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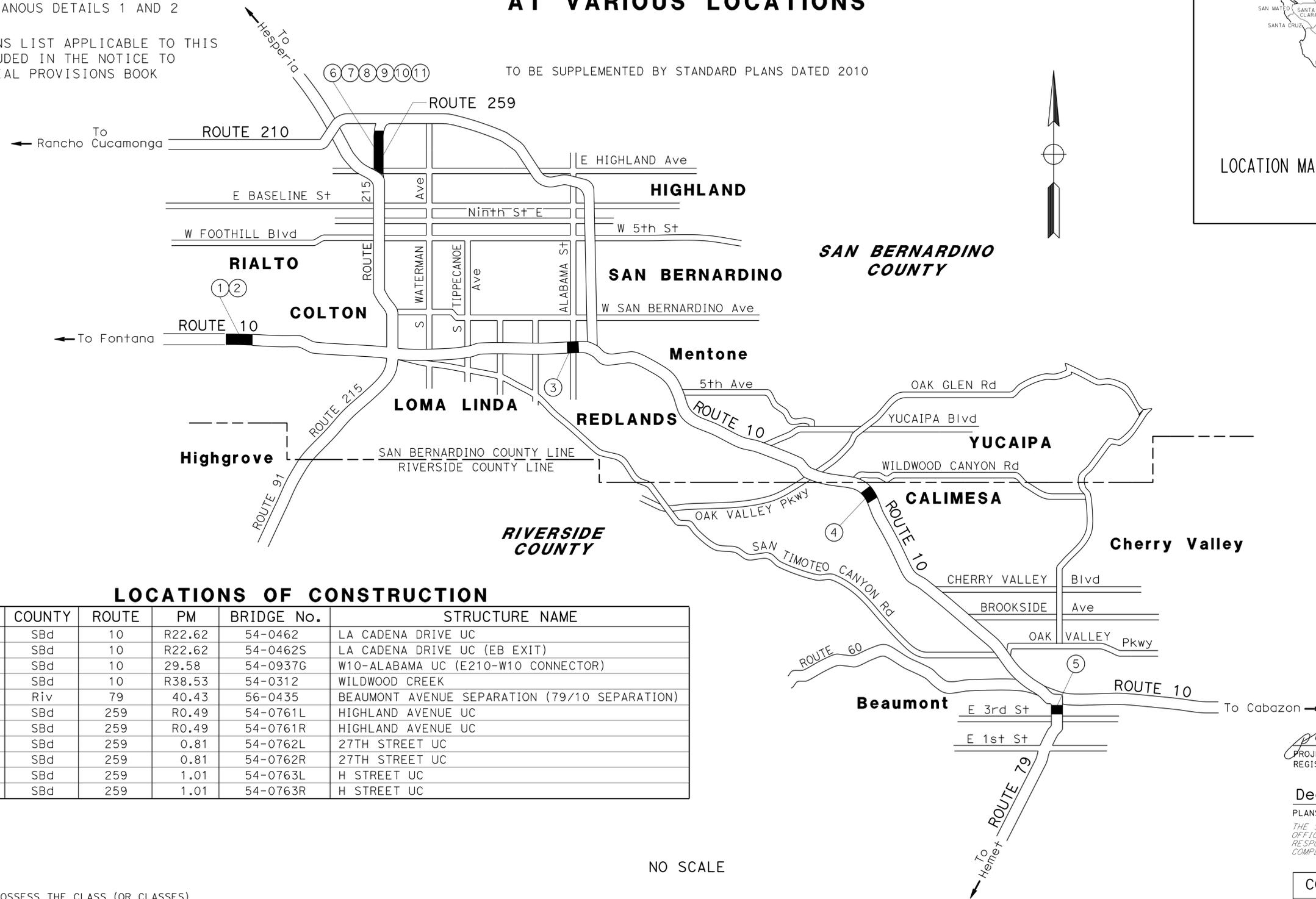
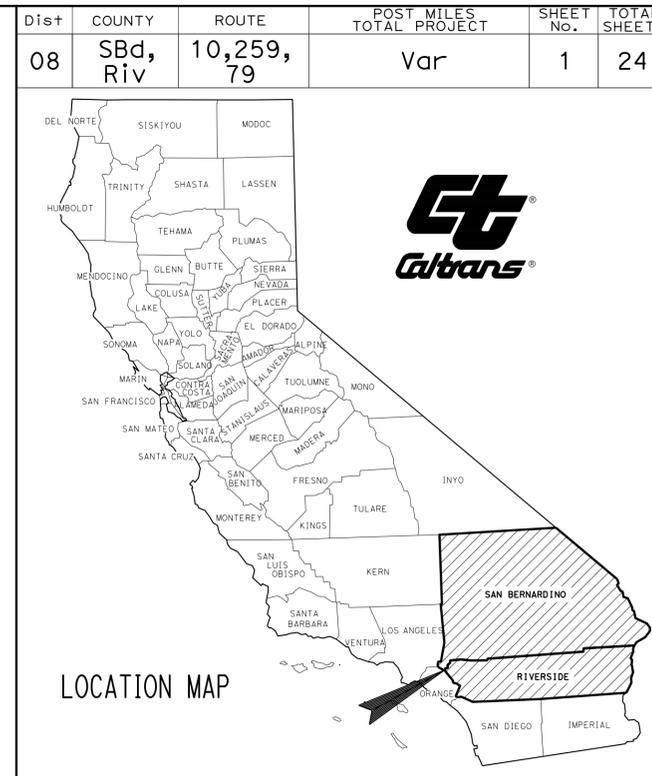
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN SAN BERNARDINO AND RIVERSIDE COUNTIES
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



LOCATIONS OF CONSTRUCTION

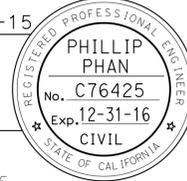
Loc No. ①	COUNTY	ROUTE	PM	BRIDGE No.	STRUCTURE NAME
1	SBd	10	R22.62	54-0462	LA CADENA DRIVE UC
2	SBd	10	R22.62	54-0462S	LA CADENA DRIVE UC (EB EXIT)
3	SBd	10	29.58	54-0937G	W10-ALABAMA UC (E210-W10 CONNECTOR)
4	SBd	10	R38.53	54-0312	WILDWOOD CREEK
5	Riv	79	40.43	56-0435	BEAUMONT AVENUE SEPARATION (79/10 SEPARATION)
6	SBd	259	R0.49	54-0761L	HIGHLAND AVENUE UC
7	SBd	259	R0.49	54-0761R	HIGHLAND AVENUE UC
8	SBd	259	0.81	54-0762L	27TH STREET UC
9	SBd	259	0.81	54-0762R	27TH STREET UC
10	SBd	259	1.01	54-0763L	H STREET UC
11	SBd	259	1.01	54-0763R	H STREET UC

NO SCALE

PROJECT MANAGER
MICHAEL RISTIC

DESIGN MANAGER
MICHAEL RISTIC

PHILLIP PHAN
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER
DATE 12-30-15
December 31, 2015
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.



CONTRACT No. 08-1F6404
PROJECT ID 0815000006

LEGEND:

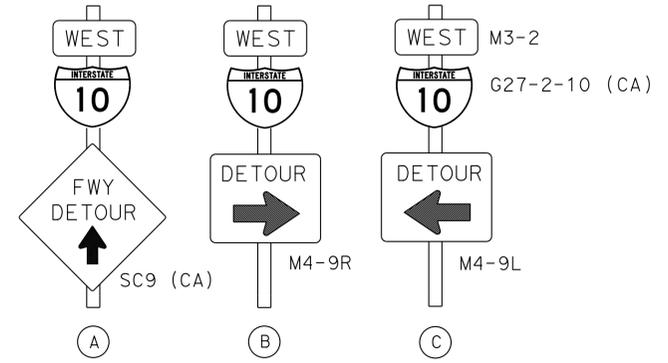
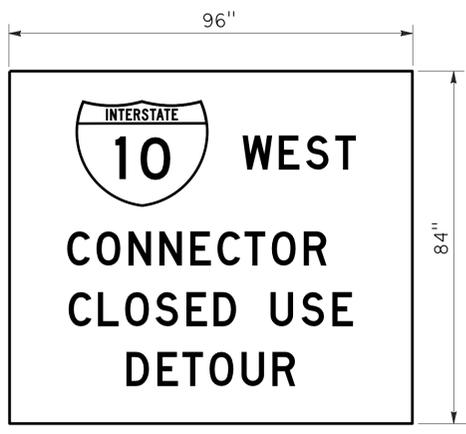
- CONSTRUCTION AREA
- ⊥ STATIONARY CONSTRUCTION AREA SIGN (ONE-POST)
- ⊥ STATIONARY CONSTRUCTION AREA SIGN (TWO-POST)
- ⊗ CONSTRUCTION AREA SIGN NUMBER
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

NOTES:

- LOCATIONS OF CONSTRUCTION AREA SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
- EXACT LOCATIONS AND MESSAGES OF PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WILL BE DETERMINED BY THE ENGINEER.
- THE CONSTRUCTOR MAY USE THE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) IN PLACE OF CONSTRUCTION AREA SIGN.

TEMPORARY DETOUR SIGN QUANTITIES

SIGN No. ⊗	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
A	M3-2		35" X 15"	WEST	1 - 6" x 6"	2
		G27-2-10 (CA)	24" X 24"	ROUTE 10		
		SC9 (CA)	36" X 36"	DETOUR STRAIGHT		
B	M3-2		30" X 15"	WEST	1 - 6" x 6"	2
		G27-2-10 (CA)	24" X 24"	ROUTE 10		
		M4-9R	48" X 36"	DETOUR RIGHT		
C	M3-2		30" X 15"	WEST	1 - 6" x 6"	1
		G27-2-10 (CA)	24" X 24"	ROUTE 10		
		M4-9L	48" X 36"	DETOUR LEFT		
D	CS1		96" X 84"	WEST CONNECTOR CLOSED USE DETOUR	2 - 6" x 8"	1
E		SC6-4 (CA)	48" X 60"	RAMP CLOSED	1 - 6" x 6"	1



DETOUR DURING EASTBOUND ROUTE 210 TO WESTBOUND ROUTE 10 CONNECTOR CLOSURE

MOTORIST INFORMATION PLAN
NO SCALE
MI-1

APPROVED FOR MOTORIST INFORMATION WORK ONLY

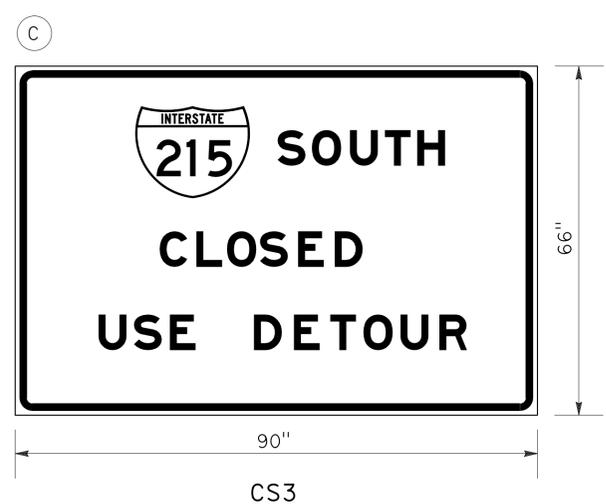
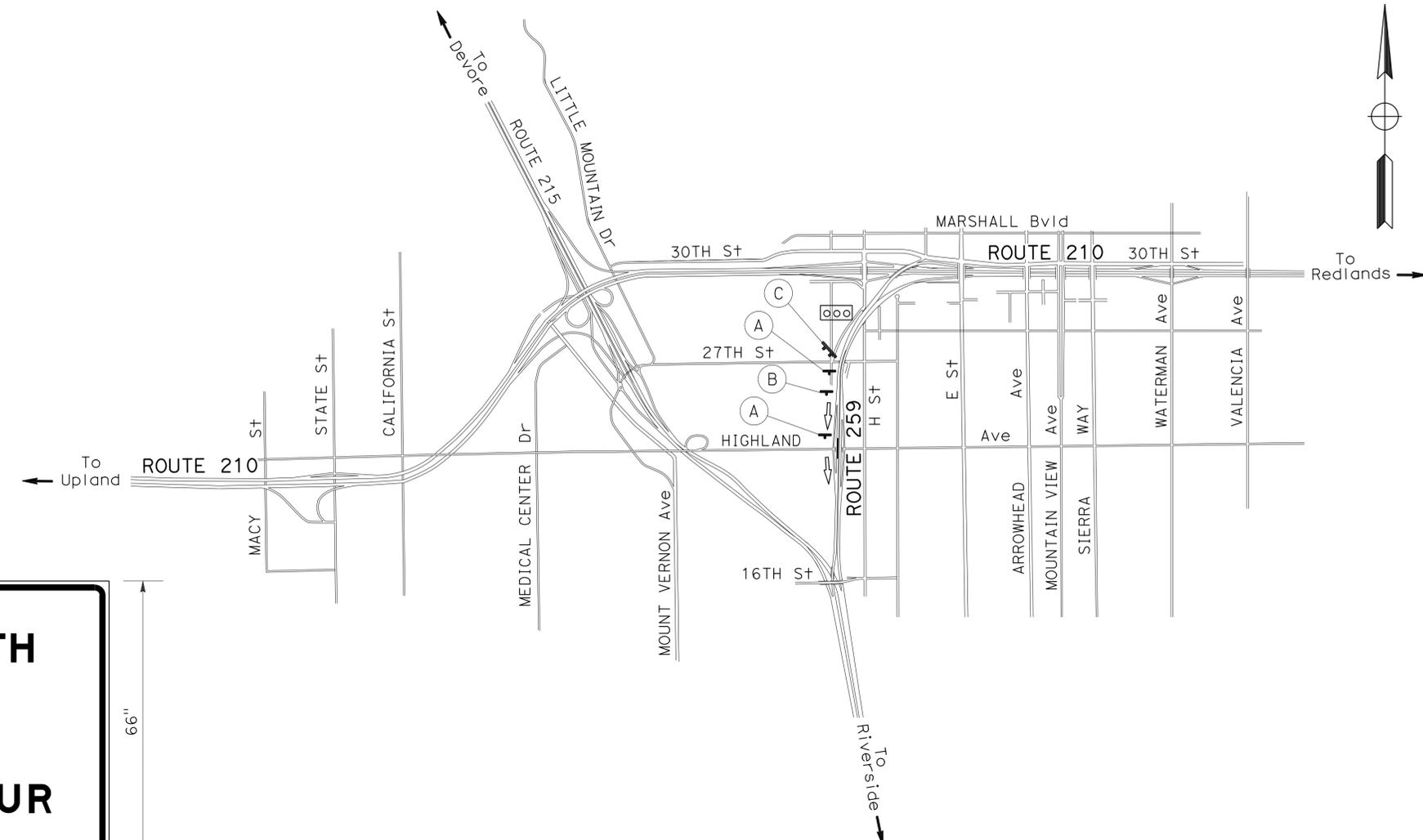
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 PHIL VU
 TRAN HOANG
 MARIO AMANCIO
 CALTRANS TRAFFIC DESIGN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd, Riv	10,259, 79	Var	5	24

