INDEX OF PLANS

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1	TITLE AND LOCATION MAP
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10-14	PAVEMENT DELINEATION PLANS AND QUANTITIES
15-20	REVISED STANDARD PLANS
STRUCTURE PLANS	
21-30	ROUTE 5 BRIDGES

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

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

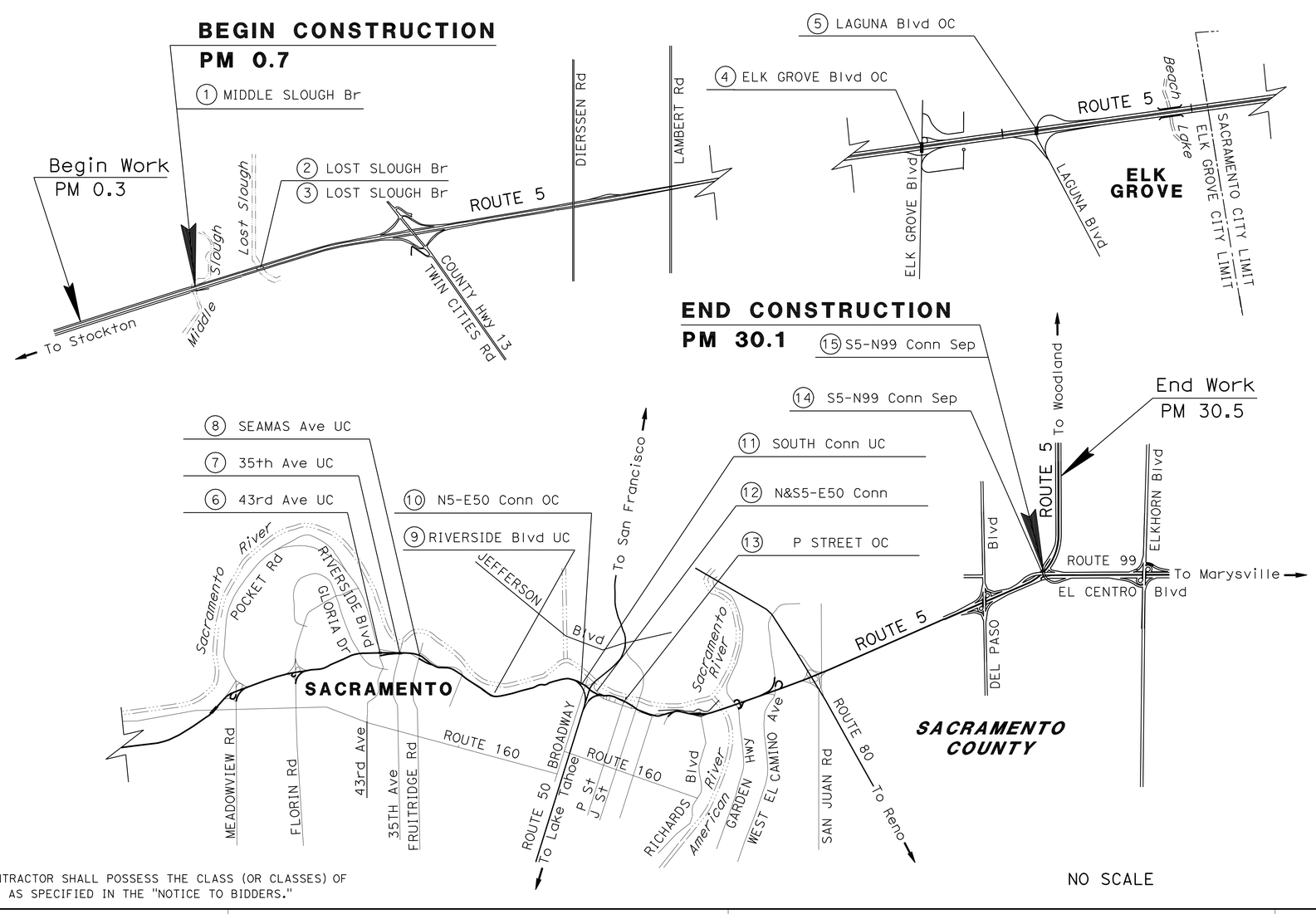
STATE HIGHWAY

IN SACRAMENTO COUNTY AT VARIOUS LOCATIONS FROM MIDDLE SLOUGH BRIDGE TO ROUTE 5/99 CONNECTOR SEPARATION

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	1	30

LOCATION MAP



NO SCALE

LOCATIONS OF CONSTRUCTION

No.	COUNTY	ROUTE	POST MILE	STRUCTURE NAME	BRIDGE No.
1	Sac	5	0.71	MIDDLE SLOUGH Br	24 0260L
2	Sac	5	1.04	LOST SLOUGH Br	24 0261L
3	Sac	5	1.04	LOST SLOUGH Br	24 0261R
4	Sac	5	10.83	ELK GROVE Blvd OC	24 0277
5	Sac	5	12.04	LAGUNA Blvd OC	24 0359
6	Sac	5	18.65	43rd Ave UC	24 0251
7	Sac	5	19.13	35th Ave UC	24 0252
8	Sac	5	19.30	SEAMAS Ave UC	24 0253
9	Sac	5	19.95	RIVERSIDE Blvd UC	24 0255
10	Sac	5	22.41	N5-E50 CONNECTOR OC	24 0269G
11	Sac	5	22.42	SOUTH CONNECTOR UC	24 0267
12	Sac	5	22.5	N&S 5-E50 CONNECTOR	24 0270H
13	Sac	5	23.18	"P" STREET OC	24 0272K
14	Sac	5	30.04	S5-N99 Conn Sep	24 0354F
15	Sac	5	30.11	S5-N99 Conn Sep	24 0353F

PROJECT MANAGER: BRIAN TOEPFER

DESIGN ENGINEER: BRIAN TOEPFER

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

James M. Ferreira 11-30-09
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

January 25, 2010
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JIM FERREIRA — No. 48257 — Exp. 6/30/10 — 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.

CONTRACT No. 03-3M3404

LAST REVISION: 00-00-00
DATE PLOTTED => 26-JAN-2010
TIME PLOTTED => 05:38

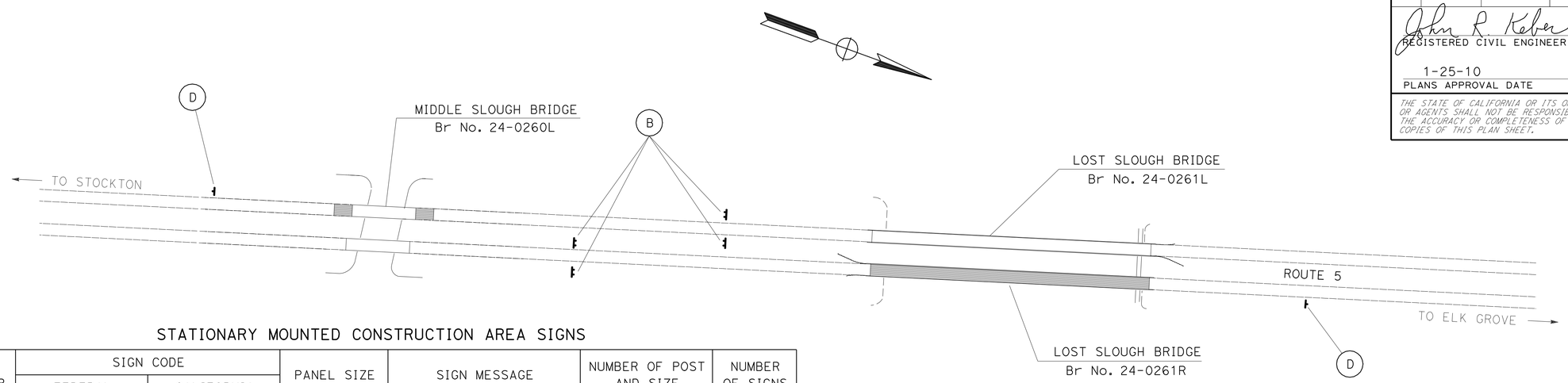
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	2	30

John R. Keber 12-1-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
John R. Keber
No. 40048
Exp. 12-31-11
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.

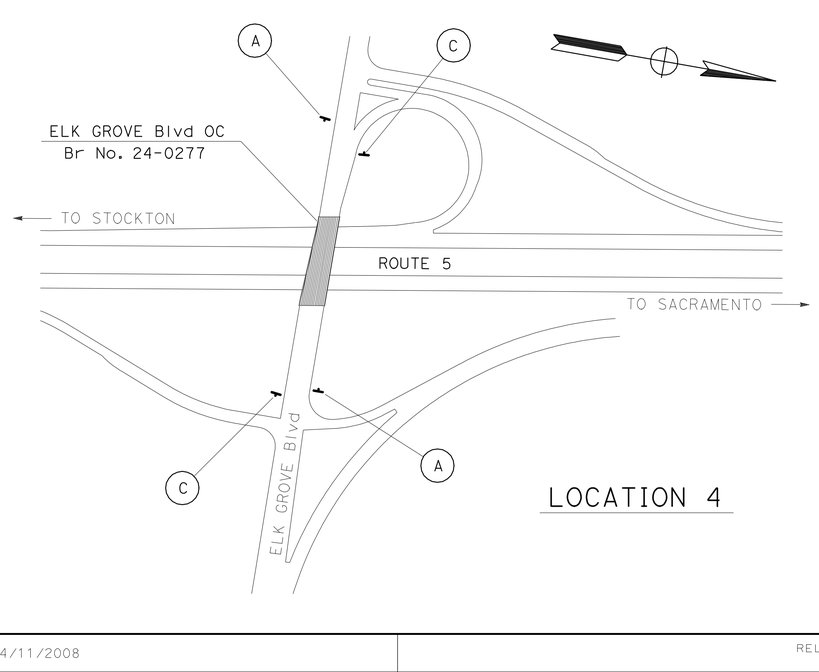


STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

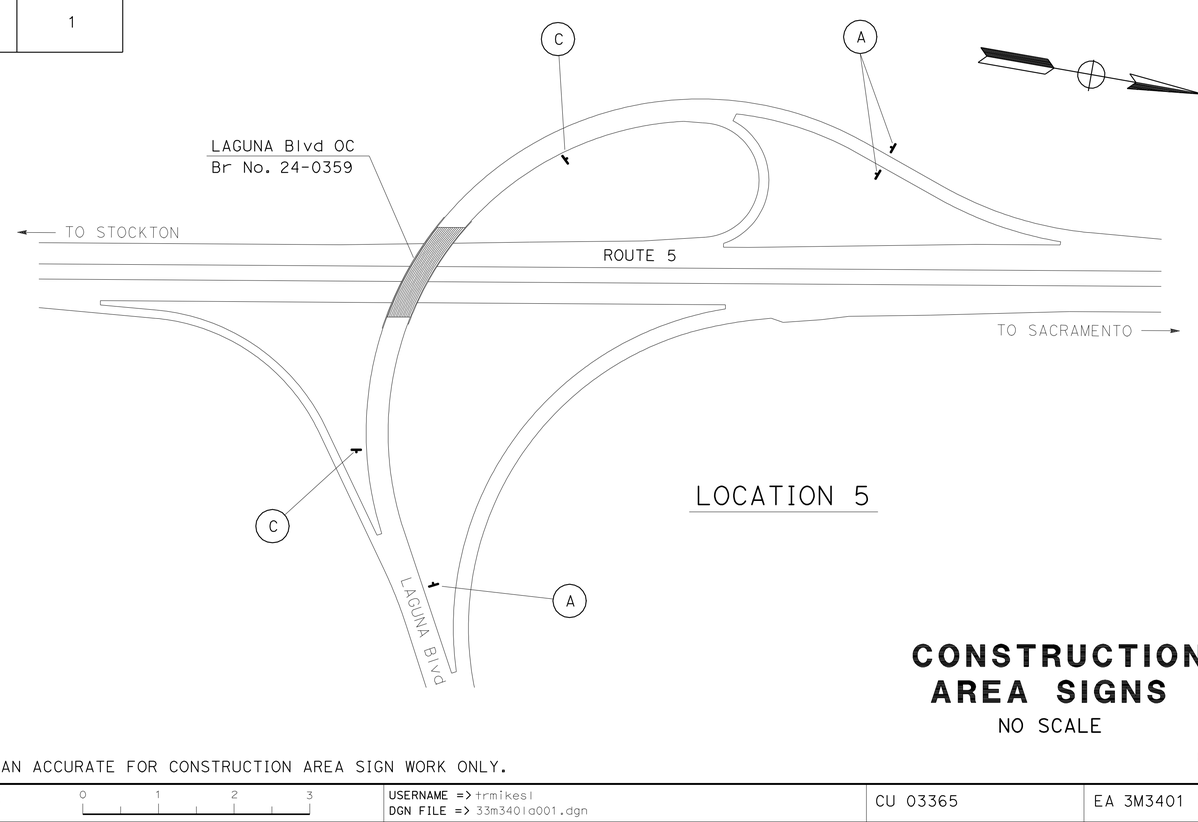
SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
A	W20-1	C23	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	14
B	W20-1	C23	60" x 60"	ROAD WORK AHEAD	2 - 4" x 6"	16
C	G20-2	C14	36" x 18"	END ROAD WORK	1 - 4" x 4"	10
D		C14	48" x 24"	END ROAD WORK	1 - 4" x 6"	7
E		C14	48" x 24"	END ROAD WORK	SSBM	1

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

LOCATIONS 1 AND 3



LOCATION 4



LOCATION 5

CONSTRUCTION AREA SIGNS

NO SCALE

NOTE: THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

CS-1

REVISED BY | DATE REVISED
CHUCK COOK | JOHN KEBER
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: SHAUN A. RICE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

LAST REVISION 11-24-09 | DATE PLOTTED => 26-JAN-2010 | TIME PLOTTED => 05:39

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trmikesl | DGN FILE => 33m3401a001.dgn | CU 03365 | EA 3M3401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	3	30

John R. Keber 12-1-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
John R. Keber
No. 40048
Exp. 12-31-11
CIVIL
STATE OF CALIFORNIA

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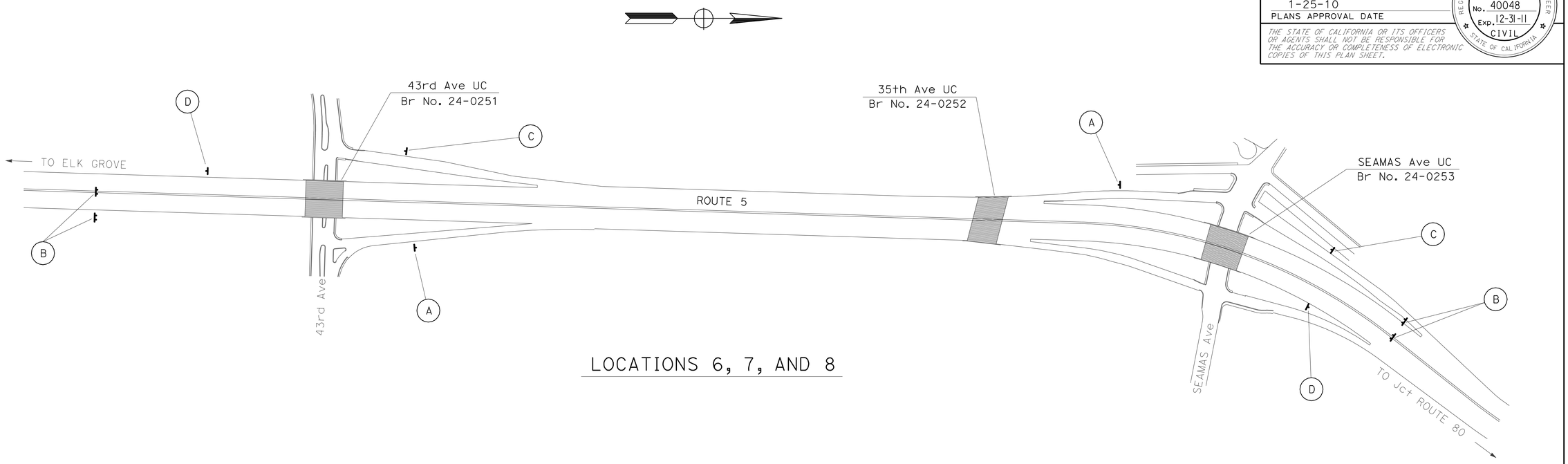
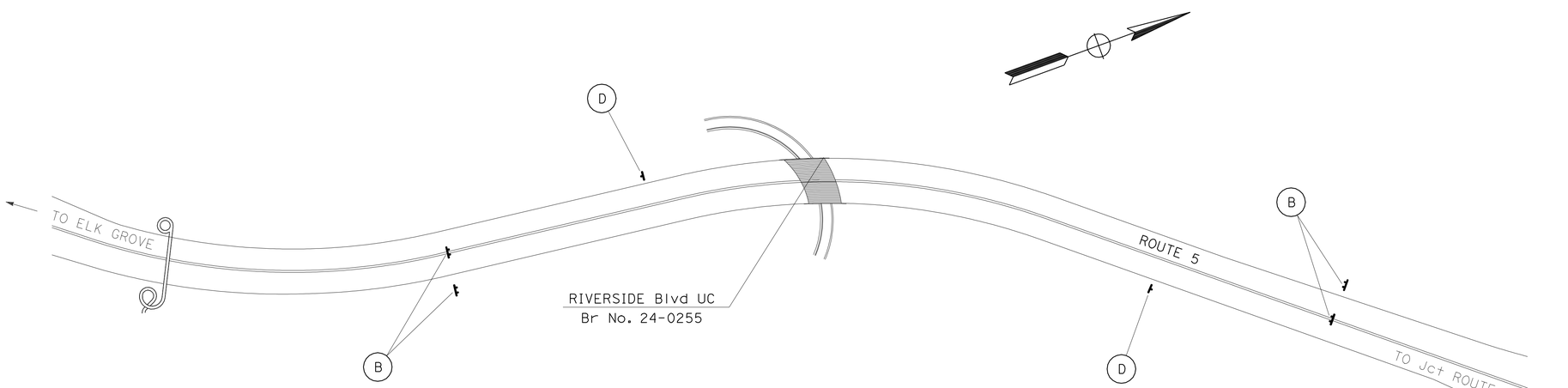


LOCATIONS 6, 7, AND 8



LOCATION 9

CONSTRUCTION AREA SIGNS

NO SCALE

CS-2

NOTE: THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

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BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trmikesl | DGN FILE => 33m3401a002.dgn | CU 03365 | EA 3M3401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	4	30

John R. Keber 12-1-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — John R. Keber No. 40048 Exp. 12-31-11 CIVIL — STATE OF CALIFORNIA

