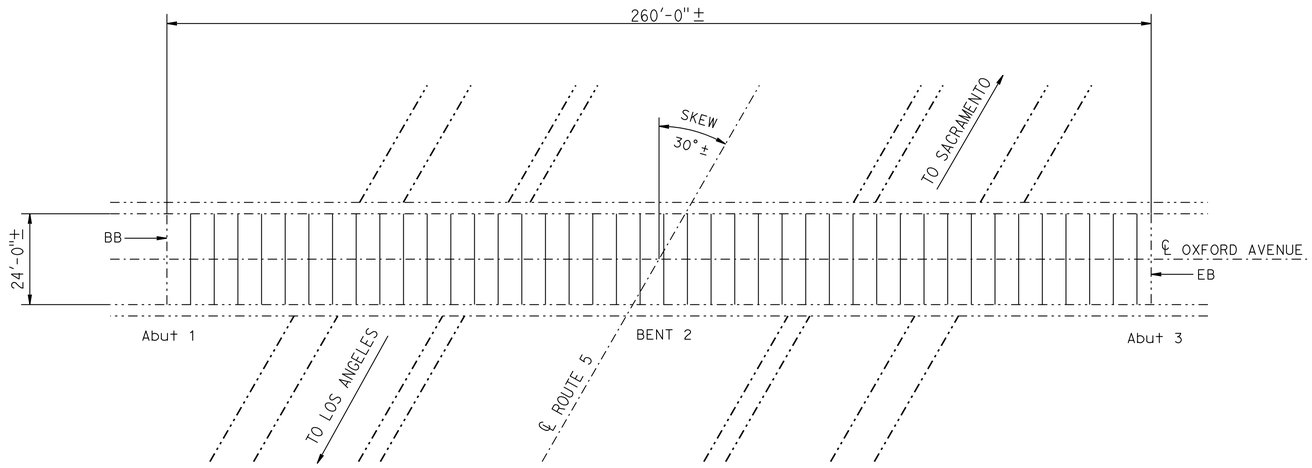


NOTES: (APPLY TO THIS SHEET ONLY)

INDICATES EXISTING.

INDICATES LIMITS OF REMOVE 1"± AC SURFACE AND PLACE 1" HMA OVERLAY.

INDICATES LIMITS OF PREPARE CONCRETE BRIDGE DECK SURFACE AND TREAT BRIDGE DECK WITH METHACRYLATE.

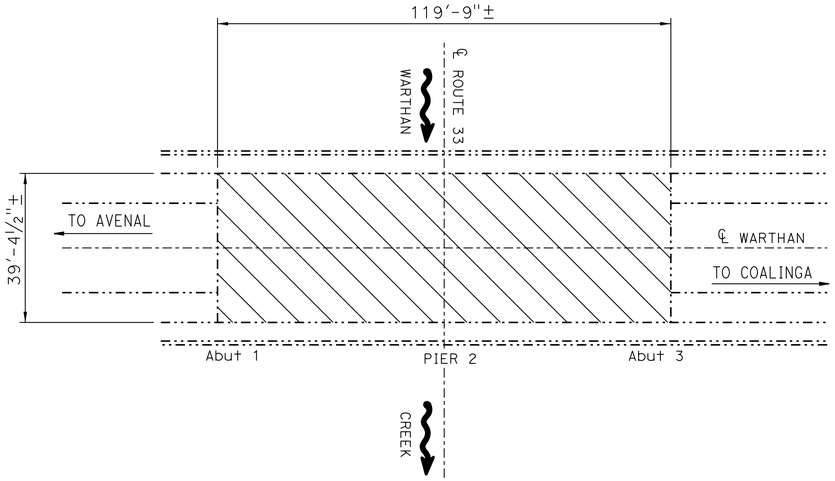
OXFORD AVE OC

Br. No. 42-0252, ROUTE 5, PM 58.71
1" = 20'

OXFORD AVE OC — BRIDGE NO. 42-0252

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	6,240 SQFT
HOT MIX ASPHALT (BRIDGE)	39 TON



WARTHAN CREEK — BRIDGE NO. 42-0424

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	4,712 SQFT
TREAT BRIDGE DECK	4,712 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	63 GAL

WARTHAN CREEK

Br. No. 42-0424, ROUTE 33, PM 14.88
1" = 20'

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

DESIGN ENGINEER 3-11-15

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	QUANG VO	ALI NOJOUMI			
DETAILS	NOOR ALZIREENI	ALI NOJOUMI	LAYOUT	NOOR ALZIREENI	QUANG VO
QUANTITIES	QUANG VO	ALI NOJOUMI	SPECIFICATIONS	JENIFFER RAMIREZ	JENIFFER RAMIREZ

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIES
POST MILE VARIOUS

ROUTE 5,33,41 & 99 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: 3488
PROJECT NUMBER & PHASE: 0614000101
CONTRACT NO.: 06-008801

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
4-11-14	3-11-15	12-8-14	1-9-15	5	12

FILE => 06_0q8801_egp.dgn

USERNAME => s118789 DATE PLOTTED => 15-APR-2015 TIME PLOTTED => 11:10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33 41,99	Var	20	26

REGISTERED CIVIL ENGINEER — DATE 3-11-15

3-30-15
PLANS APPROVAL DATE

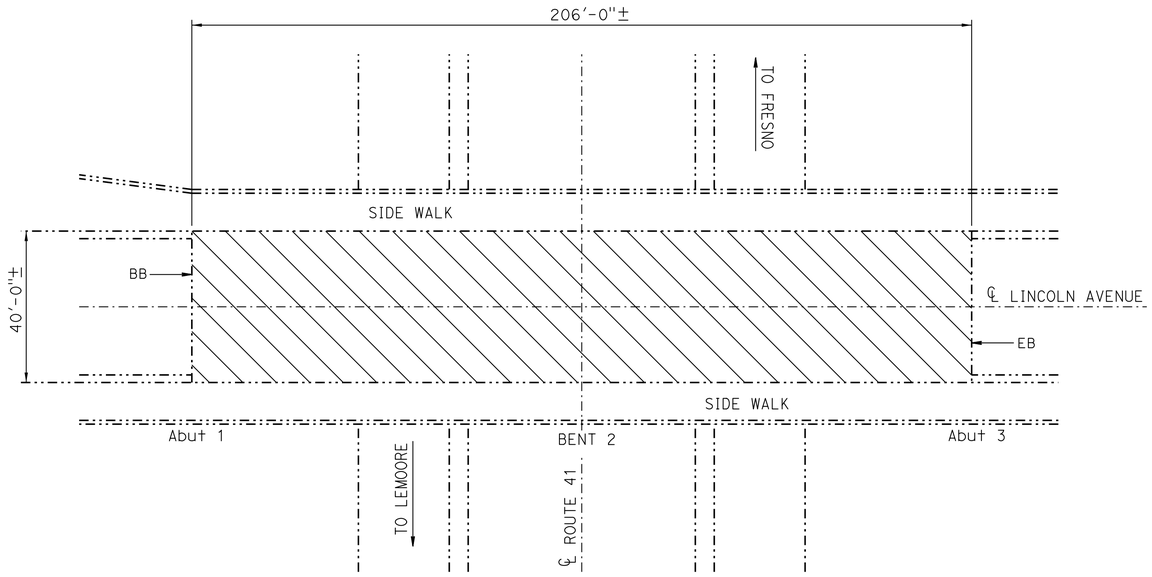
REGISTERED PROFESSIONAL ENGINEER — Quang Vo — No. C 055211 — Exp.6-30-16 — CIVIL — STATE OF CALIFORNIA

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.

