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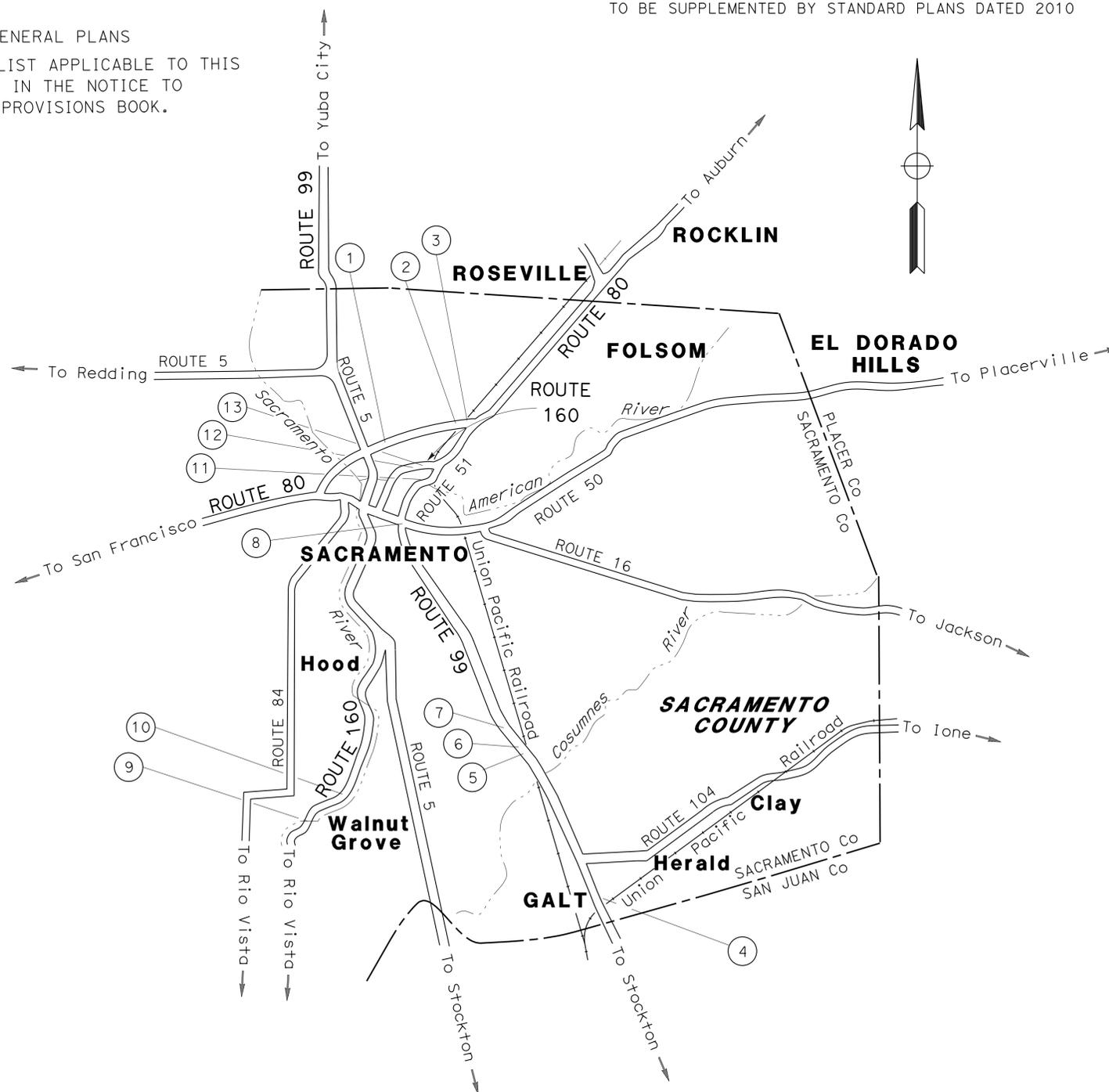
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SACRAMENTO COUNTY
AT VARIOUS LOCATIONS**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80,99,160	Var	1	34

LOCATION MAP



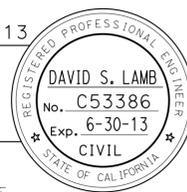
LOCATIONS OF CONSTRUCTION

No. (X)	COUNTY	ROUTE	POST MILE	BRIDGE NUMBER	STRUCTURE NAME
1	Sac	80	M2.87	24-0210	SAN JUAN ROAD OC
2	Sac	80	M8.59	24-0276Y	GRAND AVENUE OH
3	Sac	80	M9.40	24-0283	LONGVIEW DRIVE OC
4	Sac	99	1.62	24-0139	AMADOR AVENUE OC
5	Sac	99	8.81	24-0073R	MCCONNELL OH
6	Sac	99	10.07	24-0367	GRANT LINE ROAD OC
7	Sac	99	12.76	24-0361	ELK GROVE Blvd OC
8	Sac	99	R24.27	24-0231L	OAK PARK SEPARATION
9	Sac	160	5.86	24-0051	SACRAMENTO RIVER (ISLETON)
10	Sac	160	19.76	24-0052	STEAMBOAT SLOUGH
11	Sac	160	R44.47	24-0001L	AMERICAN RIVER
12	Sac	160	R45.02	24-0111L	NORTH SACRAMENTO UC
13	Sac	160	46.25	24-0118	SWANSTON OC

PROJECT MANAGER
RONALD S. SYKES

 DESIGN ENGINEER
RONALD S. SYKES

David S. Lamb 1-22-13
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
February 11, 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.



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

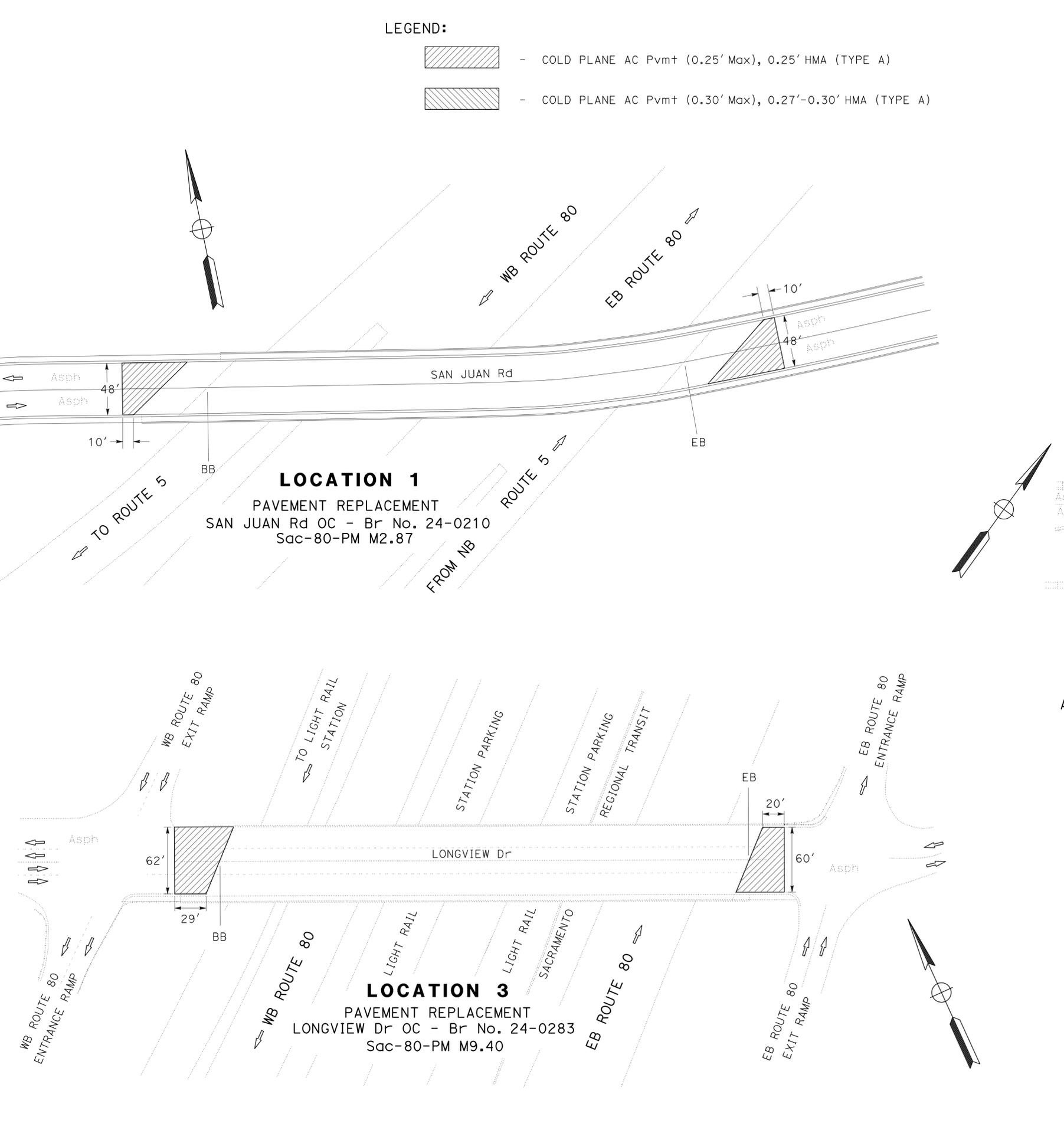
NO SCALE

CONTRACT No.	03-4M5204
PROJECT ID	0312000009

DATE PLOTTED => 12-FEB-2013
 TIME PLOTTED => 09:46
 LAST REVISION 01-23-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: RONALD S. SYKES
 CALCULATED/DESIGNED BY: NIK BEACH
 CHECKED BY: DAVID S. LAMB
 REVISIONS: (Table with columns for REVISED BY and DATE REVISIED)



- LEGEND:**
- COLD PLANE AC Pvm+ (0.25' Max), 0.25' HMA (TYPE A)
 - COLD PLANE AC Pvm+ (0.30' Max), 0.27'-0.30' HMA (TYPE A)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	2	34

REGISTERED CIVIL ENGINEER: *D.S. Lamb* 1-22-13
 DATE: 2-11-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER: **DAVID S. LAMB**
 No. C53386
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

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

LOCATION 4
 PAVEMENT REPLACEMENT
 AMADOR Ave OC - Br No. 24-0139
 Sac-99-PM 1.62

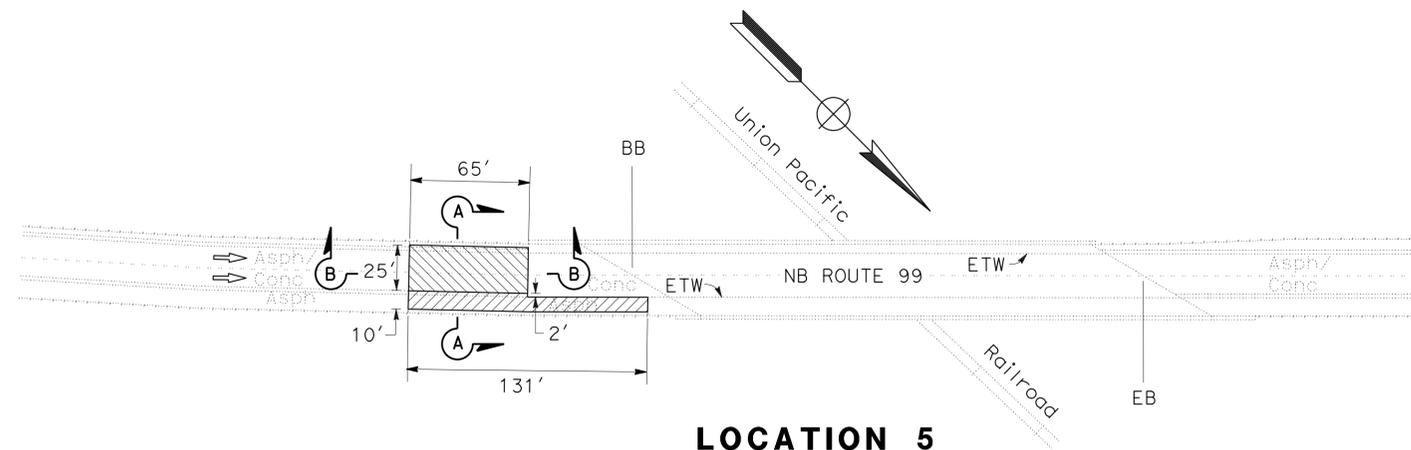
CONSTRUCTION DETAILS
 NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	3	34

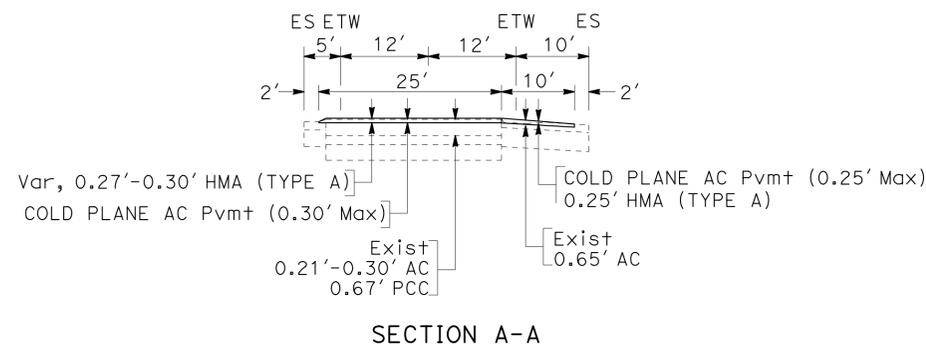
D.S. Lamb 1-22-13
 REGISTERED CIVIL ENGINEER DATE
 2-11-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DAVID S. LAMB
 No. C53386
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

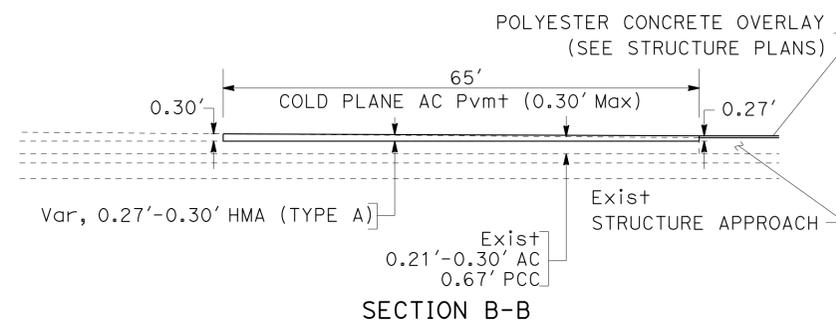
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



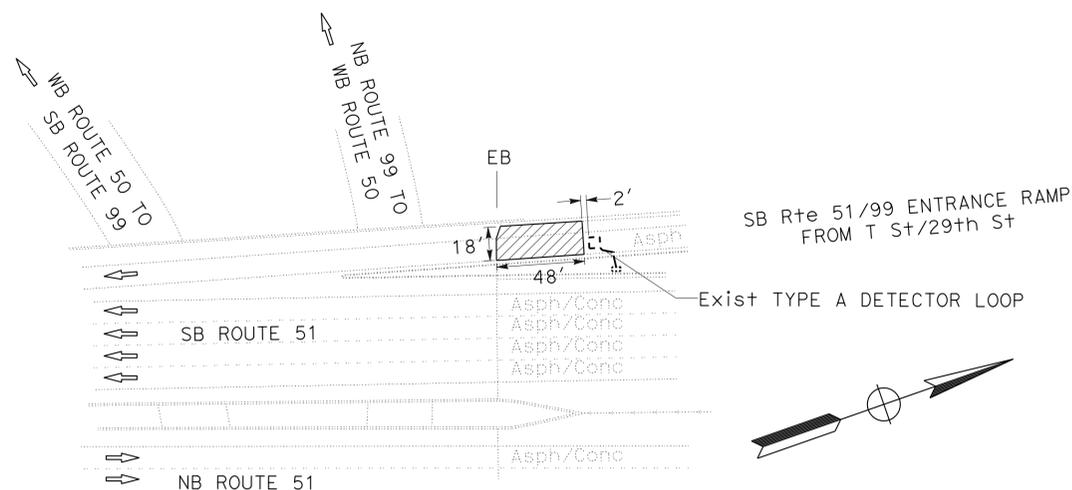
LOCATION 5
 PAVEMENT REPLACEMENT
 McCONNEL OH - Br No. 24-0073R
 Sac-99-PM 8.81



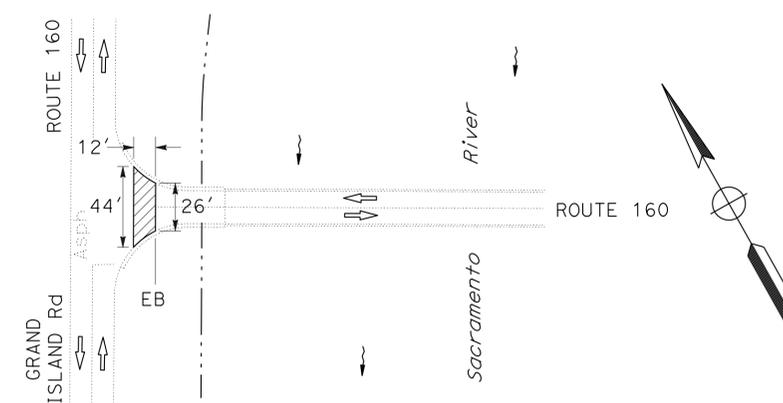
SECTION A-A



SECTION B-B



LOCATION 8
 PAVEMENT REPLACEMENT
 OAK PARK Sep - Br No. 24-0231L
 Sac-99-PM R24.27



LOCATION 9
 PAVEMENT REPLACEMENT
 SACRAMENTO RIVER (ISLETON) - Br No. 24-0051
 Sac-160-PM 5.86

CONSTRUCTION DETAILS
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: RONALD S. SYKES

REVISOR: NIK BEACH, DAVID S. LAMB

DESIGNER: DAVID S. LAMB

REVISIONS: REVISOR, DATE, REVISION

LAST REVISION DATE PLOTTED => 07-FEB-2013
 02-04-13 TIME PLOTTED => 11:20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: RONALD S. SYKES
 REVISIONS: NIK BEACH, DAVID S. LAMB, DAVID S. LAMB
 CHECKED BY: DAVID S. LAMB
 DESIGNED BY: DAVID S. LAMB
 REVISIONS: NIK BEACH, DAVID S. LAMB, DAVID S. LAMB
 DATE: 7/2/2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	4	34

1-22-13
 REGISTERED CIVIL ENGINEER DATE
 2-11-13
 PLANS APPROVAL DATE

DAVID S. LAMB
 No. C53386
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

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

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

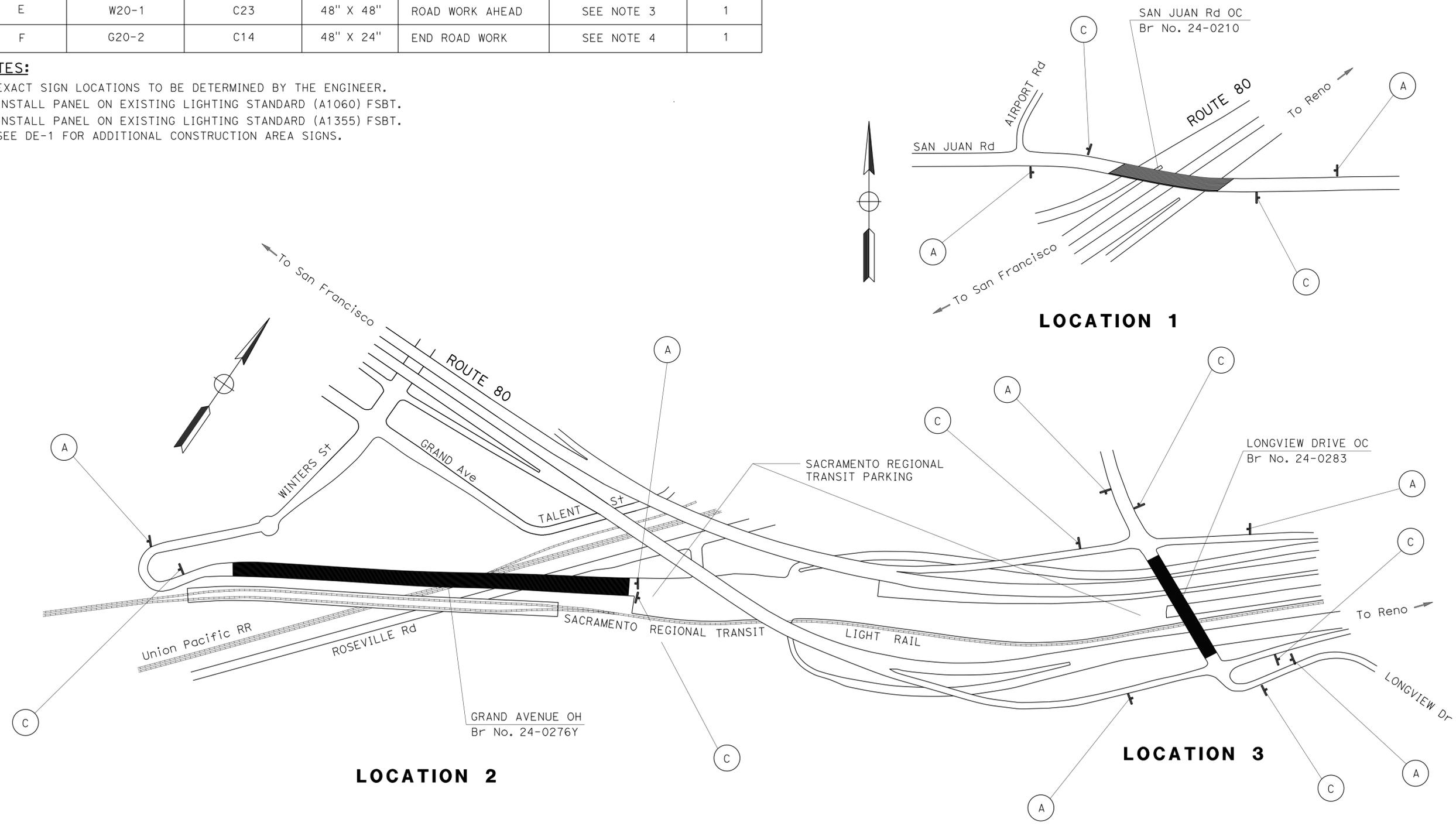
SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
A	W20-1	C23	48" X 48"	ROAD WORK AHEAD	1 - 6" X 6"	24
B	W20-1	C23	60" X 60"	ROAD WORK AHEAD	2 - 4" X 6"	5
C	G20-2	C14	36" X 18"	END ROAD WORK	1 - 4" X 4"	22
D	G20-2	C14	48" X 24"	END ROAD WORK	1 - 4" X 6"	2
E	W20-1	C23	48" X 48"	ROAD WORK AHEAD	SEE NOTE 3	1
F	G20-2	C14	48" X 24"	END ROAD WORK	SEE NOTE 4	1

LEGEND:

- (X) CONSTRUCTION AREA SIGN LETTER
- ↓ SIGN - SSBM

NOTES:

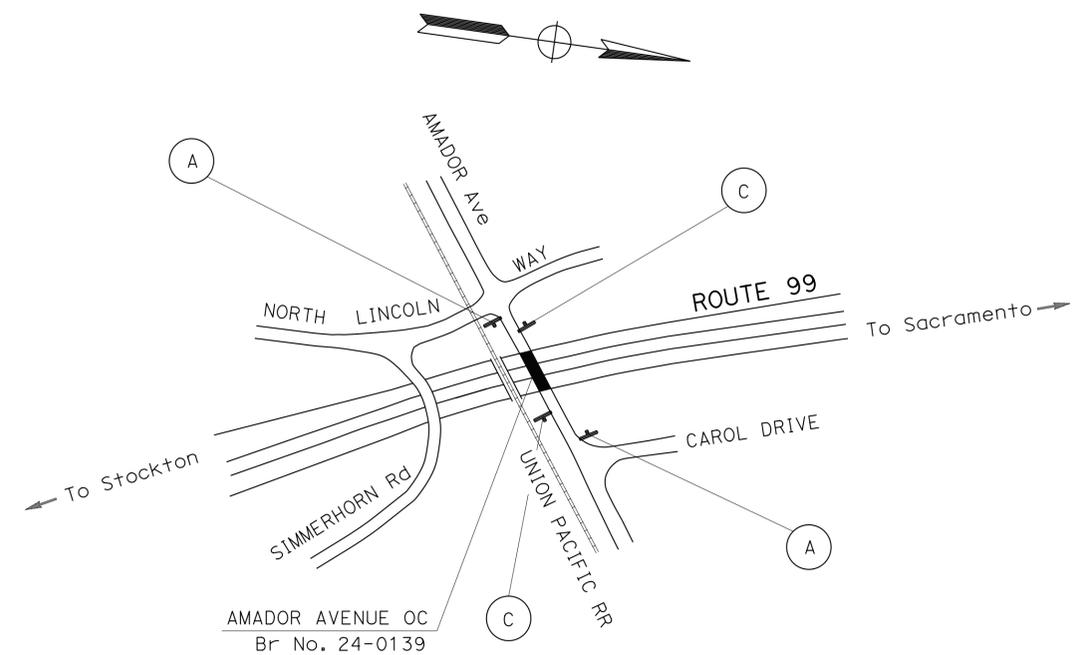
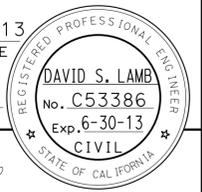
1. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
2. INSTALL PANEL ON EXISTING LIGHTING STANDARD (A1060) FSBT.
3. INSTALL PANEL ON EXISTING LIGHTING STANDARD (A1355) FSBT.
4. SEE DE-1 FOR ADDITIONAL CONSTRUCTION AREA SIGNS.