12-30-15
 REGISTERED CIVIL ENGINEER DATE
 12-31-15
 PLANS APPROVAL DATE

TRAN HOANG
 No. C54996
 Exp. 6-30-16
 CIVIL

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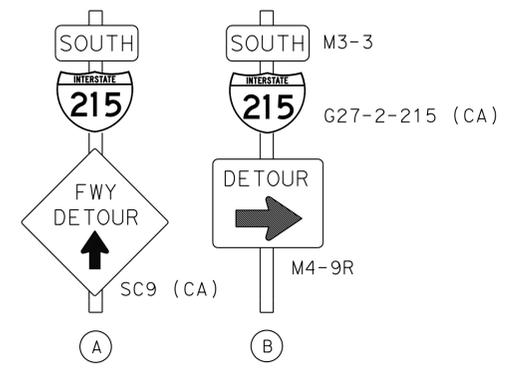


DETOUR PLAN FOR SOUTHBOUND ROUTE 259 AT HIGHLAND AVENUE UC CLOSURE

3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
 [SOUTH] 8" White E;
 [CLOSED] 8" White E;
 [USE DETOUR] 8" White E;
 SHIELD SIZE 30" X 25"; MUMERAL SIZE 10" White E;

TEMPORARY DETOUR SIGN QUANTITIES

SIGN No. (X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
A	M3-3		35" X 15"	SOUTH	1 - 6" x 6"	2
		G27-2-215 (CA)	25" X 30"	ROUTE 215		
		SC9 (CA)	36" X 36"	FREEWAY DETOUR STRAIGHT		
B	M3-3		30" X 15"	SOUTH	1 - 6" x 6"	1
		G27-2-215 (CA)	25" X 30"	ROUTE 215		
	M4-9R		48" X 36"	DETOUR RIGHT		
C	CS2		90" X 66"	INTERSTATE 215 SOUTH CLOSED USE DETOUR	2 - 6" x 6"	1



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 PHIL VU
 TRAN HOANG
 CALULATED-DESIGNED BY
 CHECKED BY
 FUNCTIONAL SUPERVISOR
 MARIO AMANCIO
 DEPARTMENT OF TRANSPORTATION
 TRAFFIC DESIGN

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

DETOUR PLAN
NO SCALE **DE-2**

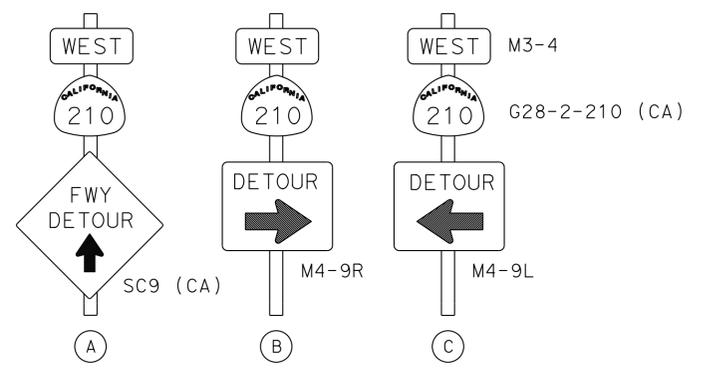
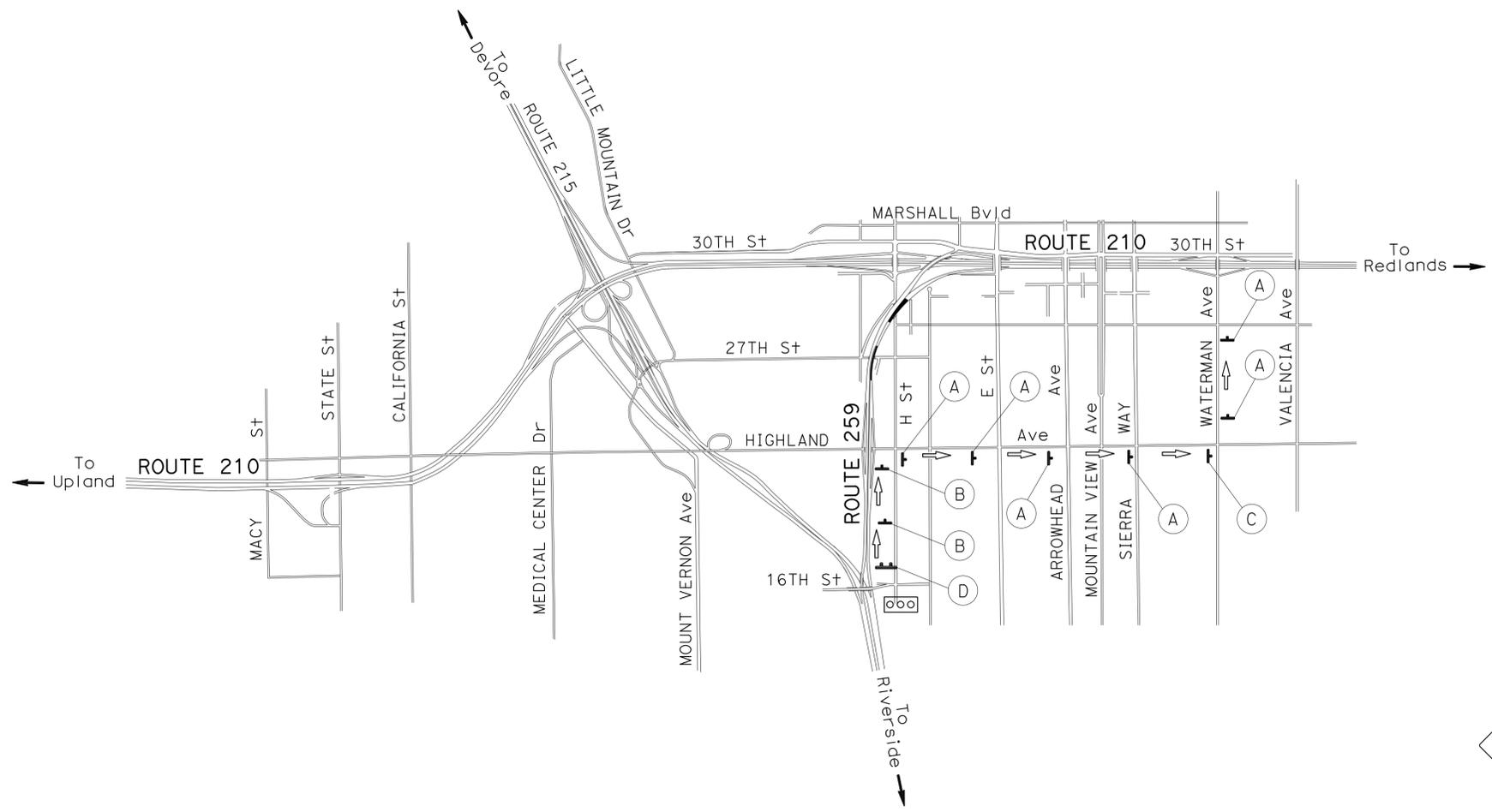
LAST REVISION DATE PLOTTED => 27-JAN-2016
 12-30-15 TIME PLOTTED => 16:05

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd, Riv	10,259, 79	Var	7	24

12-30-15
 REGISTERED CIVIL ENGINEER DATE
 12-31-15
 PLANS APPROVAL DATE

TRAN HOANG
 No. C54996
 Exp. 6-30-16
 CIVIL

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



DETOUR PLAN FOR NORTHBOUND ROUTE 259 AT 27TH St UC AND H St UC CLOSURE

TEMPORARY DETOUR SIGN QUANTITIES

SIGN No. (X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
A	M3-4		35" X 15"	WEST	1 - 6" x 6"	6
		G28-2-210 (CA)	25" X 28"	ROUTE 210		
		SC9 (CA)	36" X 36"	FREEWAY DETOUR STRAIGHT		
B	M3-4		30" X 15"	WEST	1 - 6" x 6"	2
		G28-2-210 (CA)	25" X 28"	ROUTE 210		
		M4-9R	48" X 36"	DETOUR RIGHT		
C	M3-4		30" X 15"	WEST	1 - 6" x 6"	1
		G28-2-210 (CA)	25" X 28"	ROUTE 210		
		M4-9L	48" X 36"	DETOUR LEFT		
D	CS5		102" X 60"	WEST CLOSED USE HIGHLAND AVE	2 - 6" x 8"	1



3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
 [WEST] 8" White E;
 [CLOSED USE] 8" White E;
 [HIGHLAND AVE] 8" White E;
 SHIELD SIZE 24" X 18"; MUMERAL SIZE 8" White E;

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

DETOUR PLAN
NO SCALE **DE-4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 TRAN HOANG
 PHIL VU
 MARIO AMANCIO
 TRAFFIC DESIGN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd, Riv	10,259, 79	Var	8	24

12-30-15
 REGISTERED CIVIL ENGINEER DATE
 12-31-15
 PLANS APPROVAL DATE

TRAN HOANG
 No. C54996
 Exp. 6-30-16
 CIVIL

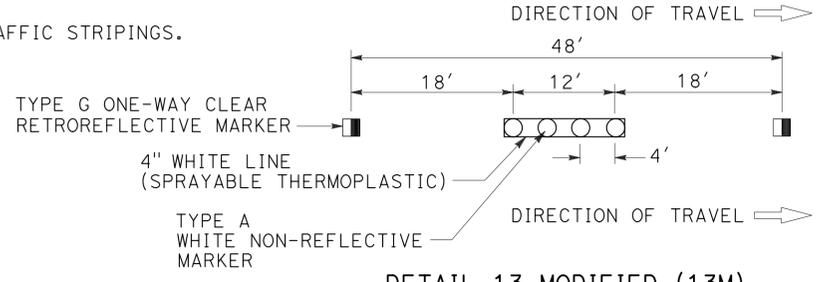
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PAVEMENT DELINEATION QUANTITIES

LOCATION	DETAIL No.	REMOVE PAVEMENT MARKERS	PAVEMENT MARKERS			REMOVE THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)			THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)			THERMOPLASTIC PAVEMENT MARKING		TEMPORARY PAVEMENT MARKERS	COMMENTS	
			(RETROREFLECTIVE)			NON-REFLECTIVE	4" YELLOW	4" WHITE	8" WHITE	4" YELLOW	4" WHITE	8" WHITE	REMOVE			INSTALL
			TYPE D	TYPE G	TYPE H	TYPE A										
			EA	EA		EA	LF			LF		EA				
LA CADENA Dr UC EB	13M	70	14			56								70		
	25	6					200							6		
	27B							200								
LA CADENA Dr UC WB	13M	70	14			56								70		
	25	6					200							6		
	27B							200								
LA CADENA Dr UC EB EXIT RAMP	25A	8					150							8		
	27B							150								
W10-ALABAMA UC E210-W10 CONNECTOR	12	12		12				130					53	53	12	
	25A	22			22		500								22	
	27B							500								
BEAUMONT AVENUE SEPARATION 79/10 SEPARATION	12	30		30				300							30	
	22	52	52				1200								52	
	38	50		50					2400			2400			50	
HIGHLAND AVENUE UC Br No. 54-0761L	13M	26		6		20									26	
	25	6													6	
	27B				6											
HIGHLAND AVENUE UC Br No. 54-0761R	13M	26		6		20									26	
	25	6													6	
	27B															
27TH STREET UC Br No. 54-0762L	13M	26		6		20									26	
	25	6													6	
	27B															
27TH STREET UC Br No. 54-0762R	13M	26		6		20									26	
	25	6													6	
	27B															
H STREET UC Br No. 54-0763L	13M	31		7		24									31	
	25	7													7	
	27B															
H STREET UC Br No. 54-0763R	13M	31		7		24									31	
	25	7													7	
	27B															
SUBTOTAL		530	80	130	80	240	2250	1780	2400	3250	7150	2400	193	193	530	
TOTAL		530		290		240	2250	4180			12800		193	193	530	

NOTE:

1. EIGHT INCHES TRAFFIC STRIPING COUNT AS TWO 4 INCHES TRAFFIC STRIPINGS.



DETAIL 13 MODIFIED (13M)

INSTALL TYPE A NON-REFLECTIVE MARKER WITH STRIPING DETAIL 13M
 INSTALL TYPE A MARKER BEFORE STRIPING TO GET THE PROPER BONDING

PAVEMENT DELINEATION QUANTITIES PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR MARIO AMANCIO
 CHECKED BY
 PHIL VU
 TRAN HOANG
 REVISOR BY
 DATE REVISOR

LAST REVISION DATE PLOTTED => 27-JAN-2016
 12-30-15 TIME PLOTTED => 16:05

	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	
WWL	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
08	SBD, Riv	10,259, 79	Var	10	24

Grace M. Tsushima
REGISTERED CIVIL ENGINEER



July 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.