INDICATES LIMITS OF PREPARE CONCRETE BRIDGE DECK SURFACE AND TREAT BRIDGE DECK WITH METHACRYLATE.



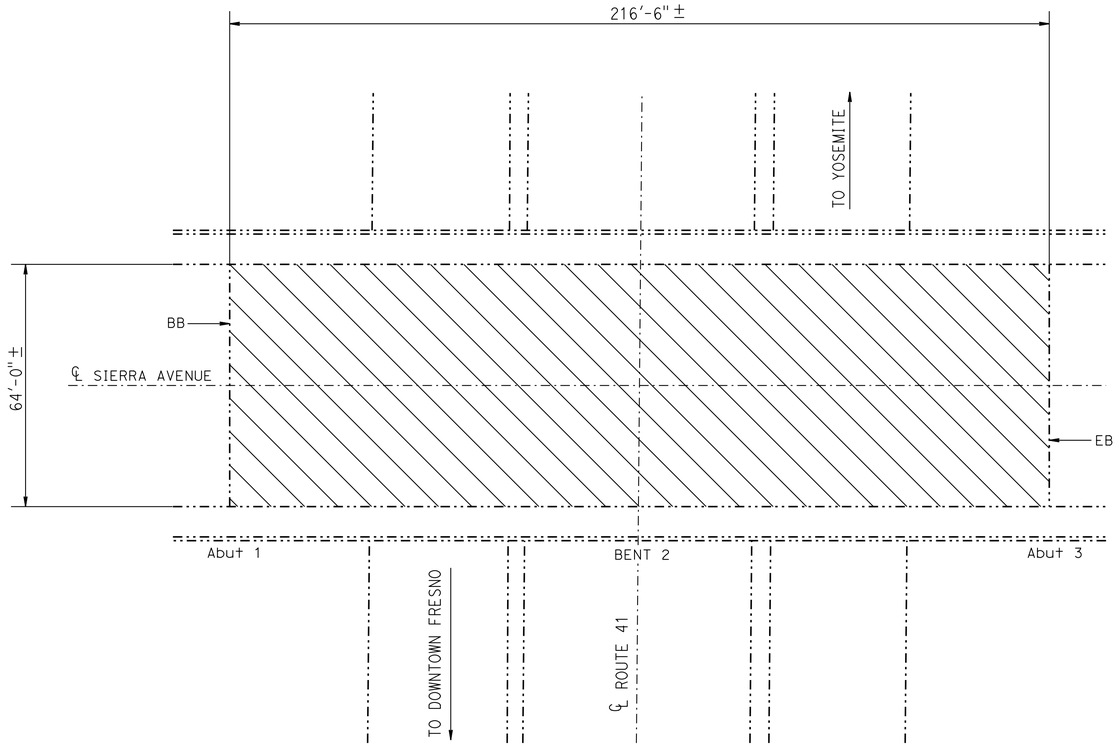
LINCOLN AVE OC

Br. No. 42-0144, ROUTE 41, PM R17.1
1" = 20'

LINCOLN AVE OC — BRIDGE NO. 42-0144

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	10,199	SQFT
TREAT BRIDGE DECK	10,199	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	132	GAL



SIERRA AVE OC — BRIDGE NO. 42-0304

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	13,856	SQFT
TREAT BRIDGE DECK	13,856	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	185	GAL

SIERRA AVE OC

Br. No. 42-0304, ROUTE 41, PM R29.96
1" = 20'

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

	BY	CHECKED	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	
DESIGN	QUANG VO	ALI NOJOUMI			
DETAILS	NOOR ALZIREENI	ALI NOJOUMI	LAYOUT	NOOR ALZIREENI	QUANG VO
QUANTITIES	QUANG VO	ALI NOJOUMI	SPECIFICATIONS	JENIFFER RAMIREZ	PLANS AND SPECS COMPARED JENIFFER RAMIREZ

DESIGN ENGINEER — 3-11-15

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIES
POST MILE VARIOUS

ROUTE 5,33,41 & 99 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: 3488
PROJECT NUMBER & PHASE: 0614000101
CONTRACT NO.: 06-0Q8801

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
4-11-14	10-27-14	1-5-15		6	12

FILE => 06_0q8801_fgp.dgn

USERNAME => s118789 DATE PLOTTED => 15-APR-2015 TIME PLOTTED => 11:10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33 41,99	Var	21	26

REGISTERED CIVIL ENGINEER — DATE 3-11-15

PLANS APPROVAL DATE 3-30-15

REGISTERED PROFESSIONAL ENGINEER — Quang Vo — No. C 055211 — Exp.6-30-16 — CIVIL — STATE OF CALIFORNIA

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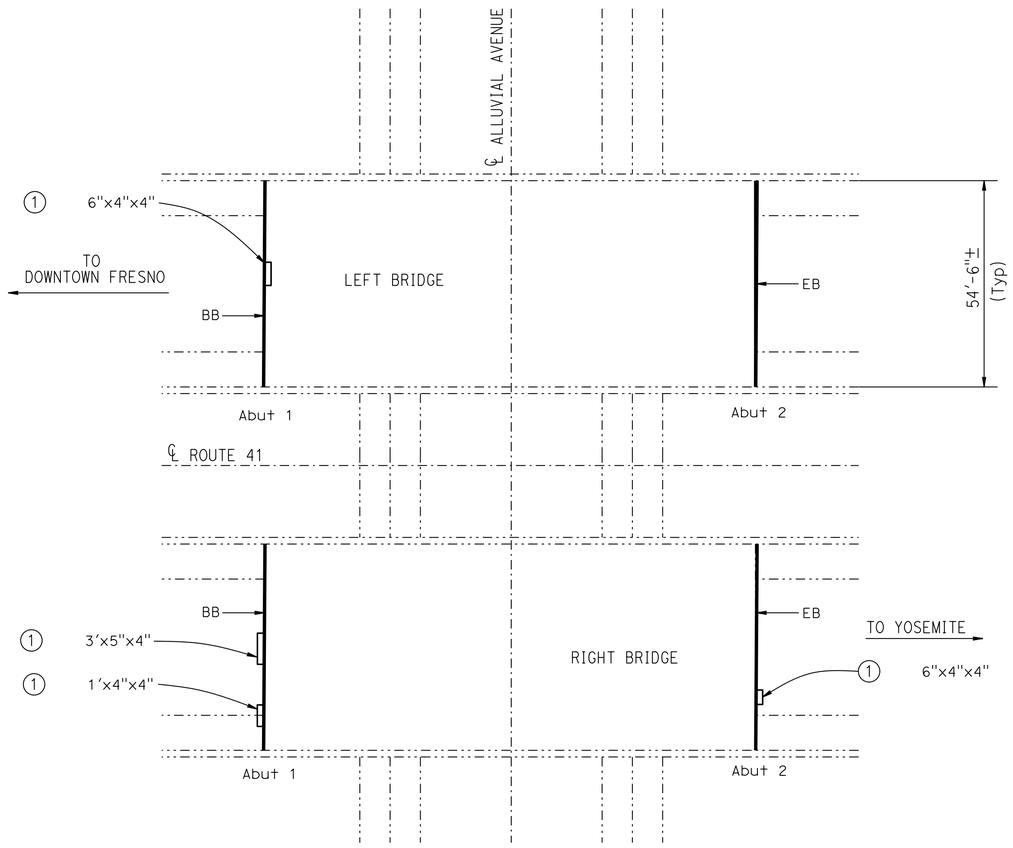
NOTES: (APPLY TO THIS SHEET ONLY)

- INDICATES EXISTING.
- INDICATES LIMITS OF CLEAN EXPANSION JOINT AND INSTALL NEW JOINT SEAL. FOR DETAILS SEE, "DETAILS" SHEET.
- INDICATES LIMITS OF PREPARE CONCRETE BRIDGE DECK SURFACE AND TREAT BRIDGE DECK WITH METHACRYLATE.
- (1) REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE.