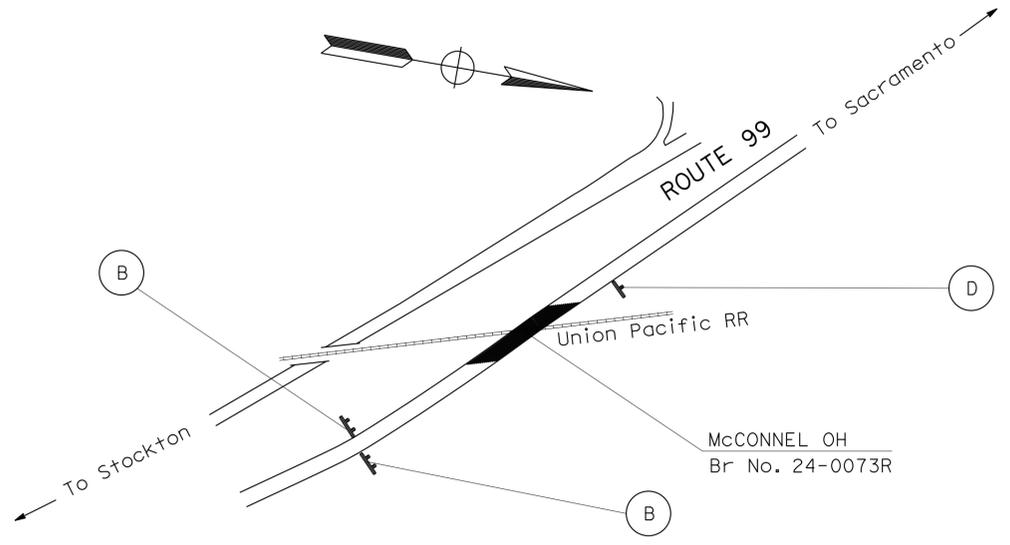
CONSTRUCTION AREA SIGNS
 NO SCALE
CS-1

APPROVED FOR SIGN WORK ONLY

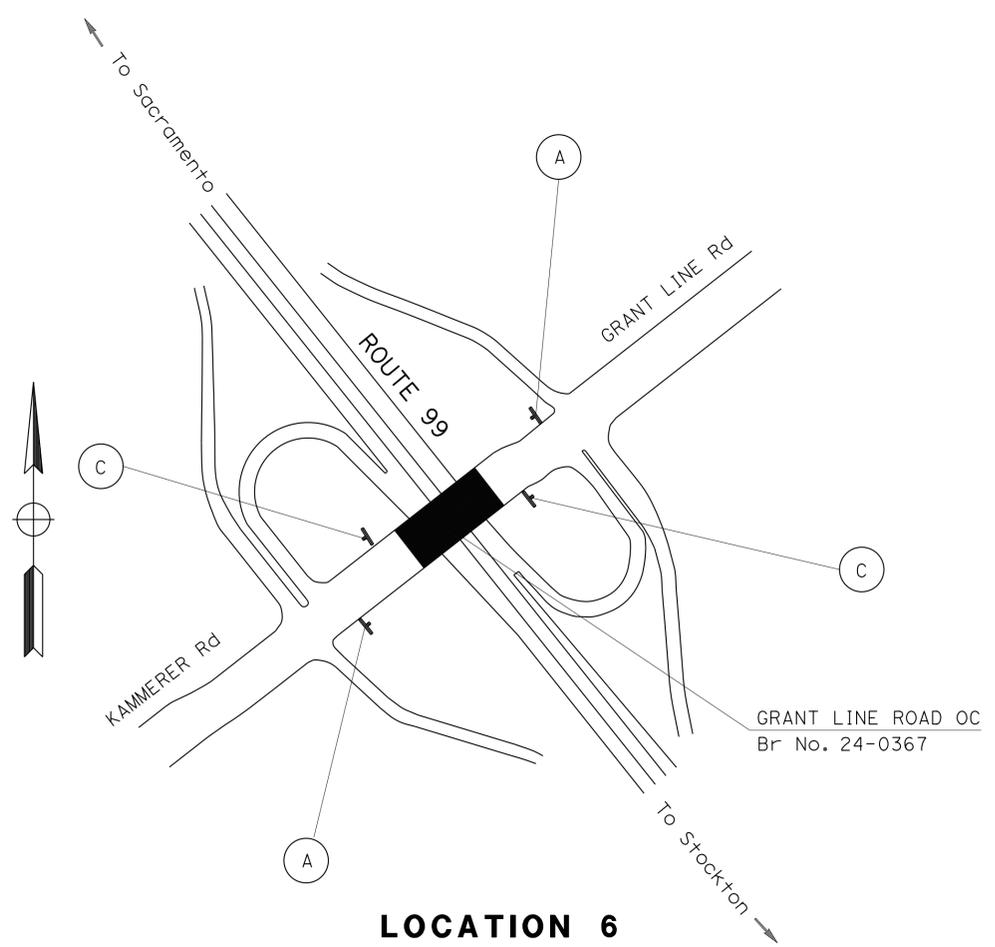
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	5	34
		<i>D.S. Lamb</i> 1-22-13 REGISTERED CIVIL ENGINEER DATE			
		2-11-13 PLANS APPROVAL DATE			
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



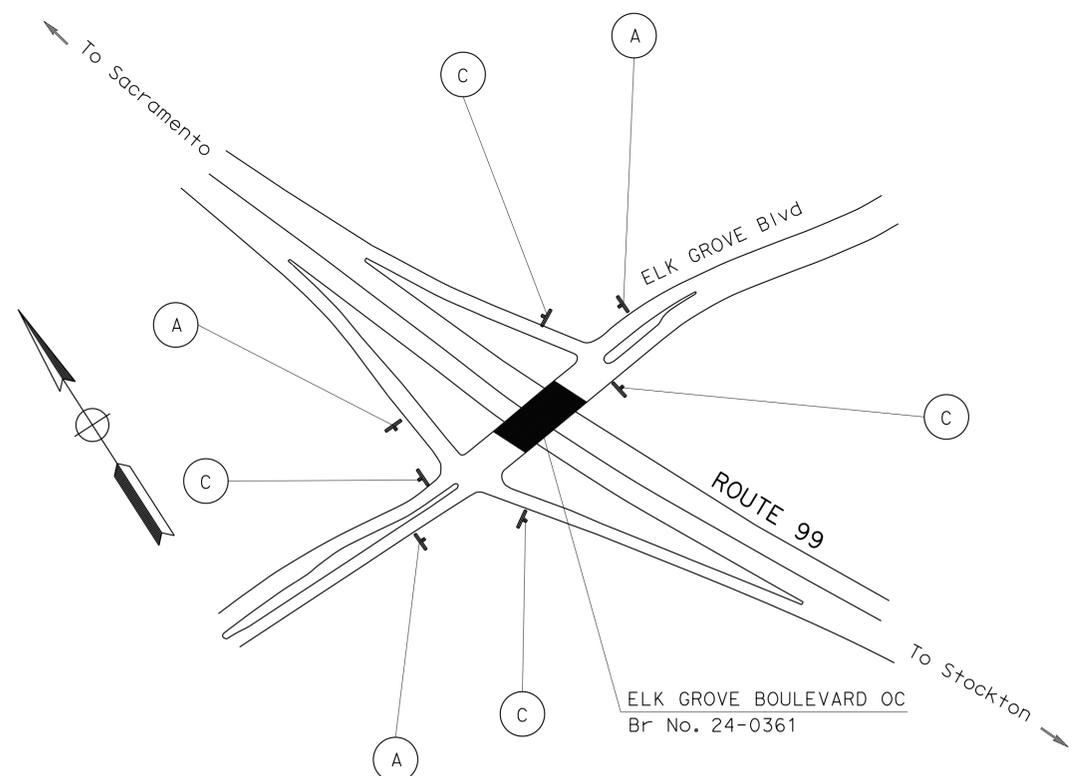
LOCATION 4



LOCATION 5



LOCATION 6



LOCATION 7

CONSTRUCTION AREA SIGNS

NO SCALE

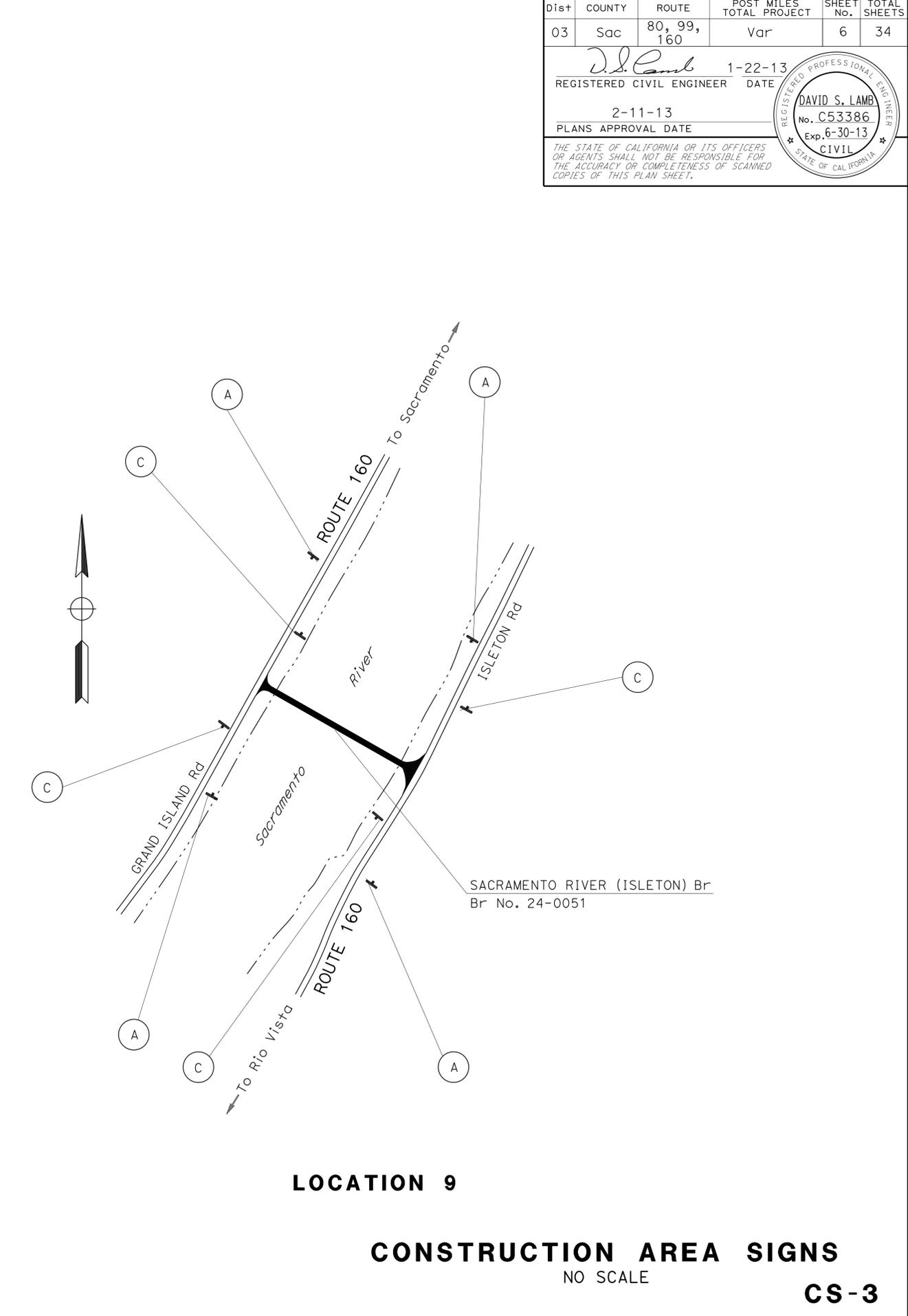
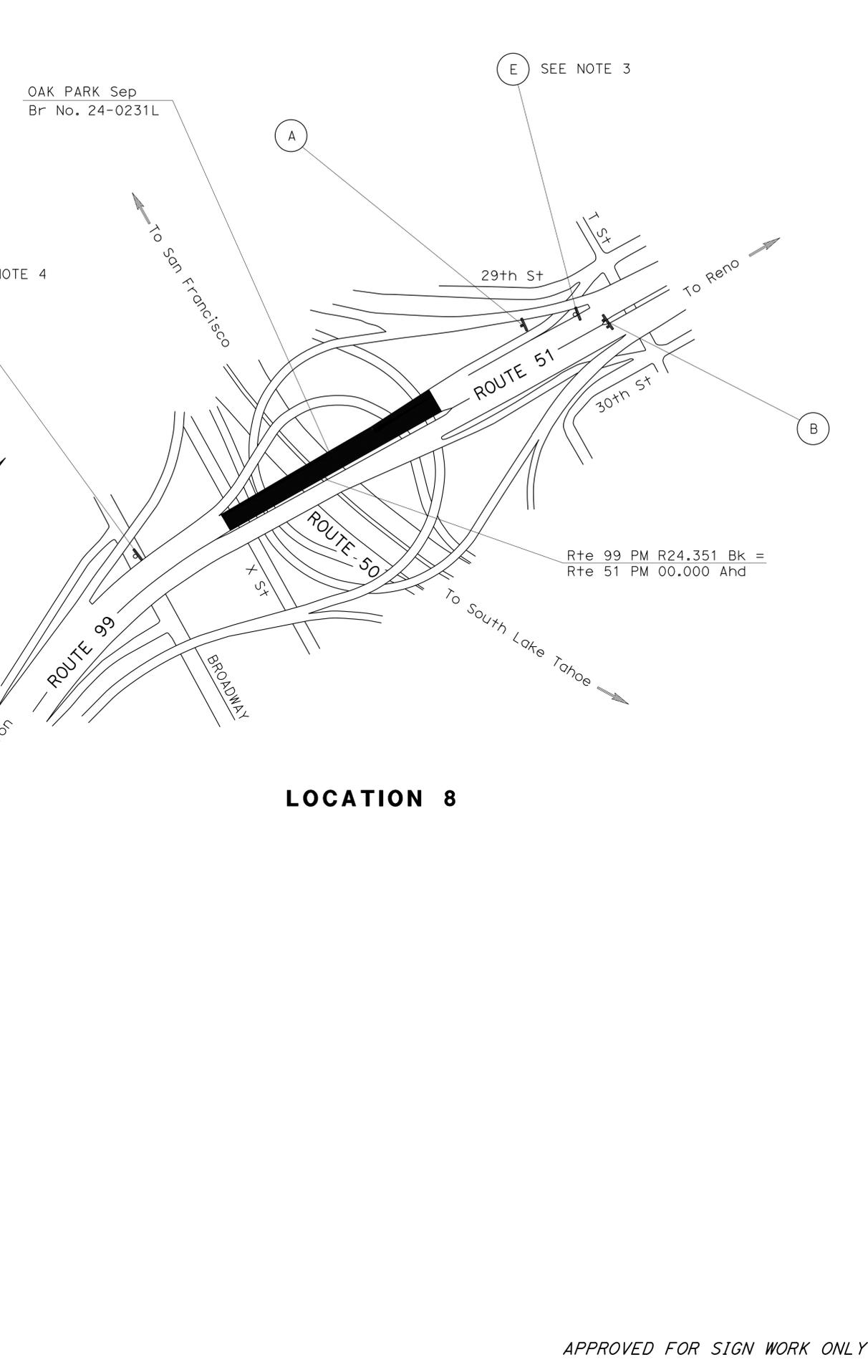
CS-2

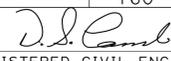
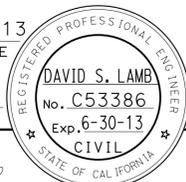
APPROVED FOR SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans MAINTENANCE DESIGN	RONALD S. SYKES	NIK BEACH	
		DAVID S. LAMB	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

FUNCTIONAL SUPERVISOR: RONALD S. SYKES
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 NIK BEACH: NIK BEACH
 DAVID S. LAMB
 REVISED BY: [blank]
 DATE REVISED: [blank]



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	6	34
 REGISTERED CIVIL ENGINEER			1-22-13	DATE	
2-11-13 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.					
					

CONSTRUCTION AREA SIGNS
 NO SCALE
CS-3

APPROVED FOR SIGN WORK ONLY

NOTES:

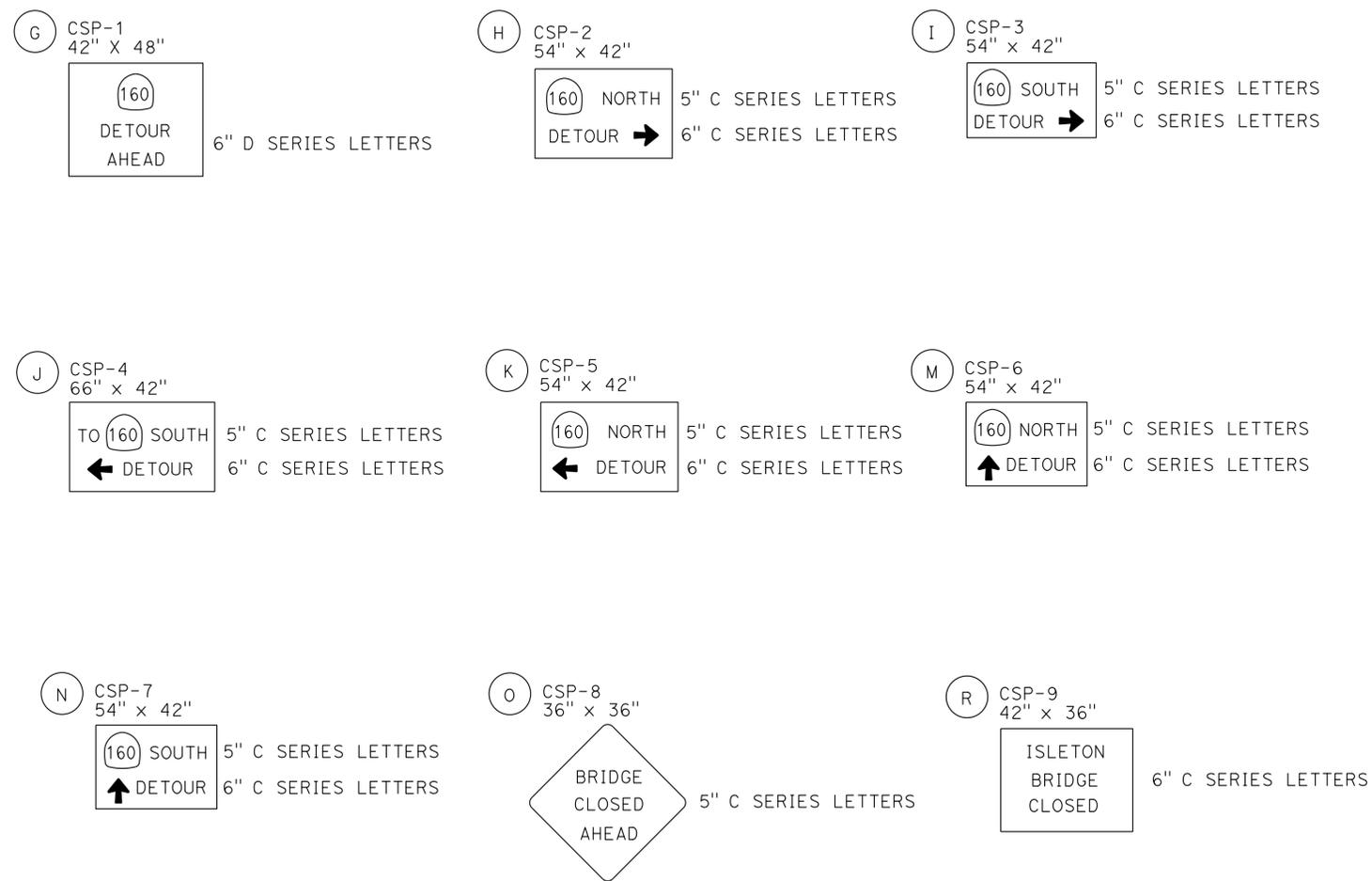
1. CSP - SPECIAL CONSTRUCTION SIGN.
2. ALL CSP SIGNS SHALL BE RETROREFLECTIVE ORANGE BACKGROUND WITH BLACK BORDERS AND BLACK LETTERS.
3. ALL ROUTE 160 SHIELDS SHALL BE WHITE ON GREEN AND SHALL BE 24" X 18".

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	8	34

D.S. Lamb 1-22-13
 REGISTERED CIVIL ENGINEER DATE

2-11-13
 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.



CONSTRUCTION AREA SIGNS
 NO SCALE
CS-5

APPROVED FOR SIGN WORK ONLY

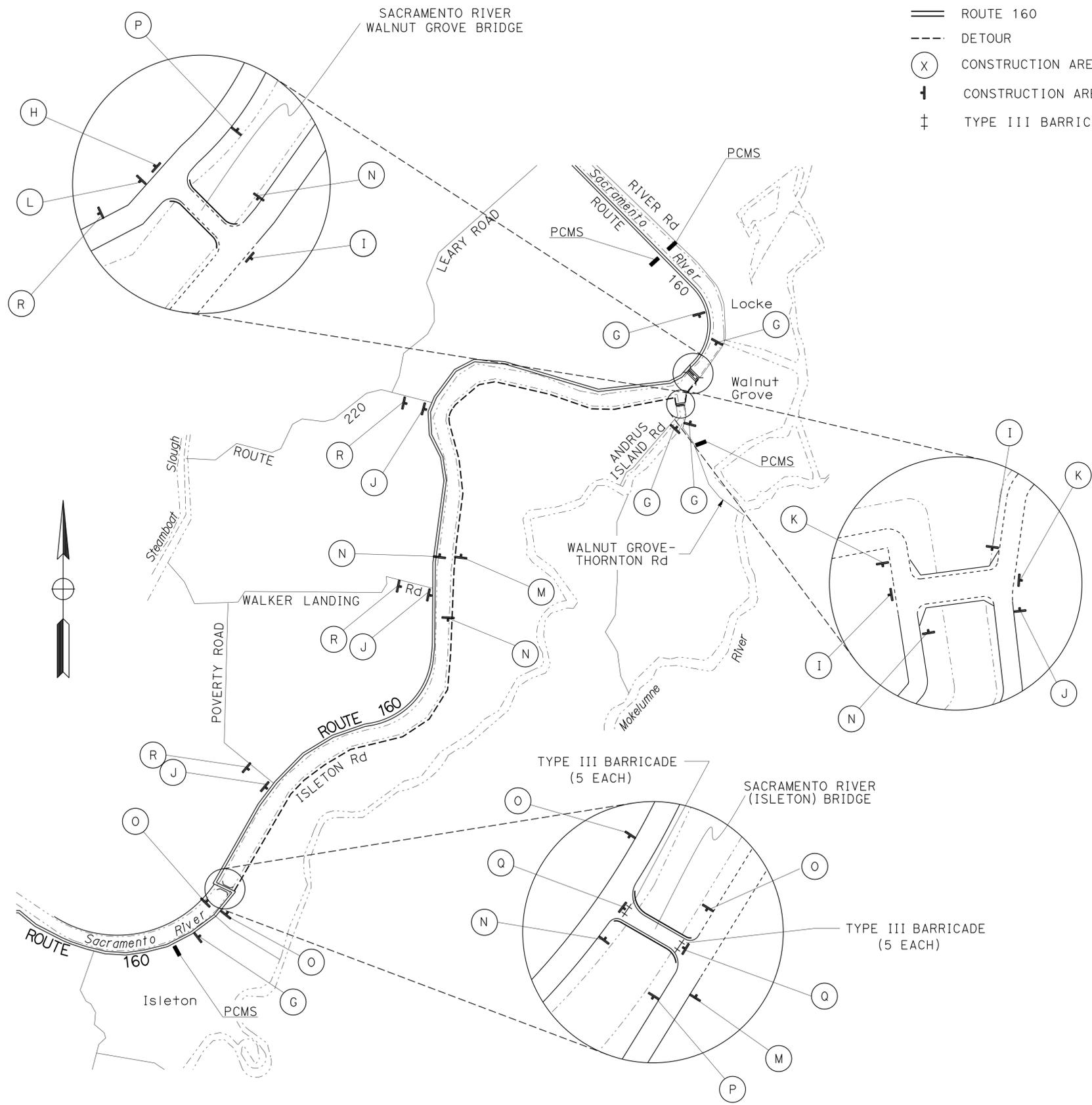
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	9	34

REGISTERED CIVIL ENGINEER: DAVID S. LAMB
 No. C53386
 Exp. 6-30-13
 CIVIL

DATE: 1-22-13
 DATE: 2-11-13
 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.

- LEGEND:**
- == ROUTE 160
 - DETOUR
 - (X) CONSTRUCTION AREA SIGN LETTER
 - ⊥ CONSTRUCTION AREA SIGN
 - ⊥ TYPE III BARRICADE



CONSTRUCTION AREA SIGNS

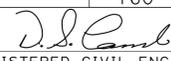
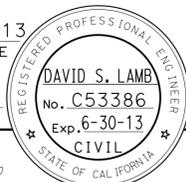
SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF SIGNS
	FEDERAL	CALIFORNIA			
(G)		CSP-1	42" X 48"	160 DETOUR AHEAD	5
(H)		CSP-2	54" X 42"	160 NORTH DETOUR →	1
(I)		CSP-3	54" X 42"	160 SOUTH DETOUR ←	3
(J)		CSP-4	66" X 42"	TO 160 SOUTH → DETOUR	4
(K)		CSP-5	54" X 42"	160 NORTH ← DETOUR	2
(L)	R11-3a		60" X 30"	BRIDGE CLOSED 8 MILES AHEAD LOCAL TRAFFIC ONLY ←DETOUR→	1
	M4-10L		48" X 18"		
(M)		CSP-6	54" X 42"	160 NORTH ⊥ DETOUR	2
(N)		CSP-7	54" X 42"	160 SOUTH ⊥ DETOUR	5
(O)		CSP-8	36" X 36"	BRIDGE CLOSED AHEAD	4
(P)	M4-8a	C7	24" X 18"	END DETOUR	2
(Q)	R11-2 W1-7	C2 W56	48" X 30" 36" X 18"	BRIDGE CLOSED ↔	2
(R)		CSP-9	42" X 36"	ISLETON BRIDGE CLOSED	4

- NOTES:**
- EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
 - THE W1-7 SIGN SHALL BE BLACK ON ORANGE.
 - THIS PLAN ACCURATE FOR DETOUR LAYOUT ONLY.
 - SEE CS-1 FOR ADDITIONAL CONSTRUCTION AREA SIGNS.