TO ACCOMPANY PLANS DATED 12-31-15

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
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

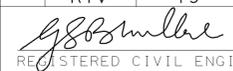
**ABBREVIATIONS
(SHEET 2 OF 2)**

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.

2010 REVISED STANDARD PLAN RSP A10B

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd, Riv	10,259, 79	Var	11	24


 REGISTERED CIVIL ENGINEER
 July 19, 2013
 PLANS APPROVAL DATE



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TO ACCOMPANY PLANS DATED 12-31-15

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		
	TANGENT 2L	MERGING L	SHIFTING L/2	SHOULDER L/3	X	Y	Z **
					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%
		ft	ft	ft
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 recommended 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

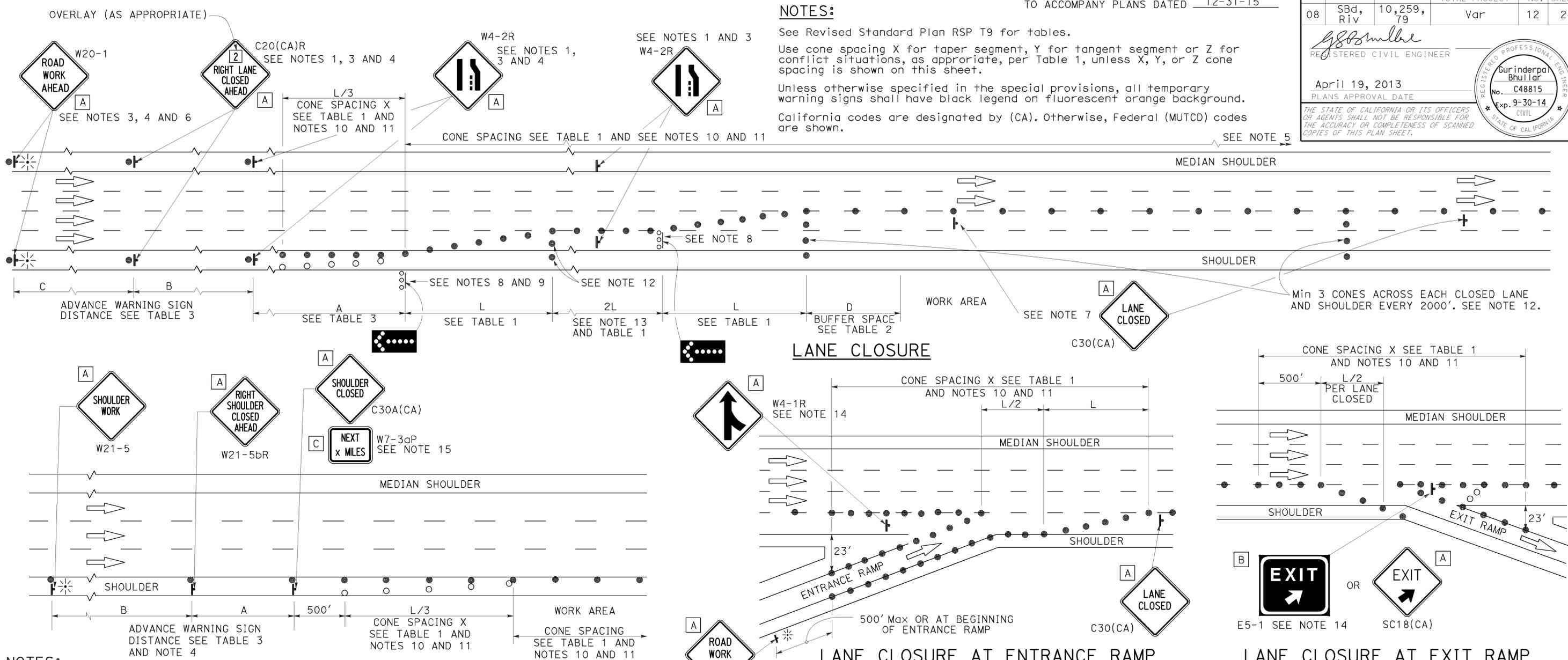
2010 REVISED STANDARD PLAN RSP T9

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD, Riv	10,259, 79	Var	12	24

REGISTERED CIVIL ENGINEER
 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.

2010 REVISED STANDARD PLAN RSP T10



- NOTES:**
- Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
 - At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
 - Duplicate sign installations are not required:
 - On opposite shoulder if at least one-half of the available lanes remain open to traffic.
 - In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
 - 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.
 - 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.

- 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.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
- 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.
- 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.

- 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.
- 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.
- Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
- A W7-3aP "NEXT _____ MILES" plaque must be used if the shoulder 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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD, Riv	10,259, 79	Var	13	24

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

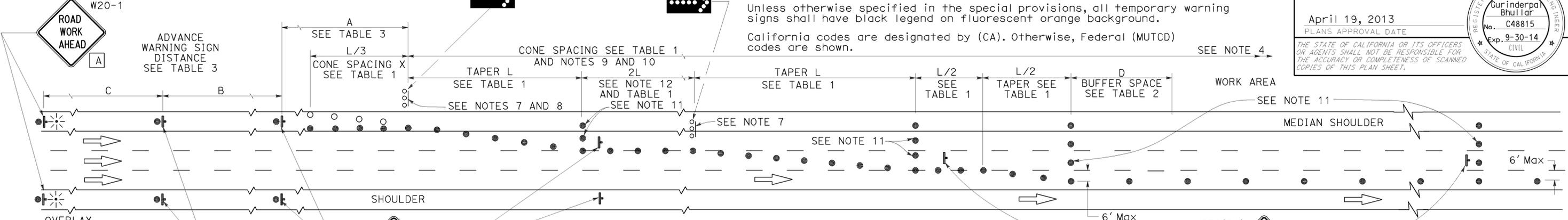
NOTES: See Revised Standard Plan RSP T9 for tables.

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

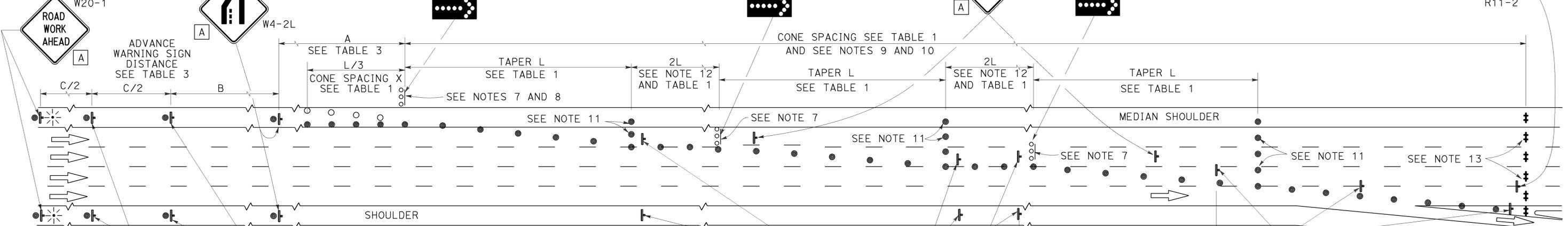
California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

SEE NOTES 3 AND 5



LANE CLOSURE WITH PARTIAL SHOULDER USE

SEE NOTES 3 AND 5



COMPLETE CLOSURE

NOTES:

- 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.
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
- 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.
- 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.
- 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.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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

LEGEND:

AB	ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
BC	INSTALL PULL BOX IN EXISTING CONDUIT RUN
BP	PEDESTRIAN BARRICADE, TYPE AS INDICATED ON PLAN
CB	INSTALL CONDUIT INTO EXISTING PULL BOX
CC	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED
CF	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS. INSTALL PULL TAPE
DH	DETECTOR HANDHOLE
FA	FOUNDATION TO BE ABANDONED
IS	INSTALL SIGN ON SIGNAL MAST ARM
NS	NO SLIP BASE ON STANDARD
PEC	PHOTOELECTRIC CONTROL
PEU	PHOTOELECTRIC UNIT
RC	EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
RE	REMOVE ELECTROLIER, FUSES AND BALLAST. TAPE ENDS OF CONDUCTORS
RL	RELOCATE EQUIPMENT
RR	REMOVE AND REUSE EQUIPMENT
RS	REMOVE AND SALVAGE EQUIPMENT
SC	SPLICE NEW TO EXISTING CONDUCTORS
SD	SERVICE DISCONNECT
TSP	TELEPHONE SERVICE POINT

ABBREVIATIONS

AC+	UNDERGROUNDED CONDUCTOR	MAT	MAST ARM MOUNTING TOP ATTACHMENT
APS	ACCESSIBLE PEDESTRIAN SIGNAL	MAS	MAST ARM MOUNTING SIDE ATTACHMENT
Batt+	BATTERY	MBPS	MANUAL BYPASS SWITCH
BBS	BATTERY BACKUP SYSTEM	M/M	MULTIPLE TO MULTIPLE TRANSFORMER
BC	BOLT CIRCLE	Mtg	MOUNTING
BIK	BLACK	MV	MERCURY VAPOR LIGHTING FIXTURE
BP	BYPASS	MVDS	MICROWAVE VEHICLE DETECTION SYSTEM
BPB	BICYCLE PUSH BUTTON	N	NEUTRAL (GROUNDED CONDUCTOR)
C	CONDUIT	NB	NEUTRAL BUS
CB	CIRCUIT BREAKER	NC	NORMALLY CLOSE
CCTV	CLOSED CIRCUIT TELEVISION	NO	NORMALLY OPEN
Ckt	CIRCUIT	P	CIRCUIT BREAKER'S POLE
CMS	CHANGEABLE MESSAGE SIGN	PB	PULL BOX
Ctid	CALTRANS IDENTIFICATION	PBA	PUSH BUTTON ASSEMBLY
Comm	COMMUNICATION	PEC	PHOTOELECTRIC CONTROL
Cn+l	CONTROL	Ped	PEDESTRIAN
DF	DEPARTMENT-FURNISHED	PEU	PHOTOELECTRIC UNIT
DLC	LOOP DETECTOR LEAD-IN CABLE	PT	CONDUIT WITH PULL TAPE
EMS	EXTINGUISHABLE MESSAGE SIGN	PTR	POWER TRANSFER RELAY
EVUC	EMERGENCY VEHICLE UNIT CABLE	RE	RELOCATED EQUIPMENT
EVUD	EMERGENCY VEHICLE UNIT DETECTOR	RM	RAMP METERING
FB	FLASHING BEACON	RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
FBCA	FLASHING BEACON CONTROL ASSEMBLY	SB	SLIP BASE
FBS	FLASHING BEACON WITH SLIP BASE	SIC	SIGNAL INTERCONNECT CABLE
FO	FIBER OPTIC	Sig	SIGNAL
G	EQUIPMENT GROUNDING CONDUCTOR	SMA	SIGNAL MAST ARM
GB	GROUND BUS	SNS	STREET NAME SIGN
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SP	SERVICE POINT
Grn	GREEN	TB	TERMINAL BOARD
HAR	HIGHWAY ADVISORY RADIO	TDC	TELEPHONE DEMARCATION CABINET
Hex	HEXAGONAL	Temp	TEMPERATURE
HPS	HIGH PRESSURE SODIUM	TMS	TRAFFIC MONITORING STATION
IISNS	INTERNALLY ILLUMINATED STREET NAME SIGN	TOS	TRAFFIC OPERATIONS SYSTEM
ISL	INDUCTION SIGN LIGHTING	UPS	UNINTERRUPTABLE POWER SUPPLY
LED	LIGHT EMITTING DIODE	UPSC	UNINTERRUPTABLE POWER SUPPLY CONTROLLER
LMA	LUMINAIRE MAST ARM	Veh	VEHICLE
LPS	LOW PRESSURE SODIUM	VIVDS	VIDEO IMAGE VEHICLE DETECTION SYSTEM
Ltg	LIGHTING	Wh+	WHITE
Lum	LUMINAIRE	WIM	WEIGH-IN-MOTION
M	METERED	Xfmr	TRANSFORMER

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd, Riv	10,259, 79	Var	14	24

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

October 30, 2015
PLANS APPROVAL DATE

Theresa
Aziz Gabriel
No. E15129
Exp. 6-30-16
ELECTRICAL

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 12-31-15

SOFFIT AND WALL-MOUNTED LUMINAIRES

- PENDANT SOFFIT LUMINAIRE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- FLUSH-MOUNTED SOFFIT LUMINAIRE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- WALL-MOUNTED LUMINAIRE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- EXISTING SOFFIT OR WALL-MOUNTED LUMINAIRE TO REMAIN UNMODIFIED
- EXISTING SOFFIT OR WALL-MOUNTED LUMINAIRE TO BE MODIFIED AS SPECIFIED

NOTE:
Arrow indicates "street side" of luminaire.