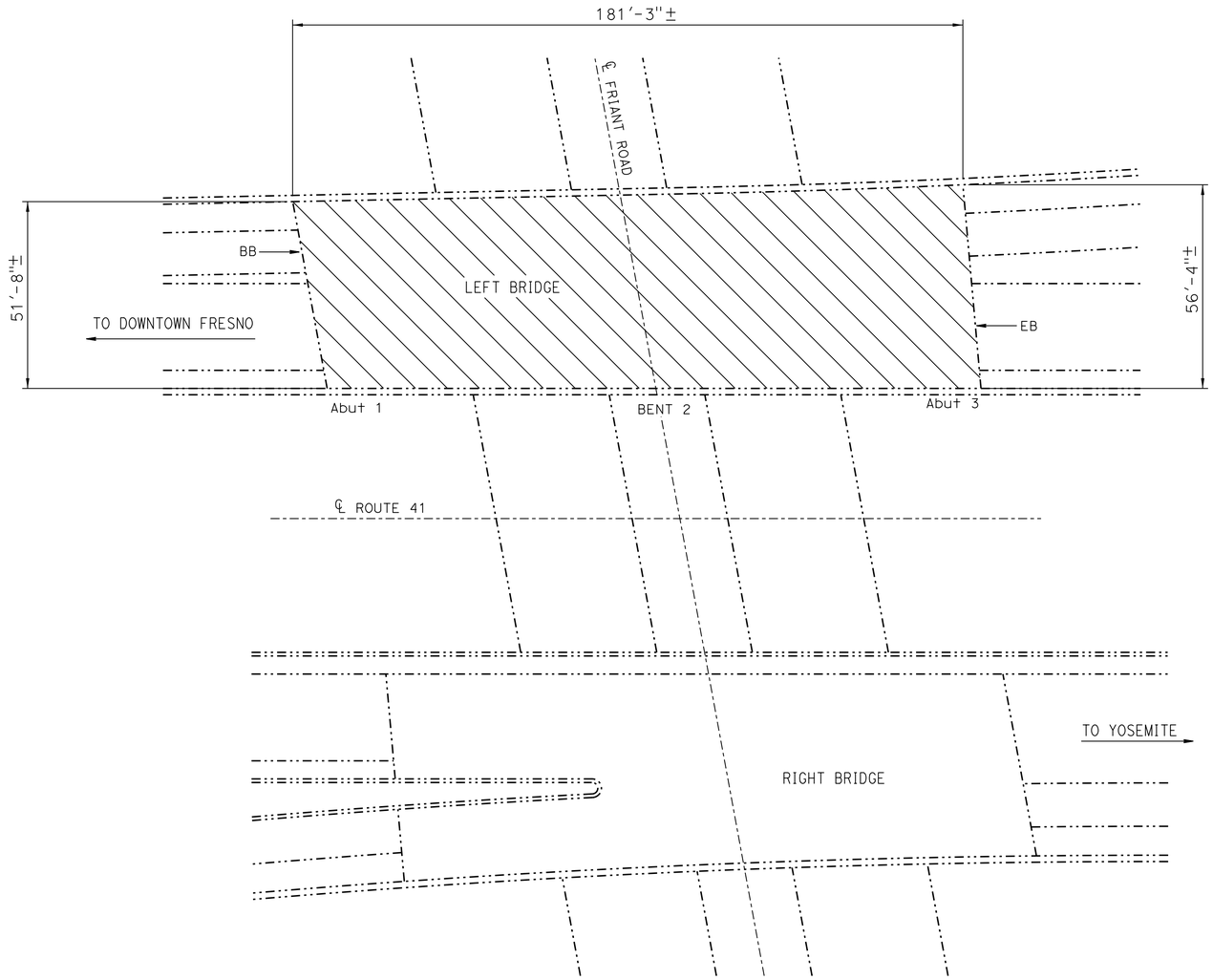
ALLUVIAL AVE UC

Br. No. 42-0386L/R, ROUTE 41, PM 30.95
1" = 20'

ALLUVIAL AVE UC — BRIDGE NO. 42-0386L/R

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	1	CF
REMOVE UNSOUND CONCRETE	1	CF
CLEAN EXPANSION JOINT	218	LF
JOINT SEAL (MR 1")	220	LF



FRIANT ROAD UC

Br. No. 42-0308L, ROUTE 41, PM R31.68
1" = 20'

FRIANT ROAD UC — BRIDGE NO. 42-0308L

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	9,878	SQFT
TREAT BRIDGE DECK	9,878	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	132	GAL

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

DESIGN	BY QUANG VO	CHECKED ALI NOJOUMI	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
DETAILS	BY NOOR ALZIREENI	CHECKED ALI NOJOUMI	LAYOUT	BY NOOR ALZIREENI	CHECKED QUANG VO		
QUANTITIES	BY QUANG VO	CHECKED ALI NOJOUMI	SPECIFICATIONS	BY JENNIFER RAMIREZ	PLANS AND SPECS COMPARED JENNIFER RAMIREZ		

DESIGN ENGINEER — 11-15

BRIDGE NO. VARIES
POST MILE VARIOUS

ROUTE 5,33,41 & 99 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: 3488
PROJECT NUMBER & PHASE: 0614000101
CONTRACT NO.: 06-008801

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
4-11-14	10-28-14	1-5-15	3-11-15	7	12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33 41,99	Var	22	26