DETOUR PLAN
 SACRAMENTO RIVER (ISLETON) BRIDGE CLOSURE DETOUR
 NO SCALE

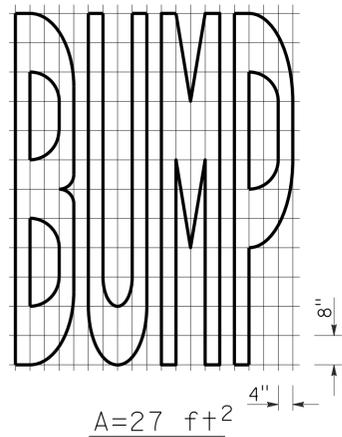
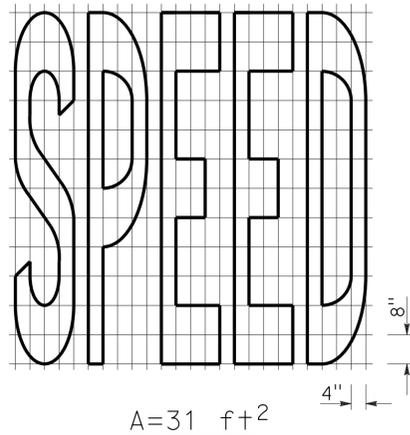
DE-1

LAST REVISION DATE PLOTTED => 07-FEB-2013 01-23-13 TIME PLOTTED => 11:20

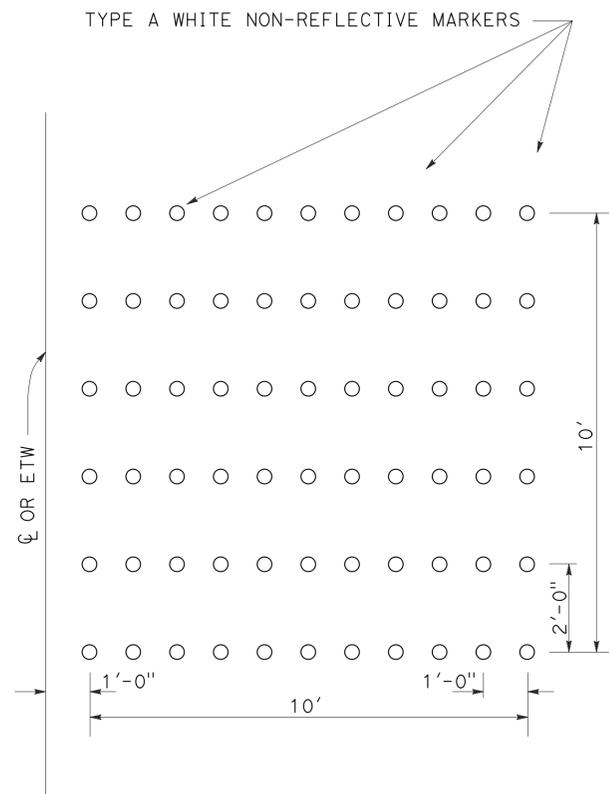
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	10	34
 REGISTERED CIVIL ENGINEER			DATE	1-22-13	
PLANS APPROVAL DATE			DATE	2-11-13	
					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

NOTE:

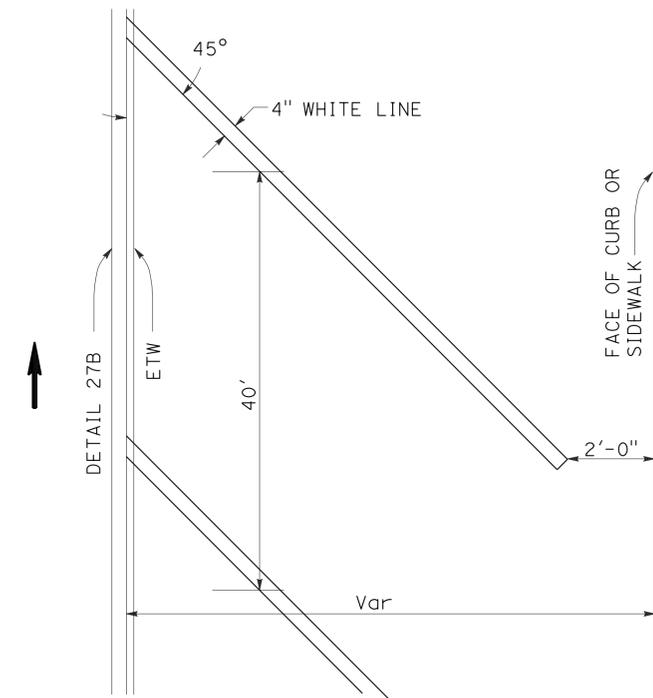
1. SEE STANDARD PLANS A20A AND A24D FOR ADDITIONAL DETAILS, NOTES AND LEGEND.



PAVEMENT MARKINGS WORDS
(GRAND Ave OH)



RAISED RUMBLE STRIP
(GRAND Ave OH - 4 LOCATIONS)



SHOULDER DIAGONALS
(SAN JUAN Rd OC)

PAVEMENT DELINEATION DETAILS
NO SCALE
PDD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	MAINTENANCE DESIGN
	
FUNCTIONAL SUPERVISOR	RONALD S. SYKES
CALCULATED/DESIGNED BY	CHECKED BY
NIK BEACH	DAVID S. LAMB
REVISOR BY	DATE REVISED

TRAFFIC LINES AND PAVEMENT MARKERS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	11	34

D.S. Lamb 1-22-13
 REGISTERED CIVIL ENGINEER DATE

2-11-13
 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.

LOCATION/DESCRIPTION					4" THERMOPLASTIC TRAFFIC STRIPE	6" THERMOPLASTIC TRAFFIC STRIPE	8" THERMOPLASTIC TRAFFIC STRIPE	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)	(N) TRAFFIC LINES (PAVEMENT MARKERS)	PAVEMENT MARKER ** (NON-REFLECTIVE)	PAVEMENT MARKER (RETROREFLECTIVE)						
Loc No.	Rte	PM	Br No.	STRUCTURE NAME	DETAIL 22	DETAIL 25	DETAIL 25A	DETAIL 27B	DETAIL 39	DETAIL 36A	DETAIL 38	DETAIL 12	DETAIL 9	DETAIL 26	TYPE A	TYPE D	TYPE G	TYPE H
					LF										EA			
1	80	M2.87	24-0210	SAN JUAN ROAD OC	1234			617	1234							54		
2	80	M8.59	24-0276Y	GRAND AVENUE OH	3694			3694							264	156		
3	80	M9.40	24-0283	LONGVIEW DRIVE OC	1094						130		1019			24	30	
4	99	1.62	24-0139	AMADOR AVENUE OC	280											12		
5	99	8.81	24-0073R	McCONNELL OH		456		456				456					11	11
6	99	10.07	24-0367	GRANT LINE ROAD OC					535		267		1068	534			37	10
7	99	12.76	24-0361	ELK GROVE Blvd OC	60				515		425		1033	590		4	51	12
8	99	R24.27	24-0231L	OAK PARK SEPARATION		924	130	1238		185		2772	145				72	26
9	160	5.86	24-0051	SACRAMENTO RIVER (ISLETON)	888											40		
10	160	19.76	24-0052	STEAMBOAT SLOUGH	264											14		
11	160	R44.47	24-0001L	AMERICAN RIVER		797		840				1594					35	18
12	160	R45.02	24-0111L	NORTH SACRAMENTO UC		300		300				300					7	7
13	160	46.25	24-0118	SWANSTON OC	366											18		
SUBTOTAL					7880	2477	130	7145	2284	185	822	5122	3265	1124	264	322	243	84
TOTAL					17,632				2284	1007		5122	3265	1124	264	649		

(N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.
 ** SEE SHEET PDD-1 FOR RAISED RUMBLE STRIP DETAIL.

PAVEMENT MARKING

LOCATION/DESCRIPTION					THERMOPLASTIC PAVEMENT MARKING										NOTES	
Loc No.	Rte	PM	Br No.	STRUCTURE NAME	"SPEED"	"BUMP"	"AHEAD"	"FWY"	"ONLY"	2'-0" WHITE LINE	1'-0" WHITE LINE	4" WHITE LINE	TYPE I 24'-0" ARROW	TYPE III ARROW		DIAMOND SYMBOL
					SQFT											
1	80	M2.87	24-0210	SAN JUAN ROAD OC								120				SHOULDER DIAGONALS
2	80	M8.59	24-0276Y	GRAND AVENUE OH	31	27	31									1- "SPEED", 1-"BUMP", 1-"AHEAD,
3	80	M9.40	24-0283	LONGVIEW DRIVE OC							62		31	84		2- TYPE III (L) ARROW, 1-TYPE I 24'-0" ARROW, 62' LIMIT LINE
4	99	1.62	24-0139	AMADOR AVENUE OC						24						12' RAILROAD CROSSING SYMBOL TRANSVERSE LINE
6	99	10.07	24-0367	GRANT LINE ROAD OC				16	22					42		1 - "FWY", 1 - "ONLY", 1 - Type III (R) ARROW (REPLACES TYPE IV ARROW)
7	99	12.76	24-0361	ELK GROVE Blvd OC							62			168		4 - Type III (L) Arrow, 62' LL
8	99	R24.27	24-0231L	OAK PARK SEPARATION											22	2 - DIAMOND SYMBOL
9	160	5.86	24-0051	SACRAMENTO RIVER (ISLETON)							19					19' LL
10	160	19.76	24-0052	STEAMBOAT SLOUGH							19					19' LL
SUBTOTAL					31	27	31	16	22	24	162	120	31	294	22	
TOTAL					780											

PAVEMENT DELINEATION QUANTITIES
PDQ-1

PAVEMENT REMOVAL AND PAVING QUANTITIES

Loc No.	Rte	PM	Br No.	STRUCTURE NAME	COLD PLANE ASPHALT CONCRETE PAVEMENT		HOT MIX ASPHALT (TYPE A)	TACK COAT
					(0.30' Max)	(0.25' Max)		
					SQYD	TON		
1	80	M2.87	24-0210	SAN JUAN ROAD OC		409	69	0.19
3	80	M9.40	24-0283	LONGVIEW DRIVE OC		505	85	0.23
4	99	1.62	24-0139	AMADOR AVENUE OC		55	9	0.03
5	99	8.81	24-0073R	McCONNELL OH	181	131	57	0.15
8	99	R24.27	24-0231L	OAK PARK SEPARATION		96	16	0.05
9	160	5.86	24-0051	SACRAMENTO RIVER (ISLETON)		45	8	0.02
SUBTOTAL					181	1,241	244	0.67
TOTAL						1,422	244	0.67

TRAFFIC LINE REMOVAL*

Loc No.	Rte	PM	Br No.	STRUCTURE NAME	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)		REMOVE THERMOPLASTIC TRAFFIC STRIPE					
					DETAIL 22	DETAIL 25	DETAIL 27B	DETAIL 39	DETAIL 38	DETAIL 12	DETAIL 9	
					LF							
2	80	M8.59	24-0276Y	GRAND AVENUE OH	3694							
3	80	M9.40	24-0283	LONGVIEW DRIVE OC	982				110			270
4	99	1.62	24-0139	AMADOR AVENUE OC	240							
6	99	10.07	24-0367	GRANT LINE ROAD OC				801	534			312
7	99	12.76	24-0361	ELK GROVE Blvd OC				651	694			253
9	160	5.86	24-0051	SACRAMENTO RIVER (ISLETON)	244							
10	160	19.76	24-0052	STEAMBOAT SLOUGH	244							
12	160	R45.02	24-0111L	NORTH SACRAMENTO UC		300	300				75	
13	160	46.25	24-0118	SWANSTON OC	354							
SUBTOTAL					5758	300	300	1452	1338	75		835
TOTAL						6058			4000			

* REMOVE TRAFFIC LINES FROM STRUCTURE DECK ONLY.

PAVEMENT MARKING REMOVAL*

Loc No.	Rte	PM	Br No.	STRUCTURE NAME	REMOVE THERMOPLASTIC PAVEMENT MARKING						NOTES
					"SPEED"	"BUMP"	"AHEAD"	"ONLY"	TYPE IV ARROW	TYPE III ARROW	
					SQFT						
2	80	M8.59	24-0276Y	GRAND AVENUE OH	31	27	31				1- "SPEED", 1-"BUMP", 1-"AHEAD"
3	80	M9.40	24-0283	LONGVIEW DRIVE OC						7	PARTIAL TYPE III (L) ARROW
6	99	10.07	24-0367	GRANT LINE ROAD OC				22	15		1 - "ONLY", 1 - Type IV (R) ARROW (REPLACE WITH TYPE III (R) ARROW)
7	99	12.76	24-0361	ELK GROVE Blvd OC						84	4 - Type III (L) Arrow
SUBTOTAL					31	27	31	22	15	91	
TOTAL								217			

* REMOVE PAVEMENT MARKING FROM STRUCTURE DECK ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	12	34

D.S. Lamb 2-7-13
 REGISTERED CIVIL ENGINEER DATE

2-11-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
DAVID S. LAMB
 No. C53386
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: RONALD S. SYKES
 CALCULATED/DESIGNED BY: NIK BEACH
 CHECKED BY: DAVID S. LAMB
 REVISOR: NIK BEACH
 DATE REVISOR: DAVID S. LAMB

SUMMARY OF QUANTITIES
Q-1



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80,99, 160	Var	13	34
		<i>Jaskaran Bopara</i> 2-7-13 REGISTERED CIVIL ENGINEER DATE			
		2-11-13 PLANS APPROVAL DATE			
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

NOTES:

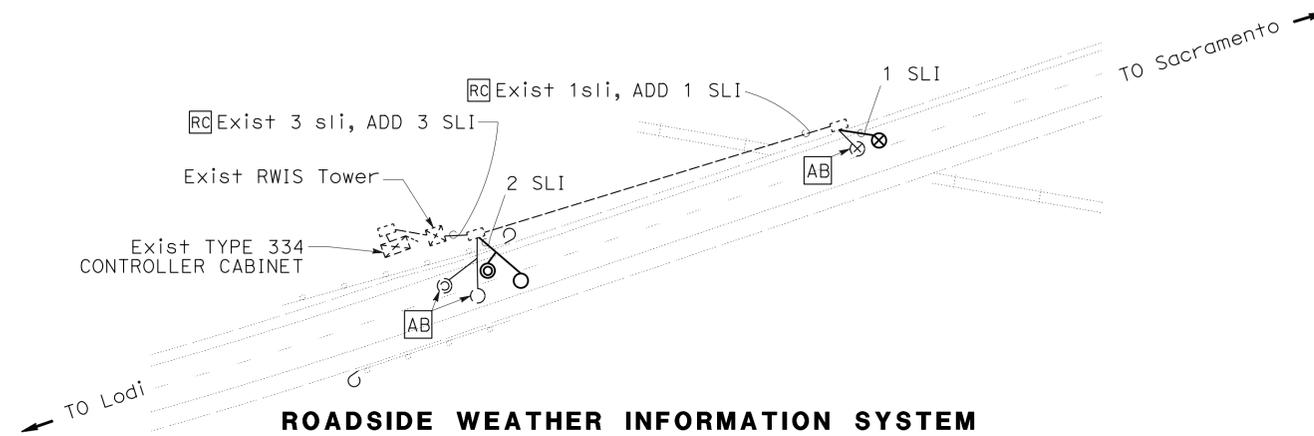
1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE.

ABBREVIATIONS:

RWIS ROADSIDE WEATHER INFORMATION SYSTEM
 SLI SENSOR LEAD IN CABLE

SYMBOLS:

- ⊠ Exist RWIS TOWER
- ⊙ Exist SUBSURFACE TEMPERATURE PROBE SENSOR
- Exist SURFACE PAVEMENT SENSOR
- ⊗ Exist BRIDGE SENSOR
- ⊙ SUBSURFACE TEMPERATURE PROBE SENSOR
- SURFACE PAVEMENT SENSOR
- ⊗ BRIDGE SENSOR



**ROADSIDE WEATHER INFORMATION SYSTEM
 MCCONNELL OH
 (Sac 99, PM 8.81)
 (LOCATION 5)**

DETAIL

**MODIFY ROADSIDE WEATHER
 INFORMATION SYSTEM
 (LOCATION 5)
 NO SCALE**

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR
Caltrans	NELSON LEE	CHECKED BY	NATE DEKENS
ELECTRICAL DESIGN			JASKARAN BOPARA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **ELECTRICAL DESIGN**

BORDER LAST REVISED 7/2/2010

USERNAME => s130875
 DGN FILE => 0312000009uad002.dgn

RELATIVE BORDER SCALE IS IN INCHES



UNIT 0403

PROJECT NUMBER & PHASE 03120000091

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80,99,160	Var	14	34

Jaskaran Boparai 2-7-13
 REGISTERED ELECTRICAL ENGINEER DATE
 2-11-13
 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.

QUANTITIES

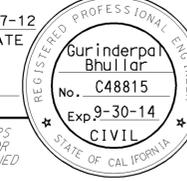
SHEET No.	(N)	(N)	(N)	(N)
	SUBSURFACE TEMPERATURE PROBE	SURFACE PAVMENT SENSOR	BRIDGE SENSOR	SLI CABLE
E-1	EA 1	EA 1	EA 1	F+ 495

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

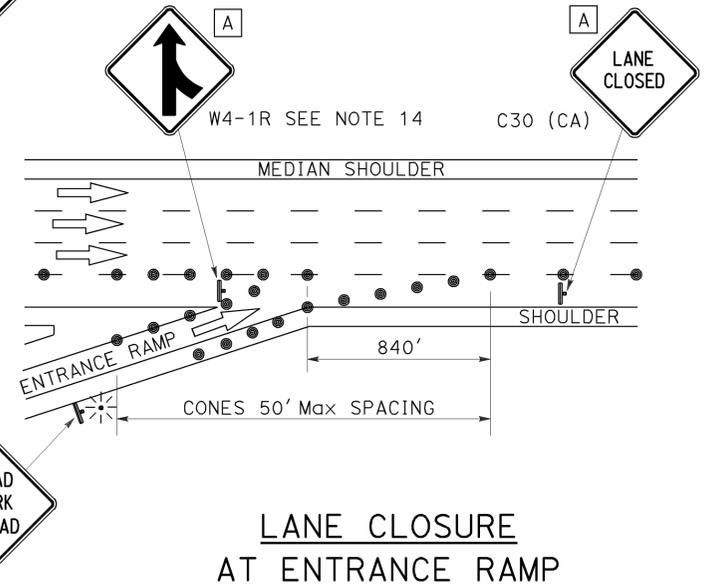
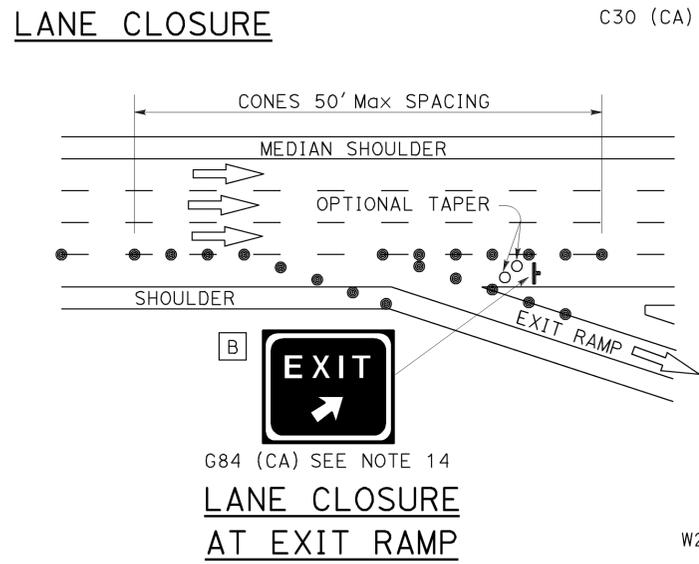
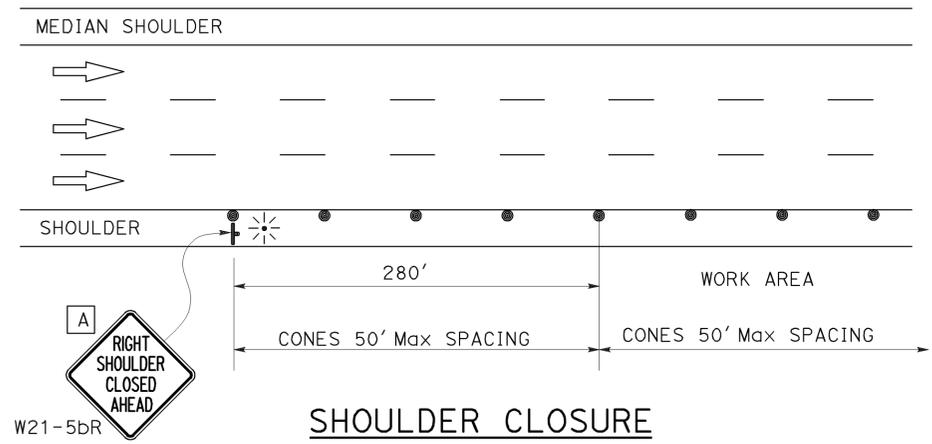
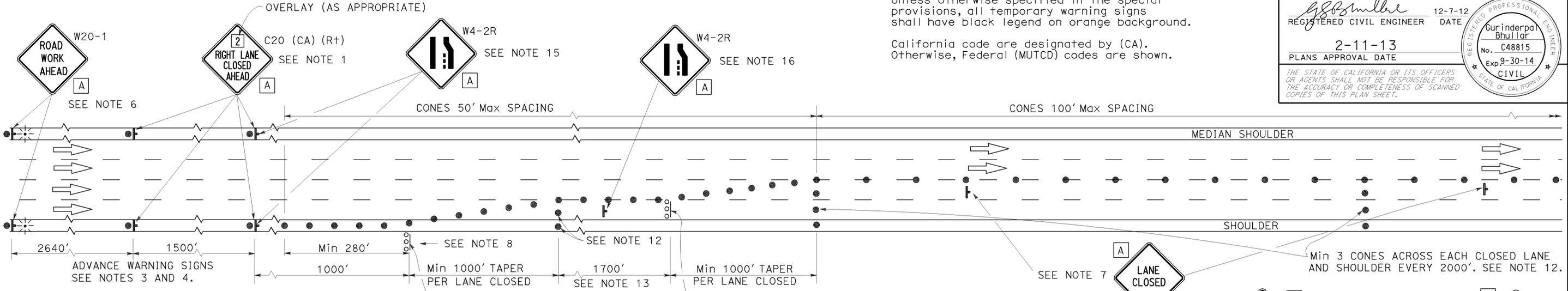
SUMMARY OF QUANTITIES
 (LOCATION 5)

E-2

LAST REVISION | DATE PLOTTED => 07-FEB-2013
 01-28-13 | TIME PLOTTED => 11:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80,99,160	Var	15	34
			12-7-12 DATE 2-11-13 PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

NOTES:
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.
 California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



- NOTES:**
- Median lane closures shall conform to the details for outside lane closures except that C20 (CA) (Lt) 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 C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.
 - If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____ MILES", use a C20 (CA) sign for the first advance warning sign.
 - Place a C30 (CA) sign every 2000' throughout length of lane closure.
 - One flashing arrow sign for each lane closed. The first flashing arrow sign shall be Type I. All others may be either Type I or Type II.
 - 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 1700' tangent shown along lane lines shall be used between the 1000' tapers required for each closed traffic lane.
 - Unless otherwise specified in the special provisions, the G84 (CA) and W4-1 signs shall be used as shown.
 - When specified in the special provisions, a W4-2 "LANE ENDS" symbol sign is to be used in place of the C20 (CA) "RIGHT LANE CLOSED AHEAD" sign.
 - The W4-2 "LANE ENDS" symbol sign shown at this location is to be used where the W4-2 sign is used as advance warning as described in Note 15.