COMMONLY USED SYMBOLS FOR UNITED STATES CUSTOMARY UNITS OF MEASUREMENT:

SYMBOL	DEFINITIONS
Ω	OHMS
min	MINUTE
s	SECOND
bps	BITS PER SECOND
Bps	BYTES PER SECOND
A	AMPERE
V	VOLT
V(dc)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
FC	FOOT - CANDLE
W	WATTS
VA	VOLT-AMPERE
M	MEGA
k	KILO
m	MILLI
μ	MICRO
P	PICO
Hz	HERTZ

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED OCTOBER 30, 2015 SUPERSEDES RSP ES-1A DATED JULY 19, 2013 AND STANDARD PLAN ES-1A DATED MAY 20, 2011 - PAGE 425 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1A

MISCELLANEOUS ELECTROLIERS

NEW	EXISTING	
		LUMINAIRE ON WOOD POLE
		NON-STANDARD ELECTROLIER (SEE PROJECT LEGEND)
		CITY ELECTROLIER
		ELECTROLIER FOUNDATION (FUTURE INSTALLATION)

- NOTES:**
- LED luminaires shall be 235 W when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. LED luminaires shall be 165 W when installed on other type standards or poles, unless otherwise specified.
 - Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.

STANDARD ELECTROLIER

NEW	EXISTING	STANDARD TYPE
		15
		15D
		15 STRUCTURE
		15D STRUCTURE
		21
		21D
		21 STRUCTURE
		21D STRUCTURE
		30
		31
		32

2010 REVISED STANDARD PLAN RSP ES-1A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd, Riv	10,259, 79	Var	15	24

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

October 30, 2015
PLANS APPROVAL DATE

Theresa Aziz Gabriel
No. E15129
Exp. 6-30-16
ELECTRICAL
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED 12-31-15

CONDUIT

SIGNAL EQUIPMENT

NEW	EXISTING	
---	---	LIGHTING CONDUIT, UNLESS OTHERWISE INDICATED OR NOTED
---	---	TRAFFIC SIGNAL CONDUIT
---C---	---c---	COMMUNICATION CONDUIT
---T---	---t---	TELEPHONE CONDUIT
---F---	---f---	FIRE ALARM CONDUIT
---FO---	---fo---	FIBER OPTIC CONDUIT
---	---	CONDUIT TERMINATION
		CONDUIT RISER ATTACHED TO THE STRUCTURE OR SERVICE POLE

NEW	EXISTING	
		PEDESTRIAN SIGNAL HEAD
		PUSH BUTTON ASSEMBLY POST
		PEDESTRIAN BARRICADE
		VEHICLE SIGNAL HEAD (WITH BACKPLATE AND 3-SECTIONS: RED, YELLOW AND GREEN)
		VEHICLE SIGNAL HEAD WITH ANGLE VISOR
		MODIFICATIONS OF BASIC SYMBOL: "L" INDICATES ALL NON-ARROW SECTIONS LOUVERED "LG" INDICATES LOUVERED GREEN SECTION ONLY "PV" INDICATES ALL 12" SECTIONS PROGRAMMED VISIBILITY "8" INDICATES ALL 8" SECTIONS (ONLY WHEN SPECIFIED)

SIGNAL EQUIPMENT Cont

NEW	EXISTING	
		GUARD POST
		TYPE 1 STANDARD WITH RAMP METERING SIGN
		OPTICAL DETECTOR FOR THE EMERGENCY VEHICLE DETECTION

SERVICE EQUIPMENT

NEW	EXISTING	
---OH---	---oh---	OVERHEAD LINES
		WOOD POLE, "U" INDICATES UTILITY OWNED
		POLE GUY WITH ANCHOR
		UTILITY TRANSFORMER - GROUND MOUNTED
		SERVICE EQUIPMENT ENCLOSURE TYPE. DOOR INDICATES FRONT OF ENCLOSURE
		TELEPHONE DEMARCATION CABINET

POLE-MOUNTED SERVICE DESIGNATION

	TYPE H SERVICE, 28'-10"	TYPE OF INSTALLATION AND POLE HEIGHT ABOVE GRADE
--	-------------------------	--

FLASHING BEACON

NEW	EXISTING	
		FLASHING BEACON (ONE VEHICLE SIGNAL HEAD WITH BACKPLATE AND VISOR) "R" INDICATES RED INDICATION, "Y" INDICATES YELLOW INDICATION
		FLASHING BEACON WITH TYPE 15-FBS STANDARD AND A SIGN.
		FLASHING BEACON WITH TYPES 9, 9A OR 9B SIGN UNLESS OTHERWISE SPECIFIED OR INDICATED

		VEHICLE SIGNAL HEAD CONSISTING OF RED, YELLOW AND GREEN LEFT ARROW SECTIONS
		VEHICLE SIGNAL HEAD CONSISTING OF RED AND YELLOW SECTIONS WITH AN UP GREEN ARROW SECTION
		VEHICLE SIGNAL HEAD (5 SECTION) CONSISTING OF RED, YELLOW AND GREEN SECTIONS WITH YELLOW AND GREEN RIGHT ARROW SECTIONS
		TYPE 15TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		TYPE 21TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		STANDARD WITH LUMINAIRE AND SIGNAL MAST ARMS AND ATTACHED VEHICLE SIGNAL HEADS
		TYPE 1 STANDARD WITH ATTACHED VEHICLE SIGNAL HEADS
		STANDARD WITH A SIGNAL MAST ARM, ATTACHED VEHICLE SIGNAL HEADS AND INTERNALLY ILLUMINATED STREET NAME SIGN
		CONTROLLER ASSEMBLY. DOOR INDICATES FRONT OF CABINET

NOTES:

- All signal sections shall be 12" unless shown otherwise.
- Signal heads shall be provided with backplates unless shown otherwise.

ILLUMINATED OVERHEAD SIGN

NEW	EXISTING	
		SINGLE POST, SINGLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, DOUBLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, SINGLE ILLUMINATED SIGN, FULL CANTILEVER
		DOUBLE POST, SINGLE ILLUMINATED SIGN
		SINGLE ILLUMINATED SIGN MOUNTED ON STRUCTURE
		DOUBLE POST, SINGLE ILLUMINATED SIGN WITH ELECTROLIER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS
(LEGEND AND ABBREVIATIONS)**

NO SCALE

RSP ES-1B DATED OCTOBER 30, 2015 SUPERSEDES RSP ES-1B DATED JULY 19, 2013 AND STANDARD PLAN ES-1B DATED MAY 20, 2011 - PAGE 426 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1B

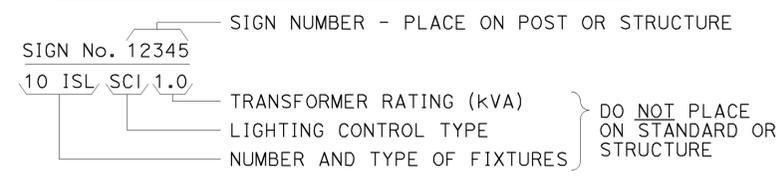
2010 REVISED STANDARD PLAN RSP ES-1B



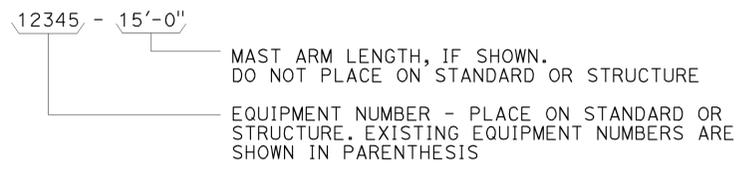
TO ACCOMPANY PLANS DATED 12-31-15

EQUIPMENT IDENTIFICATION

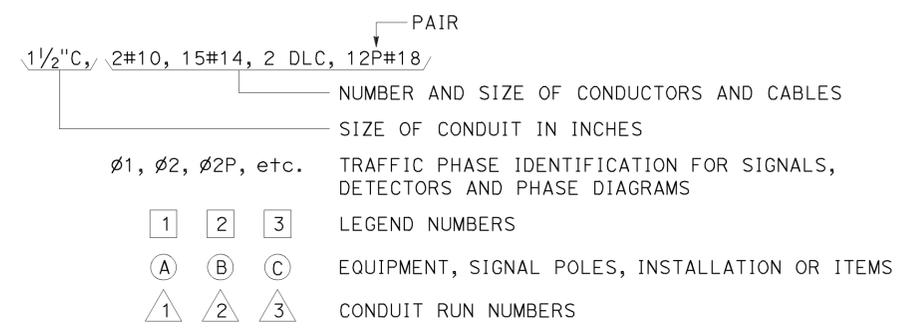
ILLUMINATED SIGN IDENTIFICATION NUMBER:



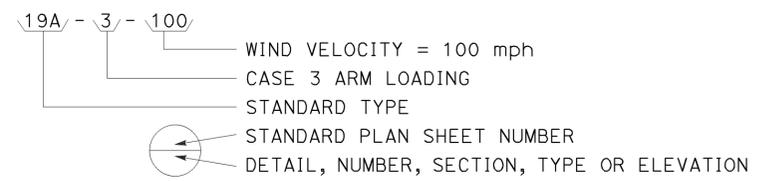
ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



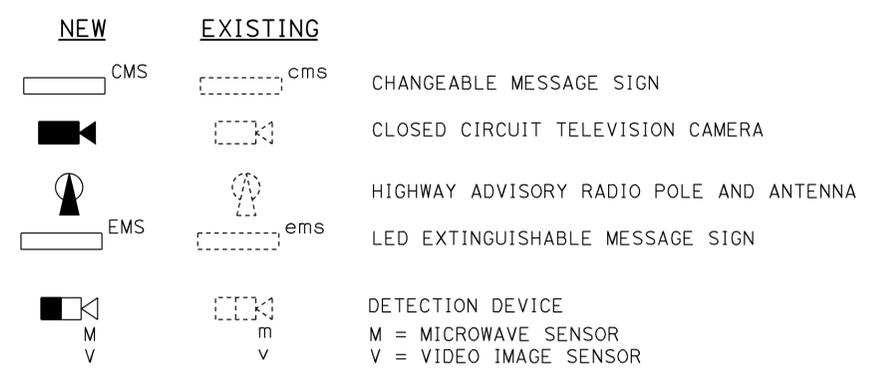
CONDUIT AND CONDUCTOR IDENTIFICATION:



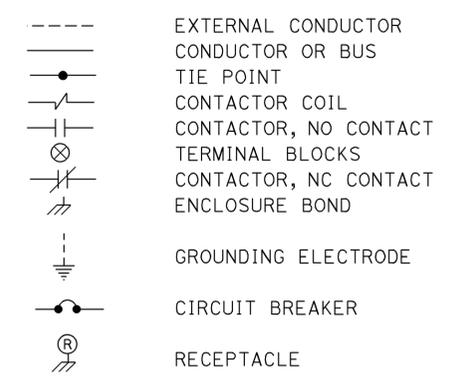
SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