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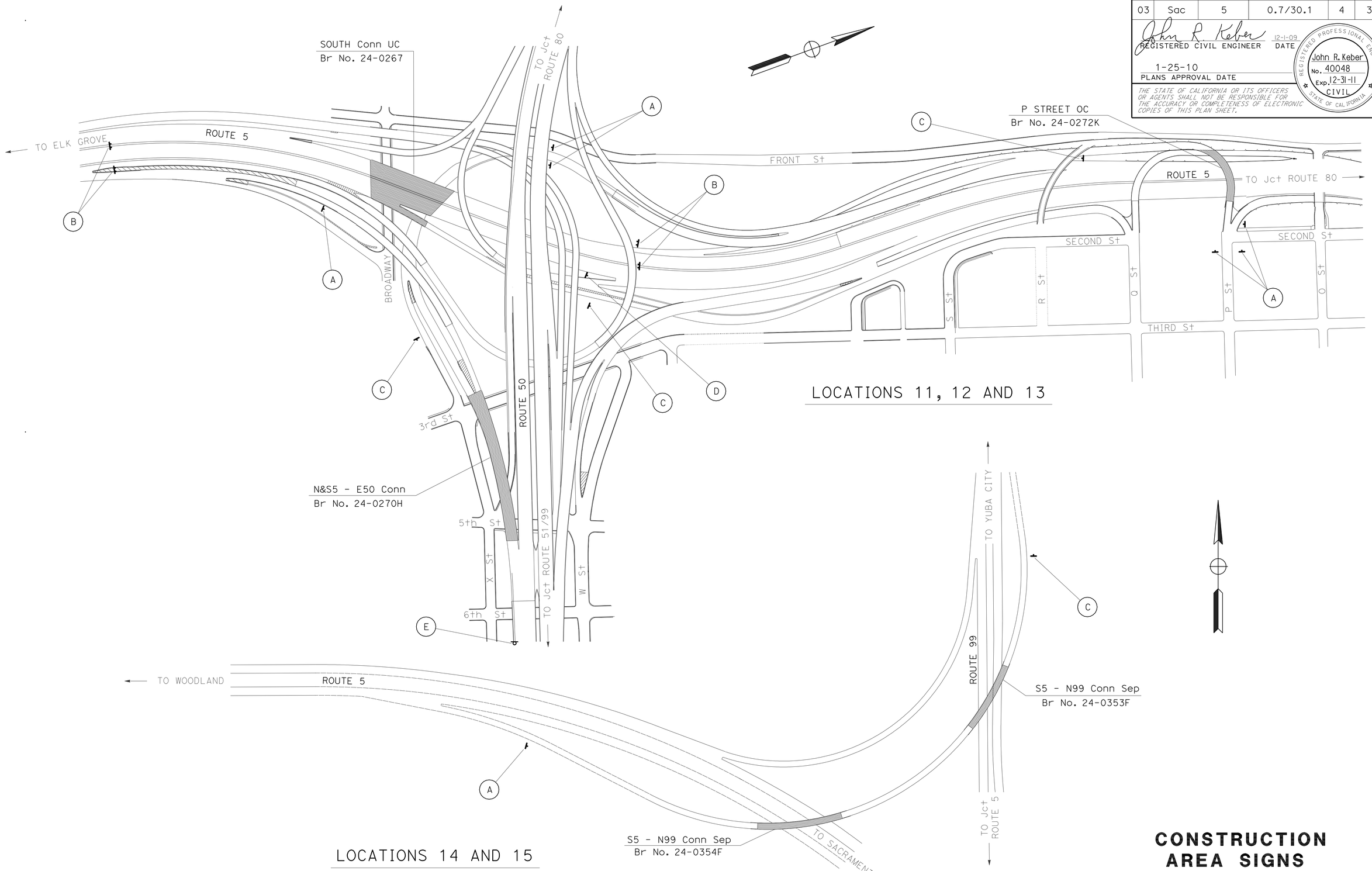

NOTE: THIS PLAN ACCURATE FOR CONSTRUCTIONS AREA SIGN WORK ONLY.

CONSTRUCTION AREA SIGNS

NO SCALE

CS-3

CHUCK COOK — CALCULATED-DESIGNED BY
JOHN KEBER — CHECKED BY
REVISED BY — DATE REVISED
FUNCTIONAL SUPERVISOR: SHAUN A. RICE
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RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmikesl
DGN FILE => 33m3401a003.dgn

CU 03365

EA 3M3401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	5	30

James M. Ferreira 11-30-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JIM FERREIRA
No. 48257
Exp 6/30/10
CIVIL
STATE OF CALIFORNIA

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

NOTES

1. THIS PLAN ACCURATE FOR DETOUR CONSTRUCTION WORK ONLY.
2. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER, INCLUDING PCMS.
3. ALL SIGN CODES SHOWN ARE FEDERAL SIGN CODES UNLESS OTHERWISE DESIGNATED AS CALIFORNIA SIGN CODE.
4. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

ABBREVIATIONS

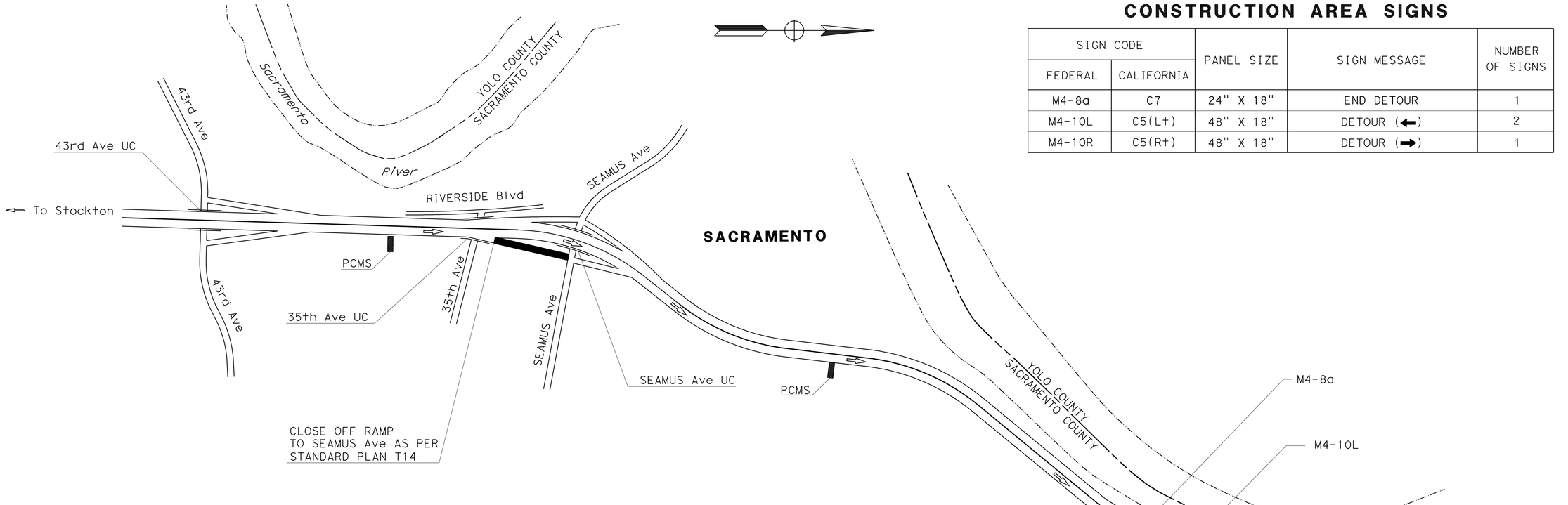
PCMS = PORTABLE CHANGEABLE MESSAGE SIGN

LEGEND

<CA>	CALIFORNIA SIGN CODE
↿	SIGN
⇨	DIRECTION OF TRAVEL

CONSTRUCTION AREA SIGNS

SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF SIGNS
FEDERAL	CALIFORNIA			
M4-8a	C7	24" X 18"	END DETOUR	1
M4-10L	C5(L†)	48" X 18"	DETOUR (⇦)	2
M4-10R	C5(R†)	48" X 18"	DETOUR (⇨)	1



DETOUR FOR CLOSURE OF
NB ROUTE 5 SEAMUS AVENUE OFF-RAMP

DETOUR PLAN

NO SCALE **DE-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE
FUNCTIONAL SUPERVISOR: BRIAN TOEPFER
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
JIM FERREIRA
JOHN KEBER

LAST REVISION 00-00-00
DATE PLOTTED => 26-JAN-2010
TIME PLOTTED => 05:39

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 33m340mg001.dgn
CU 03604
EA 3M3401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	6	30

James M. Ferreira 11-30-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JIM FERREIRA
No. 48257
Exp 6/30/10
CIVIL
STATE OF CALIFORNIA

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

NOTES

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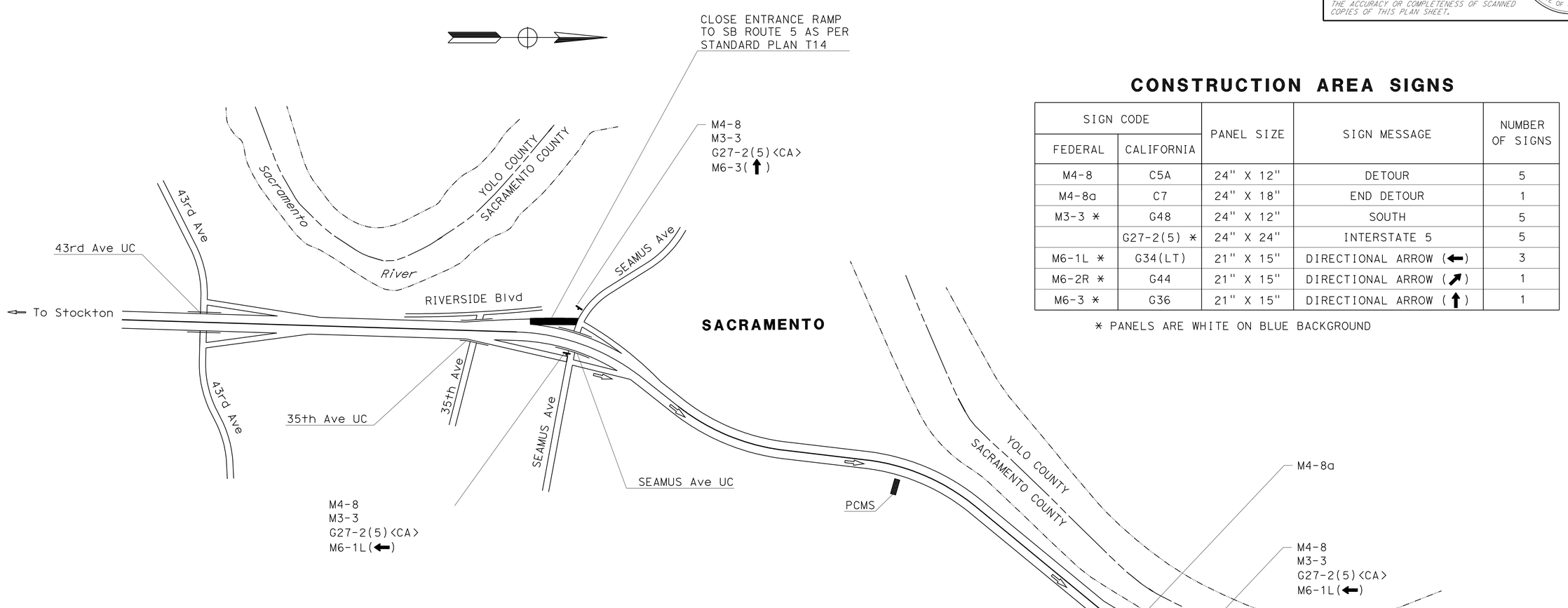

CONSTRUCTION AREA SIGNS

SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF SIGNS
FEDERAL	CALIFORNIA			
M4-8	C5A	24" X 12"	DETOUR	5
M4-8a	C7	24" X 18"	END DETOUR	1
M3-3 *	G48	24" X 12"	SOUTH	5
	G27-2(5) *	24" X 24"	INTERSTATE 5	5
M6-1L *	G34(LT)	21" X 15"	DIRECTIONAL ARROW (←)	3
M6-2R *	G44	21" X 15"	DIRECTIONAL ARROW (↗)	1
M6-3 *	G36	21" X 15"	DIRECTIONAL ARROW (↑)	1

* PANELS ARE WHITE ON BLUE BACKGROUND

DETOUR FOR CLOSURE OF
SB ROUTE 5 SEAMUS AVENUE ON-RAMP

DETOUR PLAN

NO SCALE **DE-2**

REVISED BY	DATE REVISED

CALCULATED-
DESIGNED BY JIM FERREIRA

CHECKED BY JOHN KEBER

FUNCTIONAL SUPERVISOR BRIAN TOEPFER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

LAST REVISION 00-00-00
DATE PLOTTED => 26-JAN-2010
TIME PLOTTED => 05:39

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmikesl
DGN FILE => 33m340mg002.dgn

CU 03604

EA 3M3401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	7	30

James M. Ferreira 11-30-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JIM FERREIRA
No. 48257
Exp 6/30/10
CIVIL
STATE OF CALIFORNIA

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NOTES

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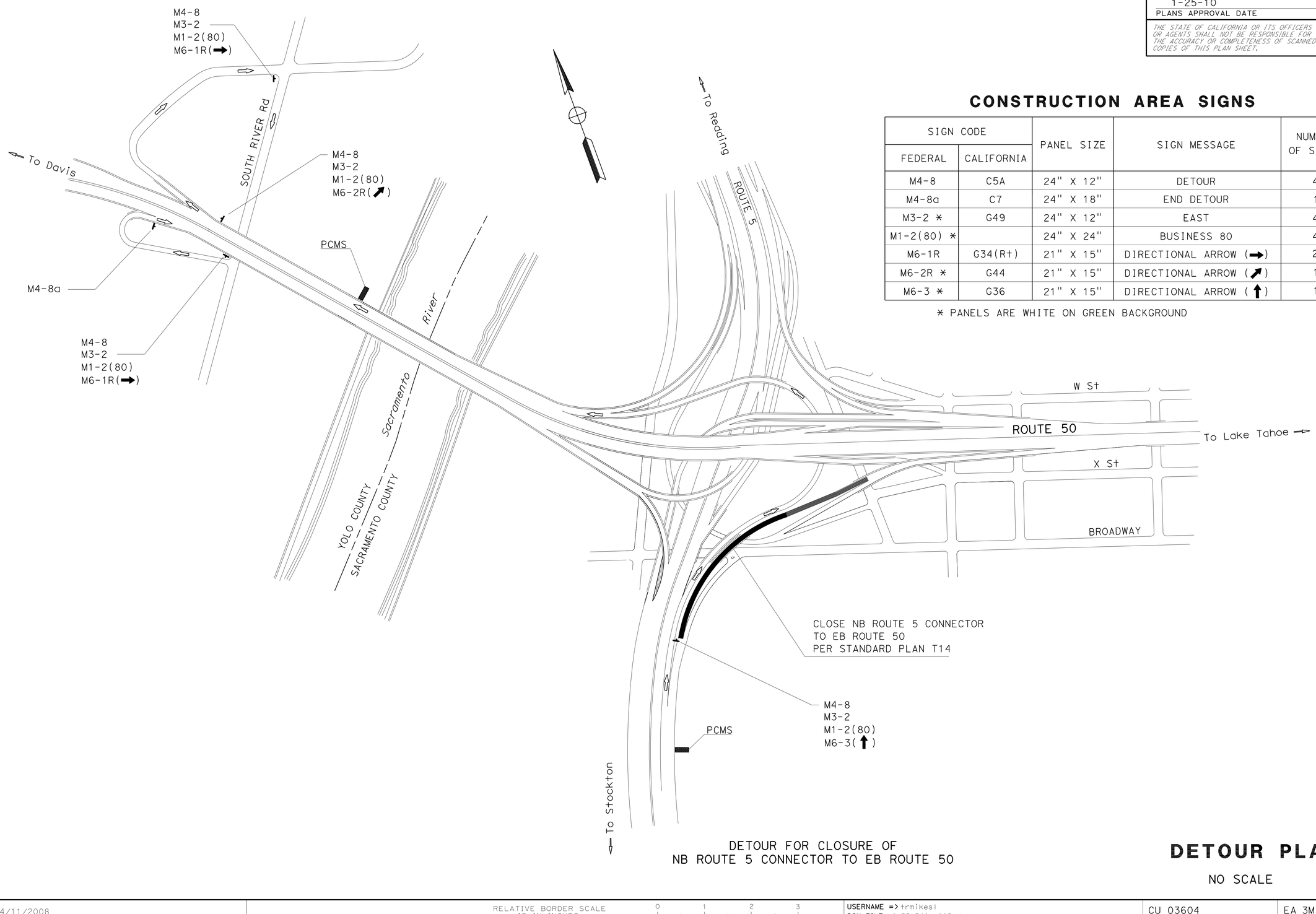

DETOUR FOR CLOSURE OF
NB ROUTE 5 CONNECTOR TO EB ROUTE 50

CONSTRUCTION AREA SIGNS

SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF SIGNS
FEDERAL	CALIFORNIA			
M4-8	C5A	24" X 12"	DETOUR	4
M4-8a	C7	24" X 18"	END DETOUR	1
M3-2 *	G49	24" X 12"	EAST	4
M1-2(80) *		24" X 24"	BUSINESS 80	4
M6-1R	G34(R†)	21" X 15"	DIRECTIONAL ARROW (➡)	2
M6-2R *	G44	21" X 15"	DIRECTIONAL ARROW (➚)	1
M6-3 *	G36	21" X 15"	DIRECTIONAL ARROW (⬆)	1

* PANELS ARE WHITE ON GREEN BACKGROUND

DETOUR PLAN

NO SCALE **DE-3**

CALCULATED-
DESIGNED BY JIM FERREIRA
CHECKED BY JOHN KEBER

REVISED BY
DATE REVISED

FUNCTIONAL SUPERVISOR BRIAN TOEPFER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

LAST REVISION DATE PLOTTED => 26-JAN-2010
00-00-00 TIME PLOTTED => 05:39

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	8	30

James M. Ferreira 11-30-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JIM FERREIRA
No. 48257
Exp 6/30/10
CIVIL
STATE OF CALIFORNIA

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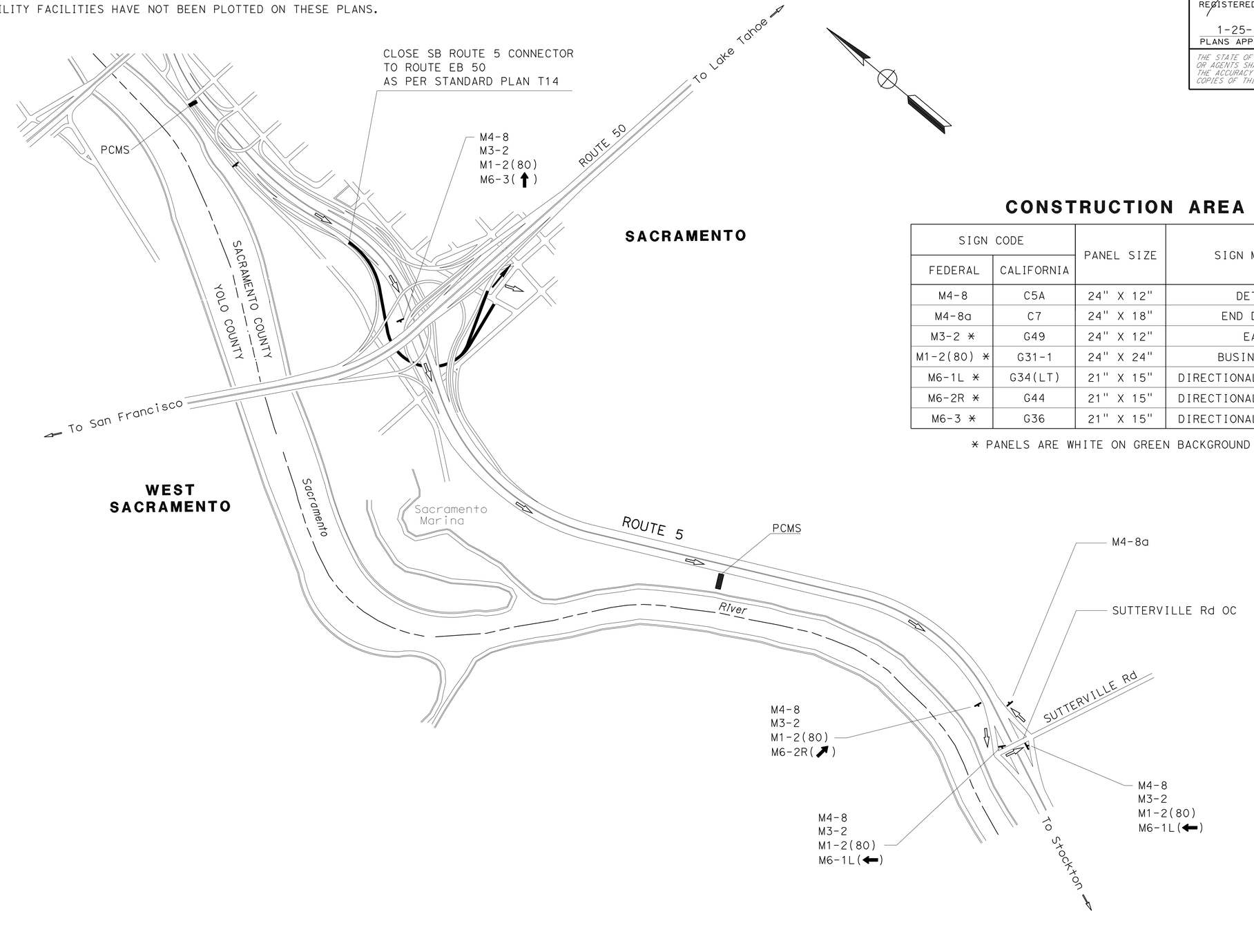
NOTES