SIGN PANEL SIZE (Min)

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

LEGEND

●	TRAFFIC CONE
○	TRAFFIC CONE (OPTIONAL TAPER)
↑	TEMPORARY SIGN
⚡	FLASHING ARROW SIGN (FAS)
⊞	FAS SUPPORT OR TRAILER
⚡	PORTABLE FLASHING BEACON

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 FREEWAYS AND EXPRESSWAYS**

NO SCALE

TCS-1

REVISOR: _____ DATE: _____
 CALCULATED/DESIGNED BY: _____ CHECKED BY: _____
 FUNCTIONAL SUPERVISOR: _____

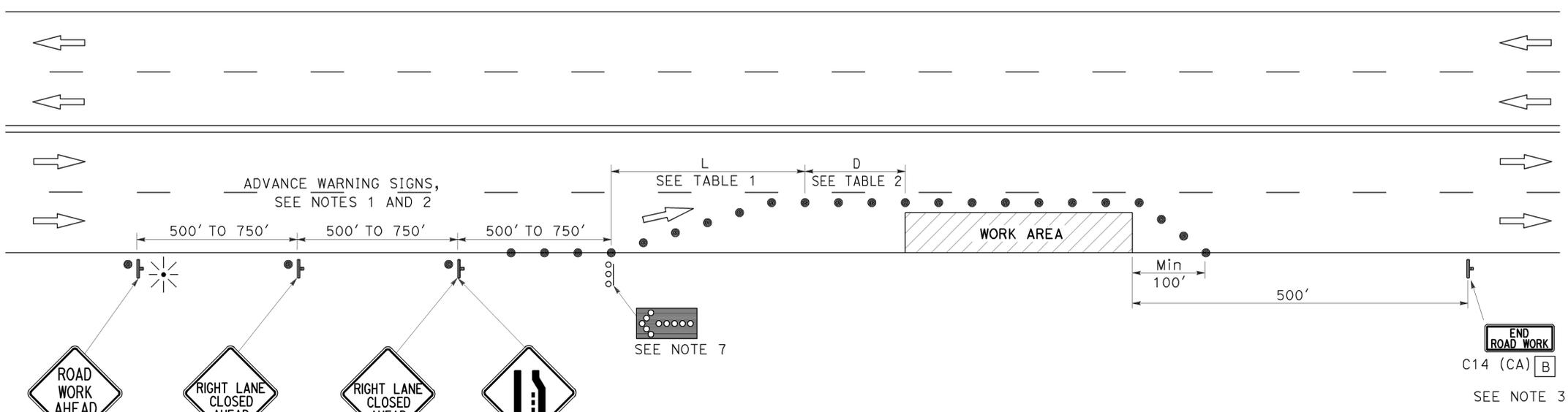
LAST REVISION: DATE PLOTTED => 10-DEC-2012
 00-00-00 TIME PLOTTED => 09:45

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80,99,160	Var	17	34

REGISTERED CIVIL ENGINEER
 12-7-12 DATE
 2-11-13 PLANS APPROVAL DATE
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

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TYPICAL LANE CLOSURE



NOTES:

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

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

TABLE 1

APPROACH SPEED	* MINIMUM L	** Max SPACING OF CONES ALONG TAPER
mph	ft	ft
20 AND BELOW	80	20
25	125	25
30	180	30
35	245	35
40	320	40
45	540	45
50	600	50
Over 50	SEE NOTE 9	
* USE L FOR LANE WIDTHS LESS THAN OR EQUAL TO 12'.		
** SEE NOTE 8.		

TABLE 2

APPROACH SPEED	MINIMUM D	DOWNGRADE MINIMUM D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 AND BELOW	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
OVER 50	SEE NOTE 9			
* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.				

LEGEND

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

SIGN PANEL SIZE (Min)

- A 36" x 36"
- B 36" x 18"

NOTES:

- Where approach speeds are low, advance warning signs may be placed at 300' spacing and placed closer in urban areas.
- 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.
- A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT" MILES", use a C20 (CA) sign for the first advance warning sign.
- 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.
- Flashing arrow sign shall be either Type I or Type II.
- The maximum spacing between cones along a tangent shall be 50' and along a taper shall be approximately as shown in Table 1.
- 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.
- When specified in the special provisions, a W4-2 "LANE ENDS" symbol sign is to be used in place of the C20 (CA) "RIGHT LANE CLOSED AHEAD" sign.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

TCS-3

REVISED BY
DATE

CALCULATED/DESIGNED BY
CHECKED BY

FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Et Caltrans

TYPICAL RAMP CLOSURES

SIGN PANEL SIZE (Min)

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80,99,160	Var	19	34

REGISTERED CIVIL ENGINEER
 12-7-12 DATE
 2-11-13
 PLANS APPROVAL DATE
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

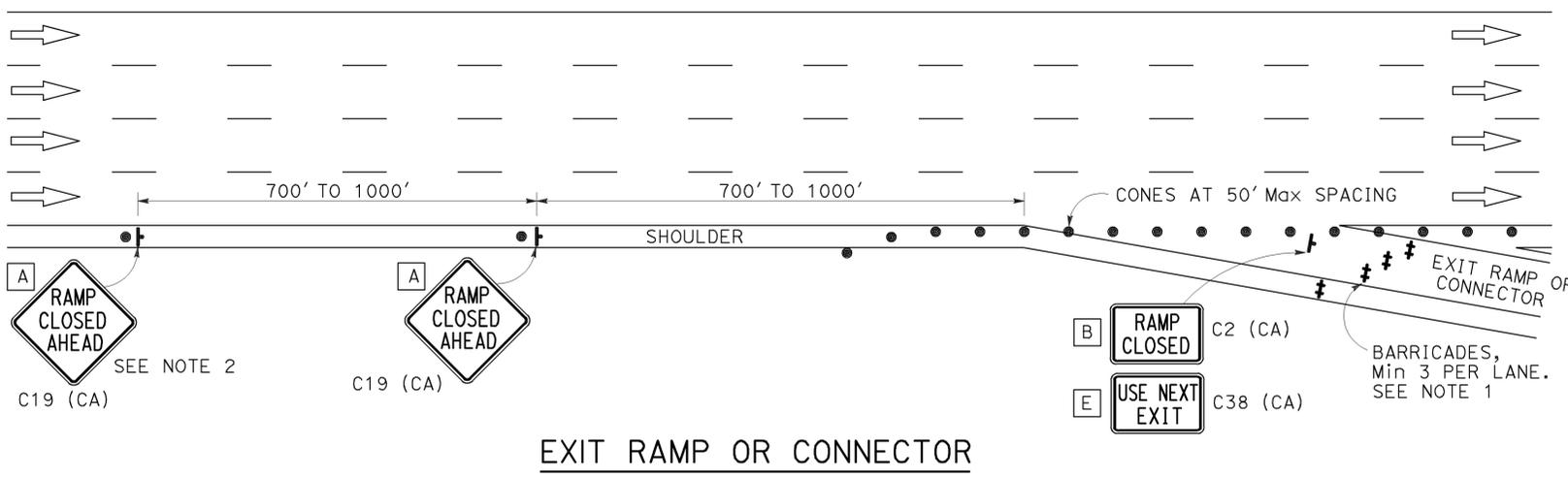
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND

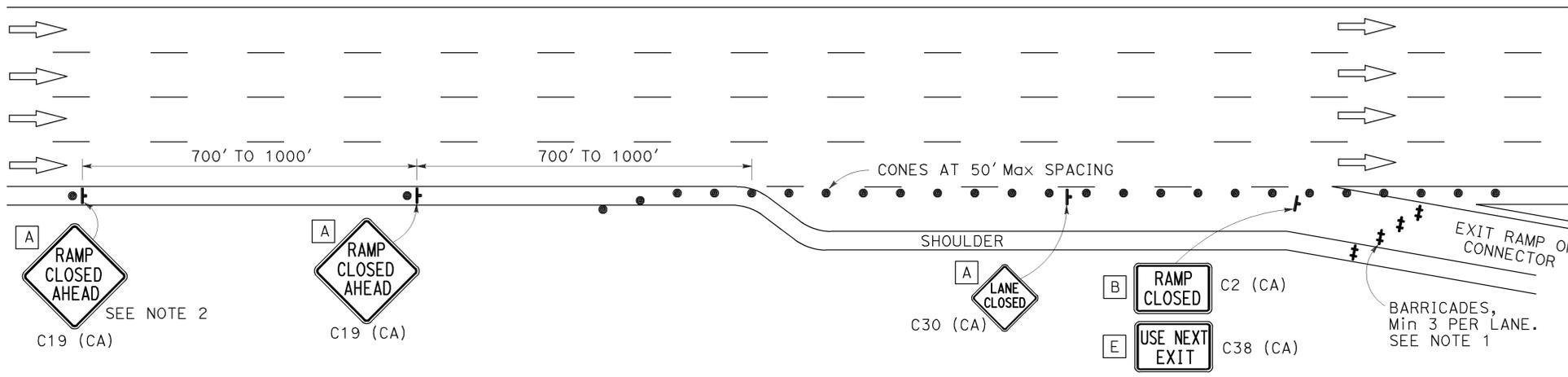
- TRAFFIC CONE
- † TEMPORARY SIGN
- ‡ BARRICADES

NOTES:

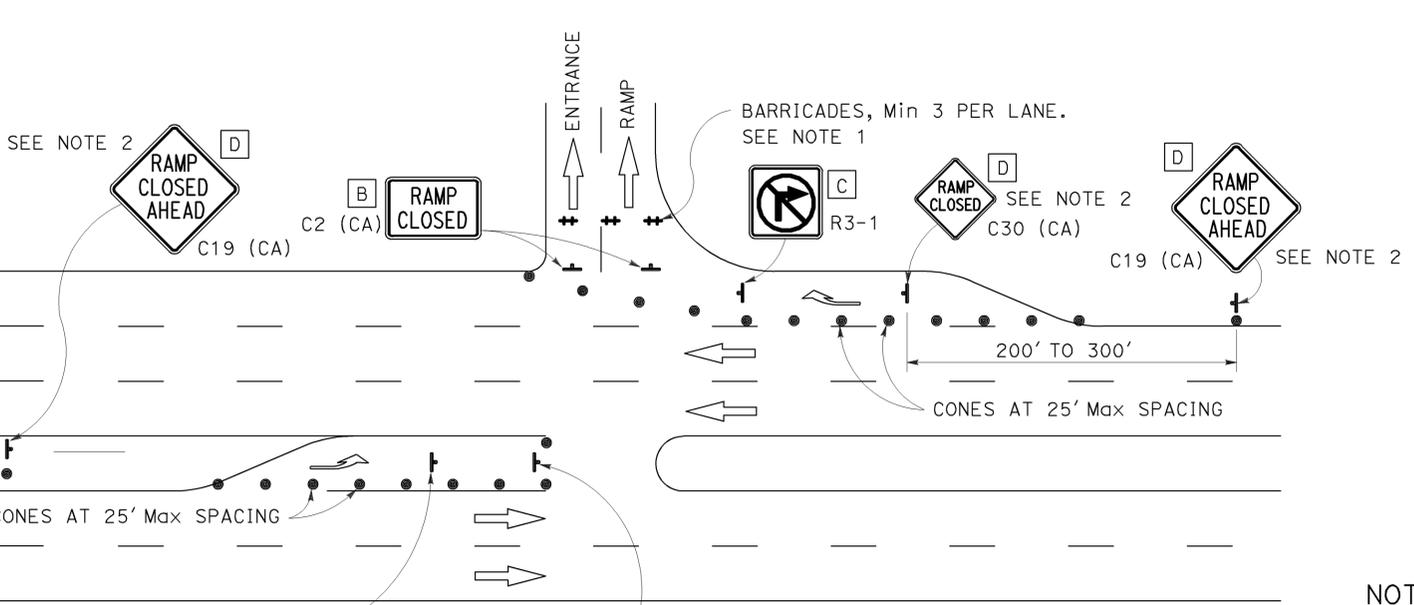
- Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
- In addition to placing the C19 (CA) "RAMP CLOSED AHEAD" and C30 (CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed 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.
- 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.
- All cones used for ramp 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 ramp closures only.
- At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
- The existing "EXIT" sign in the gore area shall be covered during ramp closures.



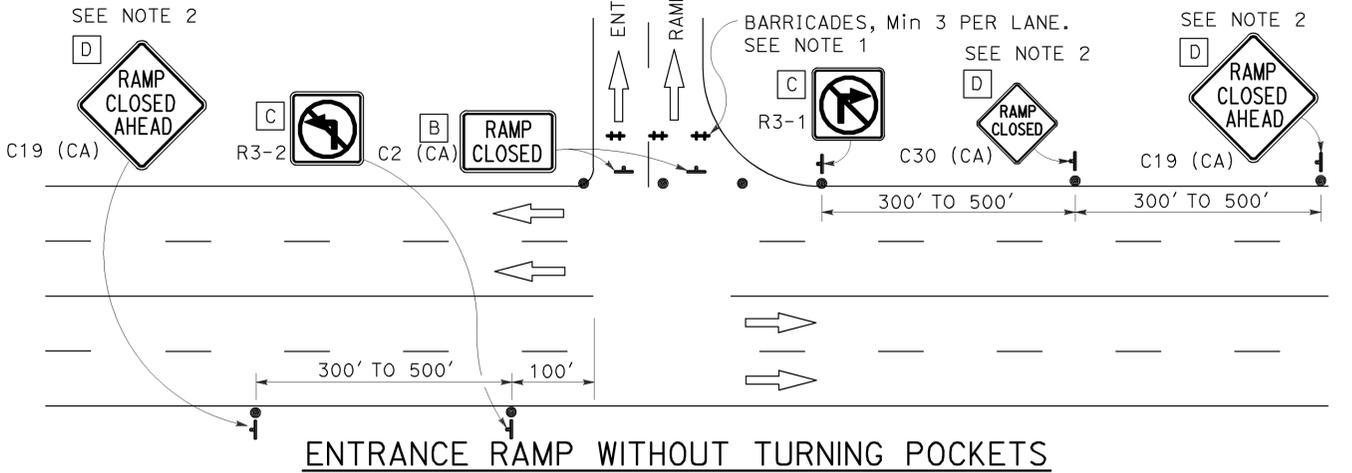
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

NOTES:

- Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.
- California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR RAMP CLOSURE

NO SCALE

TCS - 5

REVISOR BY
DATE

CALCULATED BY
DESIGNED BY
CHECKED BY

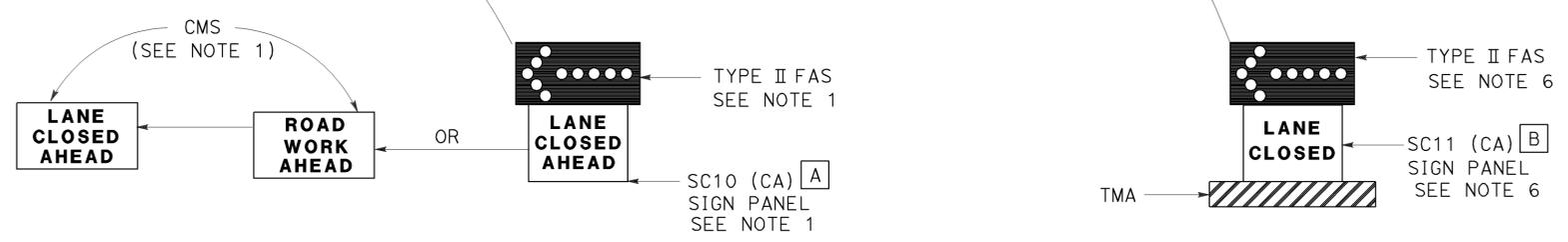
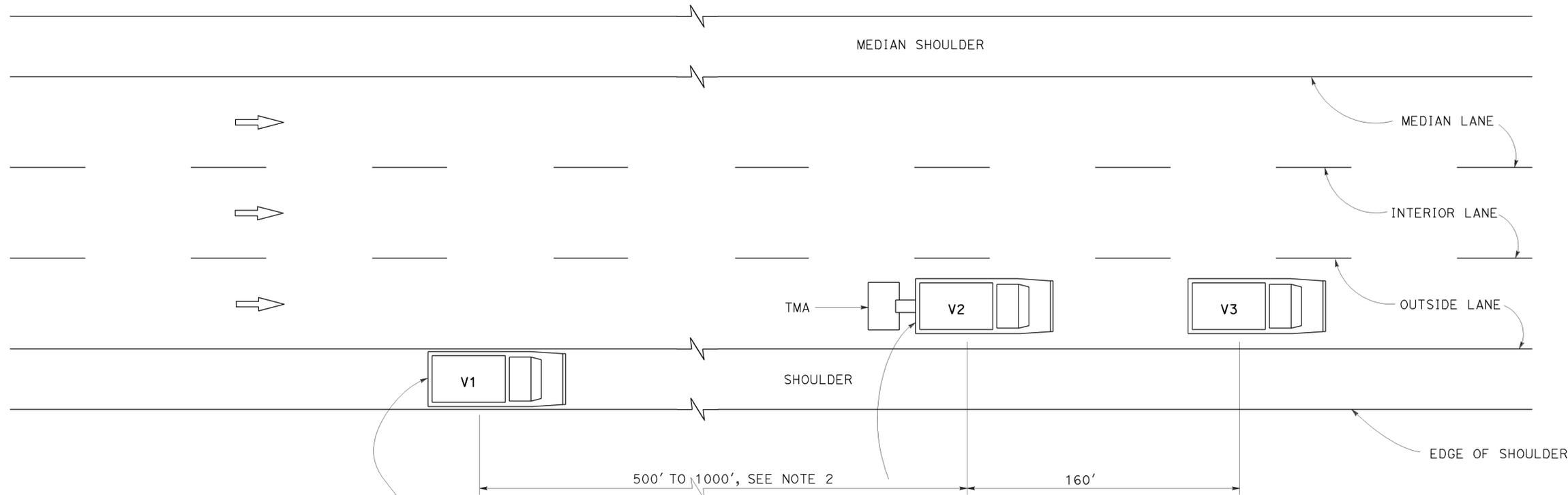
FUNCTIONAL SUPERVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Et Caltrans

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80,99,160	Var	20	34

REGISTERED CIVIL ENGINEER
 12-7-12 DATE
 2-11-13 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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



SIGN PANEL SIZE (Min)

A 66" x 36"
 B 54" x 42"

- LEGEND**
- V1 SIGN VEHICLE
 - V2 SHADOW VEHICLE
 - V3 WORK/APPLICATION VEHICLE
 - FLASHING ARROW SIGN (FAS)
 - CMS CHANGEABLE MESSAGE SIGN
 - TMA TRUCK-MOUNTED ATTENUATOR

**MOVING LANE CLOSURE ON MEDIAN LANE OR
 OUTSIDE LANE OF MULTILANE HIGHWAYS**

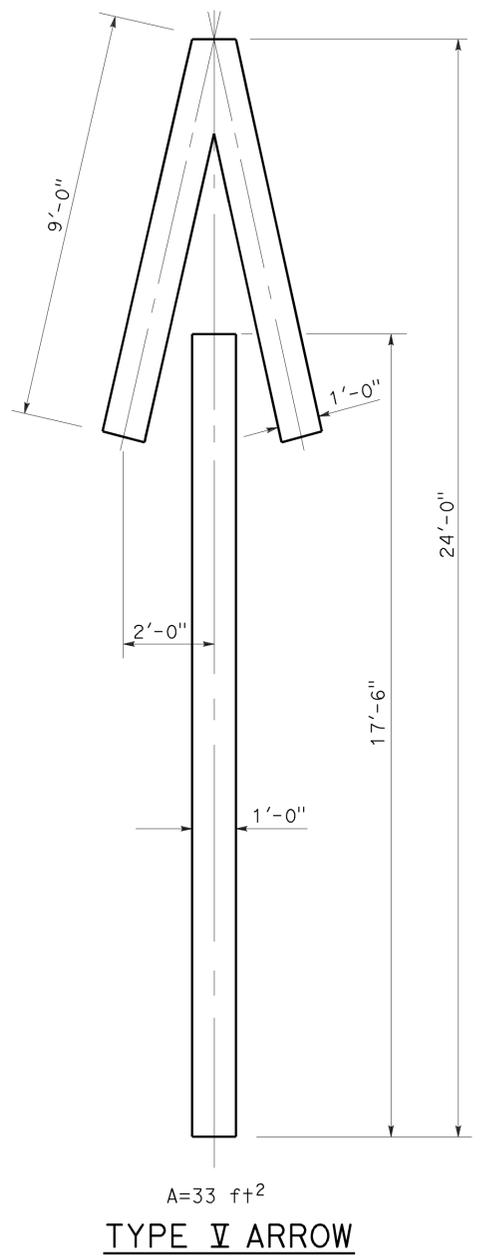
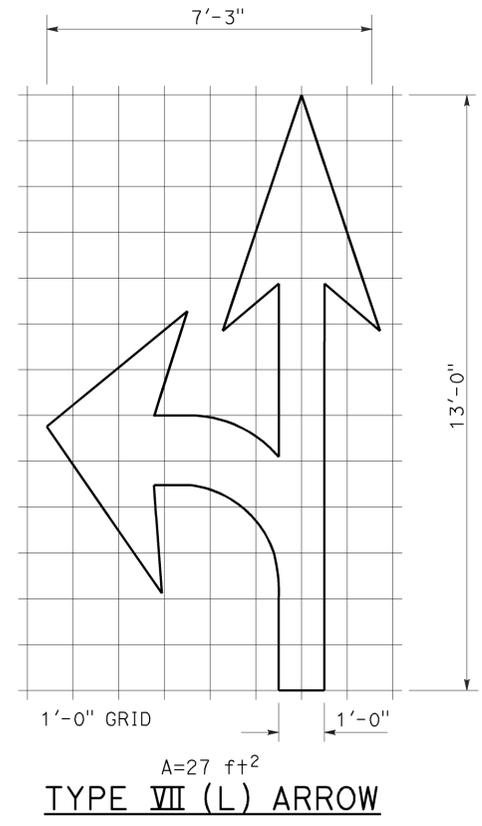
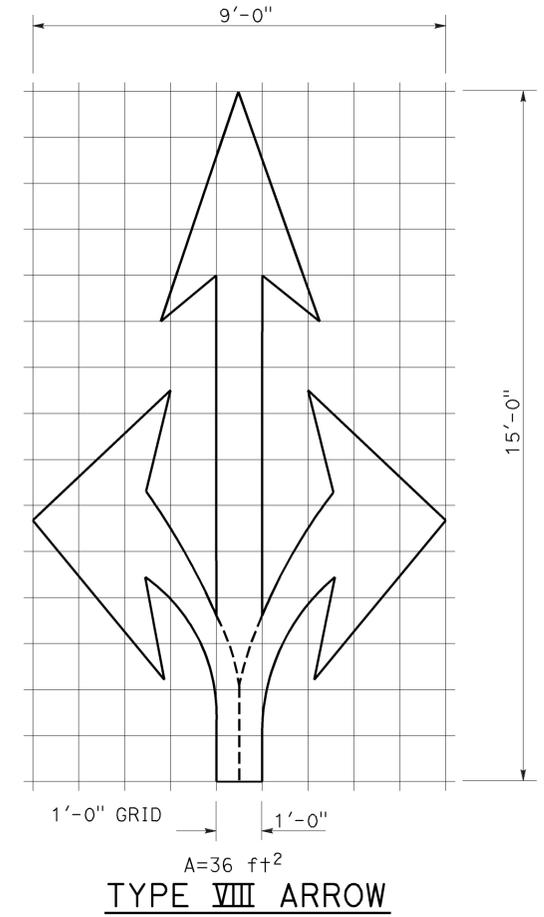
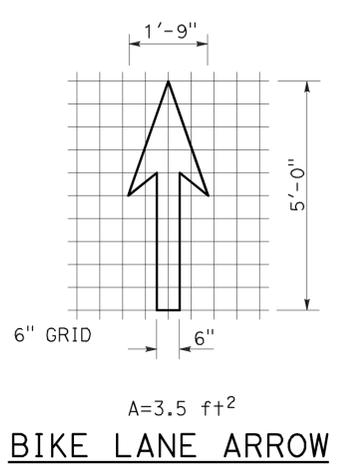
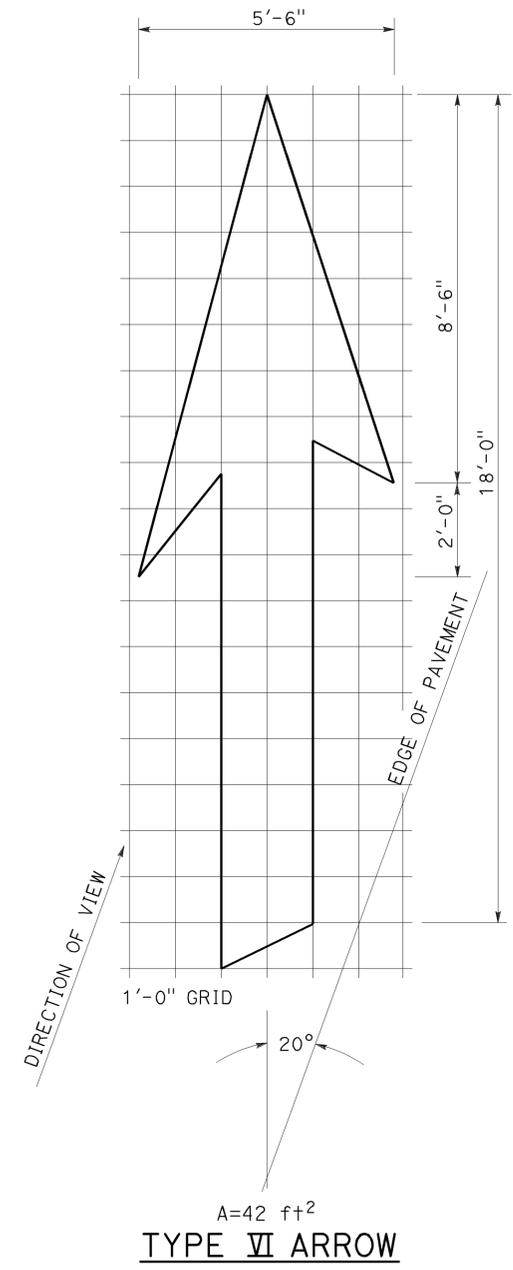
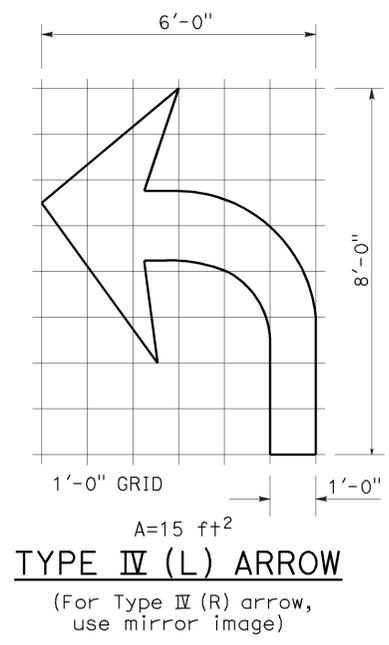
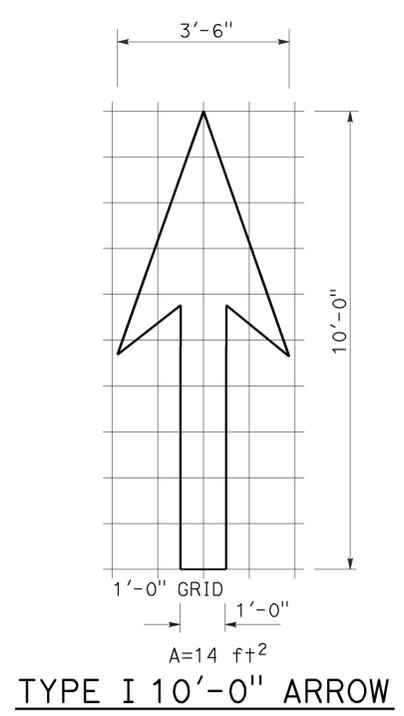
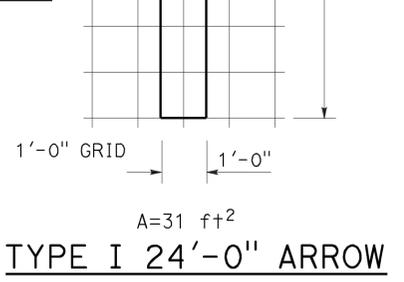
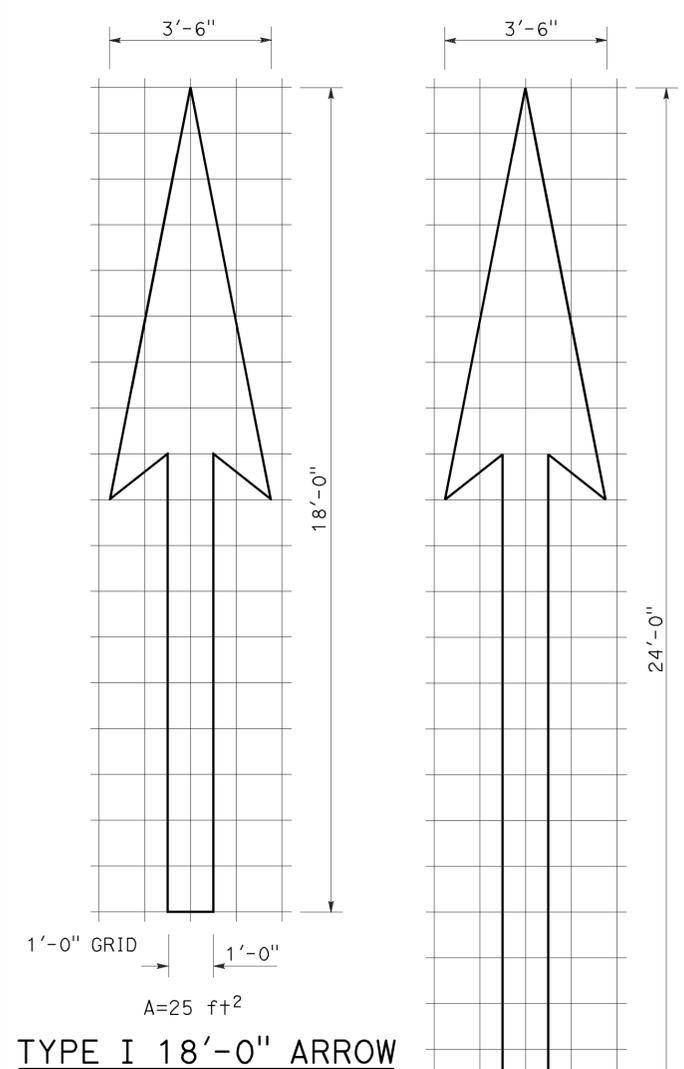
NOTES:

- Either a changeable message sign or a SC10 (CA) sign panel and a Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1. A Type II flashing arrow sign shall be mounted on the rear of sign vehicle V1 and used with the SC10 (CA) sign panel. A Type II flashing arrow sign will not be required with the changeable message sign provided the flashing arrow sign symbol is displayed on the changeable message sign board. The changeable message sign shall be sequenced to show the "ROAD WORK AHEAD" message first, followed by the "LANE CLOSED AHEAD" message and then the flashing arrow sign symbol. For median lane closure, the flashing arrow sign symbol shall be reversed with the arrowhead on the right.
- If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue. Sign vehicle V1 shall be positioned where highly visible when shoulders are not available.
- A minimum sight distance of 1500' should be provided in advance of sign vehicle V1.
- Sign vehicle V1 should remain at the beginning of horizontal or vertical curves until the other vehicles (V2 and V3) are far enough beyond the curve to resume the minimum sight distance of 1500'.
- Vehicle-mounted sign panels shall be Type III, IV, VII, VIII or IX retroreflective sheeting, black on white, black on orange, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.
- Gross Vehicle Weight of shadow vehicle V2 shall be a minimum of 20,000 pounds and shall be equipped with a truck-mounted attenuator. The sign panel shown and a Type II flashing arrow sign shall be mounted on the rear of shadow vehicle V2. For median lane closure the flashing arrow sign symbol shall be displayed with the arrowhead on the right.
- All vehicles used for lane closures shall be equipped with two-way radios, and the vehicle operators shall maintain communication during the work or application operation.
- Where sufficient shoulder width is not available, sign vehicle V1 may encroach into the traffic lane staying as close to the edge of shoulder as practicable. Both V1 and V2 shall be equipped with a truck-mounted attenuator. The Gross Vehicle Weight of V1 and V2 shall be at least 20,000 pounds, respectively.
- When multiple work vehicles are used in close proximity to each other, only one shadow vehicle is required, and spacing between work vehicles shall be minimized in order to deter traffic from entering the closed lane.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR MOVING LANE CLOSURE
 ON MULTILANE HIGHWAYS
 (OUTSIDE AND MEDIAN LANES)**
 NO SCALE
TCS-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Et Caltrans®
 REVISIONS:
 00-00-00 DATE PLOTTED => 10-DEC-2012
 00-00-00 TIME PLOTTED => 09:45

TO ACCOMPANY PLANS DATED 2-11-13



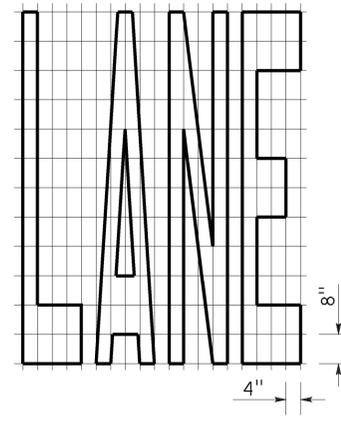
NOTE:
 Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
 ARROWS**
 NO SCALE

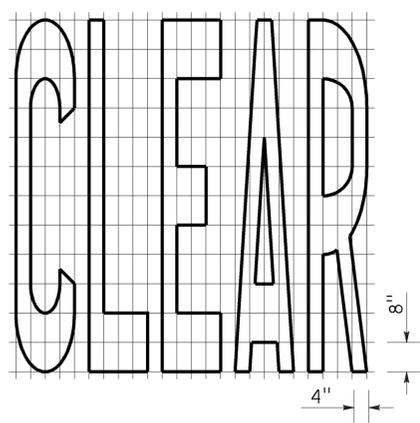
RSP A24A DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN A24A
 DATED MAY 20, 2011 - PAGE 13 OF THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP A24A

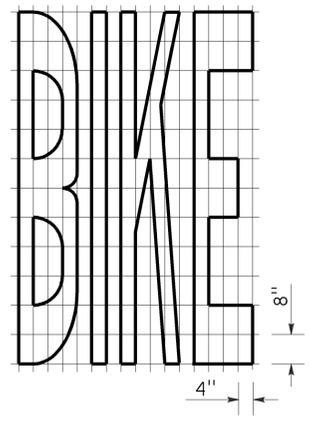
TO ACCOMPANY PLANS DATED 2-11-13



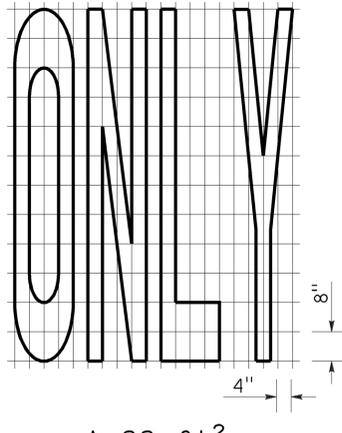
A=24 ft²



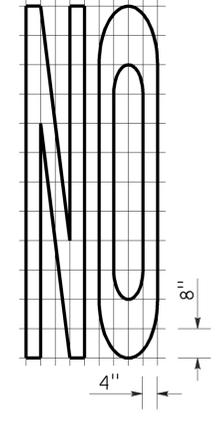
A=27 ft²



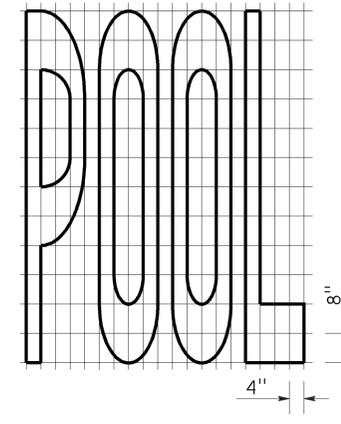
A=21 ft²



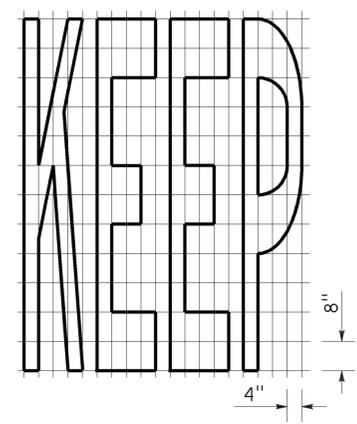
A=22 ft²



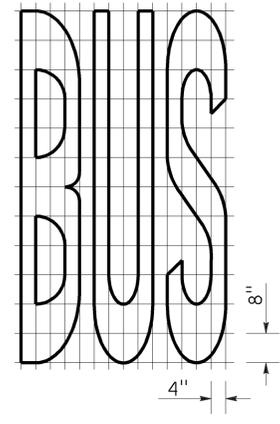
A=14 ft²



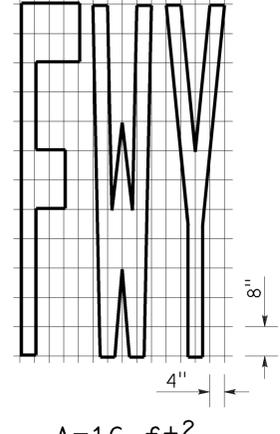
A=23 ft²



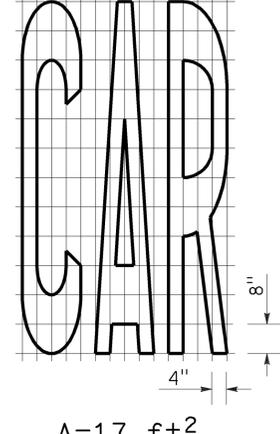
A=24 ft²



A=20 ft²

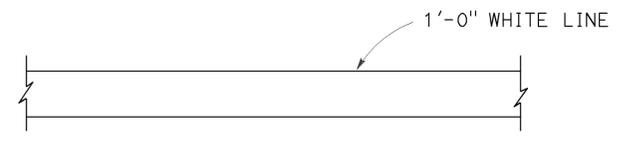
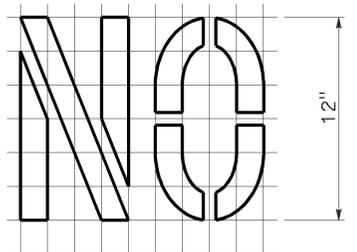


A=16 ft²

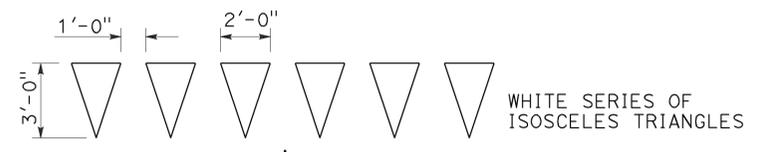


A=17 ft²

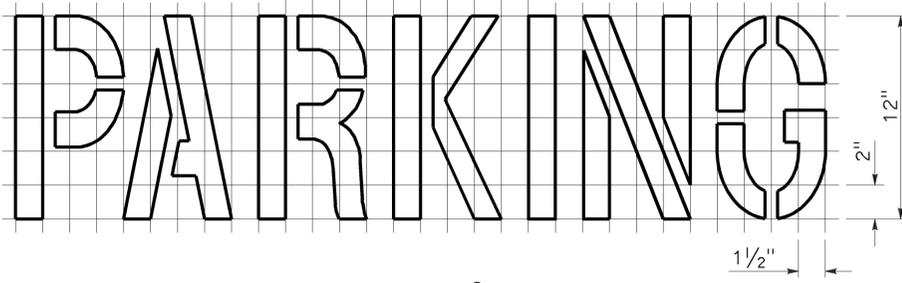
WORD MARKINGS			
ITEM	ft ²	ITEM	ft ²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



LIMIT LINE (STOP LINE)



YIELD LINE



A=2 ft²
See Notes 6 and 7

NOTES:

- If a message consists of more than one word, it should read "UP", i.e., the first word should be nearest the driver.
- The space between words should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
- Minor variations in dimensions may be accepted by the Engineer.
- Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
- The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
- The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

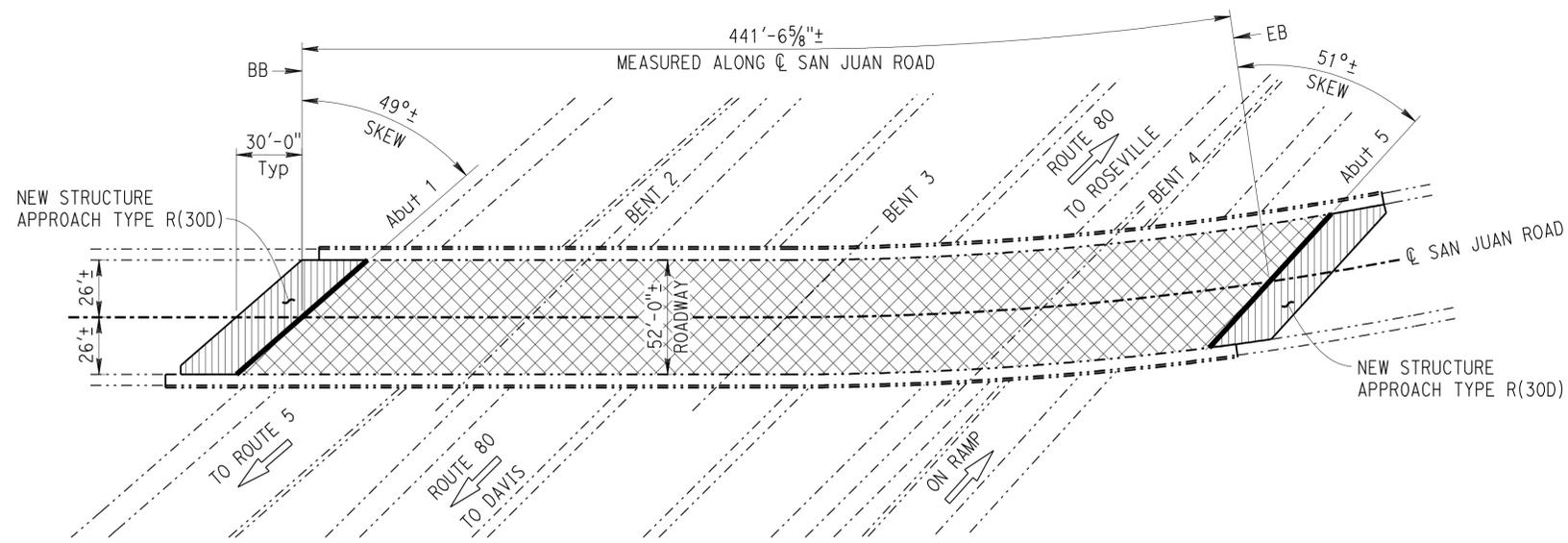
**PAVEMENT MARKINGS
WORDS, LIMIT AND YIELD LINES**

NO SCALE

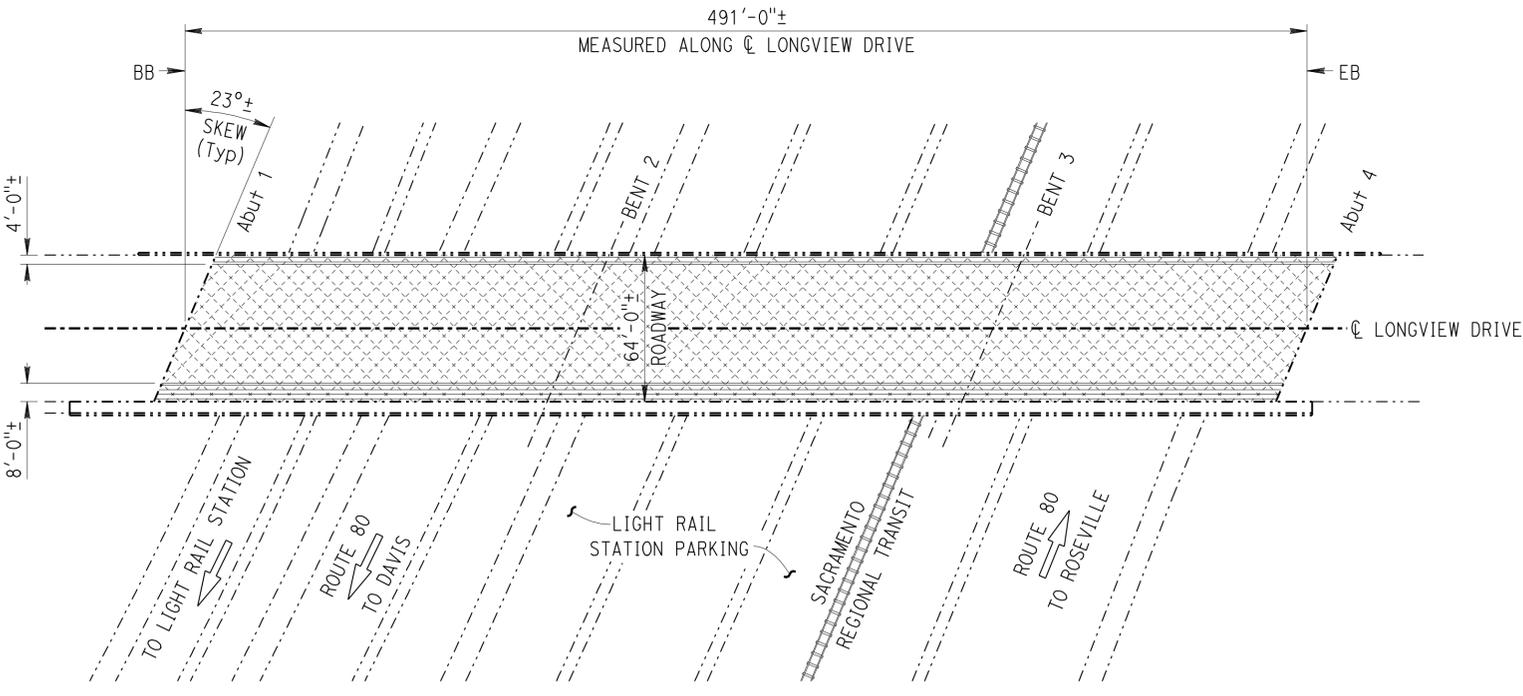
RSP A24E DATED JULY 20, 2012 SUPERSEDES STANDARD PLAN A24E
DATED MAY 20, 2011 - PAGE 17 OF THE STANDARD PLANS BOOK DATED 2010.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	25	34

Thomas J. Bolla 2-7-13
 REGISTERED CIVIL ENGINEER DATE
 2-11-13
 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.



SAN JUAN ROAD OVERCROSSING
 ROUTE 80, Br No. 24-0210, PM M2.87
 1" = 40'



LONGVIEW DRIVE OVERCROSSING
 ROUTE 80, Br No. 24-0283, PM M9.40
 1" = 40'

- NOTES:** (APPLY TO ALL SHEETS)
- Indicates existing.
 - THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 - STANDARD PLAN SHEET NUMBER
 - DETAIL NUMBER
- NOTES:** (APPLY TO THIS SHEET ONLY)
- ▨ Indicates limits of remove existing 1/2"± depth AC overlay, prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.
 - ▨ Indicates limits of remove unsound concrete, place rapid setting concrete patches, prepare concrete bridge deck surface, treat bridge deck with high molecular weight methacrylate, prepare concrete bridge deck surface and place multilayer polymer overlay. For details see "MISCELLANEOUS DETAILS No. 2" sheet.
 - ▨ Indicates limits of remove existing contrast treatment.
 - ▨ Indicates limits of remove existing approach pavement and place new paving notch extension and Structure Approach Type R(30D). For details see "STRUCTURE APPROACH TYPE R(30D)" sheet.
 - ▨ Indicates limits of install new joint seal. For details see "MISCELLANEOUS DETAILS No. 2" sheet.

SAN JUAN ROAD OC BRIDGE NO. 24-0210

QUANTITIES

	LUMP SUM
PUBLIC SAFETY PLAN	
REMOVE ASPHALT CONCRETE SURFACING	23,075 SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	23,075 SQFT
TREAT BRIDGE DECK	23,075 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	256 GAL
AGGREGATE BASE (APPROACH SLAB)	12 CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	116 CY
PAVING NOTCH EXTENSION	121 CF
JOINT SEAL (MR 2")	163 LF

LONGVIEW DRIVE OC BRIDGE NO. 24-0283

QUANTITIES

	LUMP SUM
PUBLIC SAFETY PLAN	
RAPID SETTING CONCRETE (PATCH)	79 CF
REMOVE CONTRAST TREATMENT	5,892 SQFT
MULTILAYER POLYMER OVERLAY	31,424 SQFT
REMOVE UNSOUND CONCRETE	79 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	62,848 SQFT
TREAT BRIDGE DECK	31,424 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	350 GAL

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
9	STRUCTURE APPROACH TYPE R(30D)
10	STRUCTURE APPROACH TYPE R(30S)

STANDARD PLANS DATED 2010

SHEET No.	TITLE
A10A	ABBREVIATIONS (SHEET 1 OF 2)
A10B	ABBREVIATIONS (SHEET 2 OF 2)
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
RSP P10	CONCRETE PAVEMENT - DOWEL BAR DETAILS

DESIGN	BY K. TRUONG	CHECKED H. MOAZAMI	LAYOUT	BY GF BIDWELL	CHECKED H. MOAZAMI
DETAILS	BY GF BIDWELL	CHECKED H. MOAZAMI	SPECIFICATIONS	BY TINA CHEN	CHECKED TINA CHEN
QUANTITIES	BY K. TRUONG	CHECKED H. MOAZAMI			

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

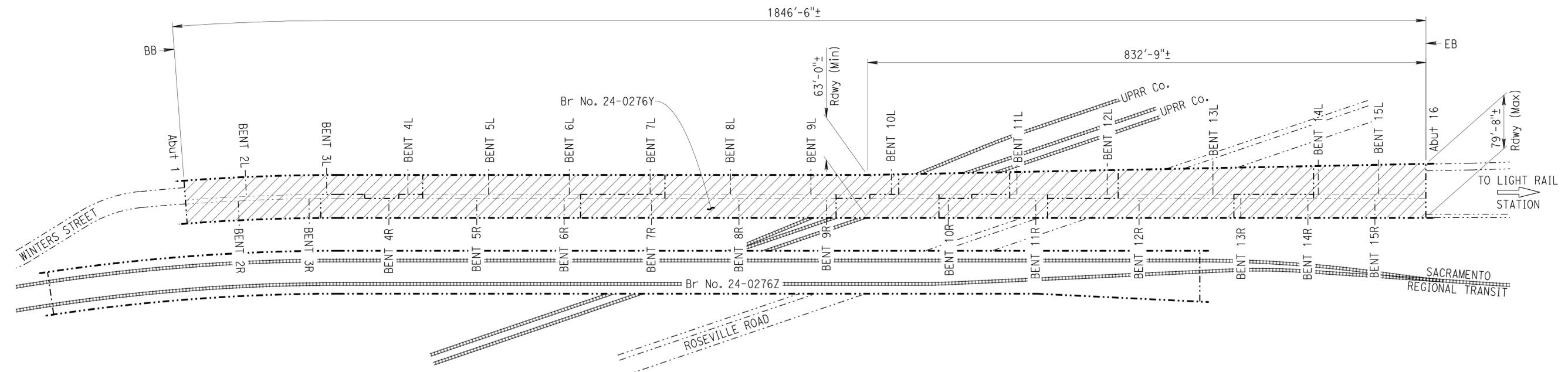
DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE No. VARIOUS
 POST MILE VARIOUS
ROUTE 80, 99 & 160 BRIDGES
GENERAL PLAN No. 1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	26	34

Thomas J. Bolla 2-7-13
 REGISTERED CIVIL ENGINEER DATE
 2-11-13
 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.

NOTES: (APPLY TO THIS SHEET ONLY)
 Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.