REGISTERED CIVIL ENGINEER — DATE 3-11-15

PLANS APPROVAL DATE 3-30-15

REGISTERED PROFESSIONAL ENGINEER — Quang Vo — No. C 055211 — Exp.6-30-16 — CIVIL — STATE OF CALIFORNIA

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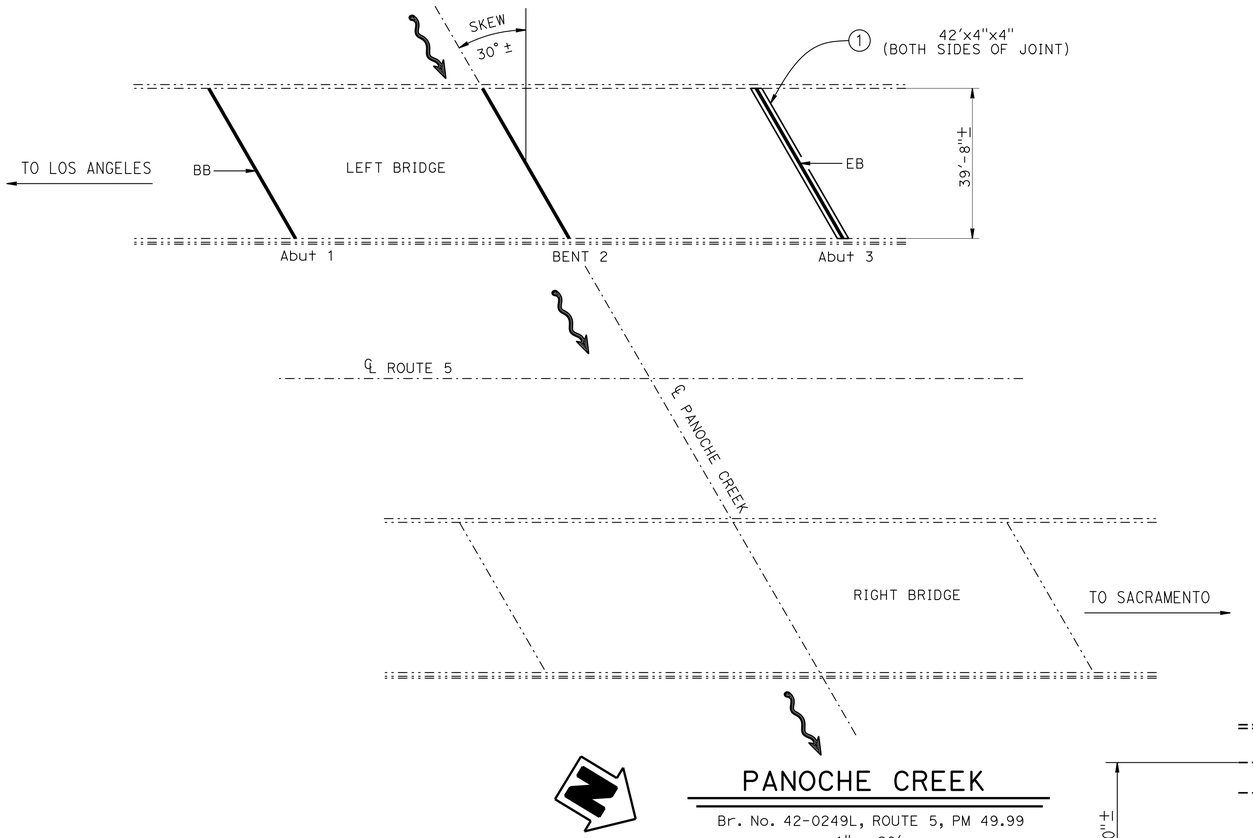
NOTES: (APPLY TO THIS SHEET ONLY)

- INDICATES EXISTING.
- INDICATES LIMITS OF CLEAN EXPANSION JOINT AND INSTALL NEW JOINT SEAL. FOR DETAILS SEE, "DETAILS" SHEET.
- INDICATES LIMITS OF PREPARE CONCRETE BRIDGE DECK SURFACE AND TREAT BRIDGE DECK WITH METHACRYLATE.
- (1) REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE.



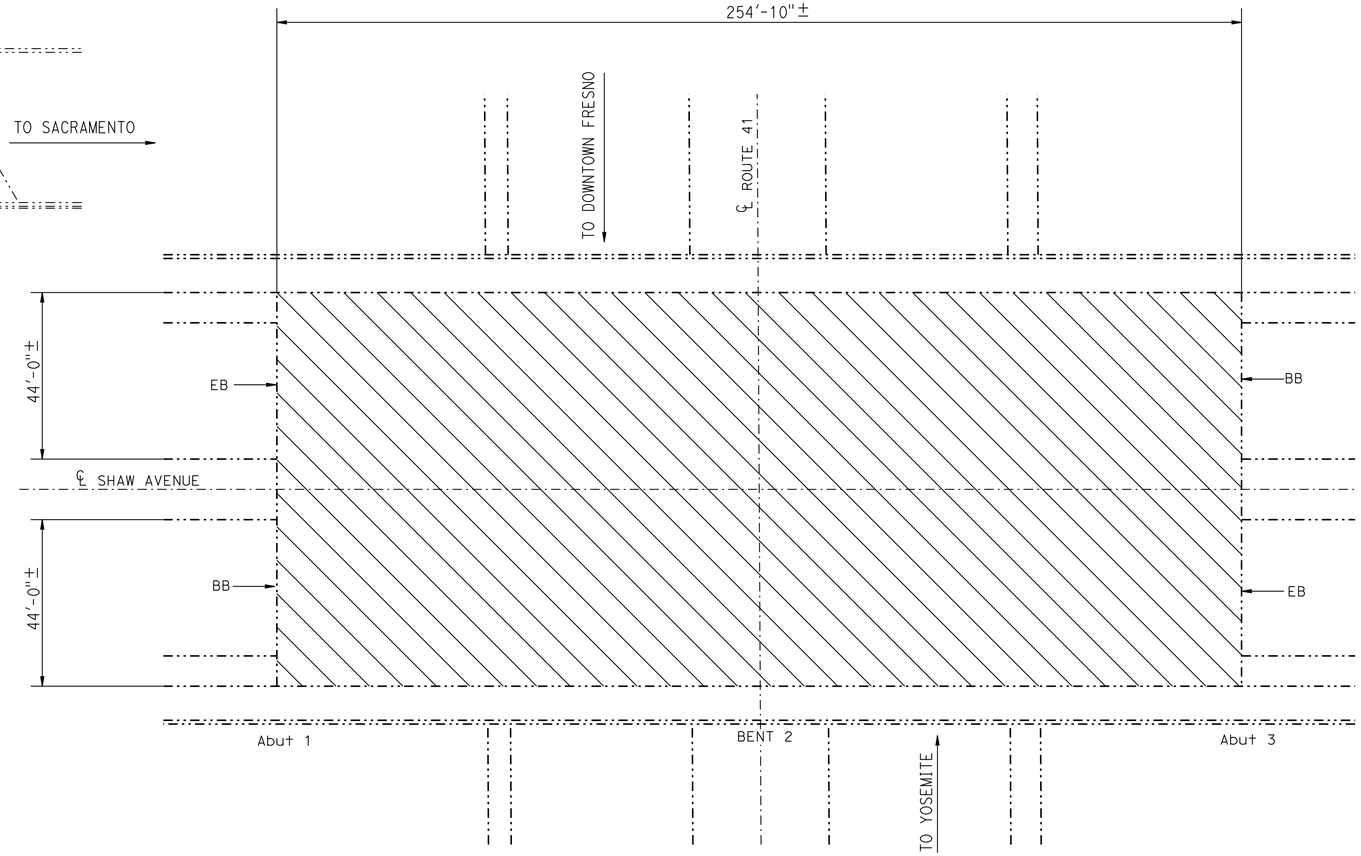
PANOCHE CREEK

Br. No. 42-0249L, ROUTE 5, PM 49.99
1" = 20'

PANOCHE CREEK — BRIDGE NO. 42-0249L

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	5	CF
REMOVE UNSOUND CONCRETE	5	CF
CLEAN EXPANSION JOINT	137	LF
JOINT SEAL (MR 1")	139	LF



SHAW AVE OC

Br. No. 42-0301, ROUTE 41, PM 0.30
1" = 20'