1. THIS PLAN ACCURATE FOR DETOUR CONSTRUCTION WORK ONLY.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.



CONSTRUCTION AREA SIGNS

SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF SIGNS
FEDERAL	CALIFORNIA			
M4-8	C5A	24" X 12"	DETOUR	4
M4-8a	C7	24" X 18"	END DETOUR	1
M3-2 *	G49	24" X 12"	EAST	4
M1-2(80) *	G31-1	24" X 24"	BUSINESS 80	4
M6-1L *	G34(LT)	21" X 15"	DIRECTIONAL ARROW (←)	2
M6-2R *	G44	21" X 15"	DIRECTIONAL ARROW (↗)	1
M6-3 *	G36	21" X 15"	DIRECTIONAL ARROW (↑)	1

* PANELS ARE WHITE ON GREEN BACKGROUND

DETOUR FOR CLOSURE OF
SB ROUTE 5 CONNECTOR TO EB ROUTE 50

DETOUR PLAN

NO SCALE **DE-4**

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: JIM FERREIRA
CHECKED BY: JOHN KEBER
FUNCTIONAL SUPERVISOR: BRIAN TOEPFER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
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LAST REVISION 00-00-00 | DATE PLOTTED => 26-JAN-2010 | TIME PLOTTED => 05:39

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmikesl
DGN FILE => 33m340mg004.dgn

CU 03604

EA 3M3401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	9	30

James M. Ferreira 11-30-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
JIM FERREIRA
No. 48257
Exp 6/30/10
CIVIL
STATE OF CALIFORNIA

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

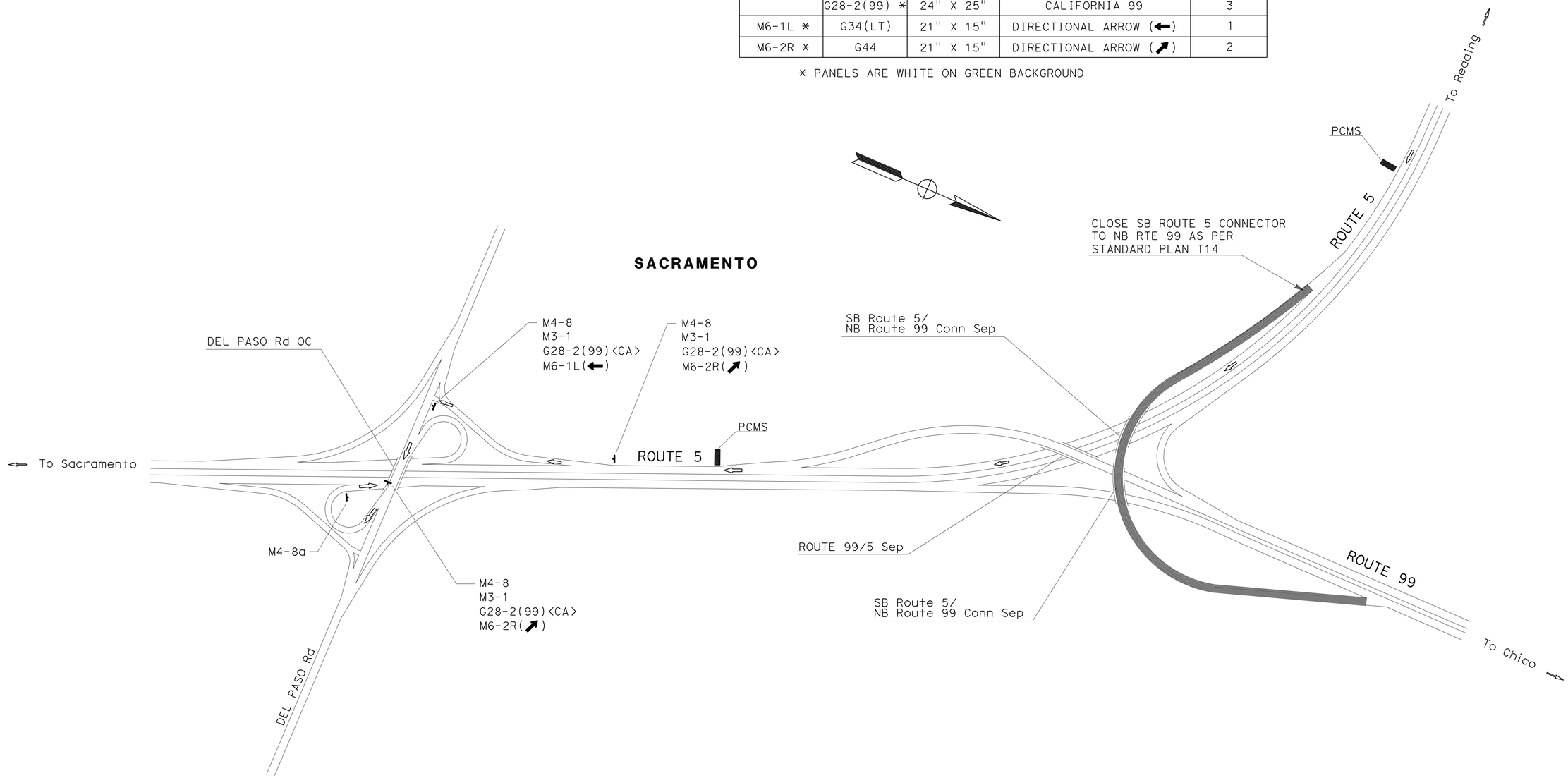
NOTES

1. THIS PLAN ACCURATE FOR DETOUR CONSTRUCTION WORK ONLY.
2. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.

CONSTRUCTION AREA SIGNS

SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF SIGNS
FEDERAL	CALIFORNIA			
M4-8	C5A	24" X 12"	DETOUR	3
M4-8a	C7	24" X 18"	END DETOUR	1
M3-1 *	G47	24" X 12"	NORTH	3
	G28-2(99) *	24" X 25"	CALIFORNIA 99	3
M6-1L *	G34(LT)	21" X 15"	DIRECTIONAL ARROW (←)	1
M6-2R *	G44	21" X 15"	DIRECTIONAL ARROW (↗)	2

* PANELS ARE WHITE ON GREEN BACKGROUND



DETOUR FOR CLOSURE OF
SB ROUTE 5 CONNECTOR SEPARATION TO NB ROUTE 99

DETOUR PLAN

NO SCALE **DE-5**

REVISED BY | DATE REVISED
JIM FERREIRA | JOHN KEBER
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BRIAN TOEPFER
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE
Caltrans

LAST REVISION | DATE PLOTTED => 26-JAN-2010
00-00-00 | TIME PLOTTED => 05:40

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trmikesl | DGN FILE => 33m340mg005.dgn | CU 03604 | EA 3M3401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	10	30

John R. Keber 12-1-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
John R. Keber
No. 40048
Exp. 12-31-11
CIVIL
STATE OF CALIFORNIA

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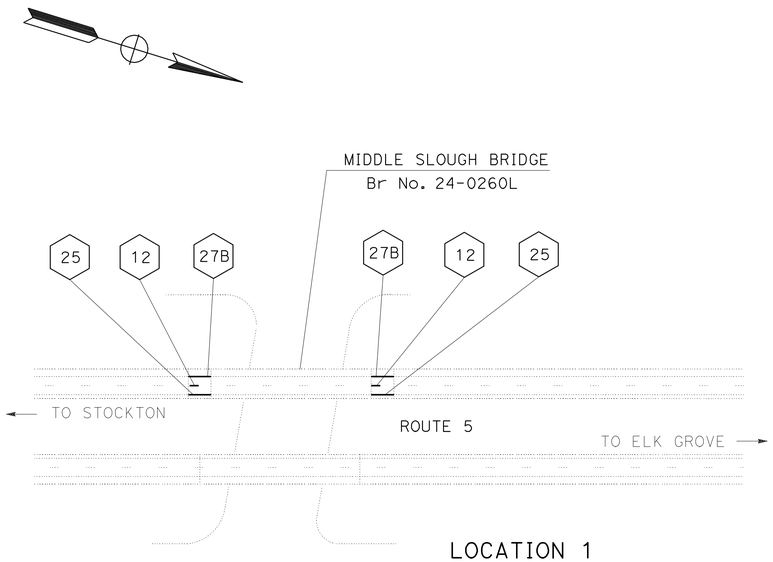
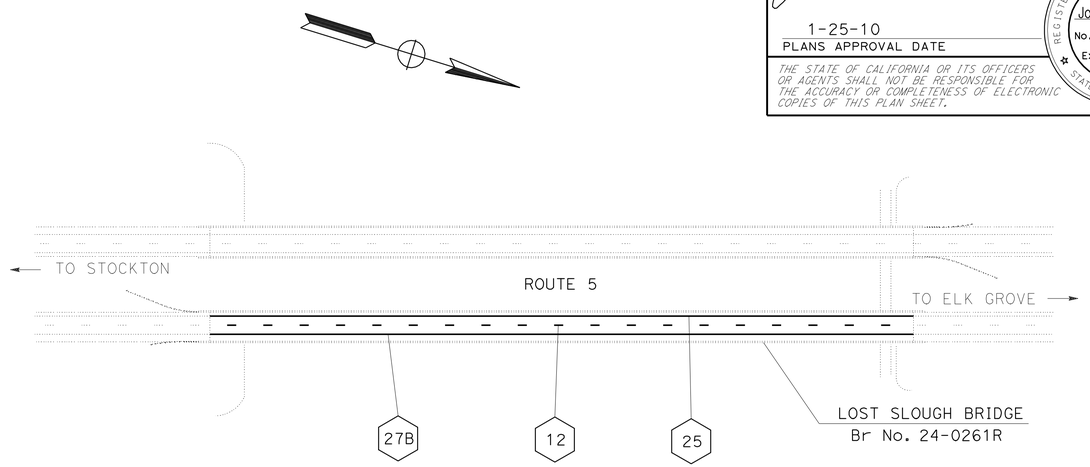
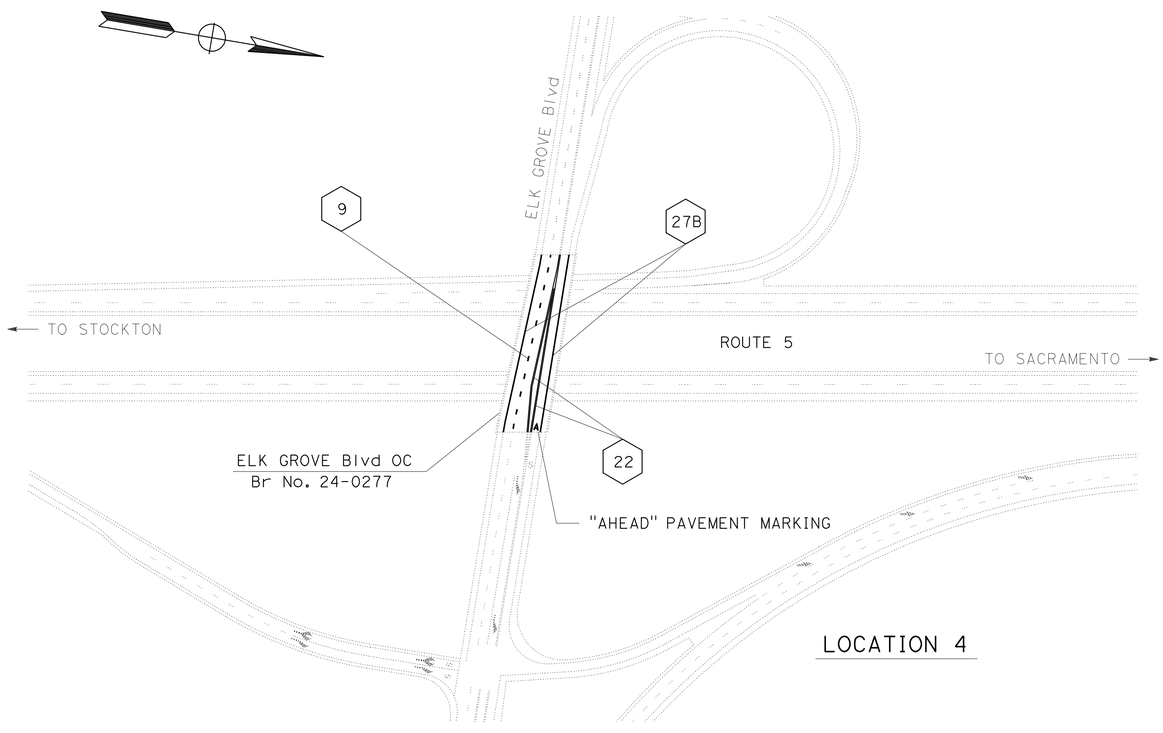


LOCATION 1



LOCATION 3



LOCATION 4

LEGEND

- CHANGE IN STRIPING PATTERN
- No. — PAVEMENT DELINEATION DETAIL NUMBER
- Dia — 12" WHITE DIAGONAL PAVEMENT MARKING
- Chv — 12" WHITE CHEVRON PAVEMENT MARKING
- A — "AHEAD" PAVEMENT MARKING
- DELINEATOR (CLASS 1, SURFACED MOUNTED)

PAVEMENT DELINEATION PLAN

NO SCALE

PD-1

NOTE: THIS PLAN ACCURATE FOR PAVEMENT DELINEATION ONLY.

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY
CHECKED BY
CHUCK COOK
JOHN KEBER
FUNCTIONAL SUPERVISOR
SHAUN A. RICE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC

LAST REVISION 11-24-09
DATE PLOTTED => 26-JAN-2010
TIME PLOTTED => 05:40

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 33m340na001.dgn
CU 03365
EA 3M3401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	11	30

John R. Keber — REGISTERED CIVIL ENGINEER — 12-1-09 DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — John R. Keber — No. 40048 — Exp. 12-31-11 — CIVIL — STATE OF CALIFORNIA

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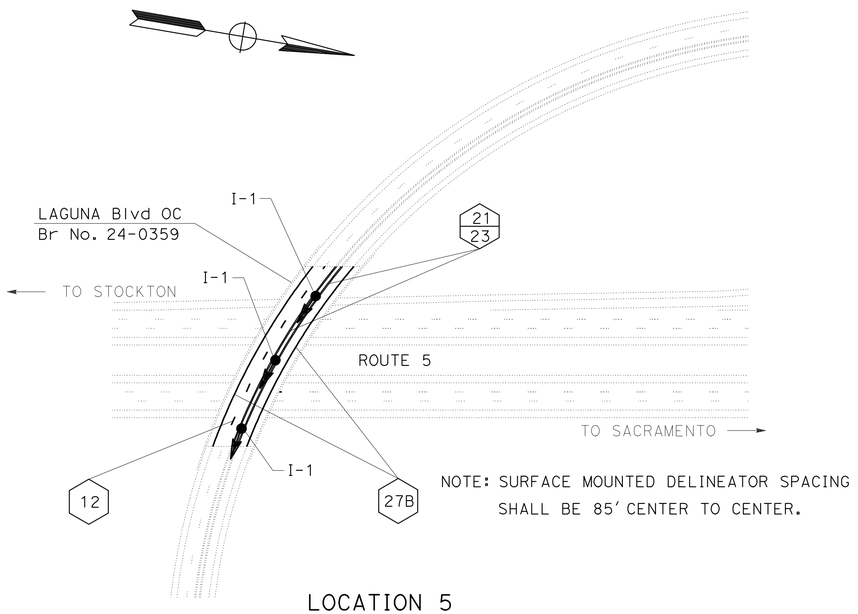
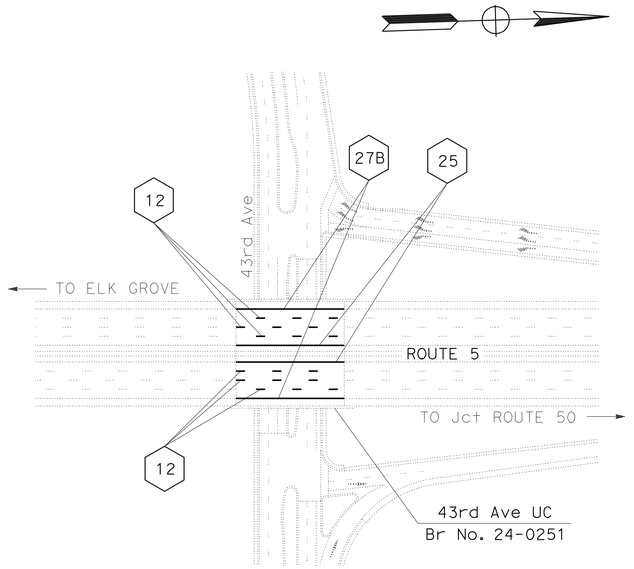
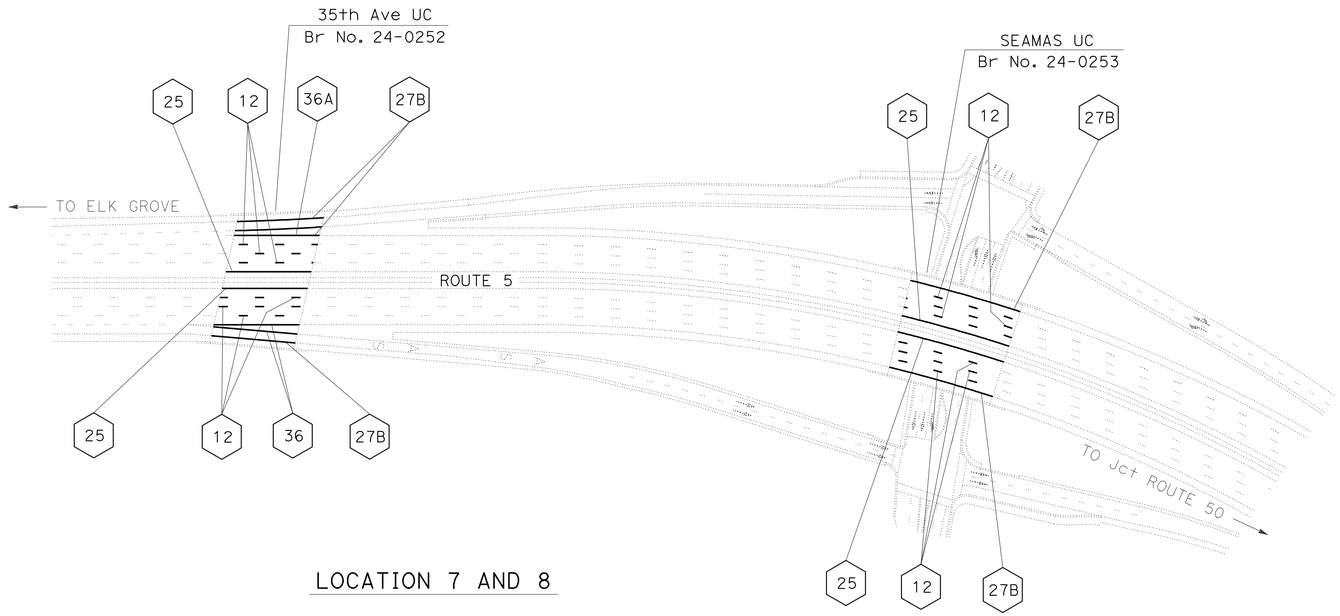


NOTE: SURFACE MOUNTED DELINEATOR SPACING SHALL BE 85' CENTER TO CENTER.