GRAND AVENUE OVERHEAD
 ROUTE 80, Br No. 24-0276Y, PM M8.59
 1" = 80'

GRAND AVENUE OH	BRIDGE NO. 24-0276Y
QUANTITIES	
PUBLIC SAFETY PLAN	LUMP SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	123,795 SQFT
TREAT BRIDGE DECK	123,795 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	1,381 GAL

Michael J. Lee 2-7-13
 DESIGN ENGINEER

DESIGN	BY K. TRUONG	CHECKED H. MOAZAMI	LAYOUT	BY GF BIDWELL	CHECKED H. MOAZAMI
DETAILS	BY GF BIDWELL	CHECKED H. MOAZAMI	SPECIFICATIONS	BY TINA CHEN	CHECKED TINA CHEN
QUANTITIES	BY K. TRUONG	CHECKED H. MOAZAMI			

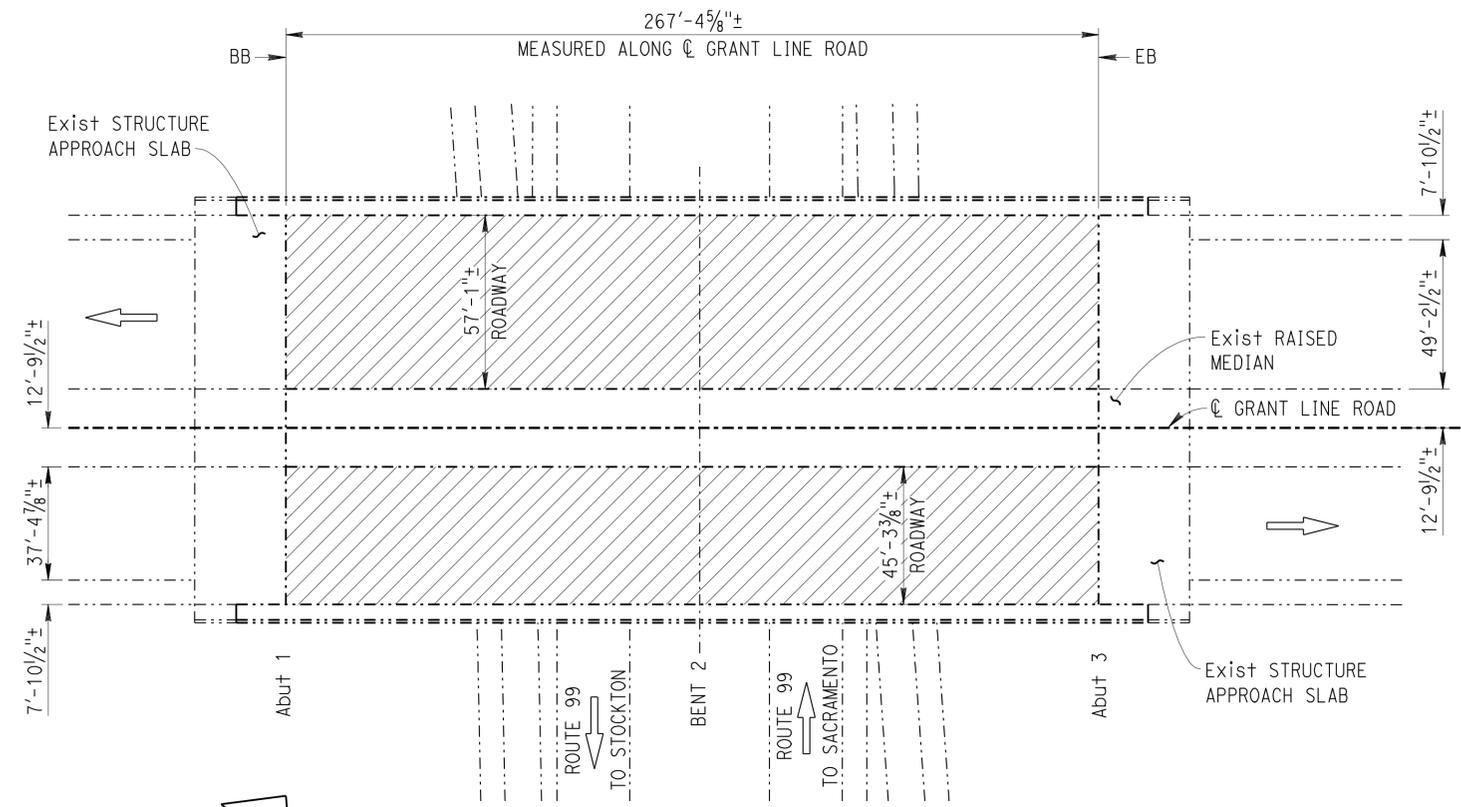
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE No. VARIOUS
 POST MILE VARIES
ROUTE 80, 99 & 160 BRIDGES
GENERAL PLAN No. 2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	27	34

Thomas J. Bolla 2-7-13
 REGISTERED CIVIL ENGINEER DATE
 2-11-13
 PLANS APPROVAL DATE
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GRANT LINE ROAD OVERCROSSING
 ROUTE 99, Br No. 24-0367, PM 10.07
 1" = 30'

GRANT LINE ROAD OC BRIDGE NO. 24-0367

QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	27,370 SQFT
TREAT BRIDGE DECK	27,370 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	304 GAL

AMADOR AVENUE OC BRIDGE NO. 24-0139

QUANTITIES

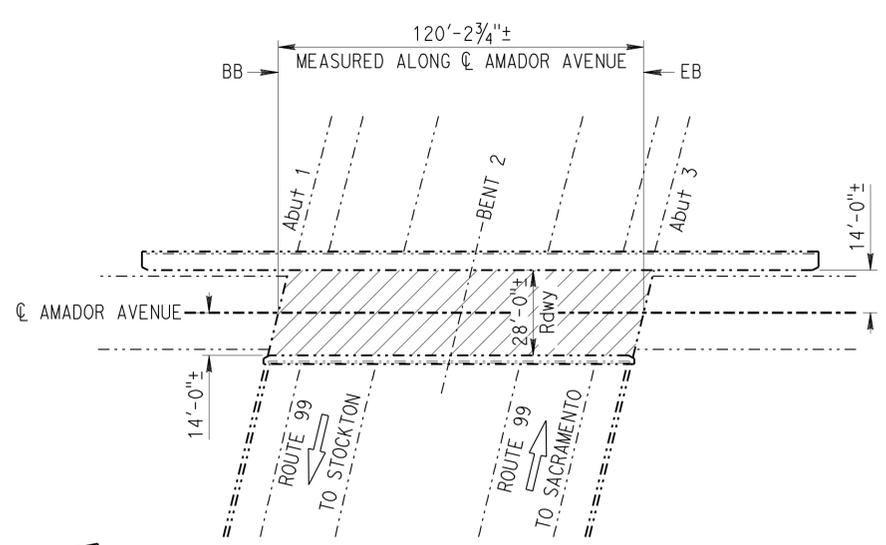
PUBLIC SAFETY PLAN	LUMP SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	3,366 SQFT
TREAT BRIDGE DECK	3,366 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	37 GAL

MCCONNELL OH BRIDGE NO. 24-0073R

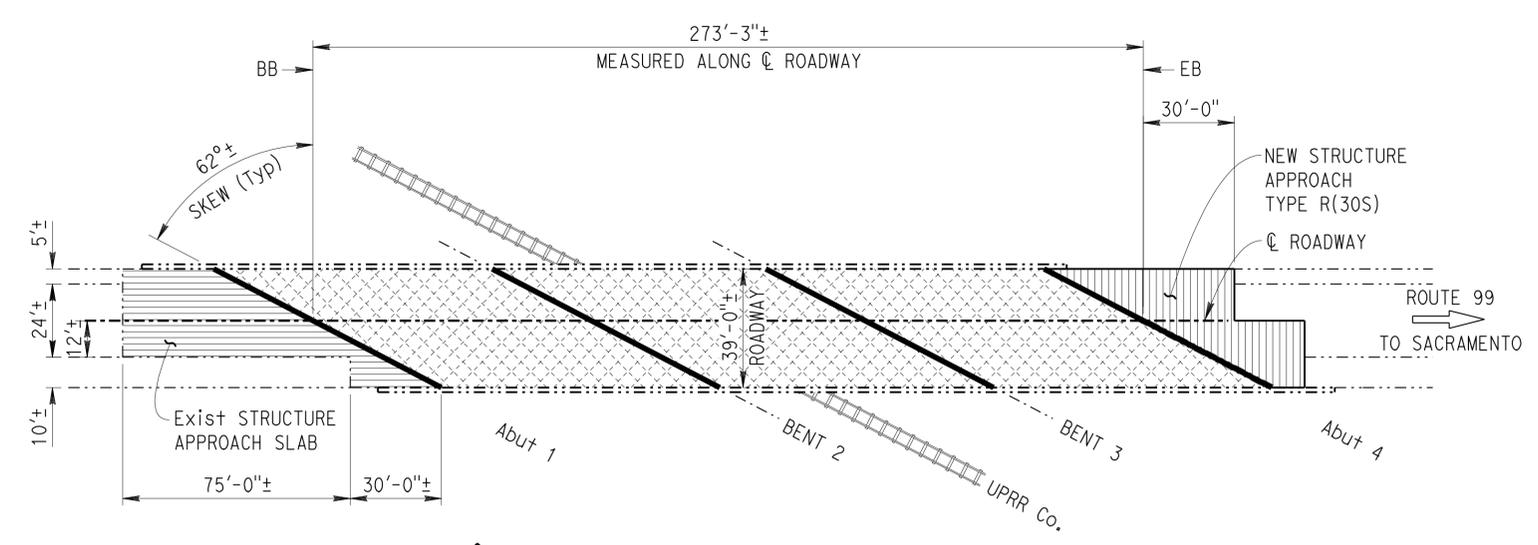
QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
RAPID SETTING CONCRETE (PATCH)	27 CF
GRIND EPOXY GRIT OVERLAY	10,657 SQFT
REMOVE UNSOUND CONCRETE	27 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	12,254 SQFT
FURNISH POLYESTER CONCRETE OVERLAY	919 CF
PLACE POLYESTER CONCRETE OVERLAY	12,254 SQFT
AGGREGATE BASE (APPROACH SLAB)	6 CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	62 CY
CLEAN EXPANSION JOINT	252 LF
JOINT SEAL (MR 1/2")	84 LF
JOINT SEAL (MR 1")	252 LF

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.
 - Indicates limits of grind existing epoxy grit overlay, remove unsound concrete, place rapid setting concrete patches, prepare concrete bridge deck surface, and place new 3/4" Min depth polyester concrete overlay. For details see "MISCELLANEOUS DETAILS No. 2" sheet.
 - Indicates limits of remove existing AC surfacing, PCC roadway and portion of abutment backwall, and place new Structure Approach Type R(30S). For details see "ABUTMENT BACKWALL REMOVAL DETAIL" on "MISCELLANEOUS DETAILS No. 1" sheet and "STRUCTURE APPROACH TYPE R(30S)" sheet.
 - Indicates limits of prepare concrete bridge deck surface and place new 3/4" Min depth polyester concrete overlay on existing structural concrete approach slab.
 - Indicates limits of clean expansion joint and install new joint seal. For details see "MISCELLANEOUS DETAILS No. 2" sheet.



AMADOR AVENUE OVERCROSSING
 ROUTE 99, Br No. 24-0139, PM 1.62
 1" = 30'



MCCONNELL OVERHEAD
 ROUTE 99, Br No. 24-0073R, PM 8.81
 1" = 30'

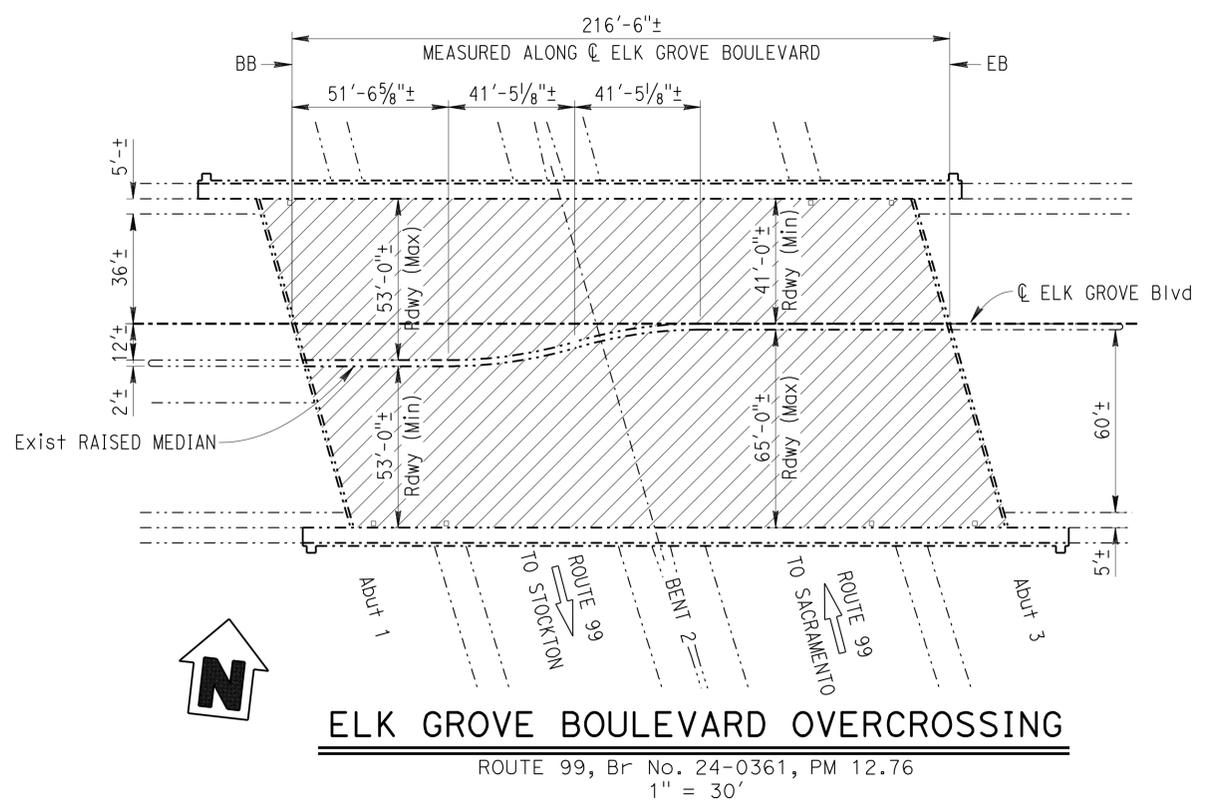
 DESIGN ENGINEER 2-7-13	DESIGN	BY H. DANG	CHECKED K. TRUONG	LAYOUT BY GF BIDWELL CHECKED K. TRUONG	SPECIFICATIONS BY TINA CHEN CHECKED TINA CHEN
	DETAILS	BY GF BIDWELL	CHECKED K. TRUONG		
	QUANTITIES	BY H. DANG	CHECKED K. TRUONG		

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE	BRIDGE No.	ROUTE 80, 99 & 160 BRIDGES GENERAL PLAN No. 3
	STRUCTURE MAINTENANCE DESIGN	VARIOUS	
		POST MILE	

UNIT: 3488	PROJECT NUMBER & PHASE: 031200009 1	CONTRACT No.: 03-4M5201	REVISION DATES	SHEET 3 OF 10
			11-28-12 5-28-12 6-7-12 8-10-12 10-18-12	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	28	34

Thomas J. Bolla 2-7-13
 REGISTERED CIVIL ENGINEER DATE
 2-11-13
 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.



ELK GROVE BLVD OC BRIDGE NO. 24-0361

QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	22,949 SQFT
TREAT BRIDGE DECK	22,949 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	255 GAL

OAK PARK SEP BRIDGE NO. 24-0231L

QUANTITIES

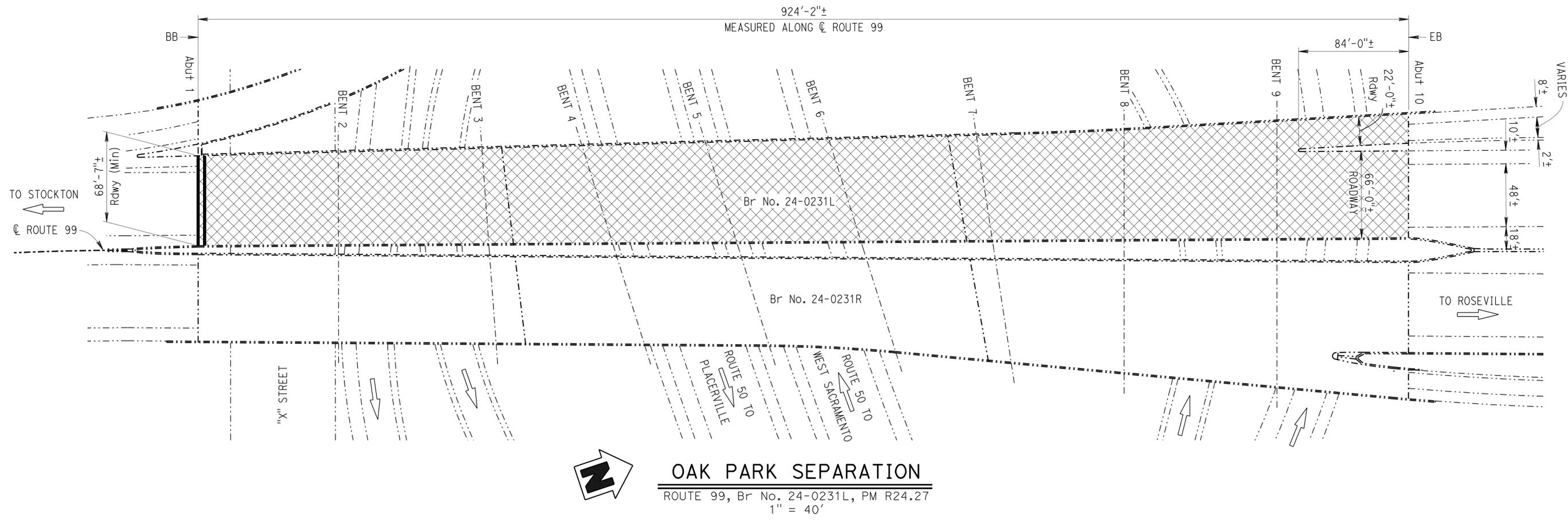
PUBLIC SAFETY PLAN	LUMP SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	72,362 SQFT
TREAT BRIDGE DECK	72,362 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	804 GAL
REMOVE CHIP SEAL	72,362 SQFT
BRIDGE REMOVAL (PORTION)	LUMP SUM
STRUCTURAL CONCRETE, BRIDGE	2 CY
JOINT SEAL (MR 1/2")	69 LF
JOINT SEAL (MR 1")	69 LF
BAR REINFORCING STEEL (BRIDGE)	289 LB

NOTES: (APPLY TO THIS SHEET ONLY)

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

Indicates limits of remove existing chip seal, prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.

Indicates limits of reconstruct abutment backwall and install new joint seals at BB and backwall. For details see "ABUTMENT BACKWALL REPAIR DETAIL" on "MISCELLANEOUS DETAILS No. 1" and "MISCELLANEOUS DETAILS No. 2" sheet.



 DESIGN ENGINEER 2-7-13	DESIGN BY H. DANG	CHECKED K. TRUONG	LAYOUT BY GF BIDWELL SPECIFICATIONS BY TINA CHEN	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE No. VARIOUS	ROUTE 80, 99 & 160 BRIDGES GENERAL PLAN No. 4
	DETAILS BY GF BIDWELL	CHECKED K. TRUONG				POST MILE VARIOUS	
	QUANTITIES BY H. DANG	CHECKED K. TRUONG				VARIES	

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS UNIT: 3488 PROJECT NUMBER & PHASE: 031200009 1 CONTRACT No.: 03-4M5201 DISREGARD PRINTS BEARING EARLIER REVISION DATES

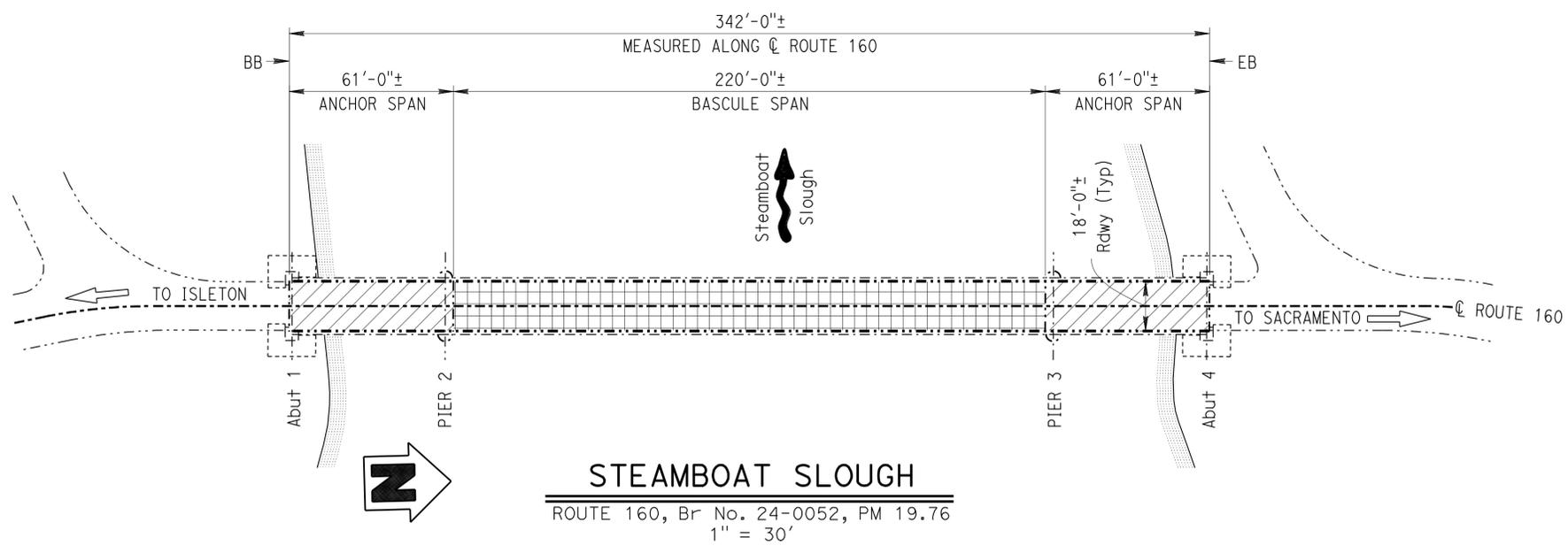
REVISION DATES	SHEET	OF
11-28-12 5-28-12 6-7-12 8-10-12 10-18-12	4	10

FILE => 03-4m5201_04gp4.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	29	34

Thomas J. Bolla 2-7-13
 REGISTERED CIVIL ENGINEER DATE
 2-11-13
 PLANS APPROVAL DATE
 THOMAS J. BOLLA
 No. C 43811
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

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.



STEAMBOAT SLOUGH BRIDGE NO. 24-0052

QUANTITIES

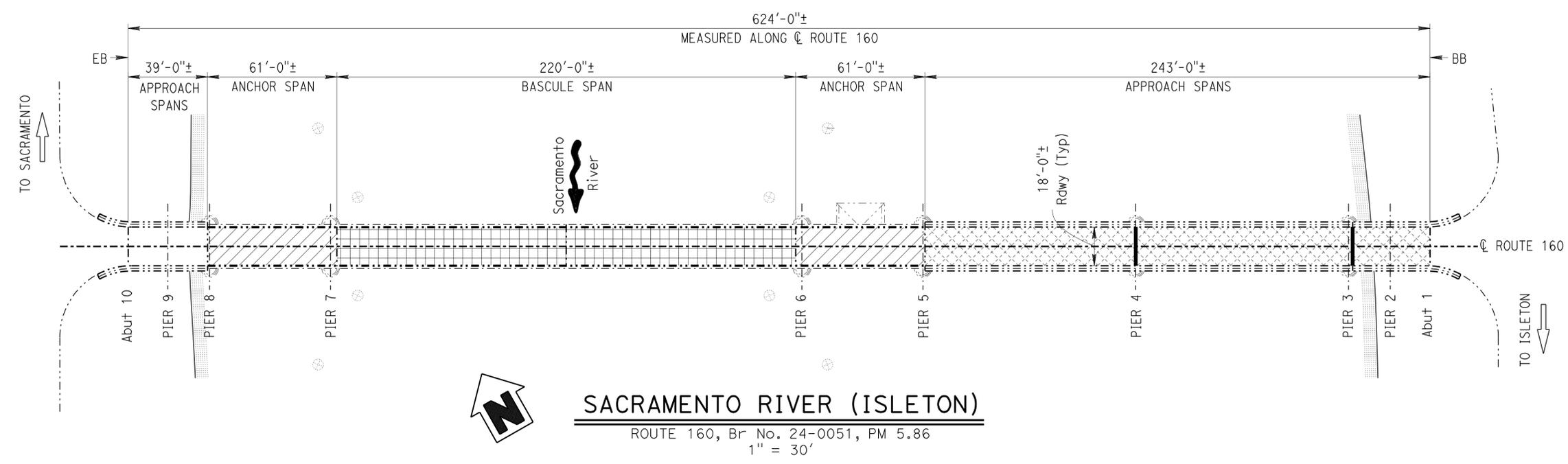
PREPARE CONCRETE BRIDGE DECK SURFACE	2,196	SQFT
TREAT BRIDGE DECK	2,196	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	25	GAL
NON-SKID STUDS	60,450	EA

SACRAMENTO RIVER (ISLETON) BRIDGE NO. 24-0051

QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM	
RAPID SETTING CONCRETE (PATCH)	11	CF
REMOVE ASPHALT CONCRETE SURFACING	4,374	SQFT
REMOVE UNSOUND CONCRETE	11	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	6,570	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	875	CF
PLACE POLYESTER CONCRETE OVERLAY	4,374	SQFT
TREAT BRIDGE DECK	2,196	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	24	GAL
CLEAN EXPANSION JOINT	38	LF
JOINT SEAL (MR 1/2")	19	LF
JOINT SEAL (MR 1")	19	LF
NON-SKID STUDS	60,450	EA

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of remove existing 2"± depth AC overlay, remove unsound concrete, place rapid setting concrete patches, prepare concrete bridge deck surface and place new 2" Min depth polyester concrete overlay. For details see "MISCELLANEOUS DETAILS No. 2" sheet.
 - Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.
 - Indicates limits of install non-skid studs to top of open grate metal deck. For details see "NON-SKID STUD DETAILS" on "MISCELLANEOUS DETAILS No.1" sheet.
 - Indicates limits of clean expansion joint and install new joint seal. For details see "MISCELLANEOUS DETAILS No. 2" sheet.