SHAW AVE OC — BRIDGE NO. 42-0301

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	22,425	SQFT
TREAT BRIDGE DECK	22,425	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	299	GAL

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

	BY	CHECKED
DESIGN	QUANG VO	ALI NOJOUMI
DETAILS	NOOR ALZIREENI	ALI NOJOUMI
QUANTITIES	QUANG VO	ALI NOJOUMI

LOAD FACTOR DESIGN — LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD

	BY	CHECKED
LAYOUT	NOOR ALZIREENI	QUANG VO
SPECIFICATIONS	JENNIFER RAMIREZ	PLANS AND SPECS COMPARED JENNIFER RAMIREZ

DESIGN ENGINEER — 11-15

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIES
POST MILE VARIOUS

ROUTE 5,33,41 & 99 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: 3488
PROJECT NUMBER & PHASE: 0614000101
CONTRACT NO.: 06-008801

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
4-11-14	10-28-14	1-5-15		8	12

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USERNAME => s1187189 DATE PLOTTED => 15-APR-2015 TIME PLOTTED => 11:10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33 41,99	Var	23	26

REGISTERED CIVIL ENGINEER — DATE 3-11-15

PLANS APPROVAL DATE 3-30-15

REGISTERED PROFESSIONAL ENGINEER — Quang Vo — No. C 055211 — Exp.6-30-16 — CIVIL — STATE OF CALIFORNIA

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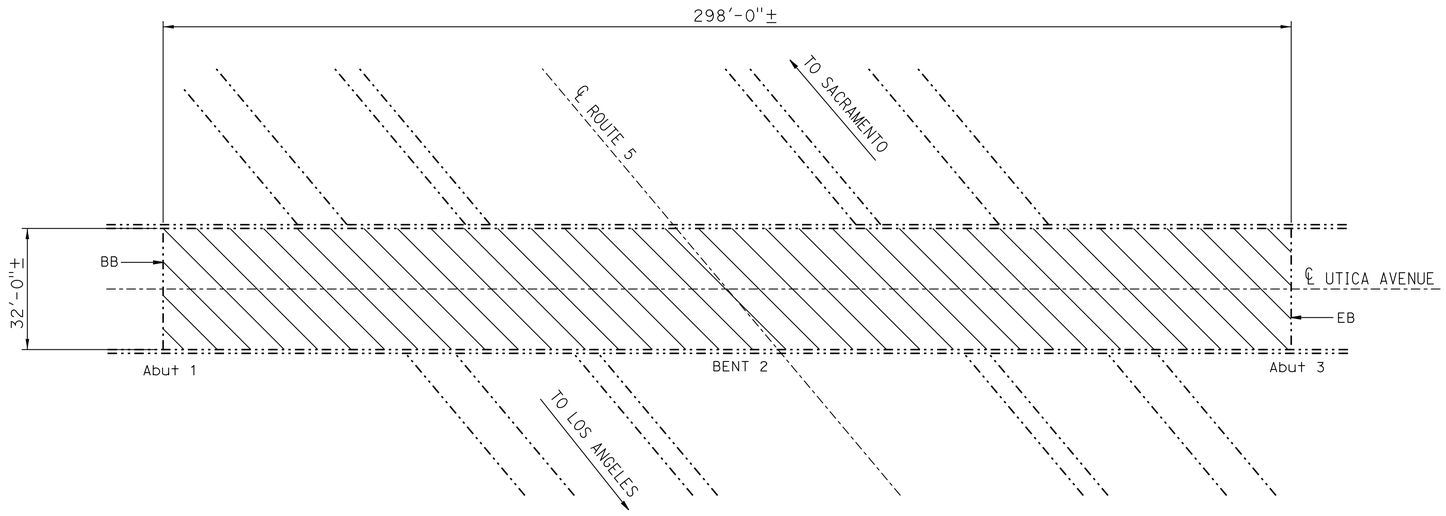


UTICA AVE OC

Br. No. 45-0067, ROUTE 5, PM 12.36

1" = 20'

UTICA AVE OC — BRIDGE NO. 45-0067

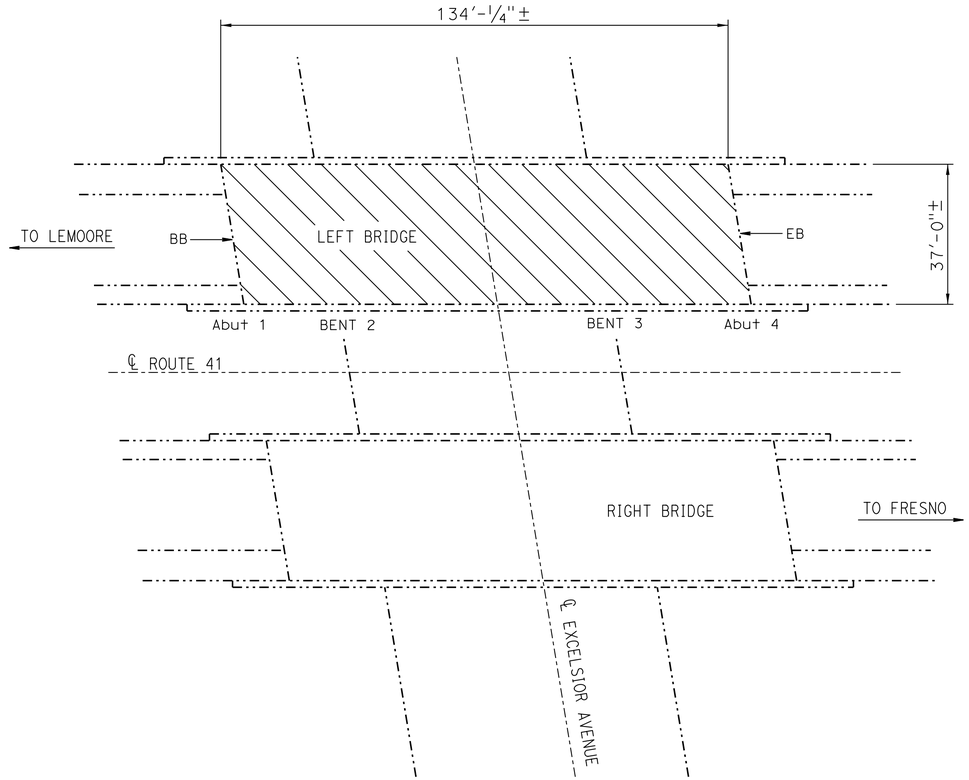
QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	9,536	SQFT
TREAT BRIDGE DECK	9,536	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	127	GAL

NOTES: (APPLY TO THIS SHEET ONLY)

·-·-·-·-· INDICATES EXISTING.

INDICATES LIMITS OF PREPARE CONCRETE BRIDGE DECK SURFACE AND TREAT BRIDGE DECK WITH METHACRYLATE.