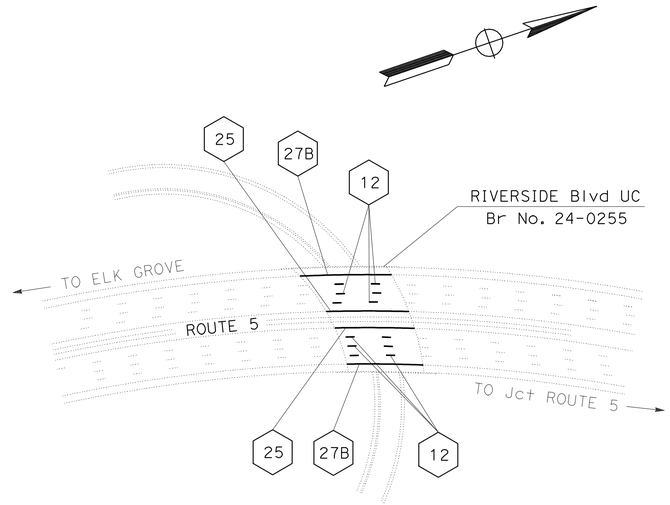
LOCATION 5



LOCATION 6



LOCATION 7 AND 8



LOCATION 9

PAVEMENT DELINEATION PLAN

NO SCALE

PD-2

NOTE: THIS PLAN ACCURATE FOR PAVEMENT DELINEATION ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

FUNCTIONAL SUPERVISOR: SHAUN A. RICE
CALCULATED-DESIGNED BY:
CHECKED BY:
CHUCK COOK
JOHN KEBER
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 26-JAN-2010 | 11-24-09 | TIME PLOTTED => 05:40

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmikesl
DGN FILE => 33m340na002.dgn

CU 03365

EA 3M3401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	12	30

John R. Keber 12-1-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
John R. Keber
No. 40048
Exp. 12-31-11
CIVIL
STATE OF CALIFORNIA

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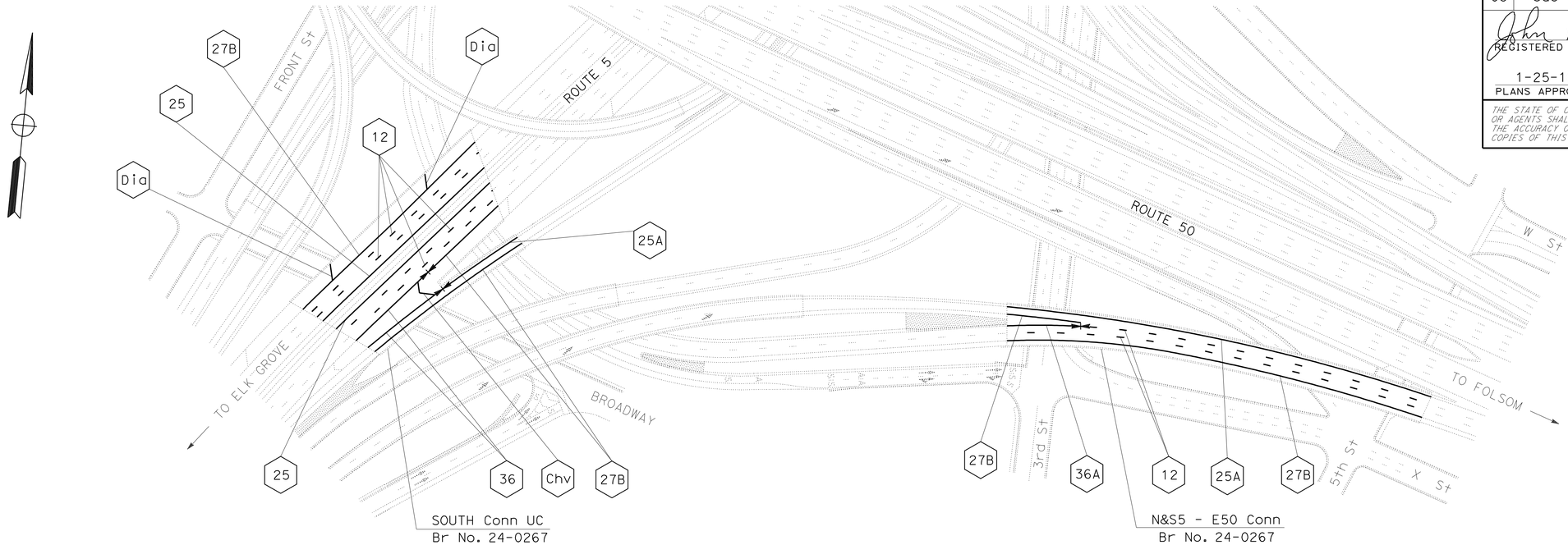
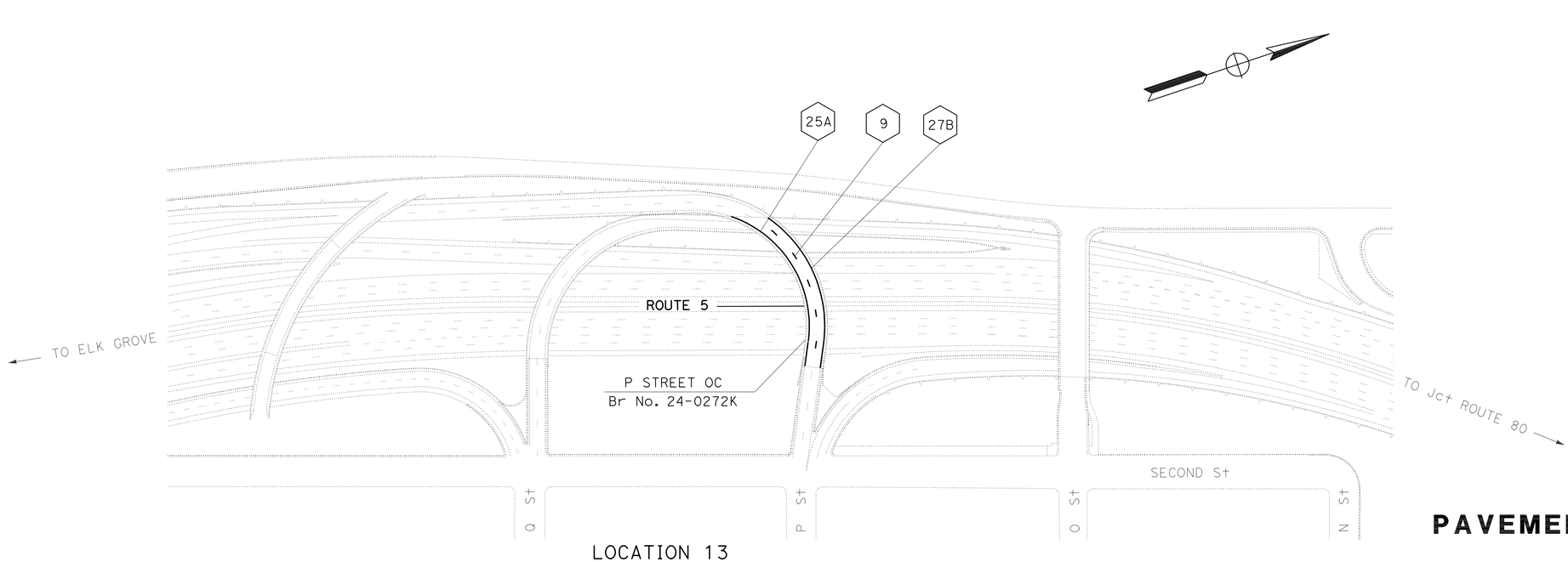


LOCATIONS 11 AND 12



LOCATION 13

NOTE: THIS PLAN ACCURATE FOR PAVEMENT DELINEATION ONLY.

PAVEMENT DELINEATION PLAN

NO SCALE

PD-3

CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
CHUCK COOK
JOHN KEBER
FUNCTIONAL SUPERVISOR
SHAUN A. RICE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

LAST REVISION 11-24-09
DATE PLOTTED => 26-JAN-2010
TIME PLOTTED => 05:40

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 33m340na003.dgn
CU 03365
EA 3M3401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	13	30

John R. Keber 12-1-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
John R. Keber
No. 40048
Exp. 12-31-11
CIVIL
STATE OF CALIFORNIA

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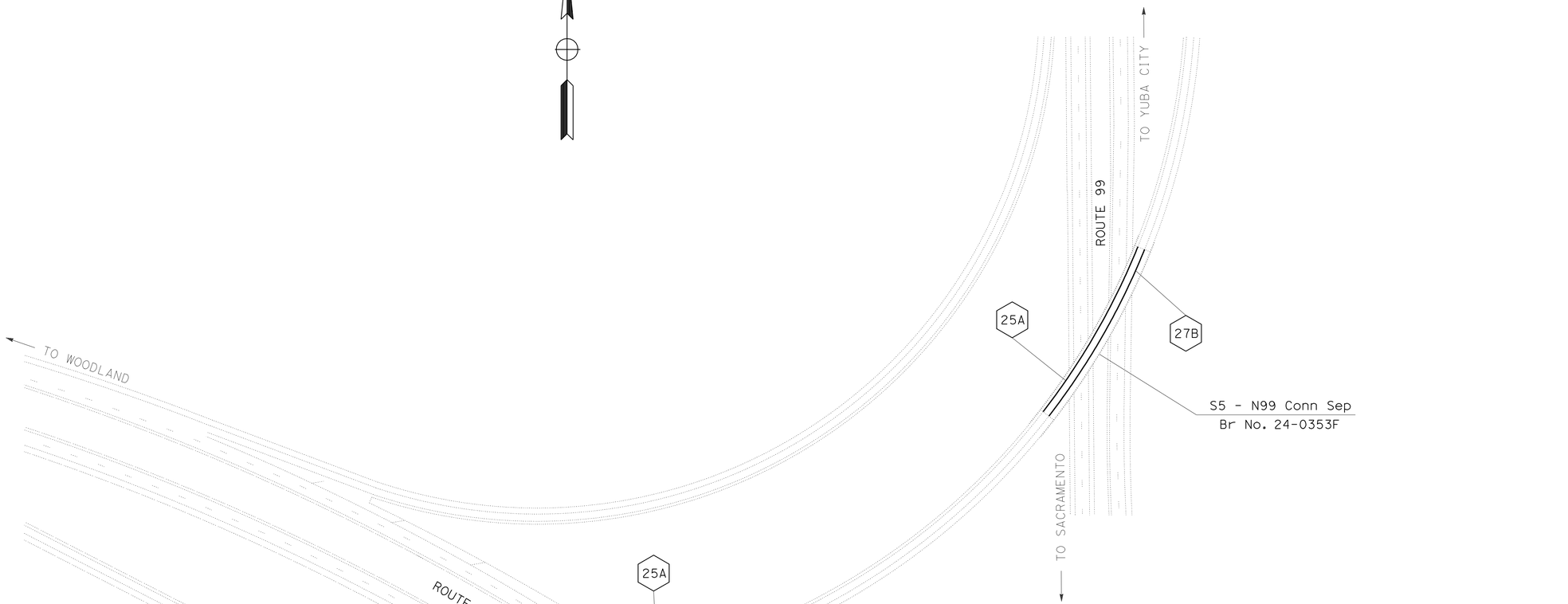


LOCATIONS 14 AND 15

PAVEMENT DELINEATION PLAN

NO SCALE

NOTE: THIS PLAN ACCURATE FOR PAVEMENT DELINEATION ONLY.

PD-4

CALCULATED-DESIGNED BY	CHUCK COOK
CHECKED BY	JOHN KEBER
FUNCTIONAL SUPERVISOR	SHAUN A. RICE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	TRAFFIC
REVISED BY	
DATE REVISED	

LAST REVISION 11-24-09
DATE PLOTTED => 26-JAN-2010
TIME PLOTTED => 05:40

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 33m340na004.dgn
CU 03365
EA 3M3401

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5	0.7/30.1	14	30

John R. Keber 12-1-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
John R. Keber
No. 40048
Exp. 12-31-11
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.

4" THERMOPLASTIC TRAFFIC STRIPE

LOCATION	DETAIL NUMBER					
	12	21	22	25	25A	27B
	LF	LF	LF	LF	LF	LF
1	60			60		60
3	930			930		930
4			952			476
5	277	1,108				554
6	858			286		286
7	678			226		339
8	912			304		304
9	648			216		216
11	1,500			750	146	838
12	1,239				679	799
13					668	668
14					345	345
15					327	327
SUBTOTAL	7,102	1,108	952	2,772	2,165	6,142
TOTAL	20,241					

PAVEMENT MARKER

LOCATION NUMBER	RETROREFLECTIVE			NON-REFLECTIVE
	TYPE D (EACH)	TYPE G (EACH)	TYPE H (EACH)	TYPE AY (EACH)
1		3	3	
3		21	21	
4	42	6		
5	44	7		210
6		19	7	
7		33	6	
8		20	8	
9		15	6	
11		48	17	
12		33	30	
13		15	29	
14			16	
15			15	
SUBTOTAL	86	220	158	210
TOTAL	464			210

NOTE: DETAIL 23 SHALL BE PLACED ON DETAIL 21.

4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)

LOCATION	DETAIL NUMBER
	9
	LF
4	238
13	668
TOTAL	906

8" THERMOPLASTIC TRAFFIC STRIPE

LOCATION	DETAIL NUMBER	
	36	36A
	LF	LF
7	226	113
11	314	
12		119
SUBTOTAL	540	232
TOTAL	772	

DELINEATOR

LOCATION	DELINEATOR (CLASS 1, SURFACE MOUNTED)
	TYPE I-1 (EACH)
5	3
TOTAL	3

NOTE: THE RETROREFLECTIVE SHEETING USED ON BACK OF THE DELINEATOR SHALL BE A MINIMUM SIZE OF 3" X 12".

REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)

LOCATION NUMBER	CENTERLINE	LEFT EDGELINE
	LF	LF
3		930
4	952	
5	1,108	
6		286
7		226
8		304
9		216
11		896
12		679
13		668
14		345
15		327
SUBTOTAL	2,060	4,877
TOTAL	6,937	

REMOVE THERMOPLASTIC TRAFFIC STRIPE

LOCATION NUMBER	LANELINE	RIGHT EDGELINE	CHANNELIZING LINE
	LF	LF	LF
3	240	930	
4	70	476	
5	72	554	
6	216	286	
7	180	339	678
8	228	304	
9	168	216	
11	384	838	628
12	312	799	238
13	196	668	
14		345	
15		327	
SUBTOTAL	2,066	6,082	1,544
TOTAL	9,692		

THERMOPLASTIC PAVEMENT MARKING

LOCATION NUMBER	"AHEAD"	12" WHITE DIAGONAL	12" WHITE CHEVRON
	SQFT	SQFT	SQFT
4	31		
11		53	45
SUBTOTAL	31	53	45
TOTAL	129		

REMOVE THERMOPLASTIC PAVEMENT MARKING

LOCATION NUMBER	"AHEAD"	12" WHITE DIAGONAL	12" WHITE CHEVRON
	SQFT	SQFT	SQFT
4	31		
11		53	45
SUBTOTAL	31	53	45
TOTAL	129		

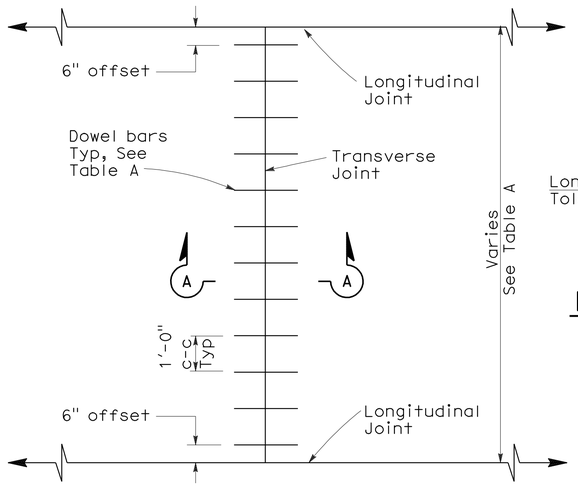
PAVEMENT DELINEATION QUANTITIES

PDQ-1

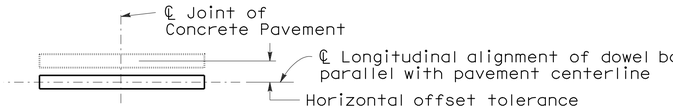
REVISED BY | DATE REVISED
CHUCK COOK | JOHN KEBER
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: SHAUN A. RICE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

LAST REVISION 11-24-09 | DATE PLOTTED => 26-JAN-2010 | TIME PLOTTED => 05:41

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trmikesl | DGN FILE => 33m340nc001.dgn | CU 03365 | EA 3M3401