Michael J. Lee 2-7-13
 DESIGN ENGINEER

DESIGN	BY H. MOAZAMI	CHECKED H. DANG	LAYOUT	BY GF BIDWELL	CHECKED H. DANG
DETAILS	BY GF BIDWELL	CHECKED H. DANG	SPECIFICATIONS	BY TINA CHEN	CHECKED TINA CHEN
QUANTITIES	BY H. MOAZAMI	CHECKED H. DANG			

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE No. VARIOUS
 POST MILE VARIOUS

ROUTE 80, 99 & 160 BRIDGES
 GENERAL PLAN No. 5

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 3488
 PROJECT NUMBER & PHASE: 031200009 1

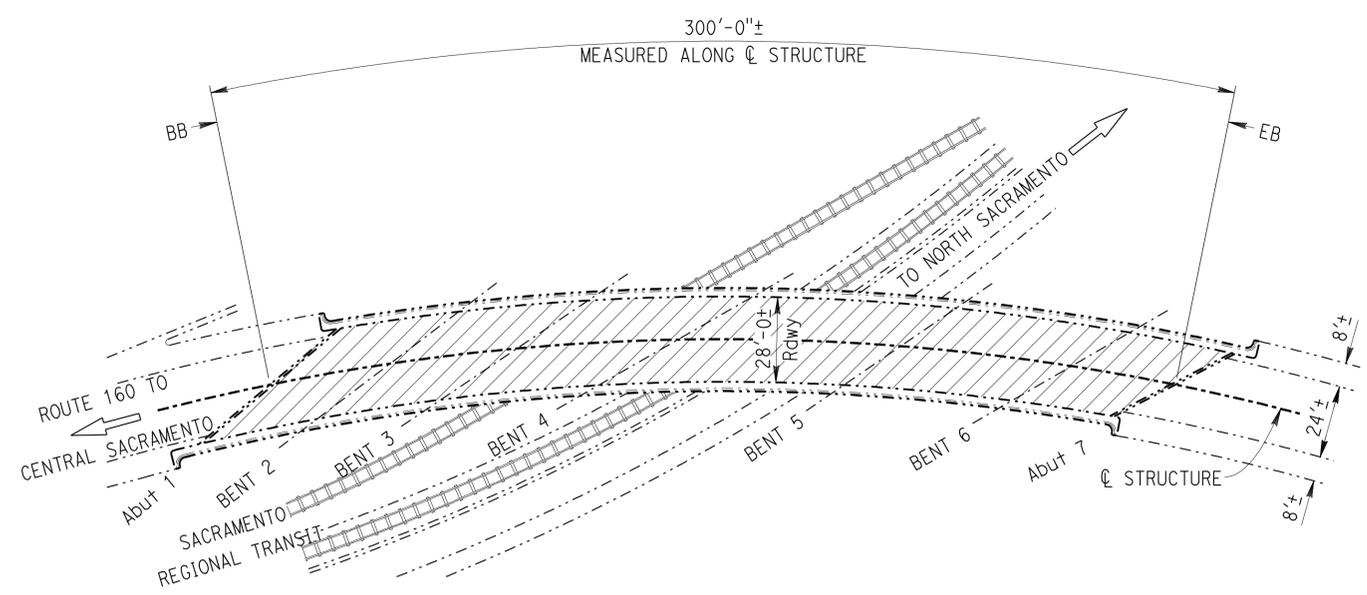
CONTRACT No.: 03-4M5201

DISREGARD PRINTS BEARING EARLIER REVISION DATES

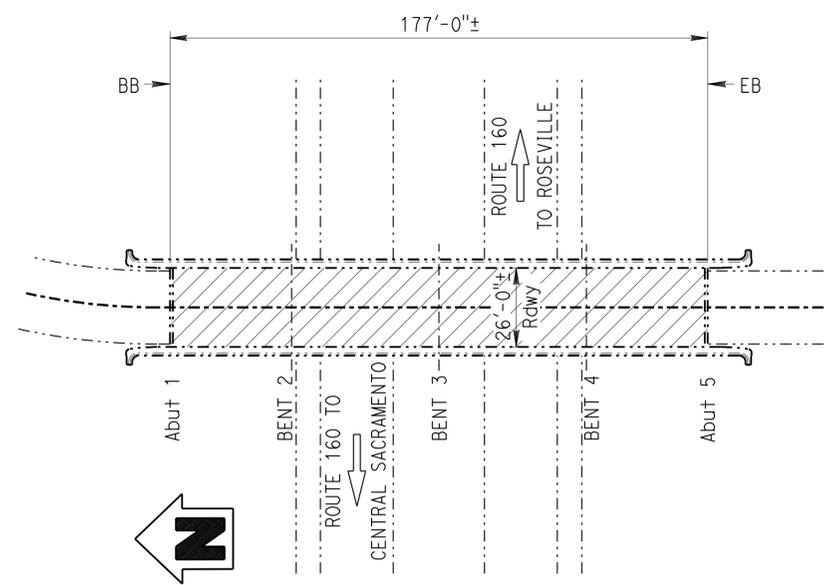
REVISION DATES	SHEET	OF
11-28-12	5	10
5-28-12		
6-7-12		
8-18-12		
10-18-12		

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	30	34

Thomas J. Bolla 2-7-13
 REGISTERED CIVIL ENGINEER DATE
 2-11-13
 PLANS APPROVAL DATE
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NORTH SACRAMENTO UNDERCROSSING
 ROUTE 160, Br No. 24-0111L, PM R45.02
 1" = 30'

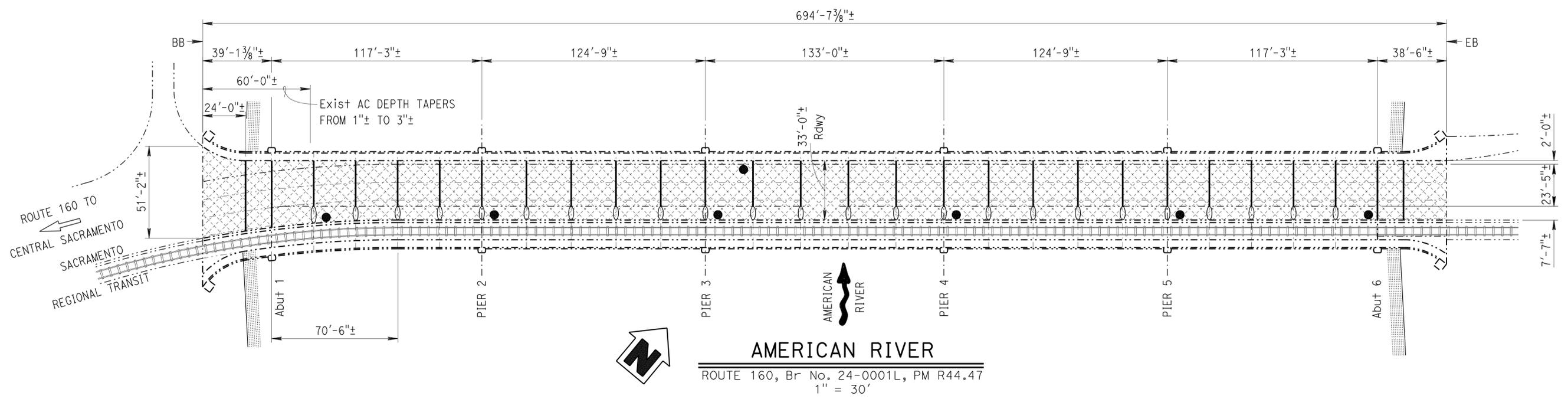


SWANSTON OVERCROSSING
 ROUTE 160, Br No. 24-0118, PM 46.25
 1" = 30'

- NOTES:** (APPLY TO THIS SHEET ONLY)
- Indicates limits of remove existing 1"± depth AC overlay, remove unsound concrete, place rapid setting concrete patch, prepare concrete bridge deck surface and place new 3/4" Min depth polyester concrete overlay. For details see "MISCELLANEOUS DETAILS No. 2" sheet.
 - Indicates limits of prepare concrete bridge deck surface and treat bridge deck with high molecular weight methacrylate.
 - Indicates limits of sawcut new polyester concrete overlay.
 - Indicates location of retain existing steel joint armor (total 24).
 - Indicates location of retain existing steel covered manholes (total 7).

NORTH SACRAMENTO UC		BRIDGE NO. 24-0111L		AMERICAN RIVER		BRIDGE NO. 24-0001L	
QUANTITIES				QUANTITIES			
PUBLIC SAFETY PLAN	LUMP SUM	PUBLIC SAFETY PLAN	LUMP SUM				
PREPARE CONCRETE BRIDGE DECK SURFACE	8,400 SQFT	RAPID SETTING CONCRETE (PATCH)	582 CF				
TREAT BRIDGE DECK	8,400 SQFT	REMOVE ASPHALT CONCRETE SURFACING	23,255 SQFT				
FURNISH BRIDGE DECK TREATMENT MATERIAL	94 GAL	REMOVE UNSOUND CONCRETE	582 CF				
		PREPARE CONCRETE BRIDGE DECK SURFACE	23,255 SQFT				
		FURNISH POLYESTER CONCRETE OVERLAY	2,030 CF				
		PLACE POLYESTER CONCRETE OVERLAY	23,255 SQFT				

SWANSTON OC		BRIDGE NO. 24-0118	
QUANTITIES			
PUBLIC SAFETY PLAN	LUMP SUM	PUBLIC SAFETY PLAN	LUMP SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	4,602 SQFT	PREPARE CONCRETE BRIDGE DECK SURFACE	4,602 SQFT
TREAT BRIDGE DECK	4,602 SQFT	TREAT BRIDGE DECK	4,602 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	51 GAL	FURNISH BRIDGE DECK TREATMENT MATERIAL	51 GAL



AMERICAN RIVER
 ROUTE 160, Br No. 24-0001L, PM R44.47
 1" = 30'

Michael J. Lee 2-7-13
 DESIGN ENGINEER

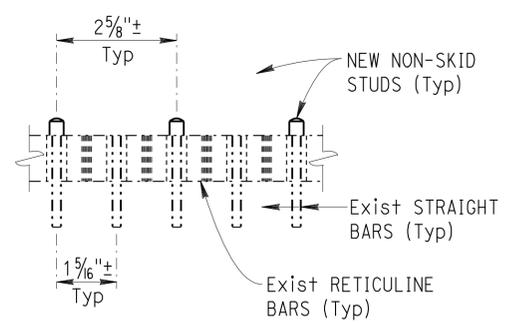
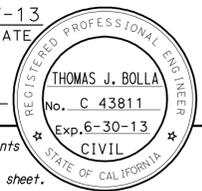
DESIGN	BY H. MOAZAMI	CHECKED H. DANG	LAYOUT	BY GF BIDWELL	CHECKED H. DANG
DETAILS	BY GF BIDWELL	CHECKED H. DANG	SPECIFICATIONS	BY TINA CHEN	CHECKED TINA CHEN
QUANTITIES	BY H. MOAZAMI	CHECKED H. DANG			

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

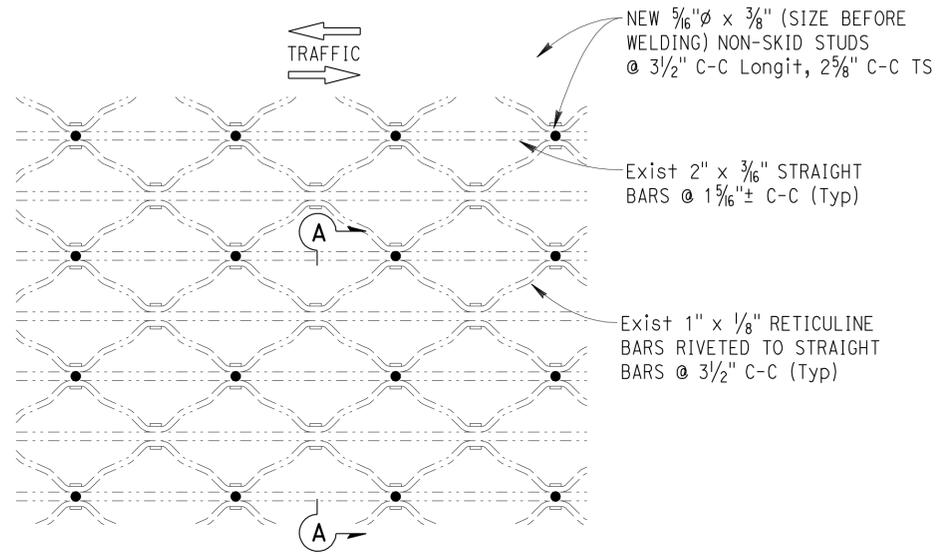
DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE No. VARIOUS
 POST MILE VARIES
ROUTE 80, 99 & 160 BRIDGES
 GENERAL PLAN No. 6

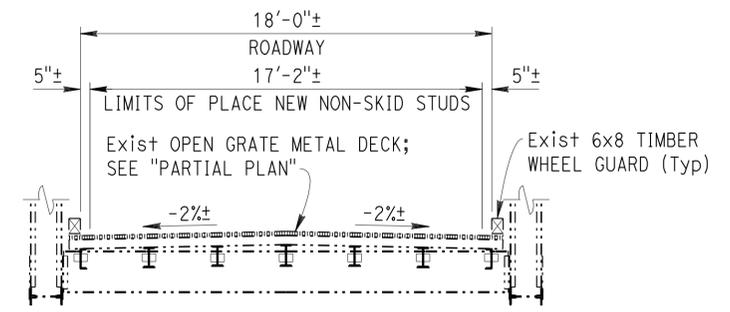
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	31	34
Thomas J. Bolla			2-7-13	REGISTERED CIVIL ENGINEER DATE	
2-11-13			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



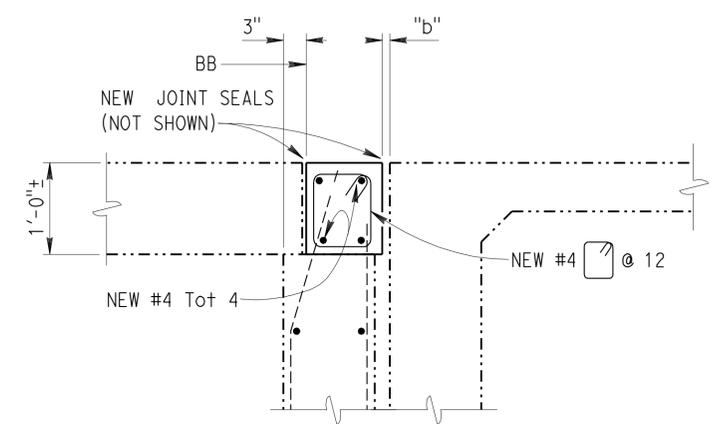
SECTION A-A
6" = 1'



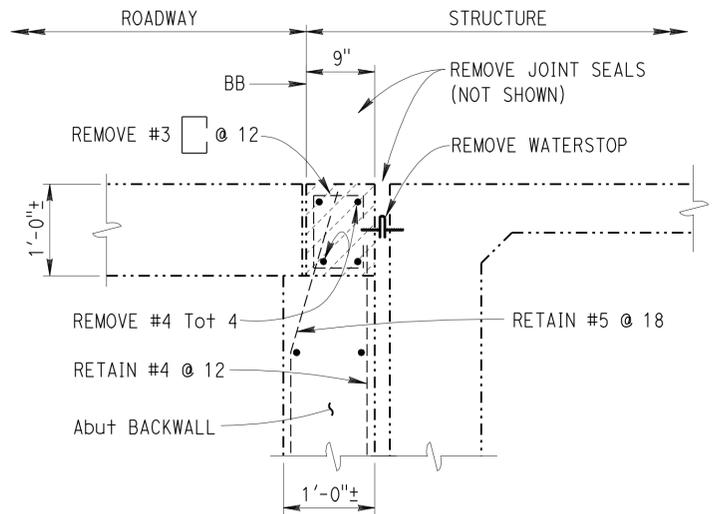
PARTIAL PLAN
6" = 1'



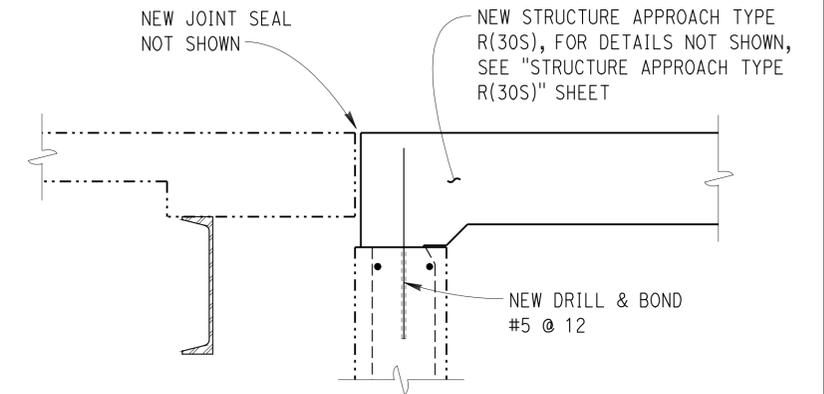
BASCULE SPAN TYPICAL SECTION
1/4" = 1'
NON-SKID STUD DETAILS
Br No. 24-0051 & Br No. 24-0052



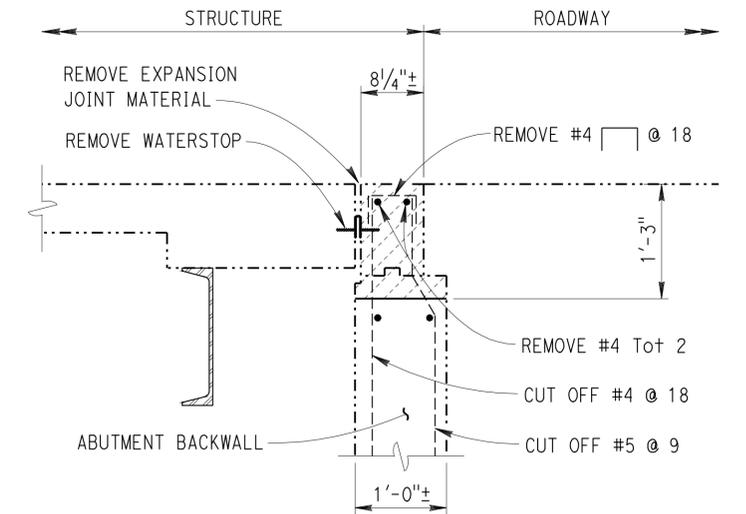
RECONSTRUCTION



EXISTING
ABUTMENT BACKWALL REPAIR DETAIL
Br No. 24-0231L
1" = 1'



RECONSTRUCTION



EXISTING
ABUTMENT BACKWALL REMOVAL DETAIL
Br No. 24-0073R
1" = 1'

DESIGN	BY DANG/MOAZAMI/TRUONG	CHECKED DANG/MOAZAMI/TRUONG
DETAILS	BY GF BIDWELL	CHECKED DANG/MOAZAMI/TRUONG
QUANTITIES	BY DANG/MOAZAMI/TRUONG	CHECKED DANG/MOAZAMI/TRUONG

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE No.	VARIOUS
POST MILE	VARIES

ROUTE 80, 99 & 160 BRIDGES
MISCELLANEOUS DETAILS No. 1

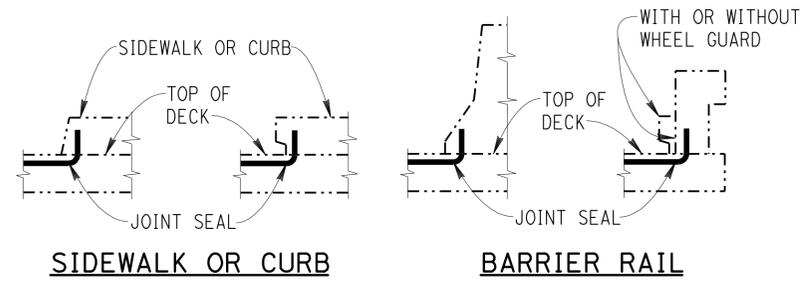
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	32	34
Thomas J. Bolla REGISTERED CIVIL ENGINEER		2-7-13 DATE			
2-11-13 PLANS APPROVAL DATE		The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.			

JOINT SEAL TABLE								
BRIDGE NAME	BRIDGE NUMBER	JOINT LOCATION	MINIMUM MR (INCHES)	Approx LENGTH (FEET)	EXISTING WATERSTOP	APPROXIMATE DEPTH TO CLEAN EXPANSION JOINT (INCHES)		
SAN JUAN ROAD OC	24-0210	Abut 1	BB	2	80.0	NO	---	
		Abut 5	EB	2	84.0	NO	---	
McCONNELL OH	24-0073R	Abut 1	BB	1/2 *	84.0	NO	12	
		BENT 2	Q	1 *	84.0	YES	6	
		BENT 3	Q	1 *	84.0	YES	6	
		Abut 4	EB	1 *	84.0	NO	---	
OAK PARK Sep	24-0231L	Abut 1	BB	1/2	68.8	NO	---	
			BW	1	69.0	NO	---	
SACRAMENTO RIVER (ISLETON)	24-0051	PIER 3	H	1/2	18.5	NO	12	
		PIER 4	Q	1	19.0	NO	12	

THE FOLLOWING NOTES APPLY TO JOINT SEAL TYPE B:

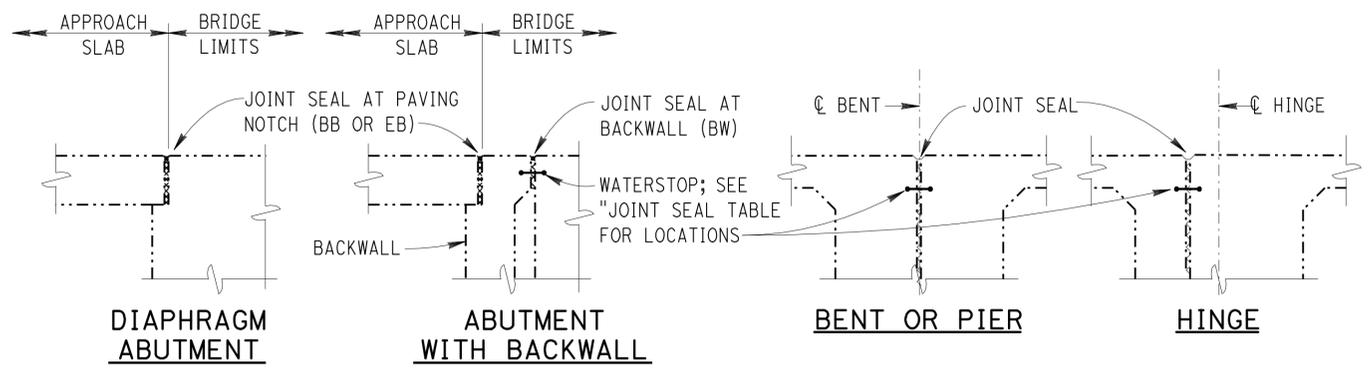
- Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
- Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be recalculated by the engineer.
- W1 shall be the smaller of the values determined as follows:
 - 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
 - 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.
- 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.
- For details not shown see B6-21

LEGEND:
 BB = PAVING NOTCH AT BEGINNING OF BRIDGE
 EB = PAVING NOTCH AT END OF BRIDGE
 BW = ABUTMENT BACKWALL
 Q = Q BENT OR PIER
 H = HINGE
 * = USE SILICONE JOINT SEAL



JOINT SEAL AT LOW SIDE OF DECK

DETAILS SHOWN FOR ILLUSTRATION PURPOSES ONLY. FOR USE ONLY WHERE DECK JOINT MATCHES THE BARRIER RAIL JOINT. NO SCALE



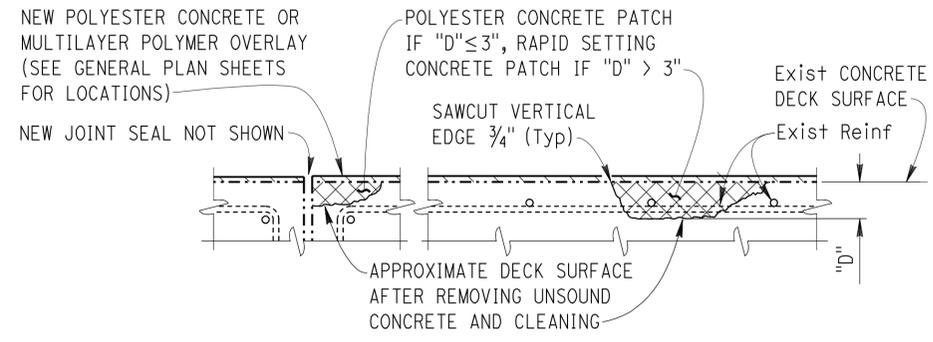
JOINT SEAL LOCATION

NO SCALE

DECK REPAIR TABLE
 REMOVE UNSOUND CONCRETE AND PLACE RAPID SETTING CONCRETE PATCHES

BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
LONGVIEW DRIVE OC	24-0283	1	3
McCONNELL OH	24-0073R	1	3
SACRAMENTO RIVER (ISLETON)	24-0051	1	3
AMERICAN RIVER	24-0001L	10	3

LOCATIONS TO BE DETERMINED BY THE ENGINEER. FOR DETAILS SEE "JOINT AND DECK REPAIR DETAIL".