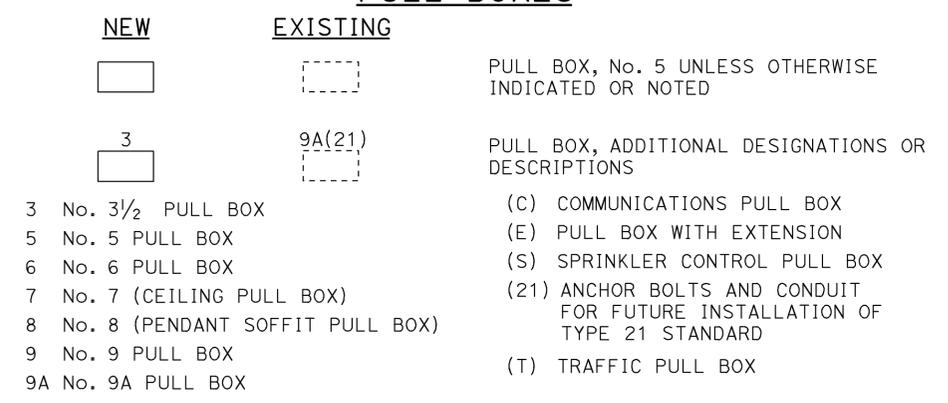
MISCELLANEOUS EQUIPMENT



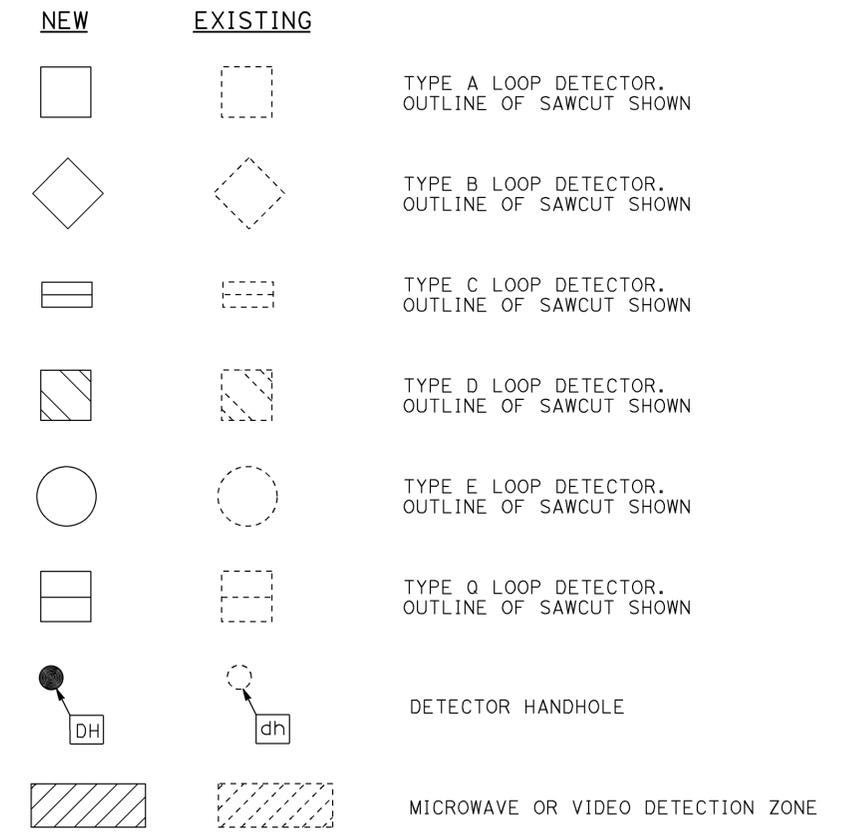
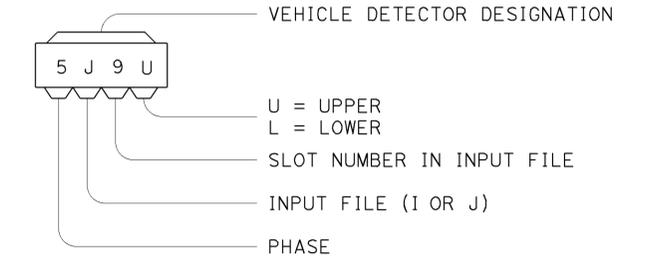
WIRING DIAGRAM LEGEND



PULL BOXES



VEHICLE DETECTORS



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1C DATED OCTOBER 30, 2015 SUPERSEDES RSP ES-1C DATED JULY 19, 2013 AND STANDARD PLAN ES-1C DATED MAY 20, 2011 - PAGE 427 OF THE STANDARD PLANS BOOK DATED 2010.

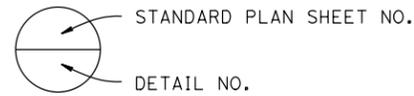
2010 REVISED STANDARD PLAN RSP ES-1C

LEGEND:

- INDICATE EXISTING.
- ⇒ INDICATES DIRECTION OF TRAFFIC.
- INDICATES LOCATION OF CLEAN EXPANSION JOINT AND PLACEMENT OF NEW JOINT SEAL.
- ▨ INDICATES LIMITS OF PREPARE CONCRETE BRIDGE DECK SURFACE AND TREAT EXISTING BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.

STANDARD PLANS DATED 2010

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



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	MISCELLANEOUS DETAILS NO. 1
8	MISCELLANEOUS DETAILS NO. 2

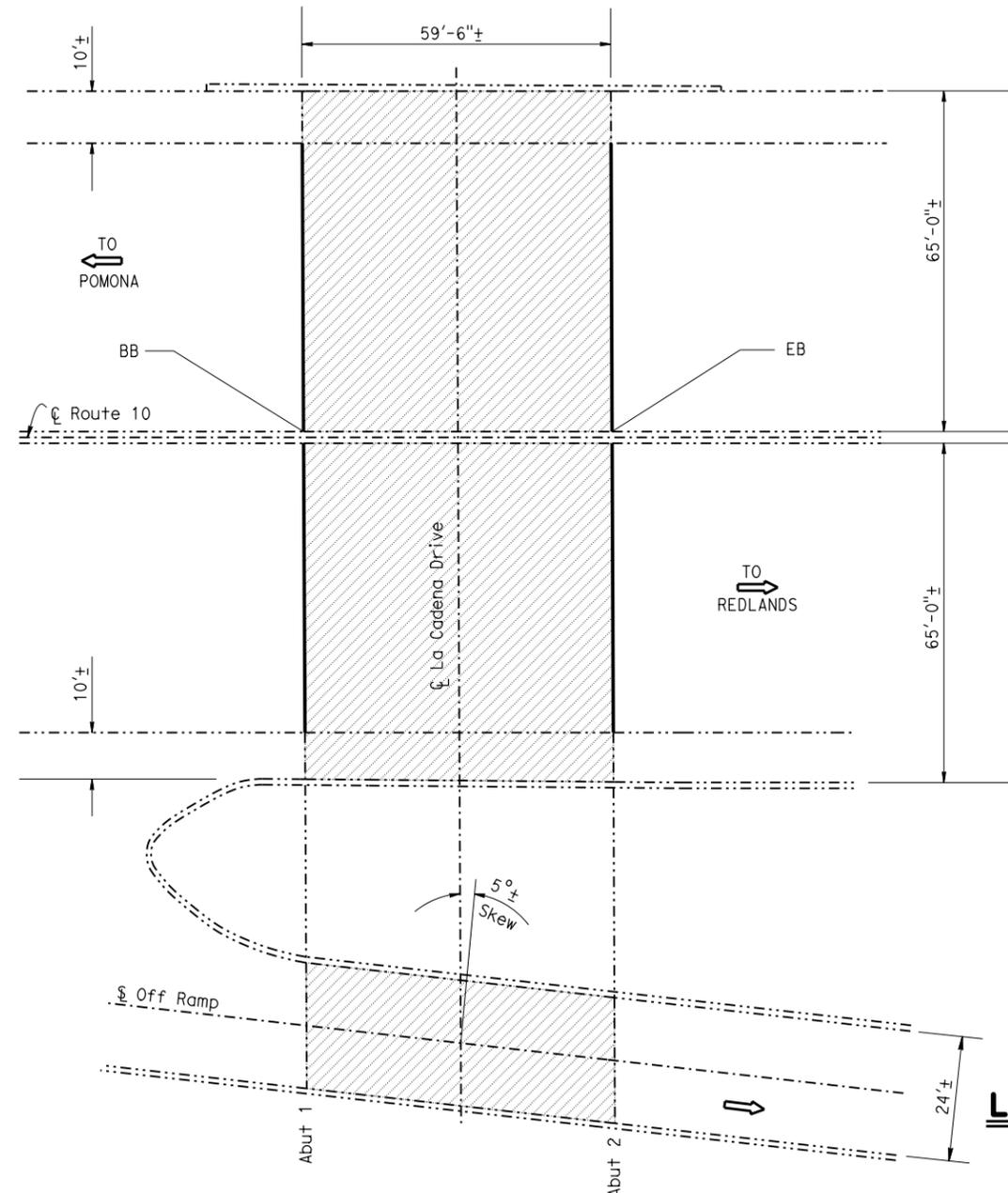
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd, Riv	10,79, 259	Var	17	24

 10/23/15
 REGISTERED CIVIL ENGINEER DATE

12-31-15
 PLANS APPROVAL DATE

Edward Nahm
 No. C66900
 Exp. 09/30/16
 CIVIL
 STATE OF CALIFORNIA

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



LA CADENA DRIVE UC BRIDGE NO. 54-0462

QUANTITIES	LUMP SUM
PUBLIC SAFETY PLAN	
PREPARE CONCRETE BRIDGE DECK SURFACE	7,735 SQFT
TREAT BRIDGE DECK	7,735 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	97 GAL
CLEAN EXPANSION JOINT	220 LF
JOINT SEAL (MR 1")	220 LF

LA CADENA DRIVE UC (EB OFF) BRIDGE NO. 54-0462S

QUANTITIES	LUMP SUM
PUBLIC SAFETY PLAN	
PREPARE CONCRETE BRIDGE DECK SURFACE	1,428 SQFT
TREAT BRIDGE DECK	1,428 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	18 GAL

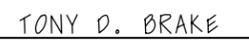
LA CADENA DRIVE UC
 Br No. 54-0462, Rte 10, PM R22.6
 1/16"=1'



LA CADENA DRIVE UC (EB OFF)
 Br No. 54-0462S, Rte 10, PM R22.6
 1/16"=1'



NOTE:
 THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

 TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Edward Nahm	CHECKED Tony Brake	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	BRIDGE NO.	Various	ROUTE 10, 79, 259 BRIDGES GENERAL PLAN NO. 1	
	DETAILS	BY Eugene Goishi	CHECKED Edward Nahm	LAYOUT	BY Eugene Goishi			CHECKED Edward Nahm	POST MILE		Varies
	QUANTITIES	BY Edward Nahm	CHECKED Tony Brake	SPECIFICATIONS	BY Theresa Nedwick			PLANS AND SPECS COMPARED Theresa Nedwick	CONTRACT NO.		08-1F6404

UNIT: 3489
 PROJECT NUMBER : 0815000006-1
 CONTRACT NO. 08-1F6404
 DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
01/15 10-23-15	01	08

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 FILE => 08-1f6404-a-gp 01.dgn

USERNAME => s125726 DATE PLOTTED => 01-FEB-2016 TIME PLOTTED => 12:50

LEGEND:

- INDICATES EXISTING.
- INDICATES DIRECTION OF TRAFFIC.
- INDICATES LOCATION OF CLEAN EXPANSION JOINT AND PLACEMENT OF NEW JOINT SEAL.
- ▨ INDICATES LIMITS OF PREPARE CONCRETE BRIDGE DECK SURFACE AND TREAT EXISTING BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.

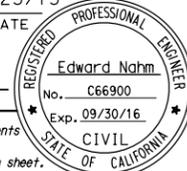
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBd, Riv	10, 79 259	Var	18	24

10/23/15

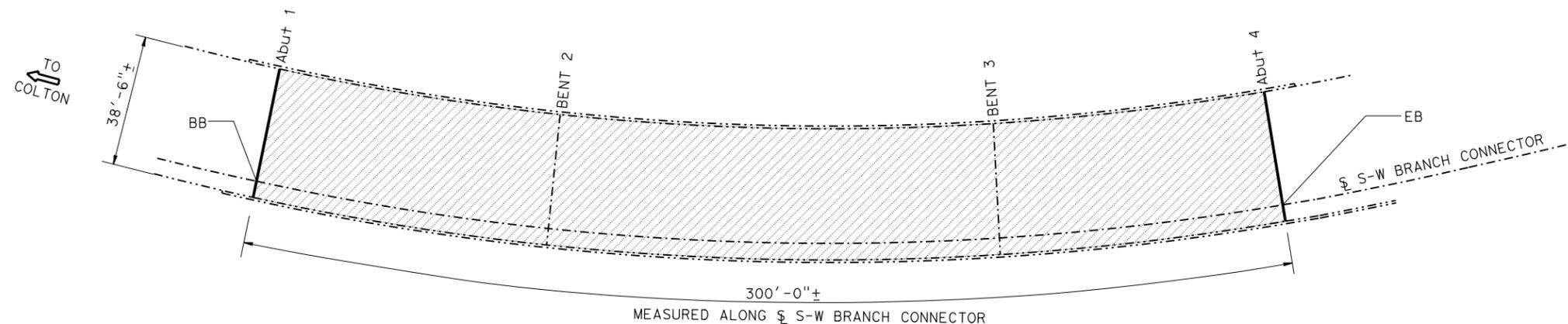
REGISTERED CIVIL ENGINEER DATE

12-31-15

PLANS APPROVAL DATE



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W10 ALABAMA UC (E210-W10 CONN)

Br No. 54-0937G, Rte 10, PM 29.6
1"=20'



W10 ALABAMA UC	QUANTITIES	BRIDGE NO. 54-0937G
PUBLIC SAFETY PLAN		LUMP SUM
PREPARE CONCRETE BRIDGE DECK SURFACE		11,550 SQFT
TREAT BRIDGE DECK		11,550 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL		144 GAL
CLEAN EXPANSION JOINT		78 LF
JOINT SEAL (MR 1 1/2")		78 LF