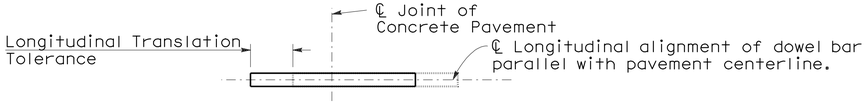


TRANSVERSE JOINT
DOWEL BAR LAYOUT



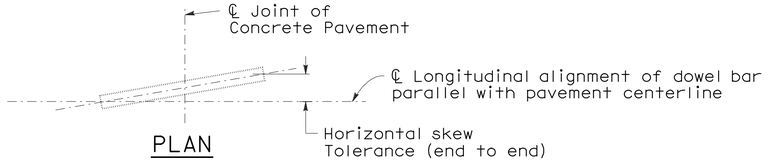
PLAN

HORIZONTAL OFFSET TOLERANCE



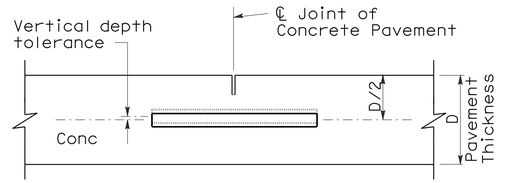
PLAN

LONGITUDINAL TRANSLATION TOLERANCE



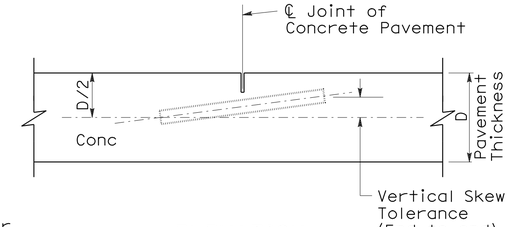
PLAN

HORIZONTAL SKEW TOLERANCE



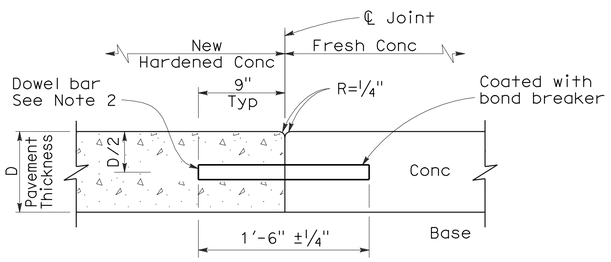
ELEVATION

VERTICAL DEPTH TOLERANCE



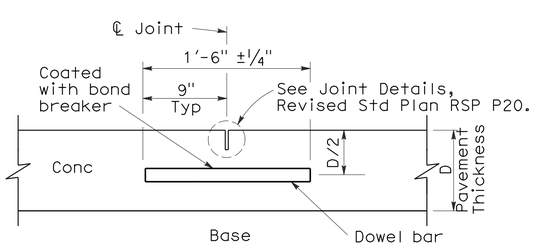
ELEVATION

VERTICAL SKEW TOLERANCE

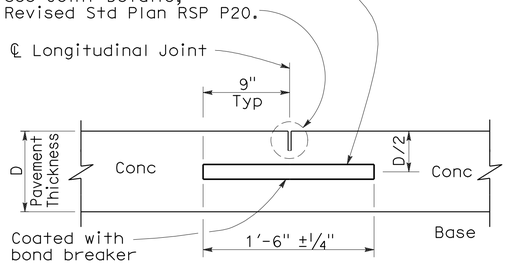


SECTION A-A

TRANSVERSE CONSTRUCTION JOINT DETAIL

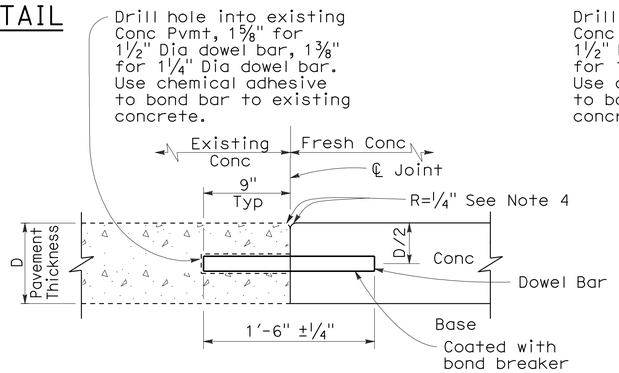


TRANSVERSE CONTRACTION JOINT



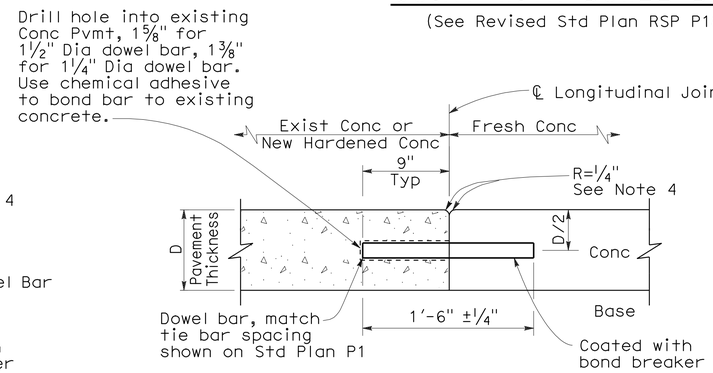
LONGITUDINAL CONTRACTION JOINT WITH DOWEL BARS

(See Revised Std Plan RSP P18)



TRANSVERSE CONSTRUCTION JOINT FOR EXISTING CONCRETE PAVEMENT

(Drill and bond locations)



LONGITUDINAL CONSTRUCTION JOINT WITH DOWEL BARS

(See Revised Std Plan RSP P18)

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5	0.7/30.1	15	30

William K. Farnbach
REGISTERED CIVIL ENGINEER

May 15, 2009
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
William K. Farnbach
No. C49042
Exp. 9-30-10
CIVIL
STATE OF CALIFORNIA

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To accompany plans dated 1-25-10

NOTES:

1. See Revised Standard Plan RSP P1 for typical dowel bar placement and locations.
2. 1½" Dia smooth dowel bars are to be used with a pavement thickness, D, equal to or greater than 0.70 feet. For pavement thickness, D, less than 0.70 feet, use 1¼" Dia smooth dowel bars.
3. For widths not shown, see Project Plans.
4. If fresh concrete pavement is placed adjacent to existing concrete pavement, the top corner of the existing concrete pavement does not need to be rounded to the ¼" radius, as shown.

TABLE A (See Note 3)

Dowel Bar Transverse Spacing Table	
Width between Longitudinal Joints	Number of Dowels between Longitudinal Joints
14'-0"	14
13'-0"	13
12'-0"	12
11'-0"	11
10'-0"	10
8'-0"	8
5'-0"	5
4'-0"	4

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT-DOWEL BAR DETAILS

NO SCALE

RSP P10 DATED MAY 15, 2009 SUPERSEDES STANDARD PLAN P10 DATED MAY 1, 2006 - PAGE 124 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP P10

2006 REVISED STANDARD PLAN RSP P10

5-8-09

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5	0.7/30.1	16	30

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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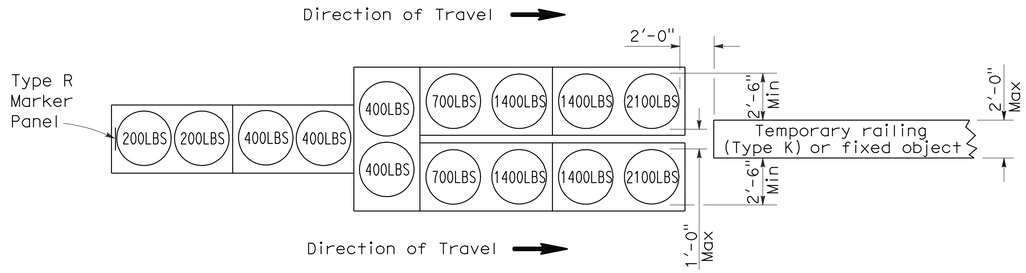
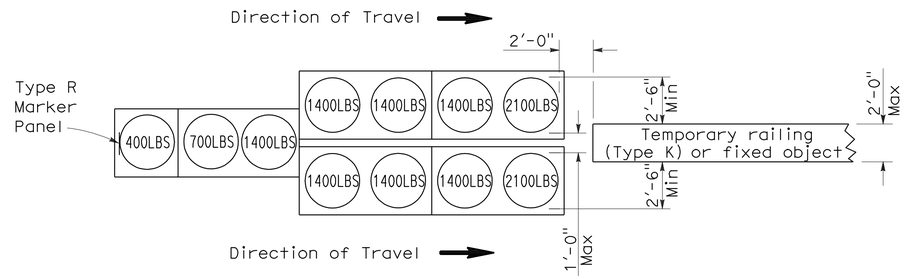
To accompany plans dated 1-25-10



ARRAY 'TU14'

Approach speed 45 mph or more



ARRAY 'TU11'

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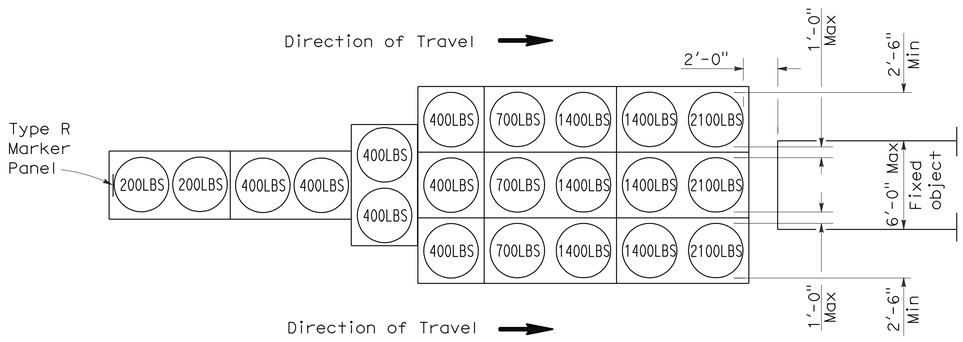
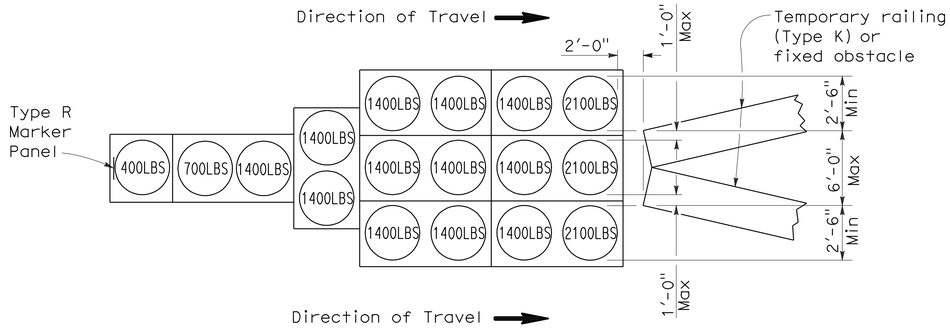


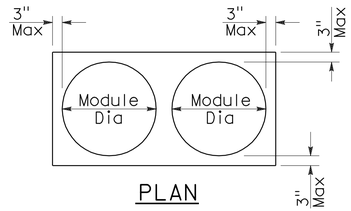
ARRAY 'TU21'

Approach speed 45 mph or more

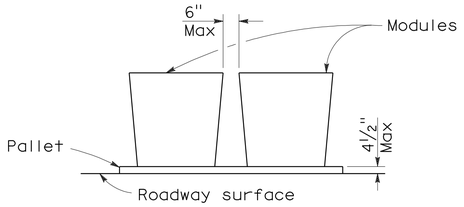


ARRAY 'TU17'

Approach speed less than 45 mph



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (UNIDIRECTIONAL)

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5	0.7/30.1	17	30

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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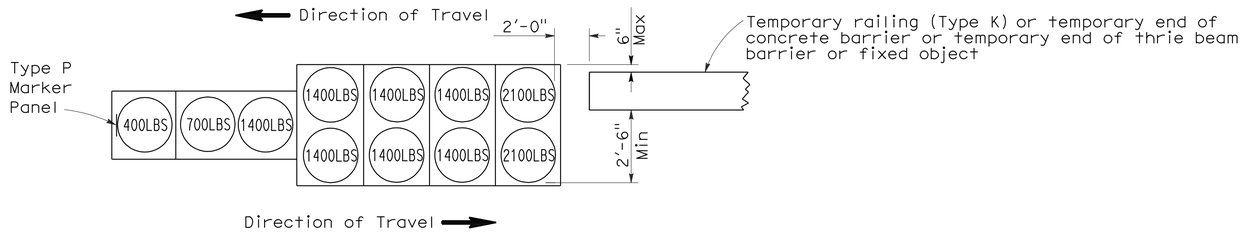
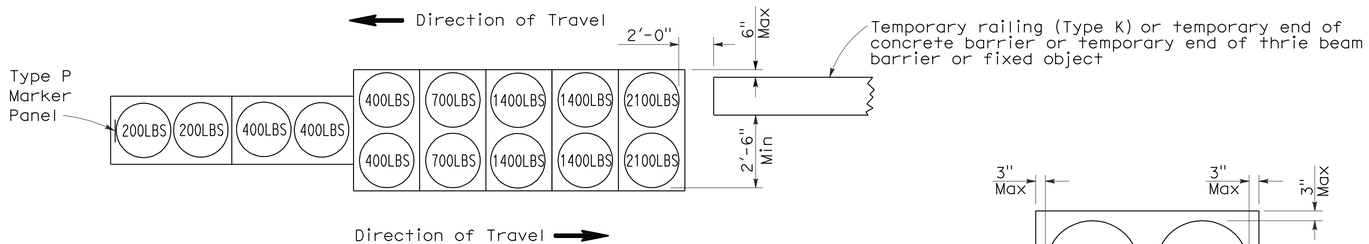
To accompany plans dated 1-25-10



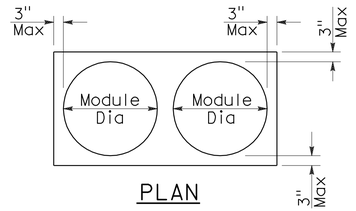
ARRAY 'TB11'

Approach speed less than 45 mph

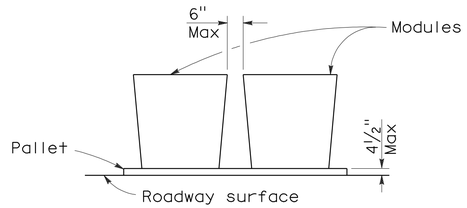


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5	0.7/30.1	18	30

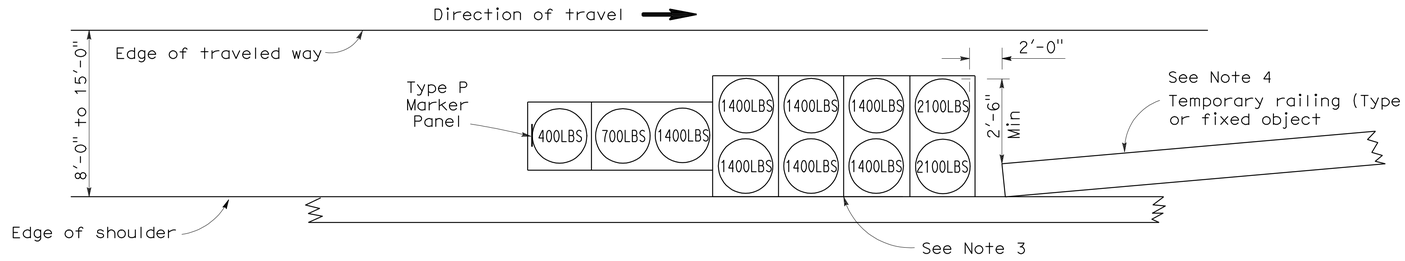
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

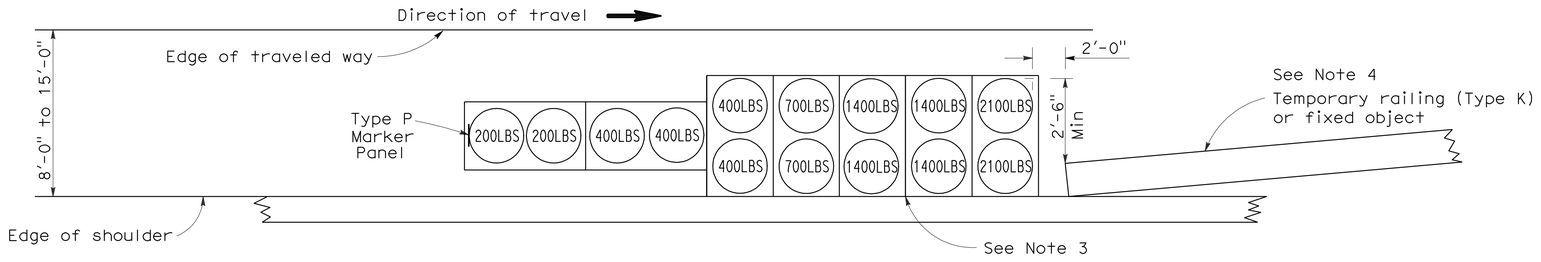
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 1-25-10



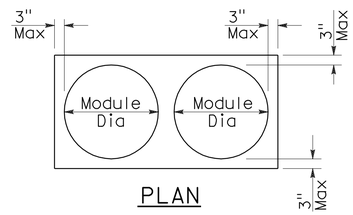
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

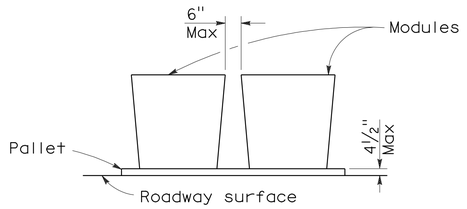


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5	0.7/30.1	19	30

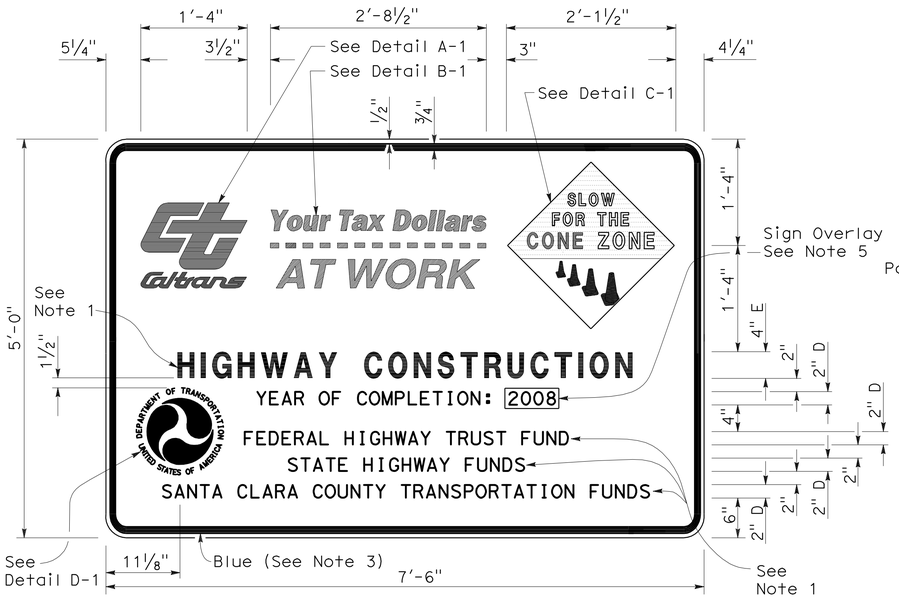
Greg W. Edwards
REGISTERED CIVIL ENGINEER

November 17, 2006
PLANS APPROVAL DATE

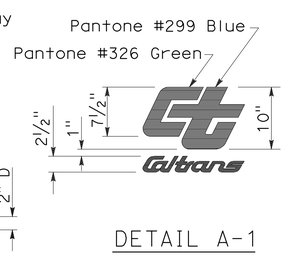
REGISTERED PROFESSIONAL ENGINEER — Greg W. Edwards — No. C36386 — Exp. 6-30-08 CIVIL — STATE OF CALIFORNIA

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.