JOINT AND DECK REPAIR DETAIL

LOCATIONS TO BE DETERMINED BY THE ENGINEER. REINFORCEMENT MAY BE ENCOUNTERED DURING DECK CONCRETE REMOVAL. NO SCALE

DESIGN	BY DANG/MOAZAMI/TRUONG	CHECKED DANG/MOAZAMI/TRUONG
DETAILS	BY GF BIDWELL	CHECKED DANG/MOAZAMI/TRUONG
QUANTITIES	BY DANG/MOAZAMI/TRUONG	CHECKED DANG/MOAZAMI/TRUONG

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

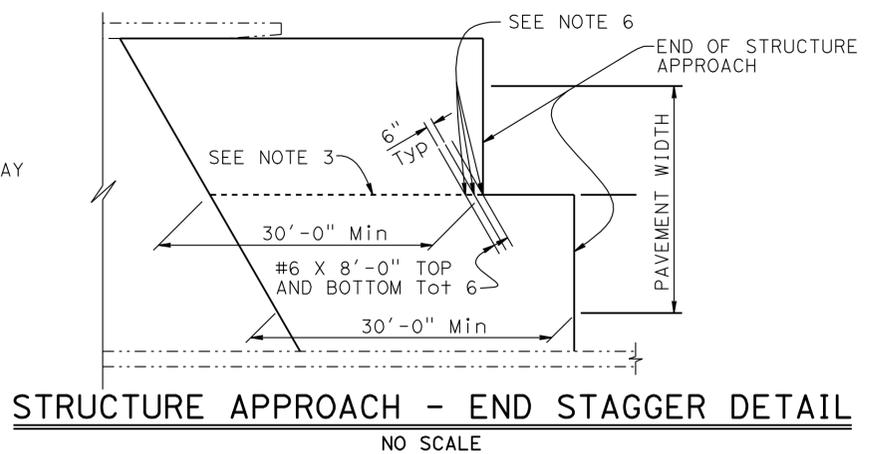
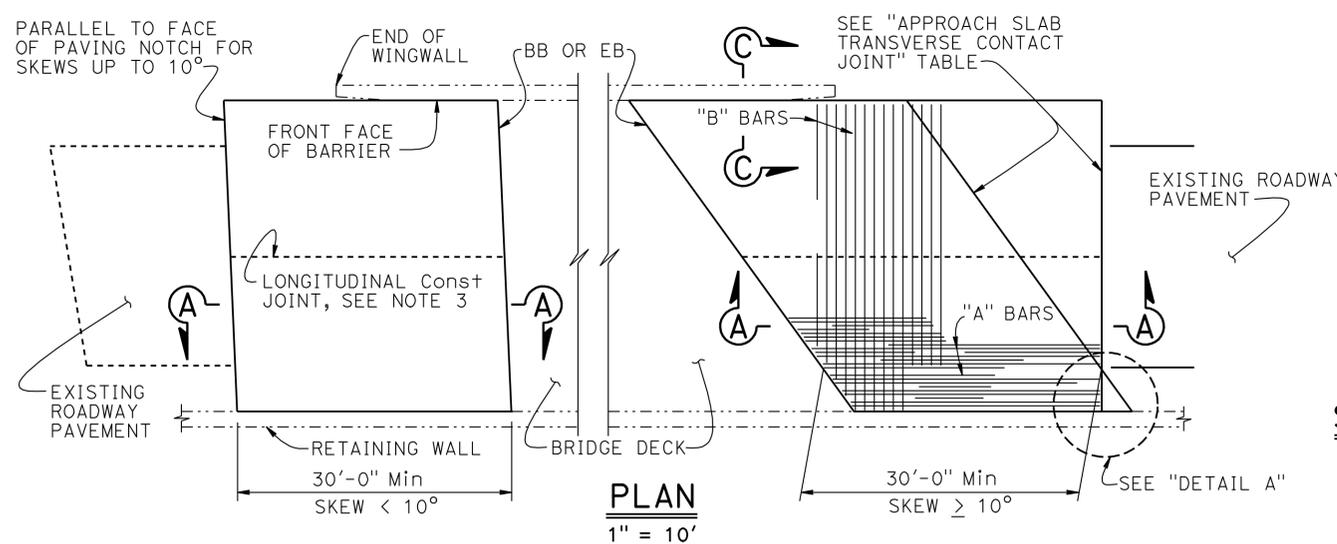
DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE No.	VARIOUS
POST MILE	VARIES

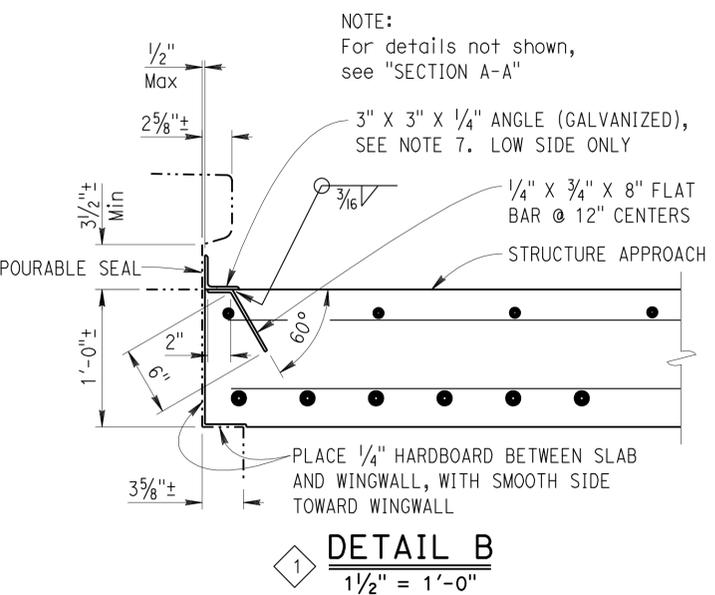
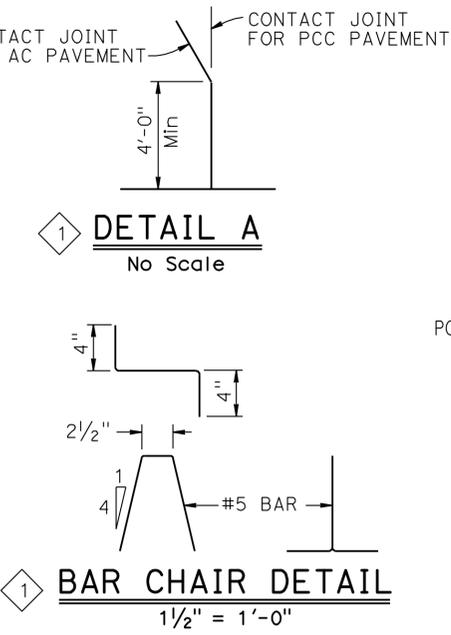
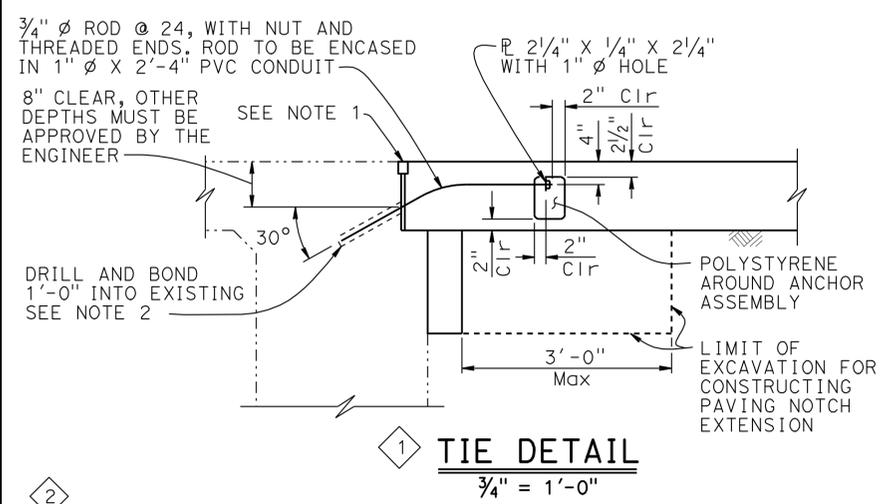
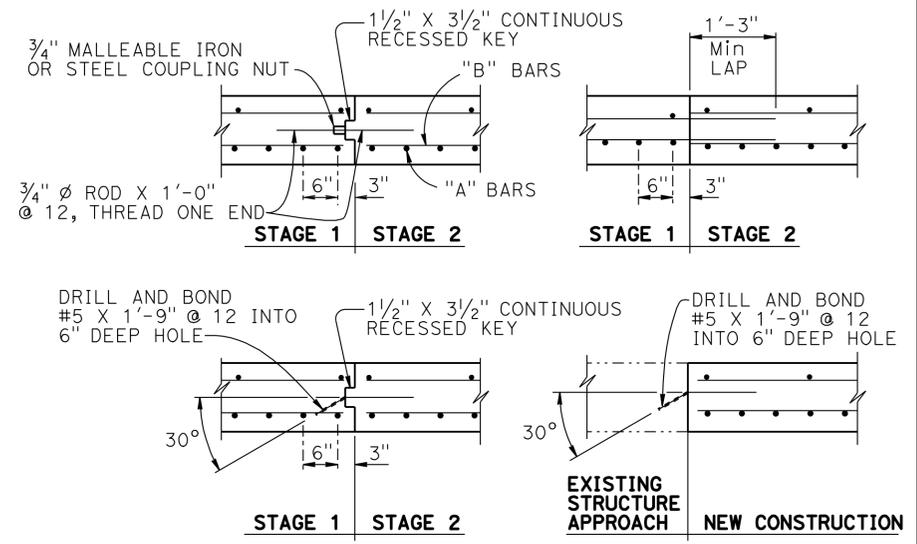
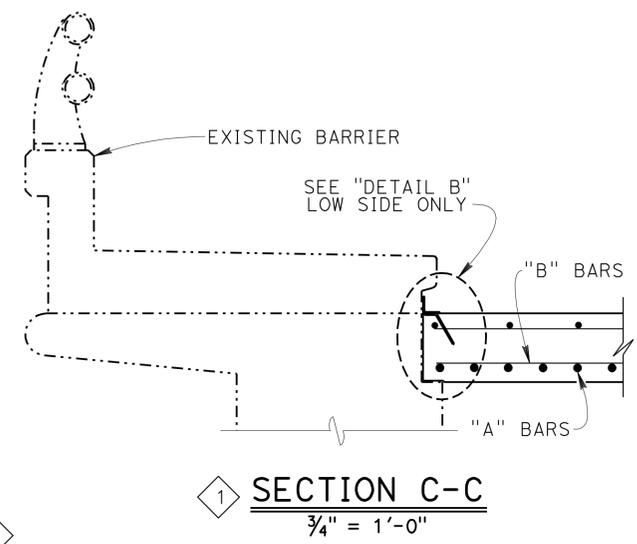
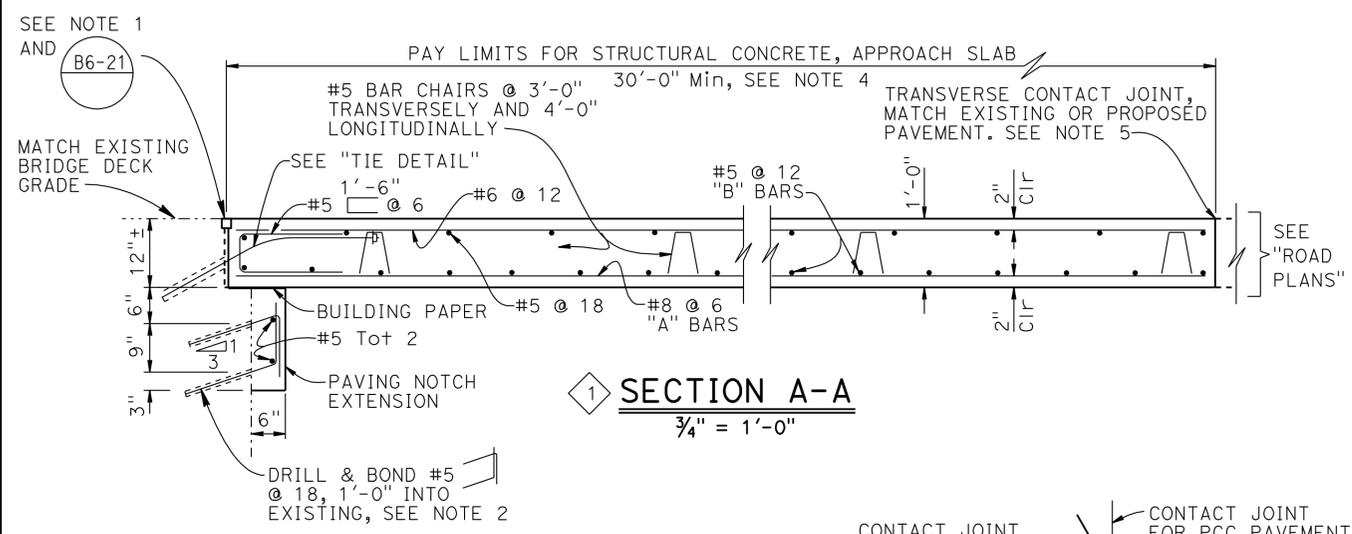
ROUTE 80, 99 & 160 BRIDGES
 MISCELLANEOUS DETAILS No. 2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	33	34

Thomas J. Bolla 2-7-13
 REGISTERED CIVIL ENGINEER DATE
 2-11-13
 PLANS APPROVAL DATE
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APPROACH SLAB TRANSVERSE CONTACT JOINT		
APPROACH SKEW	WITH AC ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
< 10°	PARALLEL TO FACE OF PN	PARALLEL TO FACE OF PAVING NOTCH
10° - 45°	PARALLEL TO FACE OF PN USE "DETAIL A"	STAGGER LINES 24' TO 36' APART
> 45°	PARALLEL TO FACE OF PN USE "DETAIL A"	STAGGER AT EACH LANE LINE



- NOTES:**
 1. For details not shown or noted, see "GENERAL PLAN No. 1". Adjust bar reinforcement to clear a sawcut for sealed joint, when required.
 2. Space to avoid existing prestress anchorages and main reinforcement.
 3. Longitudinal construction joints, when permitted by the Engineer, shall be located on lane lines.
 4. Transverse contact joint shall be a minimum of 5'-0" from an existing or constructed weakened plane joint.
 5. For transverse contact joint with new PCC paving. Refer to Revised Standard Plan RSP P10.
 6. Couplers are required for stage construction.
 7. End angle at end of wingwall or end of structure approach as applicable.

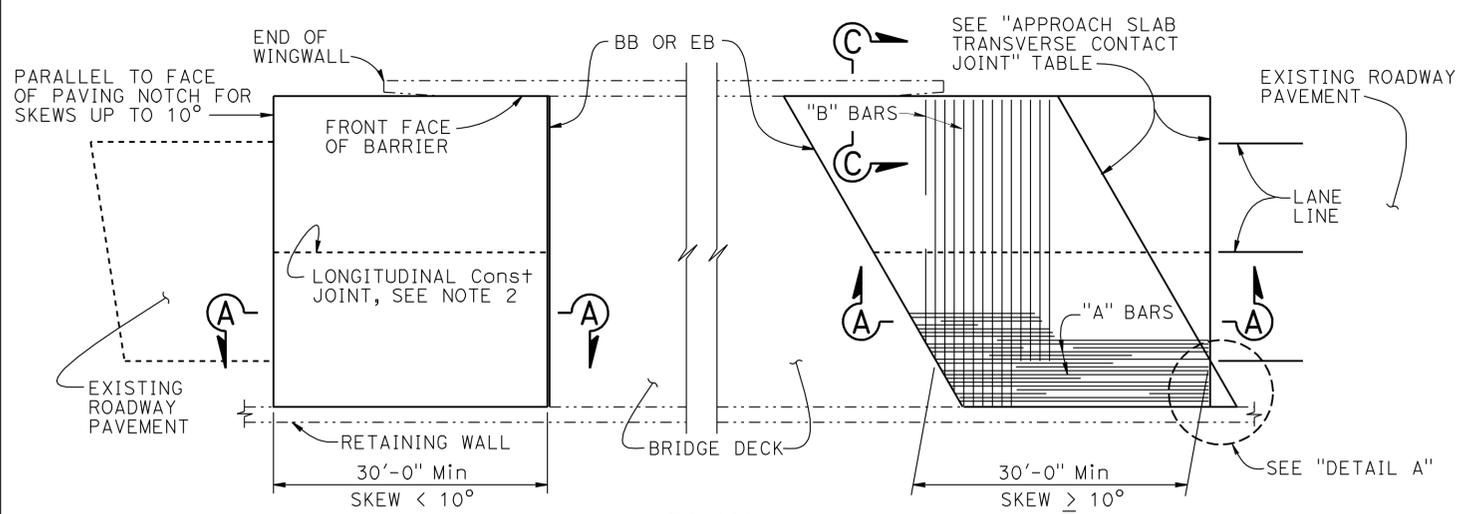
REVISED STANDARD DRAWING	1	DETAIL OR NOTE REVISED
FILE NO. xs3-150	2	DETAIL OR NOTE DELETED
APPROVAL DATE		

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 BRIDGE No. VARIOUS
 POST MILE VARIES
ROUTE 80, 99 & 160 BRIDGES
STRUCTURE APPROACH TYPE R(30D)

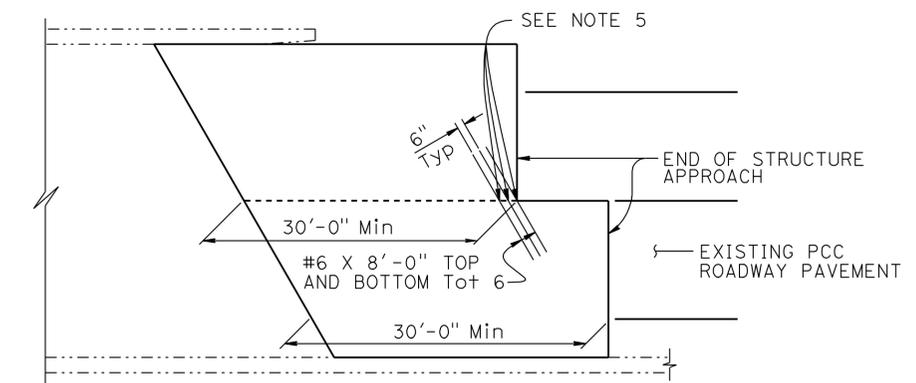
UNIT: 3488	PROJECT NUMBER & PHASE: 031200009 1	CONTRACT No.: 03-4M5201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 9 OF 10
				11-28-12 5-28-12 6-7-12 8-10-12 10-18-12	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	80, 99, 160	Var	34	34

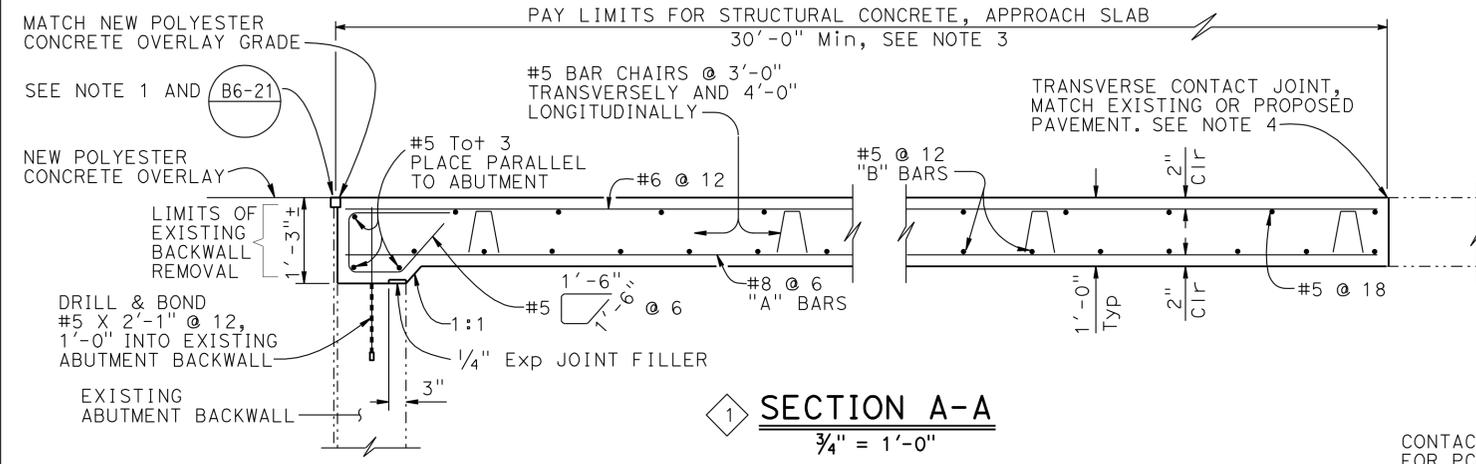
Thomas J. Bolla 2-7-13
 REGISTERED CIVIL ENGINEER DATE
 2-11-13
 PLANS APPROVAL DATE
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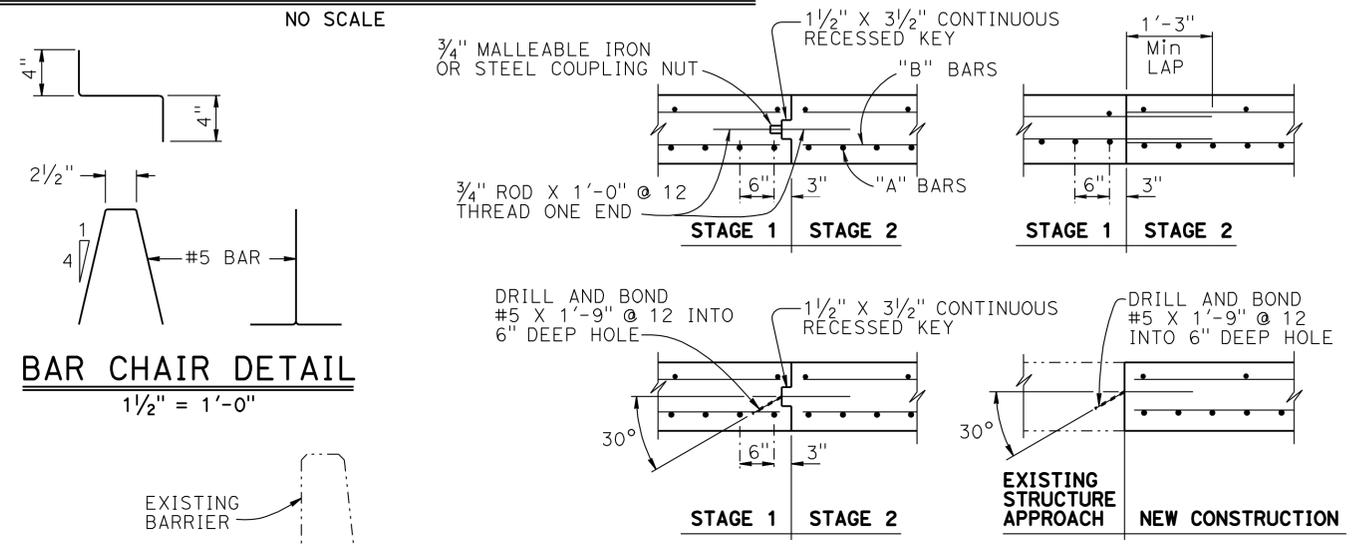
PLAN
1" = 10'



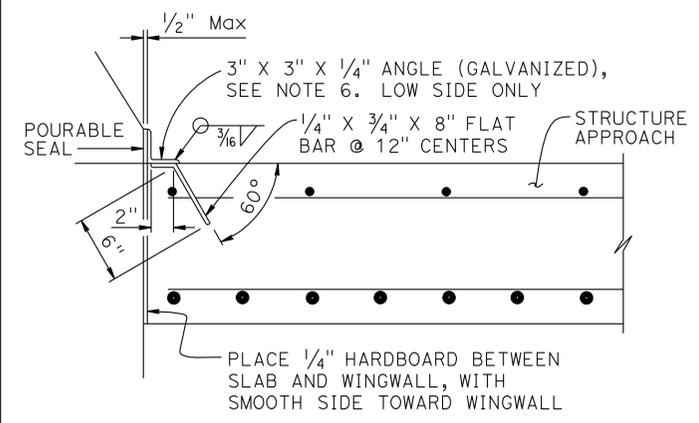
STRUCTURE APPROACH - END STAGGER DETAIL
NO SCALE



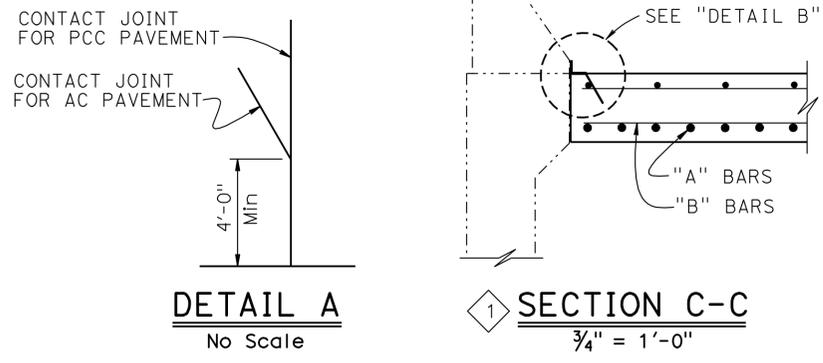
SECTION A-A
3/4" = 1'-0"



LONGITUDINAL CONSTRUCTION JOINT ALTERNATIVES
3/4" = 1'-0"



DETAIL B
1 1/2" = 1'-0"



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

- NOTES:
- Sealed joint, for MR see Structure Plans. Adjust bar reinforcement to clear a sawcut for sealed joint, when required.
 - Longitudinal construction joints, when permitted by Engineer, shall be located on lane lines.
 - Transverse contact joint shall be a minimum of 5'-0" from an existing or constructed weakened plane joint.
 - For transverse contact joint with new PCC paving, refer to Revised Standard Plan RSP P10.
 - Couplers are required for stage construction.
 - End angle at beginning of barrier transition, end of wingwall or end of structure approach as applicable.

SPECIAL DETAILS

REVISED STANDARD DRAWING

FILE NO. **xs3-130**

APPROVAL DATE _____

- 1 DETAIL OR NOTE REVISED
- 2 DETAIL OR NOTE DELETED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE No. VARIOUS
POST MILE VARIES

ROUTE 80, 99 & 160 BRIDGES

STRUCTURE APPROACH TYPE R(30S)