EXCELSIOR AVE UC

Br. No. 45-0022L, ROUTE 41, PM R48.26

1" = 20'

EXCELSIOR AVE UC — BRIDGE NO. 45-0022L

QUANTITIES

PREPARE CONCRETE BRIDGE DECK SURFACE	4,967	SQFT
TREAT BRIDGE DECK	4,967	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	66	GAL

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

DESIGN	BY QUANG VO	CHECKED ALI NOJOUMI	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD			
DETAILS	BY NOOR ALZIREENI	CHECKED ALI NOJOUMI	LAYOUT	BY NOOR ALZIREENI	CHECKED QUANG VO		
QUANTITIES	BY QUANG VO	CHECKED ALI NOJOUMI	SPECIFICATIONS	BY JENNIFER RAMIREZ	PLANS AND SPECS COMPARED JENNIFER RAMIREZ		

DESIGN ENGINEER — 11-15

STATE OF CALIFORNIA — DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE — STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIES — POST MILE VARIOUS

ROUTE 5,33,41 & 99 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: 3488

PROJECT NUMBER & PHASE: 0614000101 — CONTRACT NO.: 06-008801

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES				SHEET	OF
4-11-14	10-30-14	1-5-15		9	12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33 41,99	Var	24	26

REGISTERED CIVIL ENGINEER — DATE 3-11-15

PLANS APPROVAL DATE 3-30-15

REGISTERED PROFESSIONAL ENGINEER — Quang Vo, No. C 055211, Exp.6-30-16, CIVIL, STATE OF CALIFORNIA

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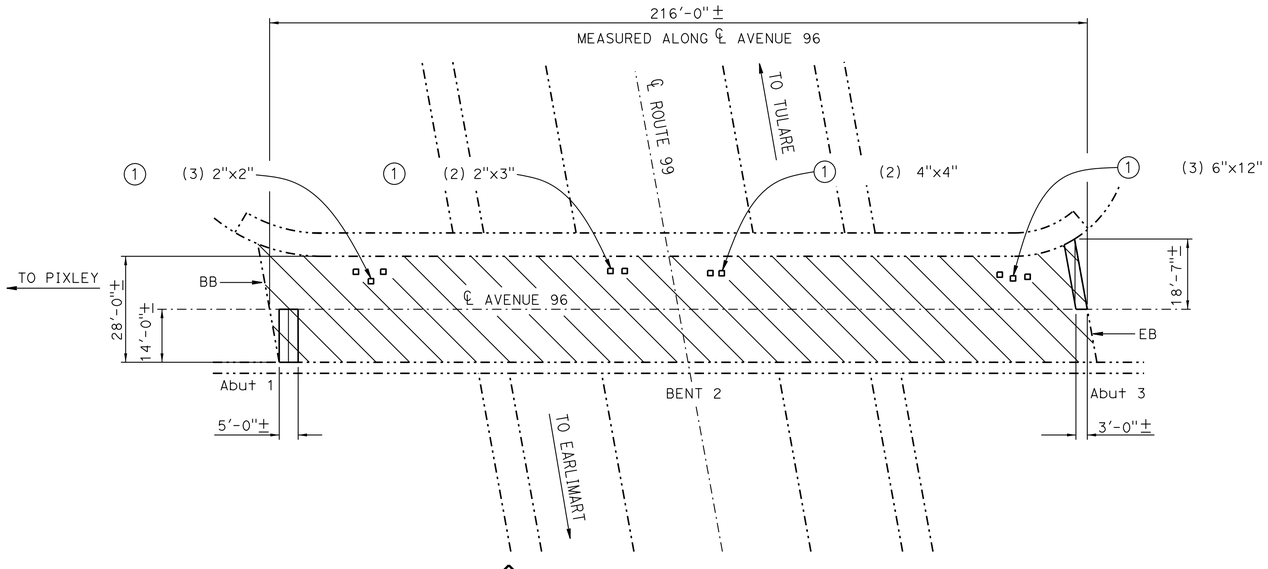
NOTES: (APPLY TO THIS SHEET ONLY)

---·---·--- INDICATES EXISTING.

INDICATES LIMITS OF PREPARE CONCRETE BRIDGE DECK SURFACE AND TREAT BRIDGE DECK WITH METHACRYLATE.

INDICATES LIMITS OF REMOVE 1"± AC OVERLAY.

(1) REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE.



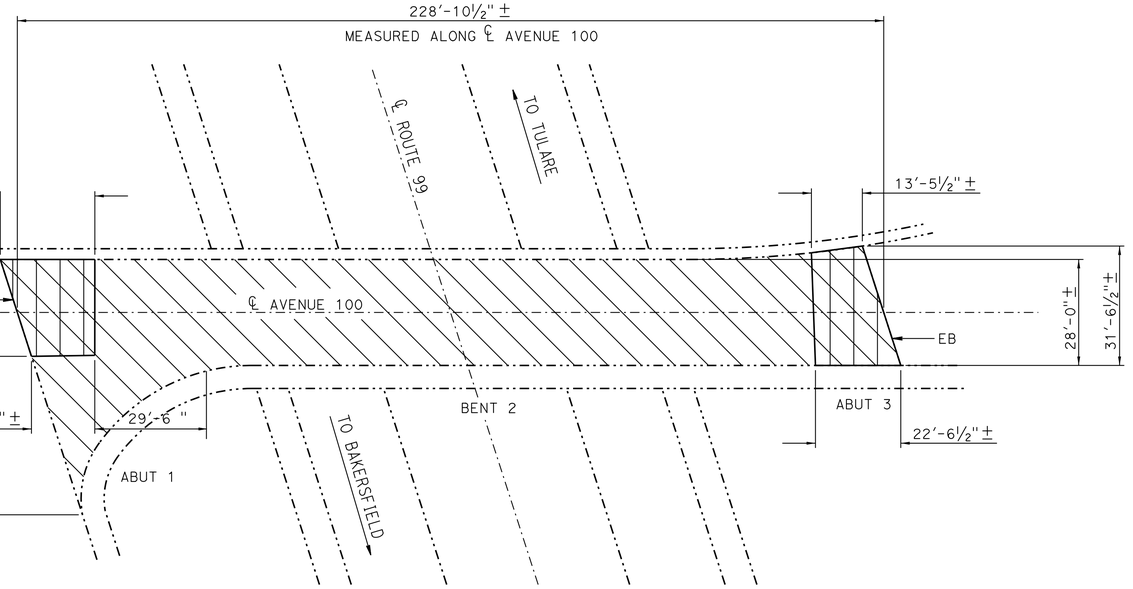
AVENUE 96 OC

Br. No. 46-0171, ROUTE 99, PM 12.30
1" = 20'

AVENUE 96 OC — BRIDGE NO. 46-0171

QUANTITIES

	LUMP SUM	
PUBLIC SAFETY PLAN	LUMP	SUM
RAPID SETTING CONCRETE (PATCH)	1	CF
REMOVE ASPHALT CONCRETE SURFACING	122	SQFT
REMOVE UNSOUND CONCRETE	1	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	6,048	SQFT
TREAT BRIDGE DECK	6,048	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	67	GAL



AVENUE 100 OC

Br. No. 46-0173, ROUTE 99, PM 12.80
1" = 20'

AVENUE 100 OC — BRIDGE NO. 46-0173

QUANTITIES

	LUMP SUM	
PUBLIC SAFETY PLAN	LUMP	SUM
REMOVE ASPHALT CONCRETE SURFACING	1,102	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	7,425	SQFT
TREAT BRIDGE DECK	7,425	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	83	GAL