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

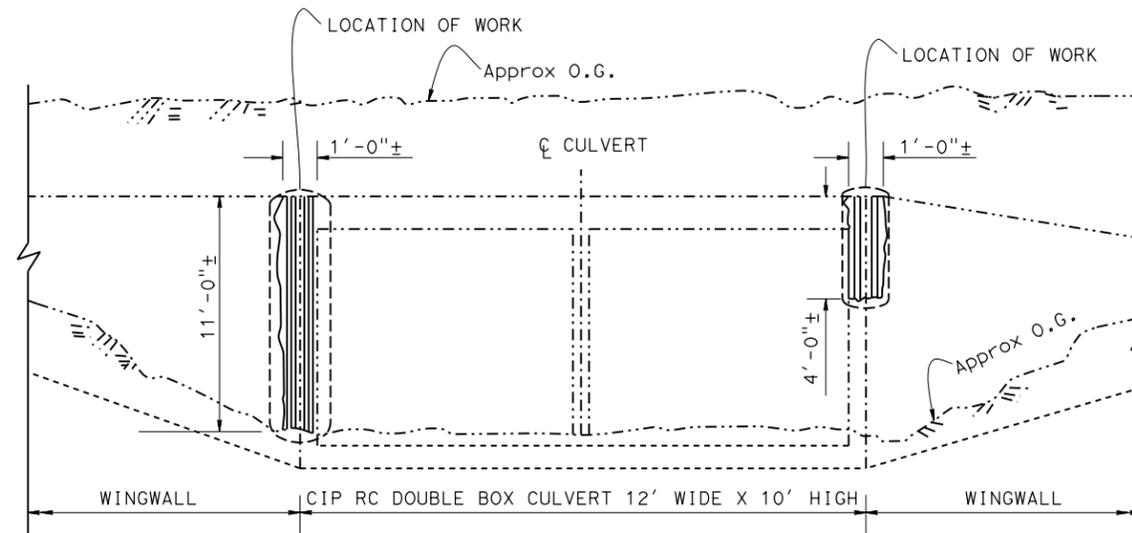
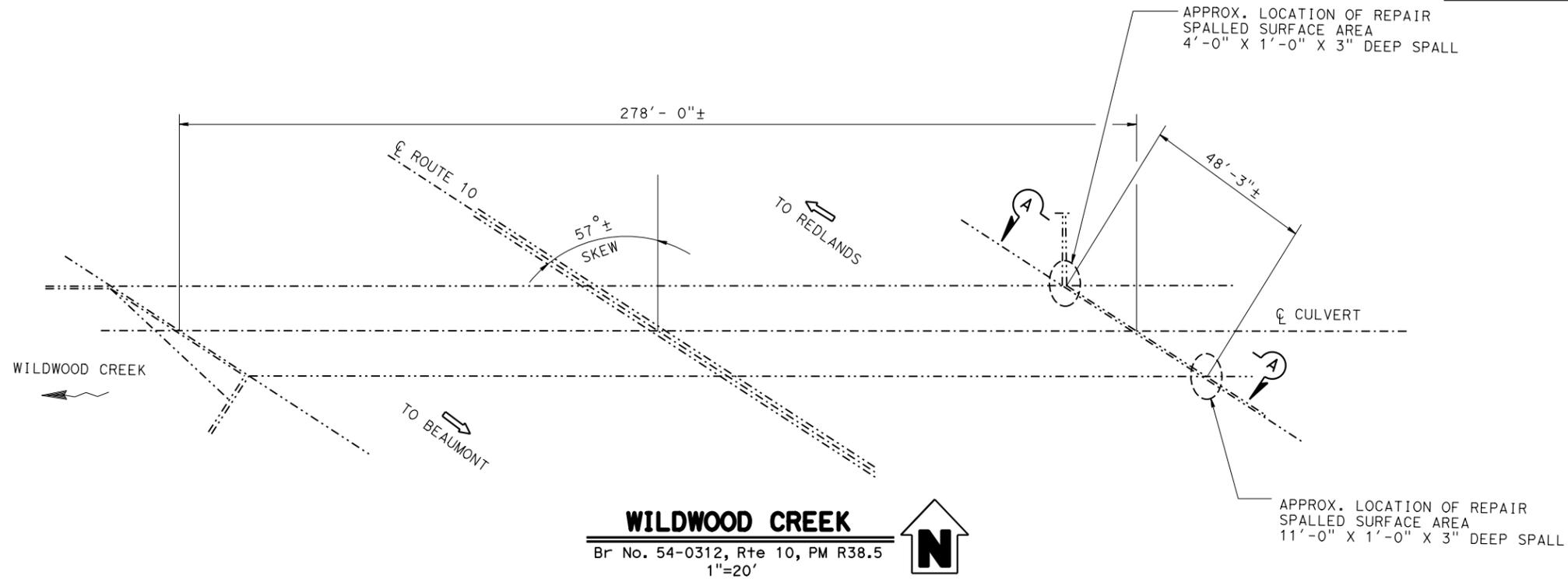
<p style="text-align: center; font-size: small;">TONY D. BRAKE</p> <p style="font-size: x-small;">DESIGN ENGINEER</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">DESIGN</td> <td style="width: 20%;">BY Edward Nahm</td> <td style="width: 20%;">CHECKED Tony Brake</td> <td style="width: 40%;">LOAD FACTOR DESIGN</td> </tr> <tr> <td>DETAILS</td> <td>BY Eugene Goishi</td> <td>CHECKED Edward Nahm</td> <td>LAYOUT</td> </tr> <tr> <td>QUANTITIES</td> <td>BY Edward Nahm</td> <td>CHECKED Tony Brake</td> <td>SPECIFICATIONS</td> </tr> </table>	DESIGN	BY Edward Nahm	CHECKED Tony Brake	LOAD FACTOR DESIGN	DETAILS	BY Eugene Goishi	CHECKED Edward Nahm	LAYOUT	QUANTITIES	BY Edward Nahm	CHECKED Tony Brake	SPECIFICATIONS	<p style="font-size: x-small;">LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">BY Eugene Goishi</td> <td style="width: 20%;">CHECKED Edward Nahm</td> </tr> <tr> <td>BY Theresa Nedwick</td> <td>PLANS AND SPECS COMPARED Theresa Nedwick</td> </tr> </table>	BY Eugene Goishi	CHECKED Edward Nahm	BY Theresa Nedwick	PLANS AND SPECS COMPARED Theresa Nedwick	<p>STATE OF CALIFORNIA</p> <p>DEPARTMENT OF TRANSPORTATION</p>	<p>DIVISION OF MAINTENANCE</p> <p>STRUCTURE MAINTENANCE DESIGN</p>	<p>BRIDGE NO. Various</p> <p>POST MILE Varies</p>	<p>ROUTE 10, 79, 259 BRIDGES</p> <p>GENERAL PLAN NO. 2</p>
DESIGN	BY Edward Nahm	CHECKED Tony Brake	LOAD FACTOR DESIGN																			
DETAILS	BY Eugene Goishi	CHECKED Edward Nahm	LAYOUT																			
QUANTITIES	BY Edward Nahm	CHECKED Tony Brake	SPECIFICATIONS																			
BY Eugene Goishi	CHECKED Edward Nahm																					
BY Theresa Nedwick	PLANS AND SPECS COMPARED Theresa Nedwick																					
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			UNIT: 3489 PROJECT NUMBER & PHASE: 0815000006-1	CONTRACT NO. 08-1F6404	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 02 OF 08													

USERNAME => s125726 DATE PLOTTED => 01-FEB-2016 TIME PLOTTED => 12:48

LEGEND:

- INDICATES EXISTING.
- ➔ INDICATES DIRECTION OF TRAFFIC.
- ▨ INDICATES LIMITS OF REPAIR SPALLED SURFACE AREA.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd, Riv	10, 79, 259	Var	19	24
			10/23/15		
			REGISTERED CIVIL ENGINEER	DATE	
			12-31-15		
			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



VIEW A-A
NO SCALE

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

WILDWOOD CREEK BRIDGE NO. 54-0312
REPAIR SPALLED SURFACE AREA QUANTITIES 15 SQFT

TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Edward Nahm	CHECKED Tony Brake	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	ROUTE 10, 79, 259 BRIDGES GENERAL PLAN NO. 3				
	DETAILS	BY Eugene Goishi	CHECKED Edward Nahm	LAYOUT	BY Eugene Goishi		CHECKED Edward Nahm		Various			
	QUANTITIES	BY Edward Nahm	CHECKED Tony Brake	SPECIFICATIONS	BY Theresa Nedwick		CHECKED Theresa Nedwick		Varies			
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			UNIT: 3489	PROJECT NUMBER & PHASE: 0815000006-1	CONTRACT NO. 08-1F6404	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 03 OF 08

USERNAME => s125726 DATE PLOTTED => 01-FEB-2016 TIME PLOTTED => 12:51

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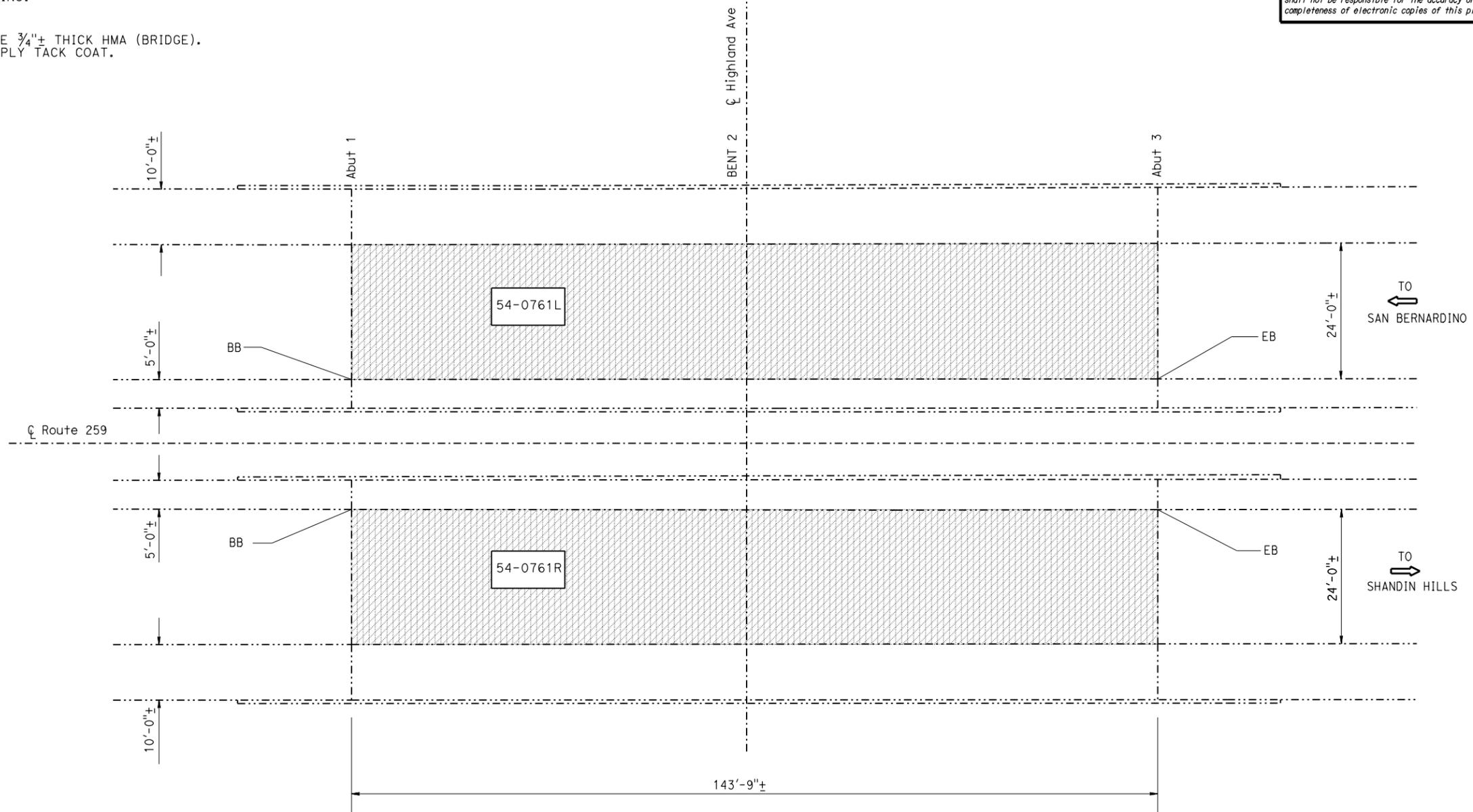
- INDICATES EXISTING.
- ➔ INDICATES DIRECTION OF TRAFFIC.
- [Hatched Box] INDICATES LIMITS OF REMOVE EXISTING 3/4"± THICK ASPHALT CONCRETE SURFACING.
- [Diagonal Hatched Box] INDICATES LIMITS OF PLACE 3/4"± THICK HMA (BRIDGE). PRIOR TO PLACING HMA, APPLY TACK COAT.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	SBD, Riv	10, 79, 259	Var	20	24