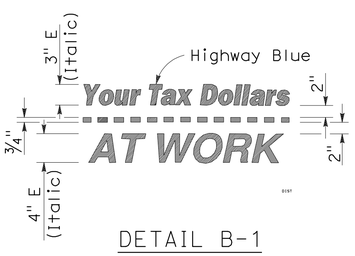
To accompany plans dated 1-25-10



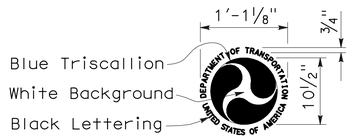
TYPE 1



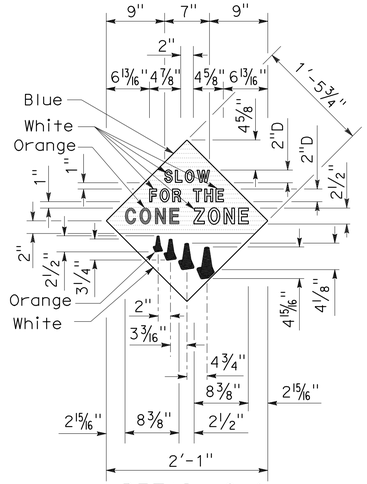
DETAIL A-1



DETAIL B-1
(See Note 3)



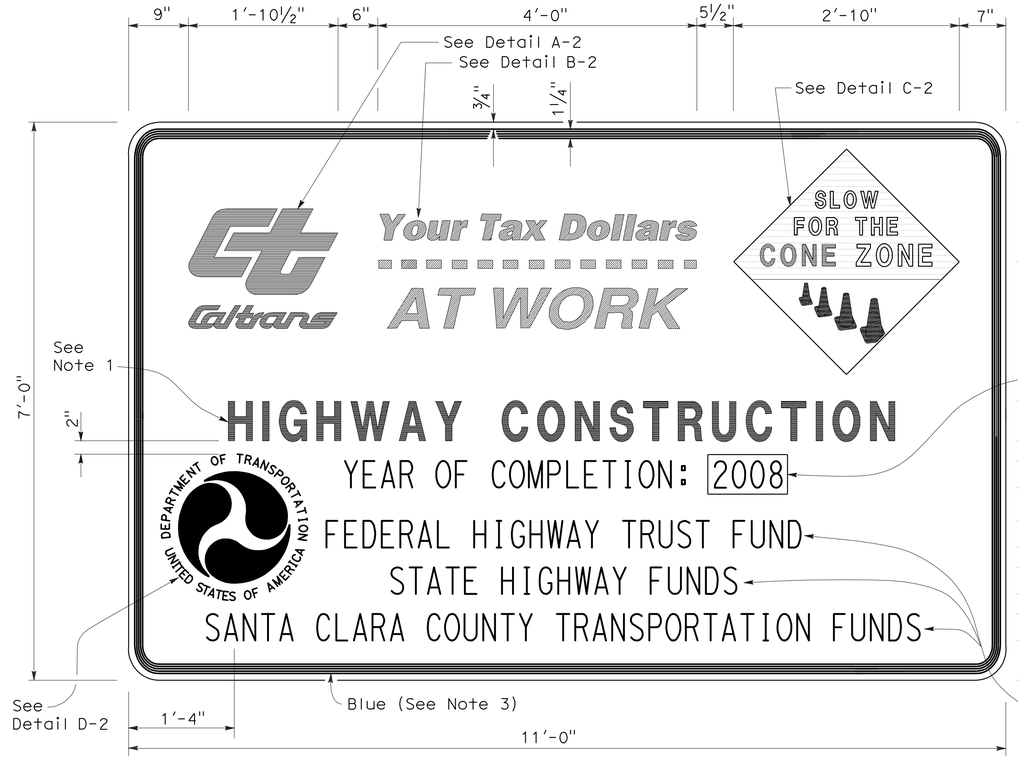
DETAIL D-1
(See Note 6)



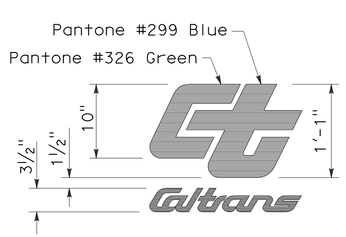
DETAIL C-1
(See Note 4)

NOTES:

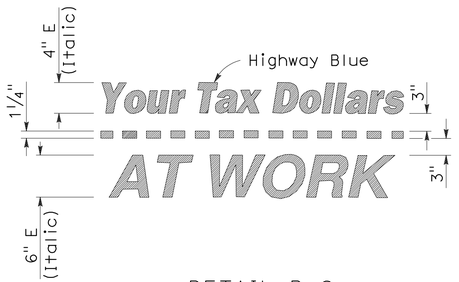
1. The sign messages shown for type of project and fund types are examples only. See the Special Provisions for the applicable type of project and fund type messages to be used.
2. Except as otherwise shown, the legend of sign shall be black on a white background (non-reflective).
3. The border of the signs and details "B-1" and "B-2" shall be blue (non-reflective).
4. The diamond in details "C-1" and "C-2" shall be blue for the background of message, " SLOW FOR THE CONE ZONE", and white background for the orange cones. The color and type of font for the "SLOW FOR THE CONE ZONE" message shall be: "SLOW" white D; "FOR THE" white D; "CONE" orange Arial font; "ZONE" white Arial font.
5. Year of completion of project construction shown on the overlay is an example only. See the Special Provisions.
6. Use when the Project involves Federal Highway Trust Fund.



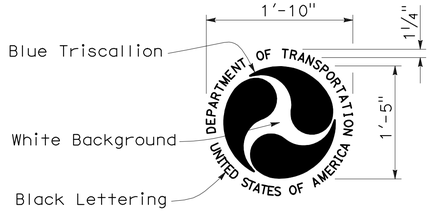
TYPE 2



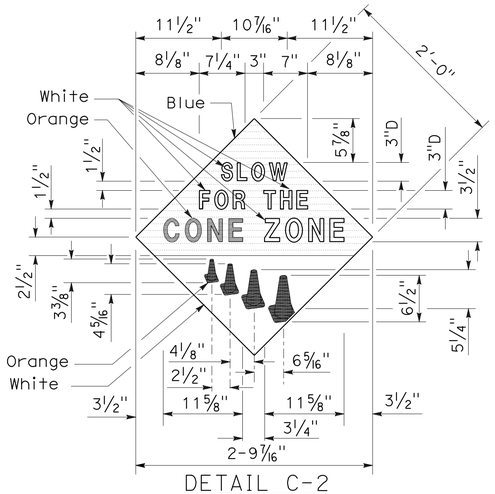
DETAIL A-2



DETAIL B-2
(See Note 3)



DETAIL D-2
(See Note 6)



DETAIL C-2
(See Note 4)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS

NO SCALE

RSP T7 DATED NOVEMBER 17, 2006 SUPERSEDES STANDARD PLAN T7
DATED MAY 1, 2006 - PAGE 217 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T7

2006 REVISED STANDARD PLAN RSP T7

9-7-06

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5	0.7/30.1	20	30

REGISTERED CIVIL ENGINEER

Efthymios Delis
No. C51434
Exp. 6-30-08
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

October 5, 2007
PLANS APPROVAL DATE

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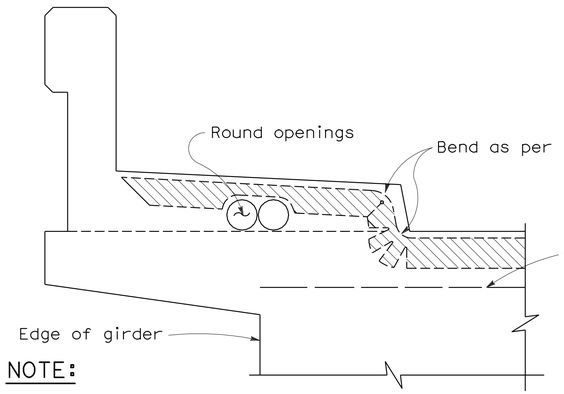
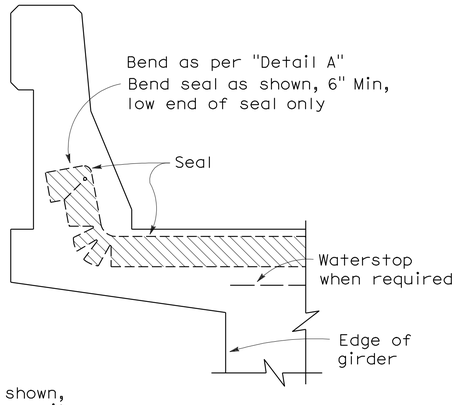
To accompany plans dated 1-25-10



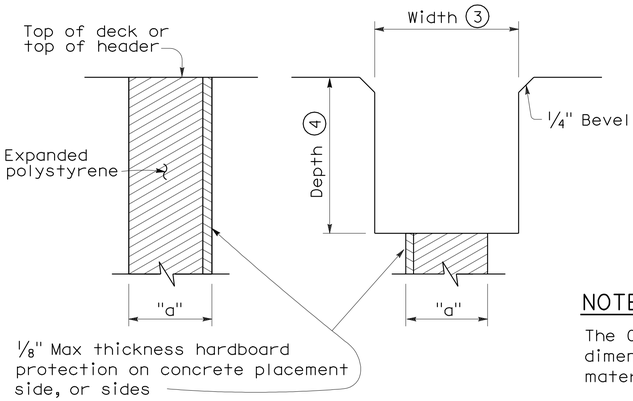
NOTE:

Type "B" seal shown. Type "A" seals to comform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



CONCRETE BARRIER



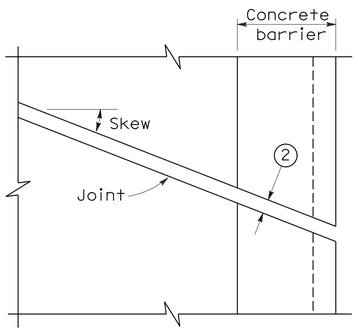
FORMING DETAIL

SAWCUT DETAIL

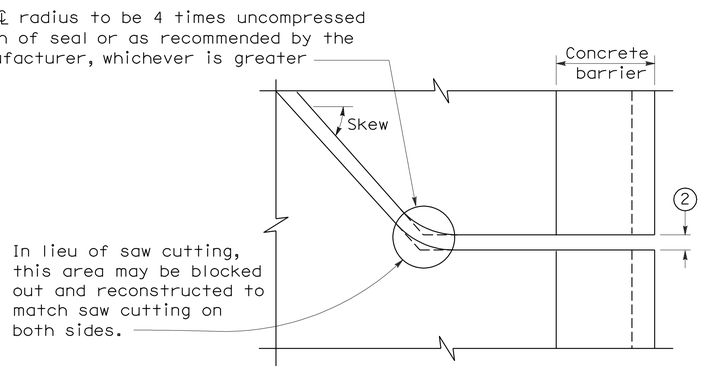
NOTE:

The Contractor shall verify all controlling field dimensions before ordering or fabricatiing any material.

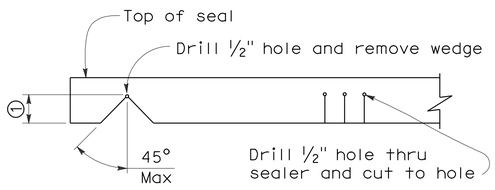
JOINT SEALS DETAILS

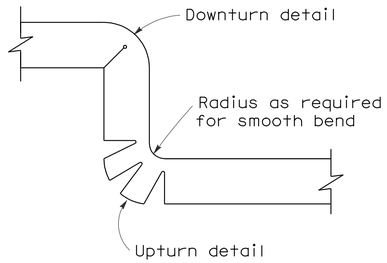


PLAN OF JOINT (SKEW ≤ 20°)



PLAN OF JOINT (SKEW > 20°)





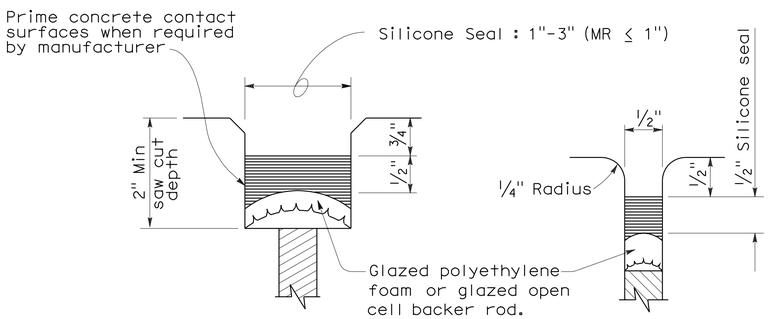
DETAIL A

NOTES:

1. Make smooth cuts from the bottom of seal to 1½" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
2. Opening in barrier to match width of sawn deck joint.
3. Sawcut groove widths shall be as ordered by the Engineer.
4. Depth of sawcut: Type A - Depth to be 2" minimum.
   Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (W_2) plus dimensions shown.
5. MR (movement rating) as shown on other plan sheets.
6. Other depths must be approved by the Engineer.

DIMENSIONS "a" OF JOINT REQUIRED

Movement Rating (MR) (5)	Bridge Type	"a" Dimension Deck Concrete Placed		
		Winter	Fall-Spring	Summer
2"	All except CIP/PS	1½"	1¼"	¾"
	CIP/PS	1¼"	1"	½"
1½"	All except CIP/PS	1¼"	1"	½"
	CIP/PS	1"	¾"	½"
1"	All except CIP/PS	1"	¾"	½"
	CIP/PS	¾"	½"	½"
½"	All except CIP/PS	¾"	¾"	½"
	CIP/PS	½"	½"	½"

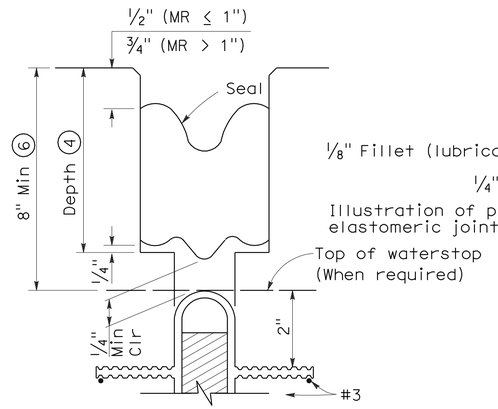


TYPE A SEAL

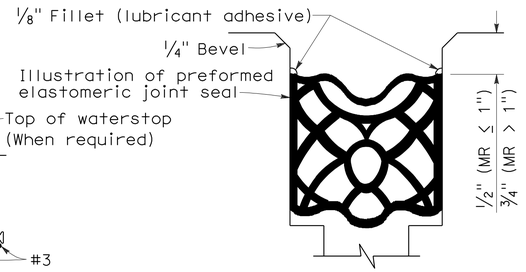
Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL
IN MINIMUM WIDTH POSITION (W_2)



TYPE B SEAL

Movement Rating ≤ 2"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

NO SCALE

RSP B6-21 DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN B6-21 DATED MAY 1, 2006 - PAGE 258 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP B6-21

2006 REVISED STANDARD PLAN RSP B6-21

5-8-07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Sac	5	0.7/30.1	21	30

Thomas J. Bolla 7-29-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

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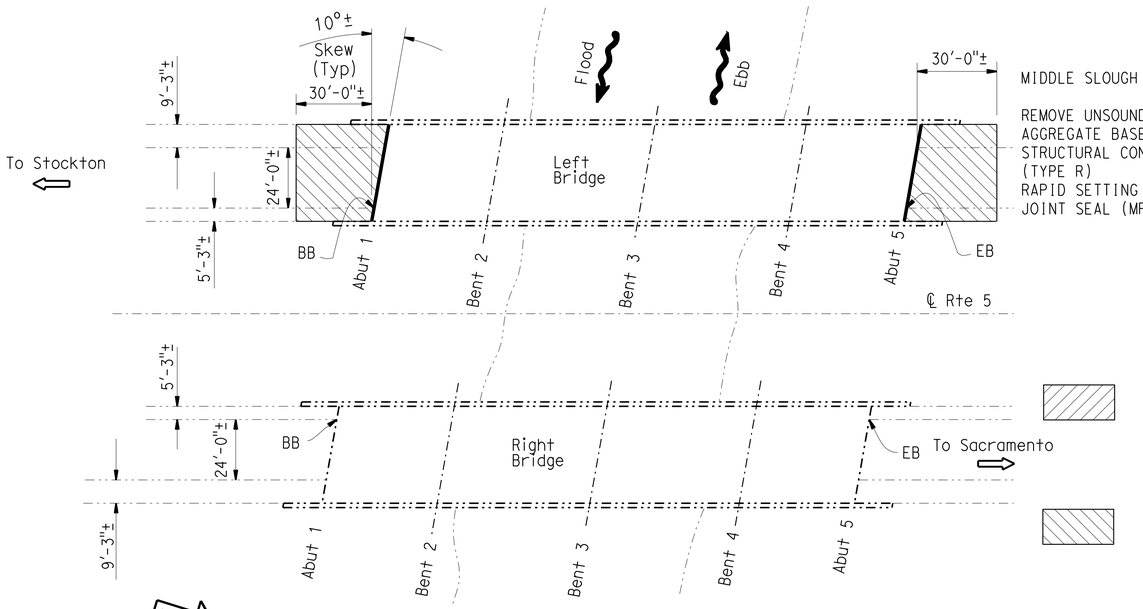
REGISTERED PROFESSIONAL ENGINEER — THOMAS J. BOLLA — No. C 43811 — Exp. 6-30-11 — CIVIL — STATE OF CALIFORNIA



MIDDLE SLOUGH

Br No. 24-0260L, ROUTE 5, PM 0.71
1" = 30'

QUANTITIES — MIDDLE SLOUGH — BRIDGE NO. 24-0260L

REMOVE UNSOUND CONCRETE	3	CF
AGGREGATE BASE (APPROACH SLAB)	10	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	95	CY
RAPID SETTING CONCRETE (PATCH)	3	CF
JOINT SEAL (MR 1")	79	LF

NOTES: (APPLY TO ALL SHEETS)

-·-·-·- Indicates existing.

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

STANDARD PLANS DATED MAY 2006

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

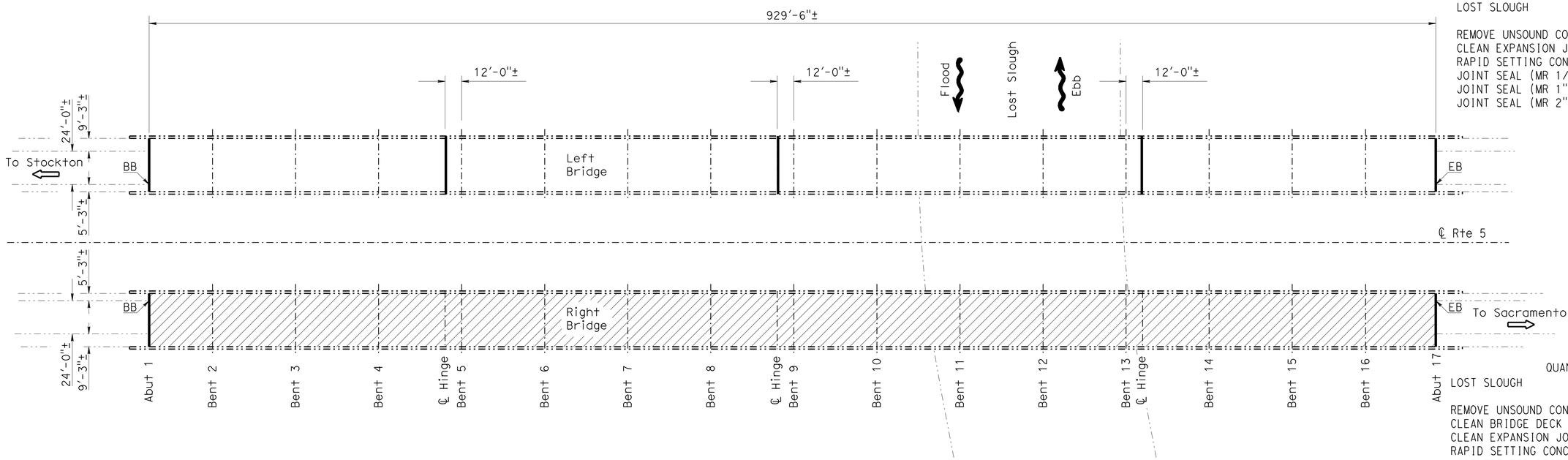
NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate and core treated bridge deck. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.

Indicates limits of remove existing approach pavement and place new Structure Approach Type R(30D). For details see STRUCTURE APPROACH TYPE R(30D) sheet.

Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.