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

DESIGN	BY QUANG VO	CHECKED ALI NOJOUMI	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD			
DETAILS	BY NOOR ALZIREENI	CHECKED ALI NOJOUMI	LAYOUT	BY NOOR ALZIREENI	CHECKED QUANG VO		
QUANTITIES	BY QUANG VO	CHECKED ALI NOJOUMI	SPECIFICATIONS	BY JENNIFER RAMIREZ	PLANS AND SPECS COMPARED JENNIFER RAMIREZ		

DESIGN ENGINEER — 3-11-15

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIES
POST MILE VARIOUS

ROUTE 5,33,41 & 99 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: 3488
PROJECT NUMBER & PHASE: 0614000101
CONTRACT NO.: 06-0Q8801

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
4-11-14	3-25-15	1-5-15	3-31-15	10	12

FILE => 06_0q8801_jgp.dgn

USERNAME => s118789 DATE PLOTTED => 15-APR-2015 TIME PLOTTED => 11:10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33 41,99	Var	25	26

REGISTERED CIVIL ENGINEER — DATE 3-11-15

PLANS APPROVAL DATE 3-30-15

Quang Vo No. C 055211 Exp.6-30-16 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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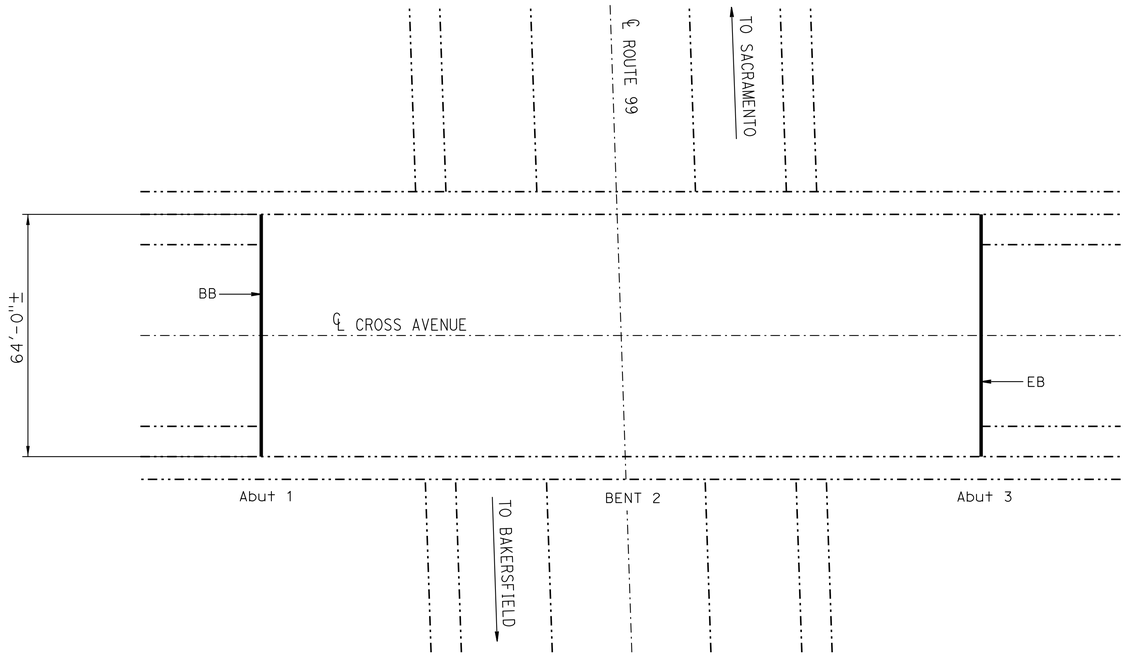


CROSS AVE OC

Br. No. 46-0249, ROUTE 99, PM 29.90
1" = 20'

NOTES: (APPLY TO THIS SHEET ONLY)

INDICATES EXISTING.

INDICATES LIMITS OF CLEAN EXPANSION JOINT AND INSTALL NEW JOINT SEAL. FOR DETAILS SEE, "DETAILS" SHEET.

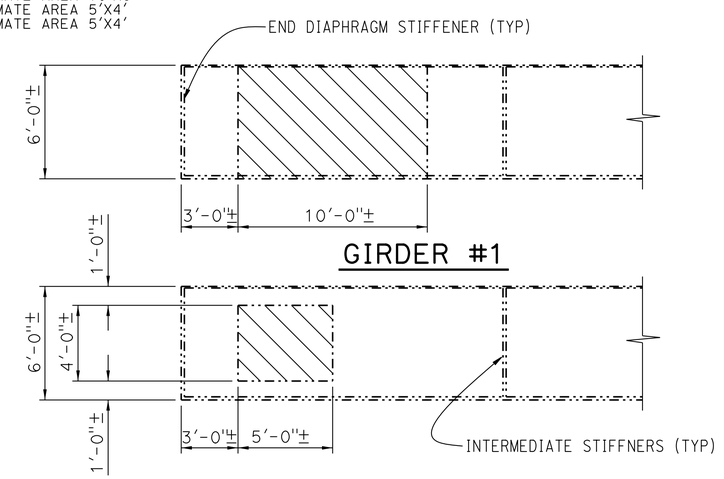
INDICATES LIMITS OF CLEAN EXISTING BRIDGE,PAINT EXISTING BRIDGE, AND SPOT BLAST CLEAN AND PAINT UNDERCOAT ON STEEL GIRDERS 1, 2, 3 AT ABUT 1.

STEEL GIRDER 1 APPROXIMATE AREA 10'X6'
STEEL GIRDER 2 APPROXIMATE AREA 5'X4'
STEEL GIRDER 3 APPROXIMATE AREA 5'X4'

CROSS AVE OC — BRIDGE NO. 46-0249

QUANTITIES

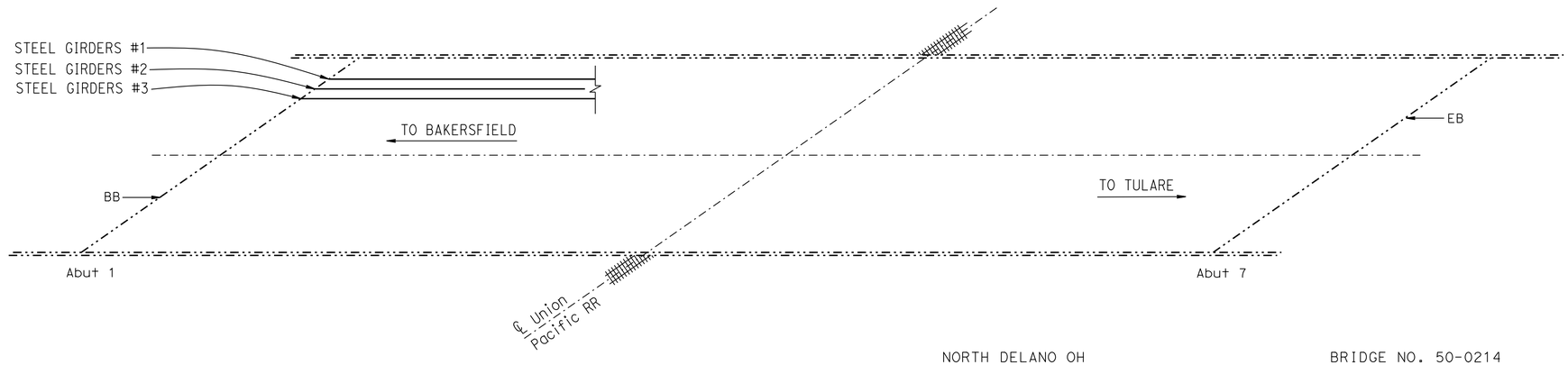
CLEAN EXPANSION JOINT	128 LF
JOINT SEAL (MR 1")	129 LF