10/23/15
 REGISTERED CIVIL ENGINEER DATE

12-31-15
 PLANS APPROVAL DATE

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



HIGHLAND AVENUE UC ➔

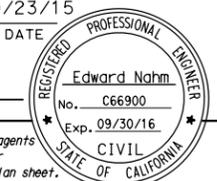
Br No. 54-0761 L/R, Rte 259, PM R0.49
 $\frac{3}{32}'' = 1'$

HIGHLAND AVENUE UC	BRIDGE NO. 54-0761L/R
QUANTITIES	
REMOVE ASPHALT CONCRETE SURFACING	6,900 SQFT
HOT MIX ASPHALT (BRIDGE)	36 TON
TACK COAT	0.2 TON

NOTE:
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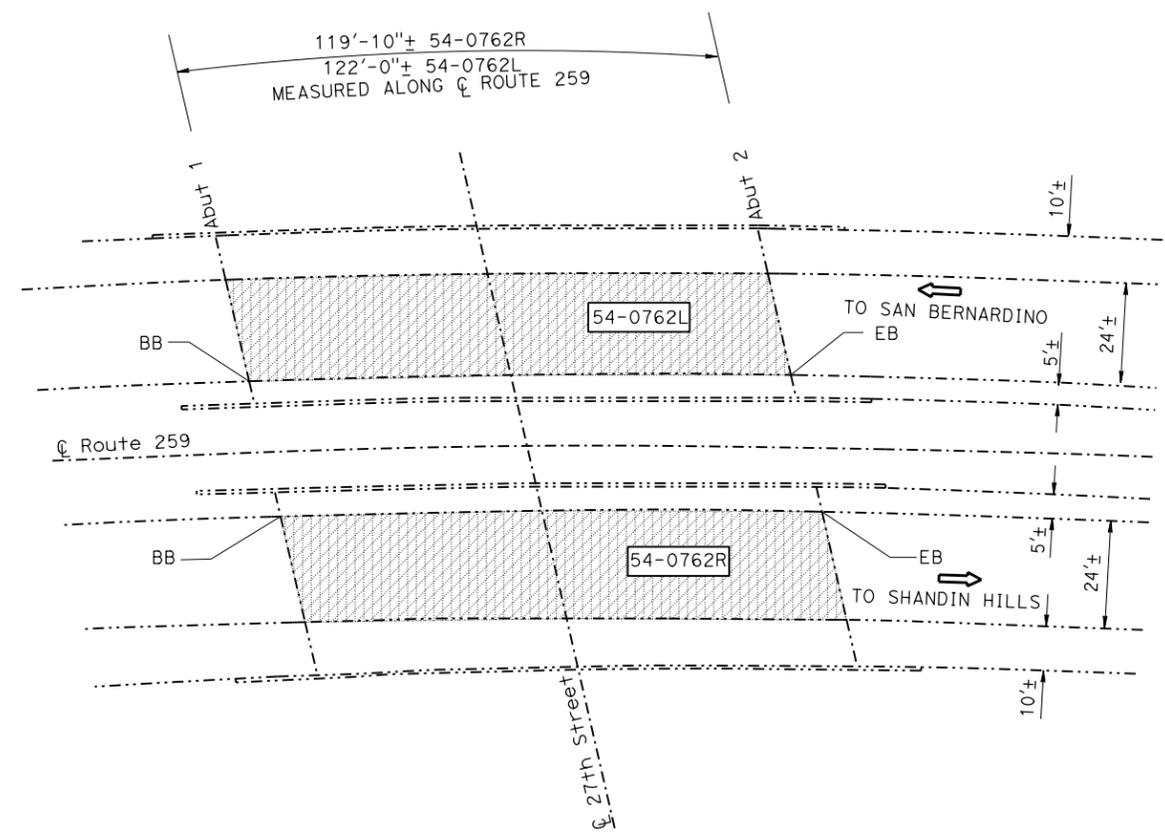
 TONY D. BRAKE DESIGN ENGINEER	DESIGN BY Edward Nahm DETAILS BY Eugene Goishi QUANTITIES BY Edward Nahm	CHECKED Tony Brake CHECKED Edward Nahm CHECKED Tony Brake	LOAD FACTOR DESIGN LAYOUT SPECIFICATIONS	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD BY Eugene Goishi BY Theresa Nedwick	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Various POST MILE Varies	ROUTE 10, 79, 259 BRIDGES GENERAL PLAN NO. 4				
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3489 PROJECT NUMBER & PHASE: 0815000006-1		CONTRACT NO. 08-1F6404		DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 04 OF 08

USERNAME => s125726 DATE PLOTTED => 01-FEB-2016 TIME PLOTTED => 12:52

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd, Riv	10, 79, 259	Var	21	24
 REGISTERED CIVIL ENGINEER DATE 10/23/15					
PLANS APPROVAL DATE 12-31-15					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					

LEGEND:

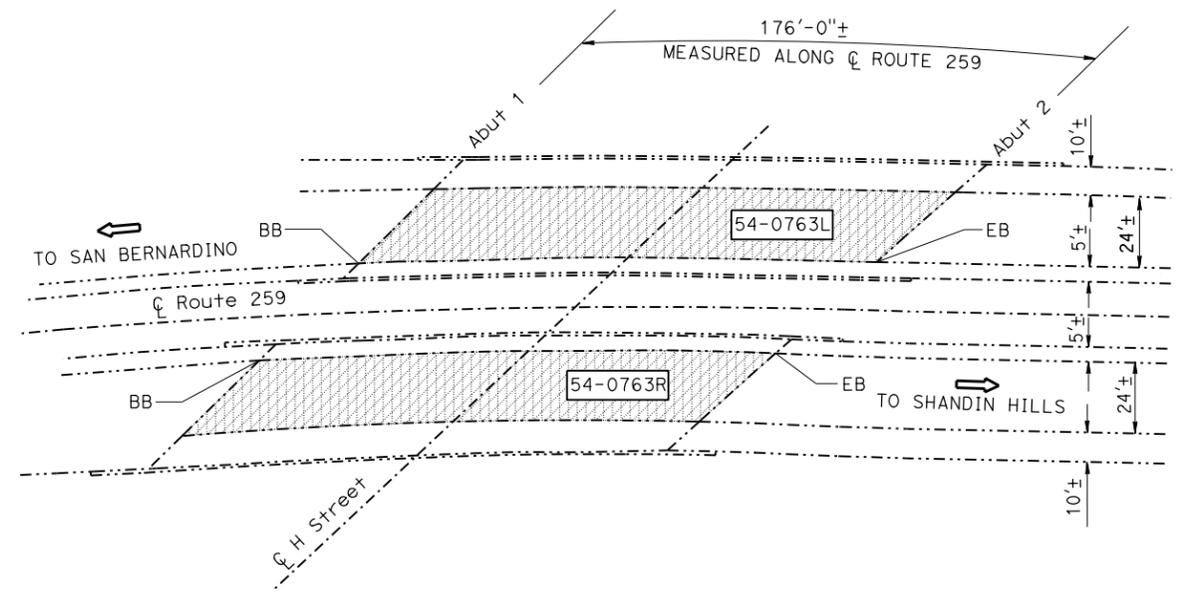
- INDICATES EXISTING.
- INDICATES DIRECTION OF TRAFFIC.
-  INDICATES LIMITS OF REMOVE EXISTING 3/4"± THICK ASPHALT CONCRETE SURFACING.
-  INDICATES LIMITS OF PLACE 3/4"± THICK HMA (BRIDGE). PRIOR TO PLACING HMA, APPLY TACK COAT.



27th STREET UC
 Br No. 54-0762 L/R, Rte 259, PM 0.81
 1"=20'

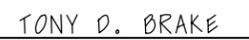
27th STREET UC	QUANTITIES	BRIDGE NO. 54-0762L/R
REMOVE ASPHALT CONCRETE SURFACING	5,804 SQFT	
HOT MIX ASPHALT (BRIDGE)	32 TON	
TACK COAT	0.2 TON	

NOTE:
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H STREET UC
 Br No. 54-0763 L/R, Rte 259, PM 1.01
 1"=30'

H STREET UC	QUANTITIES	BRIDGE NO. 54-0763L/R
REMOVE ASPHALT CONCRETE SURFACING	8,448 SQFT	
HOT MIX ASPHALT (BRIDGE)	46 TON	
TACK COAT	0.3 TON	

 TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Edward Nahm	CHECKED Tony Brake	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
	DETAILS	BY Eugene Goishi	CHECKED Edward Nahm	LAYOUT	BY Eugene Goishi
	QUANTITIES	BY Edward Nahm	CHECKED Tony Brake	SPECIFICATIONS	BY Theresa Nedwick

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	Various	ROUTE 10, 79, 259 BRIDGES GENERAL PLAN NO. 5
POST MILE	Varies	
UNIT: 3489	PROJECT NUMBER & PHASE: 0815000006-1	

USERNAME => s125726 DATE PLOTTED => 01-FEB-2016 TIME PLOTTED => 12:53

LEGEND:

- INDICATES EXISTING.
- INDICATES DIRECTION OF TRAFFIC.
- INDICATES LOCATION OF CLEAN EXPANSION JOINT AND PLACEMENT OF NEW JOINT SEAL.
- ▨ INDICATES LIMITS OF PREPARE CONCRETE BRIDGE DECK SURFACE. FURNISH AND PLACE NEW 3/4" THICK MIN AND VARIES POLYESTER CONCRETE OVERLAY. PRIOR TO PLACING NEW POLYESTER CONCRETE OVERLAY, REMOVE UNSOUND CONCRETE AND PATCH WITH RAPID SETTING CONCRETE.

NOTE:

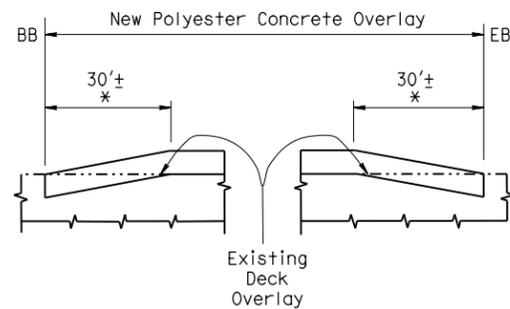
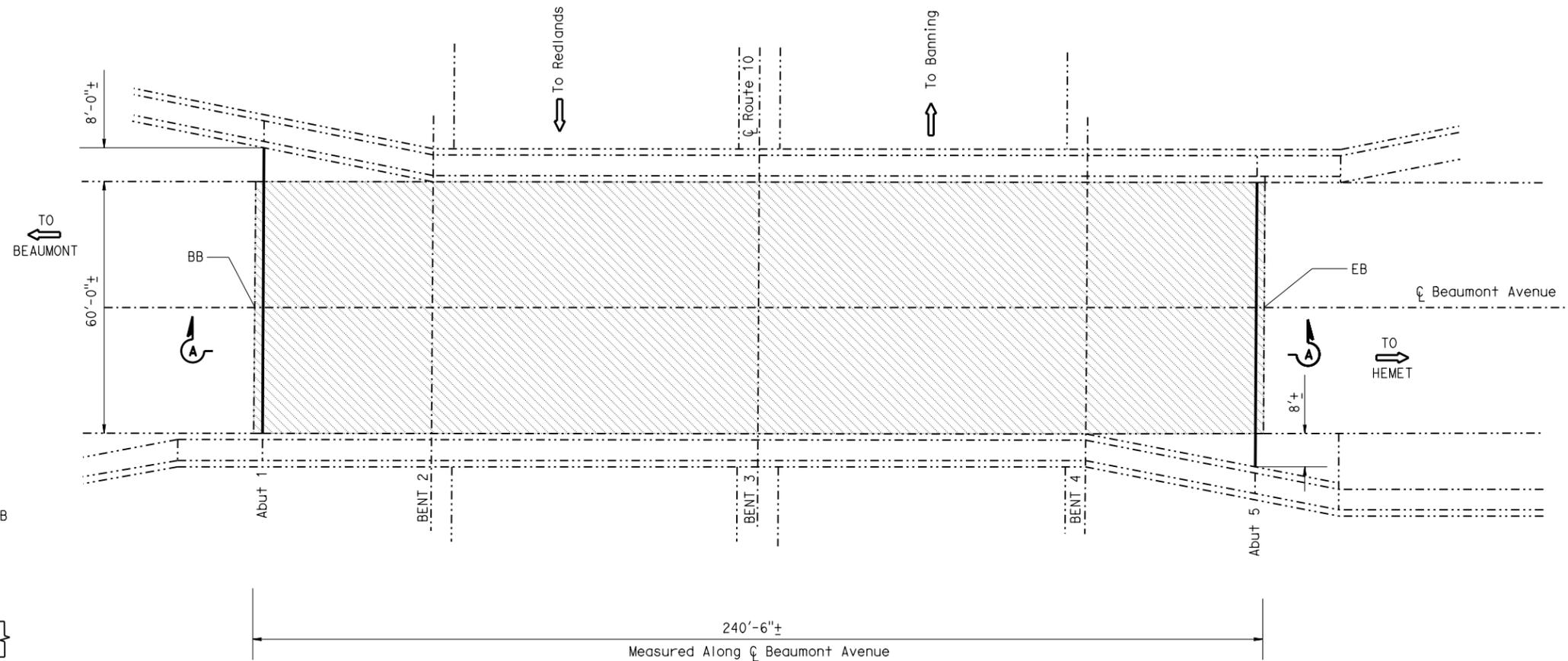
1. FOR DECK REPAIR DETAIL-OVERLAY, SEE "MISCELLANEOUS DETAILS NO. 2" SHEET.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd, Riv	10, 79, 259	Var	22	24

10/23/15
 REGISTERED CIVIL ENGINEER DATE
 Edward Nahm
 No. C66900
 Exp. 09/30/16
 CIVIL
 STATE OF CALIFORNIA

12-31-15
 PLANS APPROVAL DATE

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SECTION A-A

No Scale

* LIMITS OF REMOVE CONCRETE DECK SURFACING 0 INCH MIN TO 3/4 INCH MAXIMUM FULL WIDTH. GRIND FLUSH TO CONFORM WITH EXISTING PROFILE.