INDEX TO PLANS



LOST SLOUGH

Br No. 24-0261R/L, ROUTE 5, PM 1.04
1" = 40'

QUANTITIES — LOST SLOUGH — BRIDGE NO. 24-0261L

REMOVE UNSOUND CONCRETE	3	CF
CLEAN EXPANSION JOINT	195	LF
RAPID SETTING CONCRETE (PATCH)	3	CF
JOINT SEAL (MR 1/2")	40	LF
JOINT SEAL (MR 1")	39	LF
JOINT SEAL (MR 2")	117	LF

QUANTITIES — LOST SLOUGH — BRIDGE NO. 24-0261R

REMOVE UNSOUND CONCRETE	92	CF
CLEAN BRIDGE DECK	35,786	SQFT
CLEAN EXPANSION JOINT	78	LF
RAPID SETTING CONCRETE (PATCH)	92	CF
CORE TREATED BRIDGE DECK	8	EA
JOINT SEAL (MR 1/2")	78	LF
TREAT BRIDGE DECK	35,786	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	398	GAL
PUBLIC SAFETY PLAN	LUMP	SUM

Matthew Lee 7-29-09
DESIGN ENGINEER

DESIGN	BY T. Bolla	CHECKED P. Kang	LAYOUT	BY David Kish	CHECKED P. Kang
DETAILS	BY David Kish	CHECKED P. Kang	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang
QUANTITIES	BY T. Bolla	CHECKED P. Kang			

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 03604
EA 3M3401

BRIDGE NO.	VARIOUS
POST MILE	VARIES

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 1-30-09 | 2-26-09 | 3-13-09 | 5-19-09 | 7-22-09

ROUTE 5 BRIDGES
GENERAL PLAN NO. 1

SHEET 1 OF 10

FILE => 03-3m3401_gp01.dgn

USERNAME => tmikesl DATE PLOTTED => 26-JAN-2010 TIME PLOTTED => 05:43

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Sac	5	0.7/30.1	22	30

Thomas J. Bolla 7-29-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

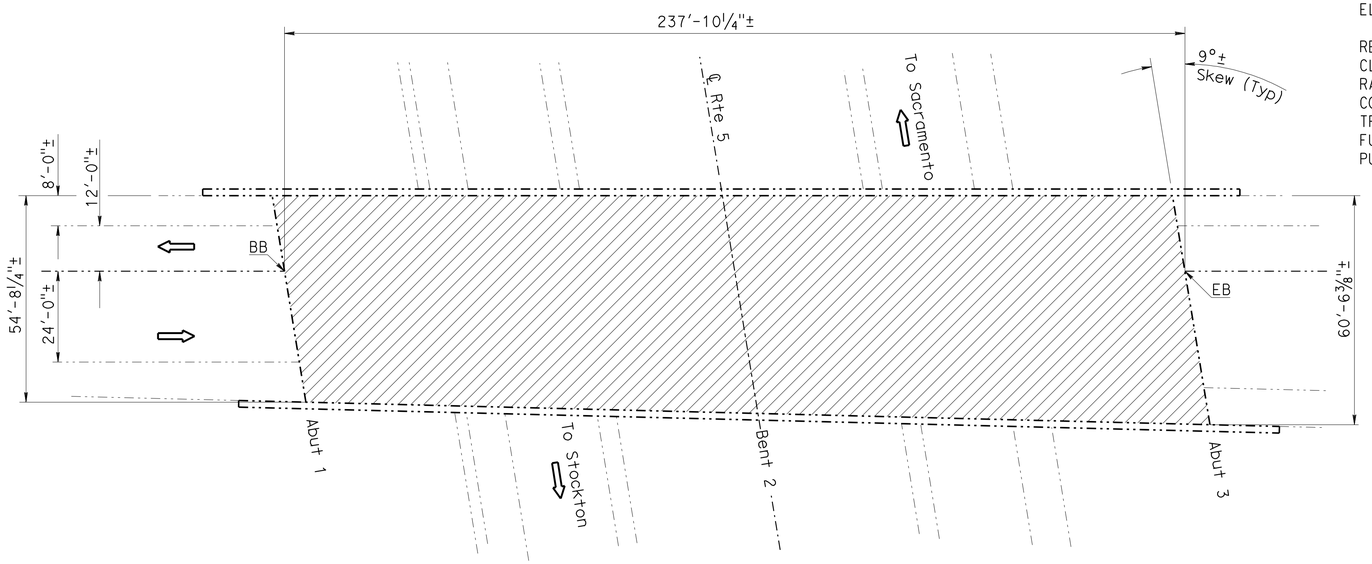
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER — THOMAS J. BOLLA — No. C 43811 — Exp. 6-30-11 — CIVIL — STATE OF CALIFORNIA

QUANTITIES

ELK GROVE BLVD OC BRIDGE NO. 24-0277

REMOVE UNSOUND CONCRETE	34	CF
CLEAN BRIDGE DECK	13,700	SQFT
RAPID SETTING CONCRETE (PATCH)	34	CF
CORE TREATED BRIDGE DECK	4	EA
TREAT BRIDGE DECK	13,700	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	152	GAL
PUBLIC SAFETY PLAN	LUMP	SUM



N

ELK GROVE BLVD OVERCROSSING

Br No. 24-0277, ROUTE 5, PM 10.83
1" = 20'

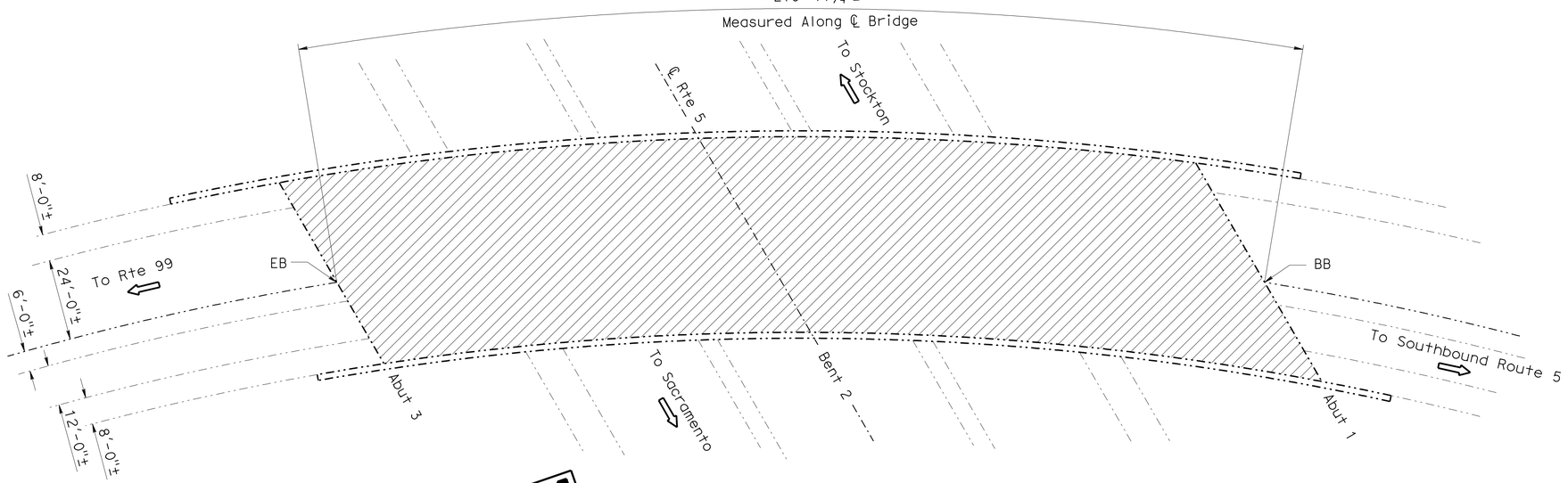
NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate and core treated bridge deck. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.

QUANTITIES

LAGUNA BLVD OC BRIDGE NO. 24-0359

REMOVE UNSOUND CONCRETE	40	CF
CLEAN BRIDGE DECK	16,066	SQFT
RAPID SETTING CONCRETE (PATCH)	40	CF
CORE TREATED BRIDGE DECK	4	EA
TREAT BRIDGE DECK	16,066	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	178	GAL
PUBLIC SAFETY PLAN	LUMP	SUM



N

LAGUNA BLVD OVERCROSSING

Br No. 24-0359, ROUTE 5, PM 12.04
1" = 20'

Matthew Lee 7-29-09
DESIGN ENGINEER

DESIGN	BY T. Bolla	CHECKED P. Kang	LAYOUT	BY David Kish	CHECKED P. Kang
DETAILS	BY David Kish	CHECKED P. Kang	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang
QUANTITIES	BY T. Bolla	CHECKED P. Kang			

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 03604
EA 3M3401

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 5 BRIDGES
GENERAL PLAN NO. 2

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

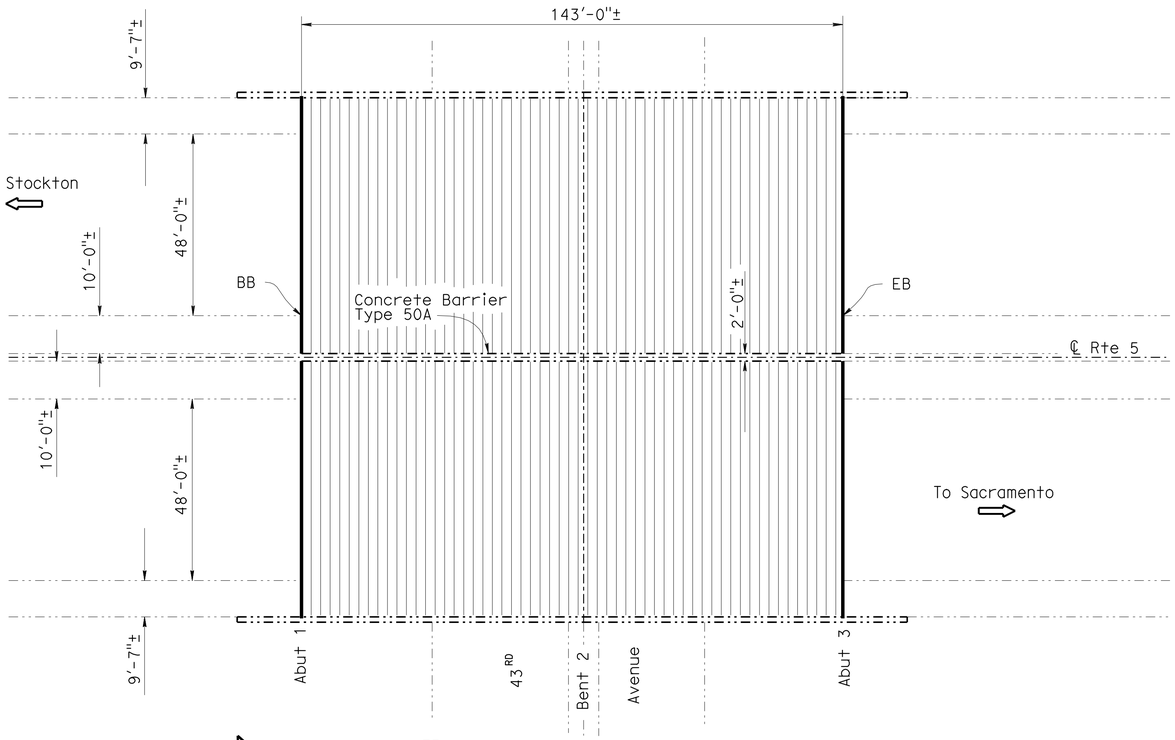
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES → REVISION DATES: 1-30-09 | 2-27-09 | 3-13-09 | 7-22-09

SHEET 2 OF 10

FILE => 03-3m3401_gp02.dgn

USERNAME => tmikesl DATE PLOTTED => 26-JAN-2010 TIME PLOTTED => 05:43



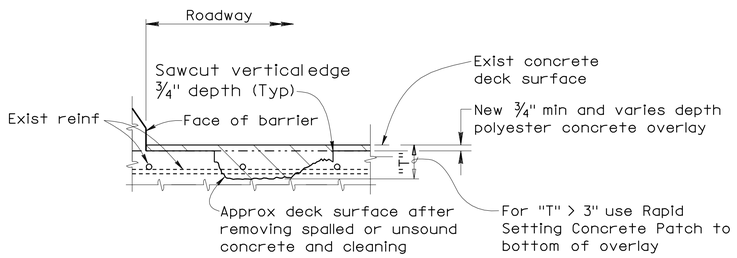
43 RD AVENUE UNDERCROSSING

Br No. 24-0251, ROUTE 5, PM 18.65
1" = 20'

QUANTITIES

43RD AVENUE UC BRIDGE NO. 24-0251

REMOVE CONCRETE DECK SURFACE	45	CY
REMOVE UNSOUND CONCRETE	48	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	19,330	SQFT
CLEAN EXPANSION JOINT	271	LF
RAPID SETTING CONCRETE (PATCH)	48	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,450	CF
PLACE POLYESTER CONCRETE OVERLAY	19,330	SQFT
JOINT SEAL (MR 1/2")	271	LF
PUBLIC SAFETY PLAN	LUMP	SUM



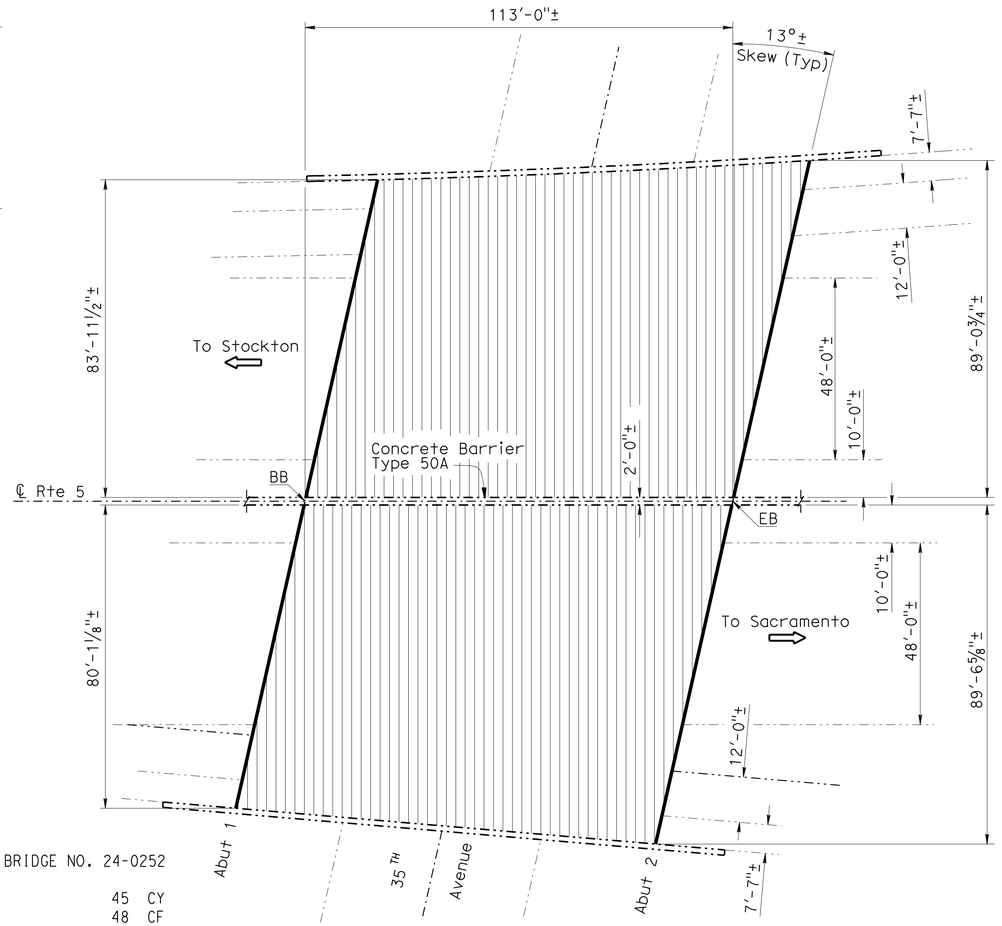
DECK OVERLAY DETAIL

Note: Reinforcement may be encountered during deck concrete removal.

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of remove ¾" minimum depth concrete bridge deck surface, furnish and place new ¾" minimum depth polyester concrete overlay. Prior to placing the new polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete as shown in the "DECK OVERLAY DETAIL".

Indicates limits of existing joint seal removal and placement of new joint seal.



QUANTITIES

35TH AVENUE UC BRIDGE NO. 24-0252

REMOVE CONCRETE DECK SURFACE	45	CY
REMOVE UNSOUND CONCRETE	48	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	19,360	SQFT
CLEAN EXPANSION JOINT	353	LF
RAPID SETTING CONCRETE (PATCH)	48	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,452	CF
PLACE POLYESTER CONCRETE OVERLAY	19,360	SQFT
JOINT SEAL (MR 1/2")	353	LF
PUBLIC SAFETY PLAN	LUMP	SUM

35 TH AVENUE UNDERCROSSING

Br No. 24-0252, ROUTE 5, PM 19.13
1" = 20'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Sac	5	0.7/30.1	23	30

Thomas J. Bolla 7-29-09
REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
THOMAS J. BOLLA
No. C 43811
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

1-25-10
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.