GIRDERS #2&3

PART GIRDER ELEVATION

Br. No. 50-0214
½" = 1'-0"



NORTH DELANO OH

Br. No. 50-0214, ROUTE 99, PM 57.10
1" = 40'

NORTH DELANO OH — BRIDGE NO. 50-0214

QUANTITIES

LEAD COMPLIANCE PLAN	LUMP SUM
WORK AREA MONITORING (BRIDGE)	LUMP SUM
CLEAN AND PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM

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

DESIGN	BY QUANG VO	CHECKED ALI NOJOUMI	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
DETAILS	BY NOOR ALZIREENI	CHECKED ALI NOJOUMI	LAYOUT	BY NOOR ALZIREENI	CHECKED QUANG VO		
QUANTITIES	BY QUANG VO	CHECKED ALI NOJOUMI	SPECIFICATIONS	BY JENNIFER RAMIREZ	PLANS AND SPECS COMPARED JENNIFER RAMIREZ		

Matthew Lee 3-11-15 DESIGN ENGINEER

BRIDGE NO. VARIES — POST MILE VARIOUS

ROUTE 5,33,41 & 99 BRIDGES
GENERAL PLAN NO. 11

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3488
PROJECT NUMBER & PHASE: 0614000101 CONTRACT NO.: 06-0Q8801

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
~~4-14-14~~	~~3-30-15~~	~~4-9-15~~	~~3-26-15~~	11	12

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre,Ker, Kin,Mad,Tul	5,33 41,99	Var	26	26

REGISTERED CIVIL ENGINEER — DATE 3-11-15

PLANS APPROVAL DATE 3-30-15

Quang Vo No. C 055211 Exp.6-30-16 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)
DRY CREEK	41-0005L	ABUT 1	BB	1*	61.5	NO	12
		ABUT 4	EB	1*	61.5	NO	12
ASH SLOUGH	41-0045R	BENT 5	EJ	1*	40.0	NO	12
		BENT 11	EJ	1*	40.0	NO	12
		BENT 17	EJ	1*	40.0	NO	12
		ABUT 22	EB	1*	40.0	NO	12
CALIFORNIA AVE	42-0251	ABUT 1	BB	½	25.0	NO	12
		BENT 2	EJ	1*	25.0	NO	12
		ABUT 3	EB	½	25.0	NO	12
CANTUA CREEK	42-0239L	ABUT 1	BB	1*	40.0	NO	12
		ABUT 5	EB	1*	40.0	NO	12
PANOCHE CREEK	42-0249L	ABUT 1	BB	1*	47.0	YES	12
		BENT 2	EJ	1*	47.0	YES	12
		ABUT 3	EB	1*	47.0	YES	12
ALLUVIAL AVE	42-0386L	ABUT 1	BB	1*	55.5	YES	12
		ABUT 2	EB	1*	55.5	YES	12
ALLUVIAL AVE	42-0386R	ABUT 1	BB	1*	55.5	YES	12
		ABUT 2	EB	1*	55.5	YES	12
CROSS AVE	46-0249	ABUT 1	BB	1*	65.0	NO	12
		ABUT 3	EB	1*	65.0	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 JOINT SEAL ONLY

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

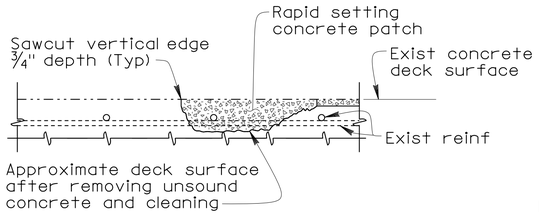
The following notes apply to JOINT SEAL TYPE A:

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

DECK REPAIR TABLE

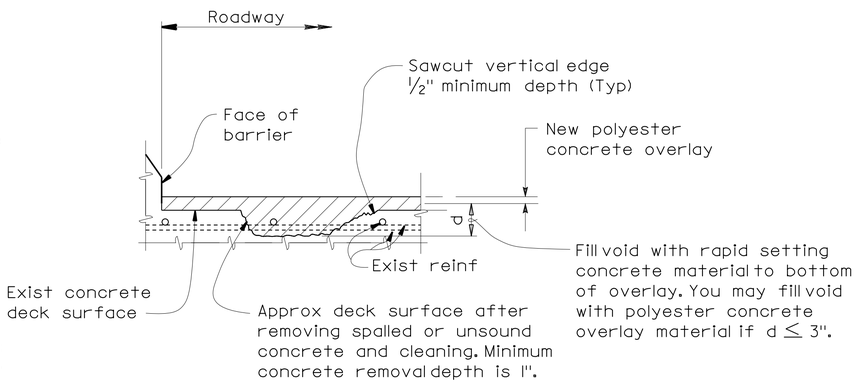
REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)

BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH DAMAGE (INCHES)
JEFFREY AVE OC	42-0238	1	3
CALIFORNIA AVE OC	42-0251	1	3
XENIA AVE OC	45-0066	1	3
OXFORD AVE OC	42-0252	1	3
HUDSON AVE OC	42-0245	1	3
MANNING AVE OC	42-0247	1	3



DECK REPAIR DETAIL

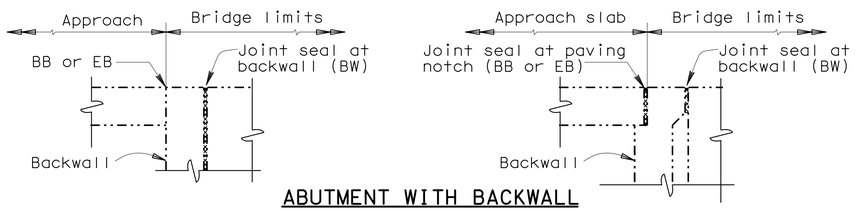
Note: Locations to be determined by the Engineer. Reinforcement may be encountered during deck concrete removal.



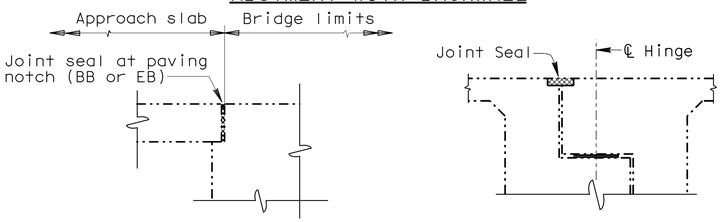
DECK REPAIR DETAIL - OVERLAY

Note: Reinforcement may be encountered during deck concrete removal.

NO SCALE



ABUTMENT WITH BACKWALL



DIAPHRAGM ABUTMENT

HINGE

JOINT SEAL LOCATION

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

DESIGN	BY QUANG VO	CHECKED ALI NOJOUMI	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY NOOR ALZIREENI	CHECKED ALI NOJOUMI	
QUANTITIES	BY QUANG VO	CHECKED ALI NOJOUMI	

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIES
POST MILE VARIOUS

ROUTE 5,33,41 & 99 BRIDGES

DETAILS

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