BEAUMONT AVENUE SEPARATION (79/10 SEP)

Br No. 56-0435, Rte 79 PM 40.43
 1/16" = 1'

BEAUMONT AVENUE SEPARATION BRIDGE NO. 56-0435
 QUANTITIES

	LUMP SUM
PUBLIC SAFETY PLAN	36 CF
RAPID SETTING CONCRETE (PATCH)	36 CF
REMOVE UNSOUND CONCRETE	14,430 SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	1,082 CF
FURNISH POLYESTER CONCRETE OVERLAY	14,430 SQFT
PLACE POLYESTER CONCRETE OVERLAY	400 SQYD
GRIND EXISTING BRIDGE DECK	136 LF
CLEAN EXPANSION JOINT	136 LF
JOINT SEAL (MR 1 1/2")	

NOTE:
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TONY D. BRAKE DESIGN ENGINEER	DESIGN	BY Edward Nahm	CHECKED Tony Brake	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	BRIDGE NO.	Various	ROUTE 10, 79, 259 BRIDGES GENERAL PLAN NO. 6	
	DETAILS	BY Eugene Goishi	CHECKED Edward Nahm	LAYOUT	BY Eugene Goishi			CHECKED Edward Nahm	POST MILE		Varies
	QUANTITIES	BY Edward Nahm	CHECKED Tony Brake	SPECIFICATIONS	BY Theresa Nedwick			CHECKED Theresa Nedwick	PLANS AND SPECS COMPARED		Theresa Nedwick

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

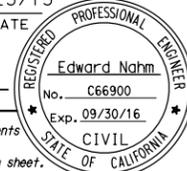
UNIT: 3489
 PROJECT NUMBER & PHASE: 0815000006-1
 CONTRACT NO. 08-1F6404

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
07-15 10-23-15	06	08

FILE => 08-1f6404-a-gp06.dgn

USERNAME => s125726 DATE PLOTTED => 01-FEB-2016 TIME PLOTTED => 12:53

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Sbd, Riv	10,79, 259	Var	23	24
 REGISTERED CIVIL ENGINEER			10/23/15	DATE	
12-31-15 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					

JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION	MINIMUM "MR" (INCHES)	APPROX JOINT LENGTH (LF)	EXISTING WATERSTOP	LENGTH TO CLEAN EXP JOINT (LF)	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)
LA CADENA DRIVE UC	54-0462	Abut 1	1	110	YES	110	12
		Abut 2	1	110	YES	110	12
W10-ALABAMA UC	54-0937G	Abut 1	1 1/2	39	YES	39	12
		Abut 4	1 1/2	39	YES	39	12
BEAUMONT AVENUE SEPARATION	56-0435	Abut 1	1 1/2	68	YES	68	12
		Abut 5	1 1/2	68	YES	68	12

Note: BW = Backwall
DJ = Deck Joint

NOTES:

The following notes apply to JOINT SEAL TYPE A:

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

For details not shown see RSP B6-21 sheet.

The following notes apply to JOINT SEAL TYPE B:

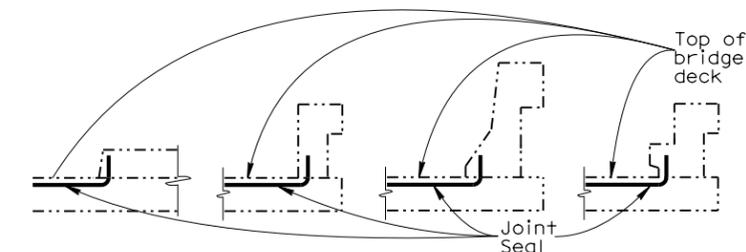
1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.

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

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

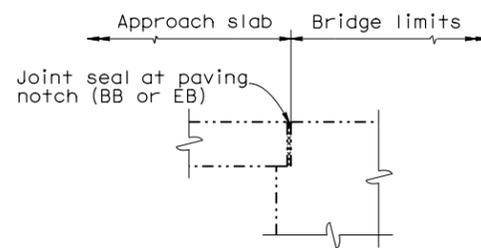
4) Bend Type B joint seal 6 inches up into curb or rail on the low side of the deck where deck joint matches curb or rail joint.

For details not shown see B6-21 sheet.

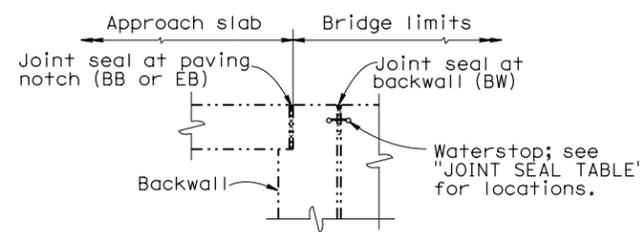


BARRIER RAIL JOINT SEAL AT LOW SIDE OF DECK

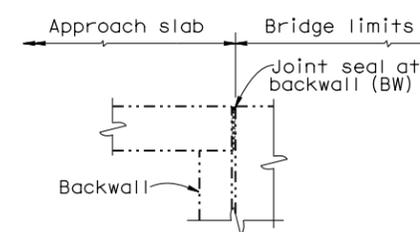
Note: Details shown for illustration purposes only. For use only where deck joint matches the sidewalk, curb or barrier rail joint.



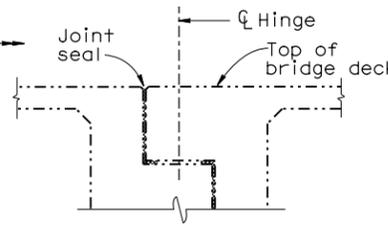
DIAPHRAGM ABUTMENT



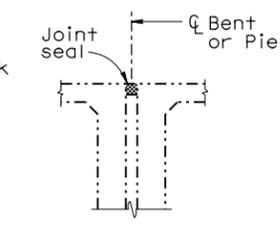
ABUTMENT WITH BACKWALL AND PAVING NOTCH



ABUTMENT WITH BACKWALL



HINGE



BENT OR PIER

JOINT SEAL LOCATION

NO SCALE

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

DESIGN	BY Edward Nahm	CHECKED Tony Brake
DETAILS	BY Eugene Goishi	CHECKED Edward Nahm
QUANTITIES	BY Edward Nahm	CHECKED Tony Brake

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	Various
POST MILE	Varies

ROUTE 10, 79, 259 BRIDGES
MISCELLANEOUS DETAILS NO. 1

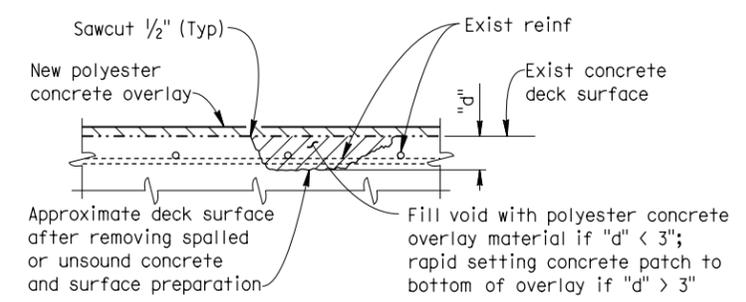
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	SBD, Riv	10, 79, 259	Var	24	24

10/23/15
REGISTERED CIVIL ENGINEER DATE

12-31-15
PLANS APPROVAL DATE

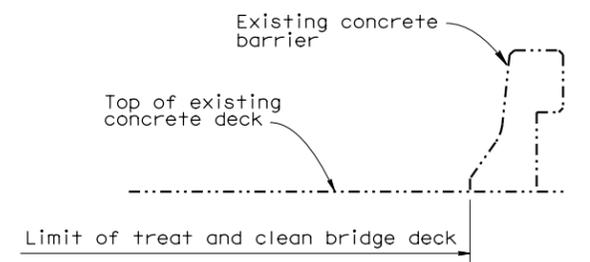
Edward Nahm
No. C66900
Exp. 09/30/16
CIVIL
STATE OF CALIFORNIA

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DECK REPAIR DETAIL - OVERLAY

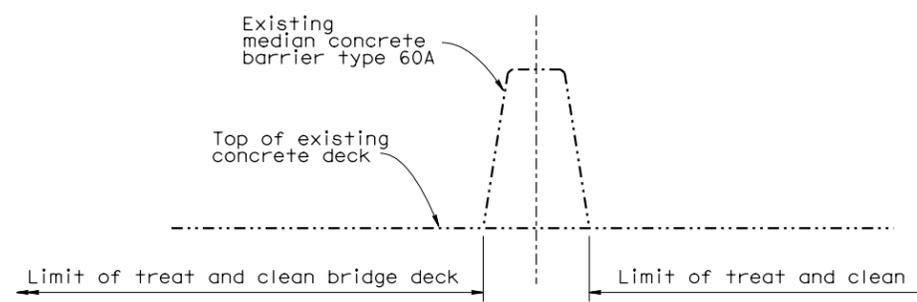
(Br No. 56-0435)
Reinforcement may be encountered during deck concrete removal.



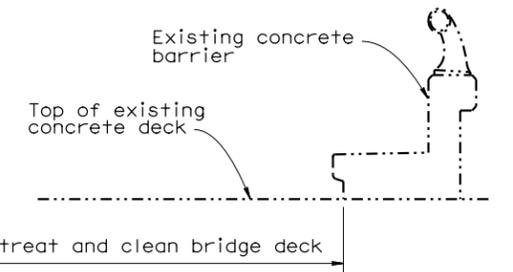
EOD BARRIER

**DECK REPAIR TABLE
REMOVE UNSOUND CONCRETE AND
RAPID SETTING CONCRETE (PATCH)**

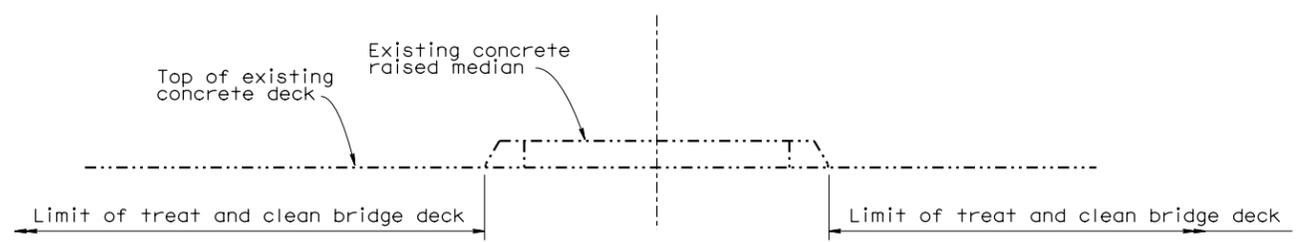
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (%)	APPROXIMATE DEPTH (INCH)
BEAUMONT AVENUE SEPARATION (79/10) SEP	56-0435	1%	3



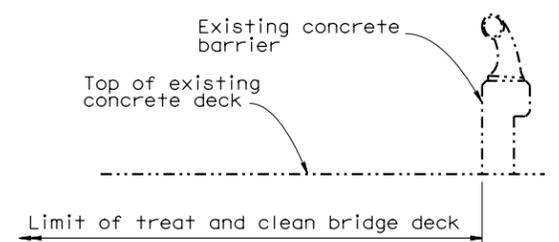
MEDIAN BARRIER



SIDEWALK BARRIER TYPE 2



RAISED MEDIAN



SIDEWALK BARRIER TYPE 1

TYPICAL LIMITS OF DECK WORK

NO SCALE

NOTE:
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL. EXISTING UTILITY FACILITIES ARE NOT INCLUDED ON THESE PLANS.

DESIGN	BY Edward Nahm	CHECKED Tony Brake
DETAILS	BY Eugene Goishi	CHECKED Edward Nahm
QUANTITIES	BY Edward Nahm	CHECKED Tony Brake

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN**

BRIDGE NO. Various

POST MILE Varies

ROUTE 10, 79, 259 BRIDGES

MISCELLANEOUS DETAILS NO. 2

FILE => 08-1f6401-c-miscdt1s02.dgn USERNAME => s125726 DATE PLOTTED => 01-FEB-2016 TIME PLOTTED => 12:55