Matthew W. Lee 7-29-09 DESIGN ENGINEER	DESIGN	BY T. Bolla	CHECKED P. Kang	LAYOUT	BY David Kish	CHECKED P. Kang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
	DETAILS	BY David Kish	CHECKED P. Kang	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang	
	QUANTITIES	BY T. Bolla	CHECKED P. Kang				

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 03604
EA 3M3401

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 5 BRIDGES
GENERAL PLAN NO. 3

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

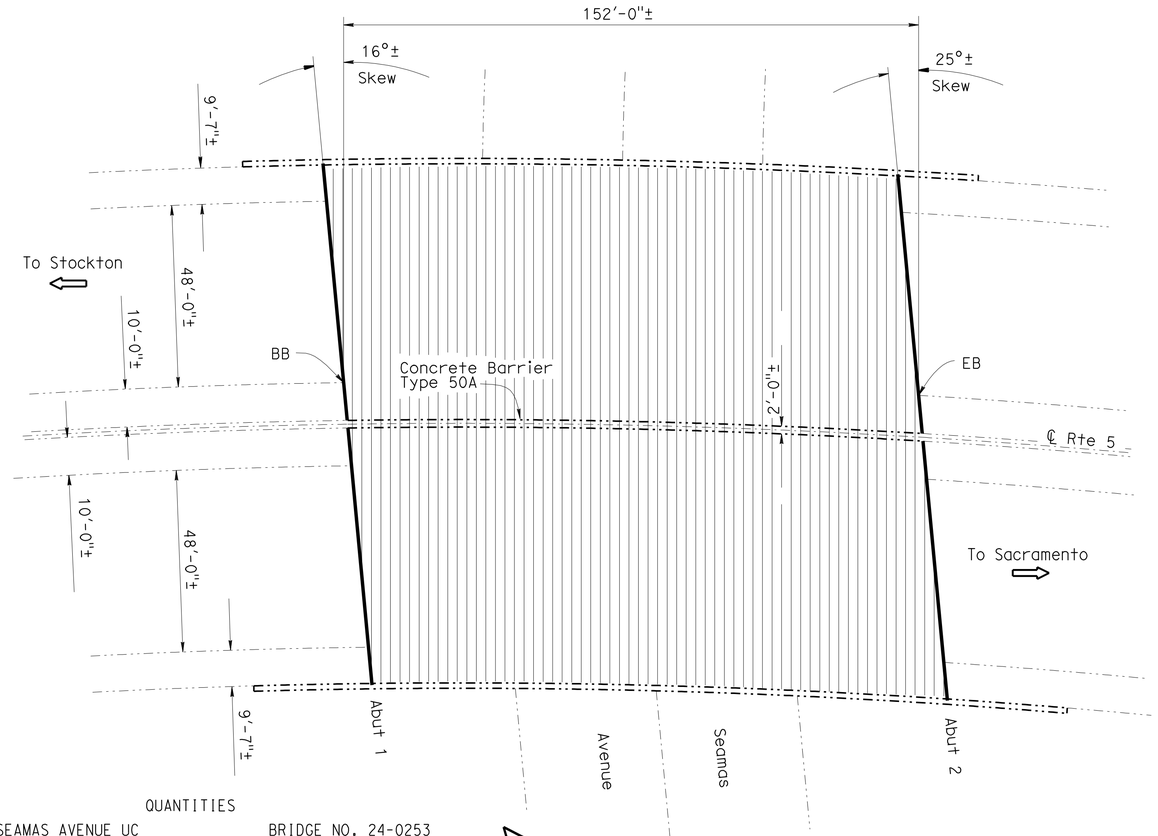
DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 1-30-09 | 3-02-09 | 3-13-09 | 7-22-09

SHEET 3 OF 10

FILE => 03-3m3401_gp03.dgn

USERNAME => trmikesl DATE PLOTTED => 26-JAN-2010 TIME PLOTTED => 06:43



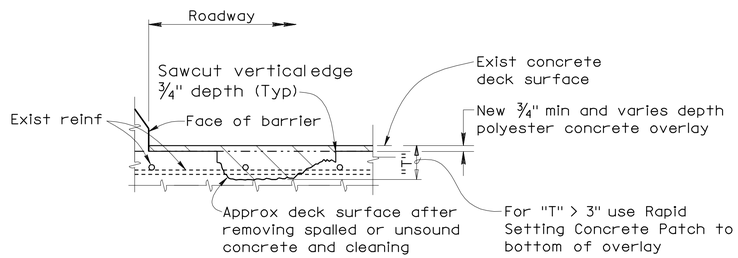
QUANTITIES

SEAMAS AVENUE UC BRIDGE NO. 24-0253

REMOVE CONCRETE DECK SURFACE	48	CY
REMOVE UNSOUND CONCRETE	52	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	20,672	SQFT
CLEAN EXPANSION JOINT	293	LF
RAPID SETTING CONCRETE (PATCH)	52	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,550	CF
PLACE POLYESTER CONCRETE OVERLAY	20,672	SQFT
JOINT SEAL (MR 1")	293	LF
PUBLIC SAFETY PLAN	LUMP	SUM

SEAMAS AVENUE UNDERCROSSING

Br No. 24-0253, ROUTE 5, PM 19.30
1" = 20'



DECK OVERLAY DETAIL

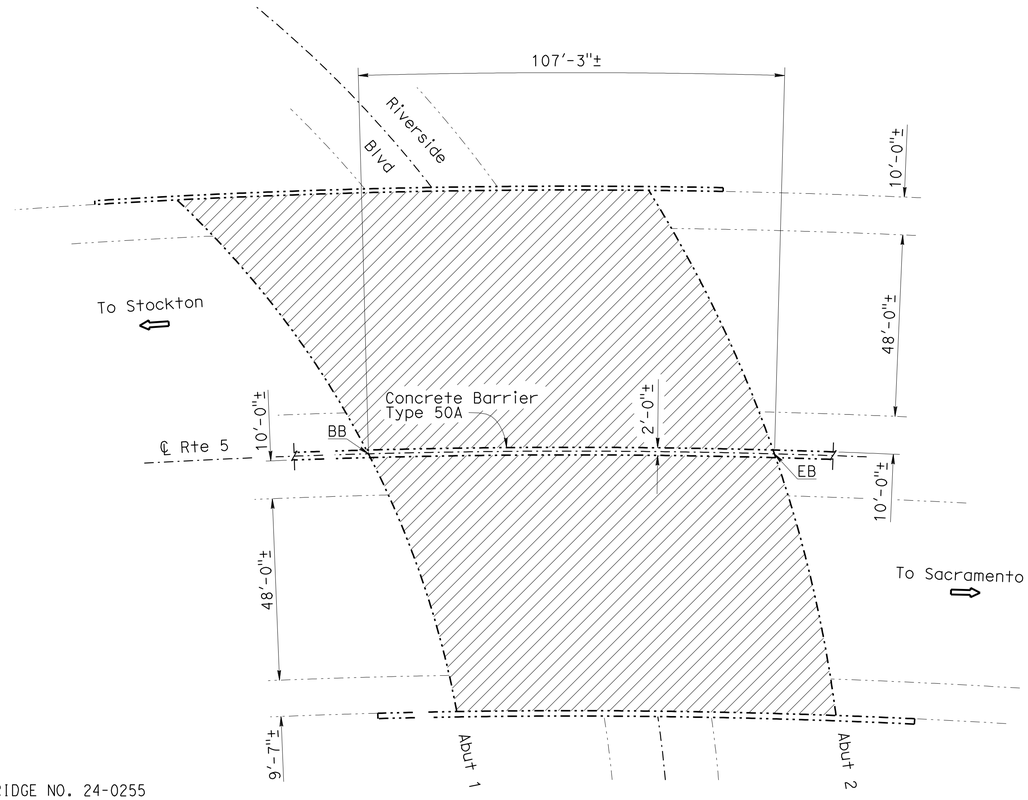
Note: Reinforcement may be encountered during deck concrete removal.

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate and core treated bridge deck. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.

Indicates limits of remove ¾" minimum depth concrete bridge deck surface, furnish and place new ¾" minimum depth polyester concrete overlay. Prior to placing the new polyester concrete overlay, remove unsound concrete and patch with rapid setting concrete as shown in the "DECK OVERLAY DETAIL".

Indicates limits of existing joint seal removal and placement of new joint seal.



QUANTITIES

RIVERSIDE BLVD UC BRIDGE NO. 24-0255

REMOVE UNSOUND CONCRETE	36	CF
CLEAN BRIDGE DECK	14,541	SQFT
RAPID SETTING CONCRETE (PATCH)	36	CF
CORE TREATED BRIDGE DECK	2	EA
TREAT BRIDGE DECK	14,541	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	162	GAL
PUBLIC SAFETY PLAN	LUMP	SUM

RIVERSIDE BLVD UNDERCROSSING

Br No. 24-0255, ROUTE 5, PM 19.95
1" = 20'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Sac	5	0.7/30.1	24	30

Thomas J. Bolla 7-29-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — THOMAS J. BOLLA — No. C 43811 — Exp. 6-30-11 — CIVIL — STATE OF CALIFORNIA

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Matthew W. Lee 7-29-09
DESIGN ENGINEER

DESIGN	BY T. Bolla	CHECKED P. Kang	LAYOUT	BY David Kish	CHECKED P. Kang
DETAILS	BY David Kish	CHECKED P. Kang	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang
QUANTITIES	BY T. Bolla	CHECKED P. Kang			

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 03604
EA 3M3401

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 5 BRIDGES
GENERAL PLAN NO. 4

DISREGARD PRINTS BEARING EARLIER REVISION DATES →
REVISION DATES: 1-30-09 | 3-02-09 | 3-13-09 | 7-22-09

SHEET 4 OF 10

FILE => 03-3m3401_gp04.dgn

USERNAME => trmikes! DATE PLOTTED => 26-JAN-2010 TIME PLOTTED => 05:43

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Sac	5	0.7/30.1	25	30

Thomas J. Bolla 7-29-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

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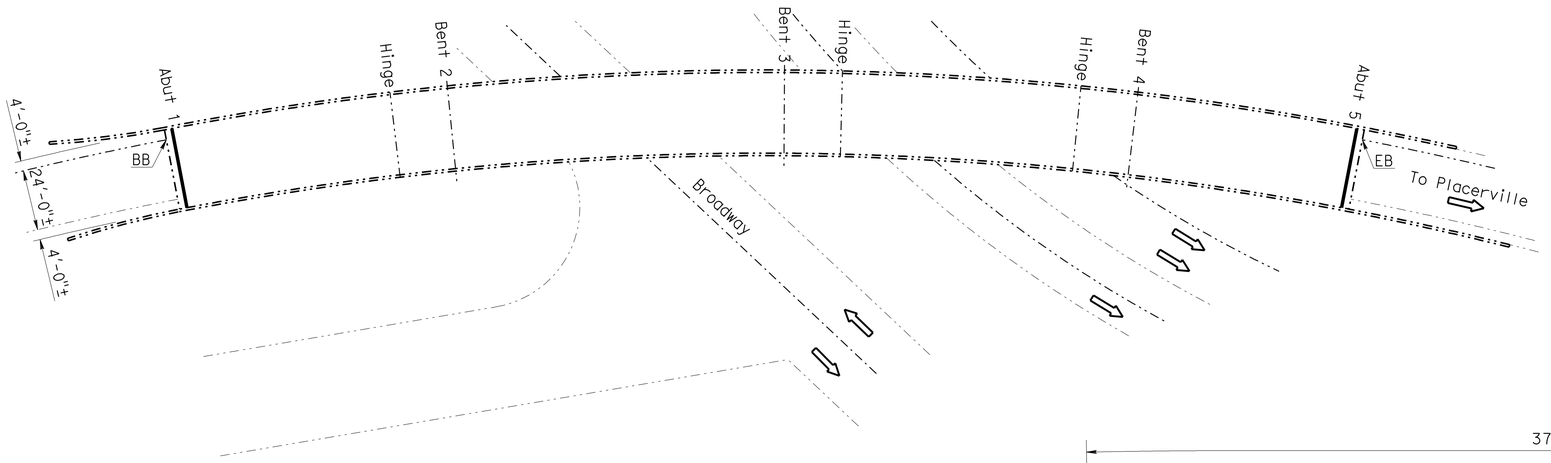
REGISTERED PROFESSIONAL ENGINEER
THOMAS J. BOLLA
No. C 43811
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA



N5-E50 CONNECTOR OVERCROSSING

Br No. 24-0269G, ROUTE 5, PM 22.41
1" = 30'

QUANTITIES

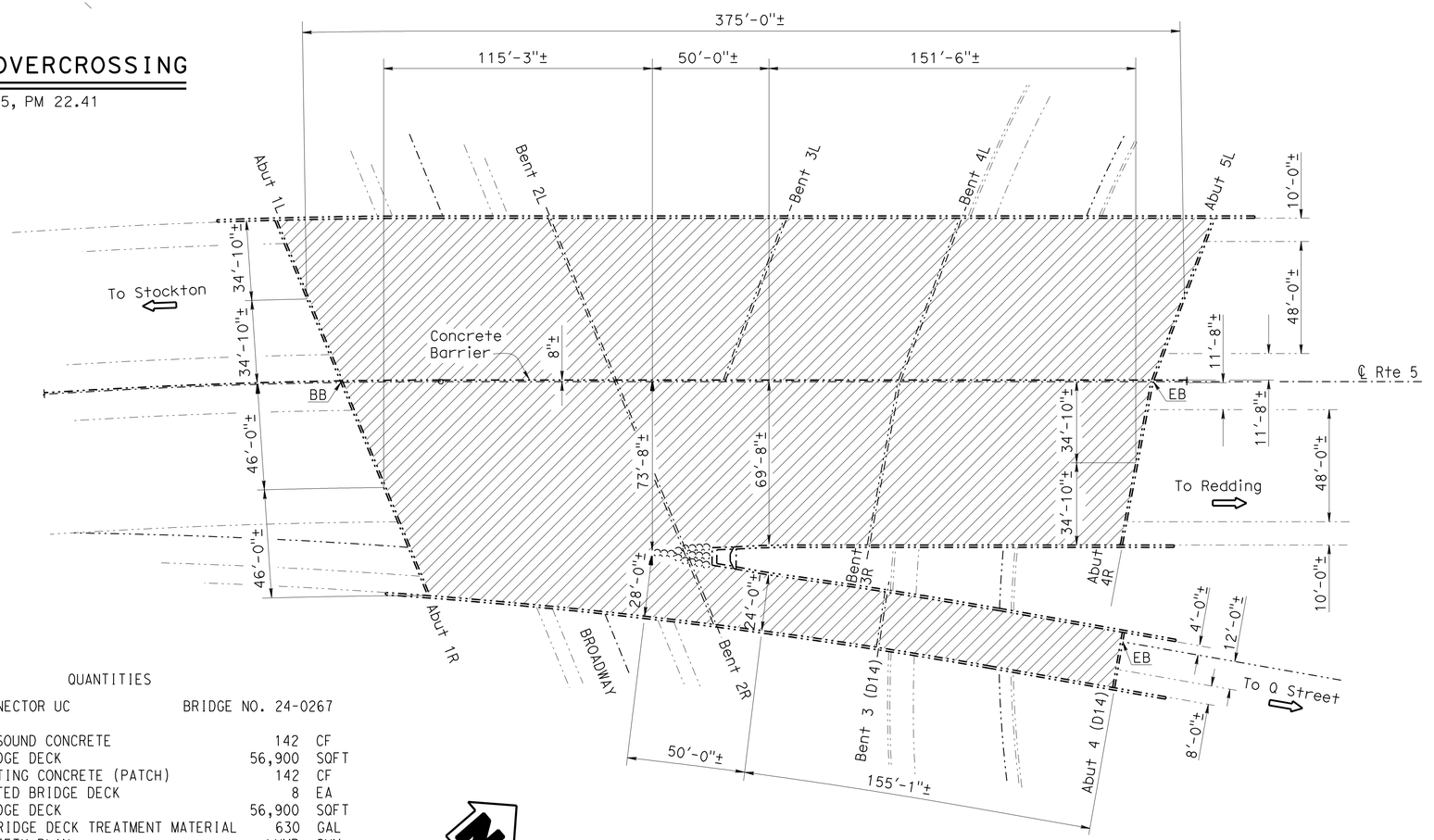
N5-E50 CONNECTOR OC BRIDGE NO. 24-0269G

REMOVE UNSOUND CONCRETE	2	CF
CLEAN EXPANSION JOINT	65	LF
RAPID SETTING CONCRETE (PATCH)	2	CF
JOINT SEAL (MR 1/2")	32	LF
JOINT SEAL (MR 1")	33	LF

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate and core treated bridge deck. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.

Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls.



QUANTITIES

SOUTH CONNECTOR UC BRIDGE NO. 24-0267

REMOVE UNSOUND CONCRETE	142	CF
CLEAN BRIDGE DECK	56,900	SQFT
RAPID SETTING CONCRETE (PATCH)	142	CF
CORE TREATED BRIDGE DECK	8	EA
TREAT BRIDGE DECK	56,900	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	630	GAL
PUBLIC SAFETY PLAN	LUMP	SUM

SOUTH CONNECTOR UNDERCROSSING

Br No. 24-0267, ROUTE 5, PM 22.42
1" = 30'

Martha DeLee 7-29-09
DESIGN ENGINEER

DESIGN	BY T. Bolla	CHECKED P. Kang	LAYOUT	BY David Kish	CHECKED P. Kang
DETAILS	BY David Kish	CHECKED P. Kang	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang
QUANTITIES	BY T. Bolla	CHECKED P. Kang			

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 03604
EA 3M3401

BRIDGE NO. VARIOUS
POST MILE VARIES

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 1-30-09 | 3-03-09 | 3-13-09 | 7-22-09

ROUTE 5 BRIDGES
GENERAL PLAN NO. 5

SHEET 5 OF 10

FILE => 03-3m3401_gp05.dgn

USERNAME => tfmikesl DATE PLOTTED => 26-JAN-2010 TIME PLOTTED => 05:43

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Sac	5	0.7/30.1	26	30

Thomas J. Bolla 7-29-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
THOMAS J. BOLLA
No. C 43811
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

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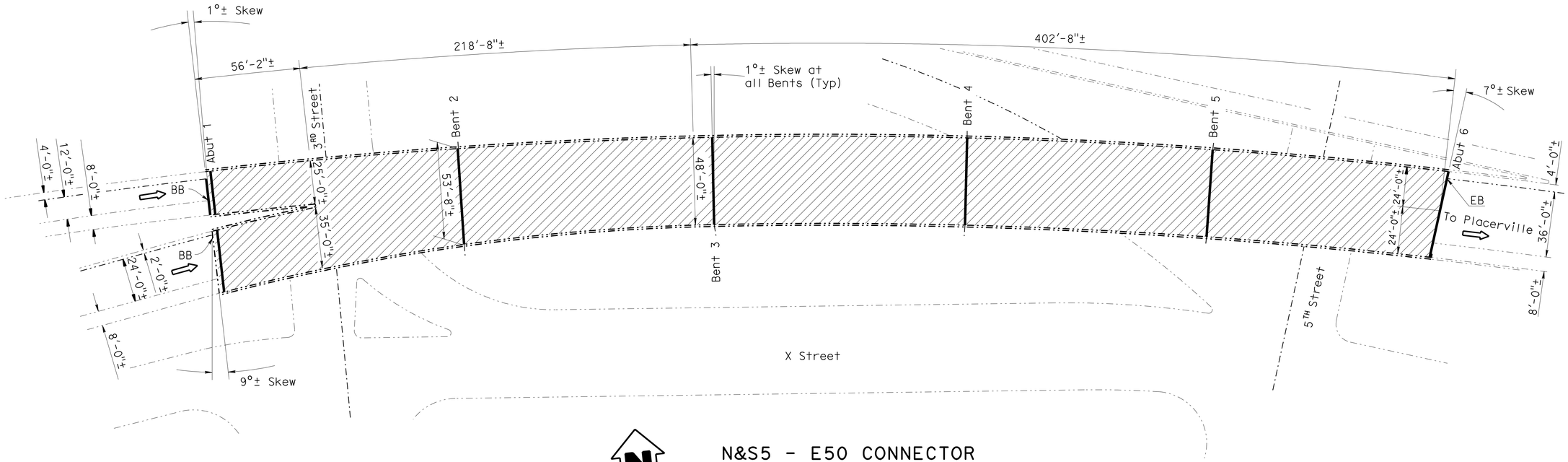
NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate and core treated bridge deck. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.

Indicates limits of existing joint seal removal and placement of new joint seal.



N&S5 - E50 CONNECTOR

Br No. 24-0270H, ROUTE 5, PM 22.50
1" = 30'

QUANTITIES

N & S5-E50 CONNECTOR	BRIDGE NO. 24-0270H	
REMOVE UNSOUND CONCRETE	88	CF
CLEAN BRIDGE DECK	35,000	SQFT
CLEAN EXPANSION JOINT	330	LF
RAPID SETTING CONCRETE (PATCH)	88	CF
CORE TREATED BRIDGE DECK	8	EA
JOINT SEAL (MR 1/2")	80	LF
JOINT SEAL (MR 1")	49	LF
JOINT SEAL (MR 1 1/2")	200	LF
TREAT BRIDGE DECK	35,000	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	392	GAL
PUBLIC SAFETY PLAN	LUMP	SUM

Matthew Lee 7-29-09 DESIGN ENGINEER	DESIGN	BY T. Bolla	CHECKED P. Kang	LAYOUT	BY David Kish	CHECKED P. Kang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS
	DETAILS	BY David Kish	CHECKED P. Kang	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang			POST MILE VARIES
	QUANTITIES	BY T. Bolla	CHECKED P. Kang						

ROUTE 5 BRIDGES
GENERAL PLAN NO. 6

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 03604
EA 3M3401

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 1-30-09 | 3-03-09 | 3-13-09 | 7-22-09

SHEET 6 OF 10

FILE => 03-3m3401_gp06.dgn

USERNAME => trmikesl DATE PLOTTED => 26-JAN-2010 TIME PLOTTED => 05:44

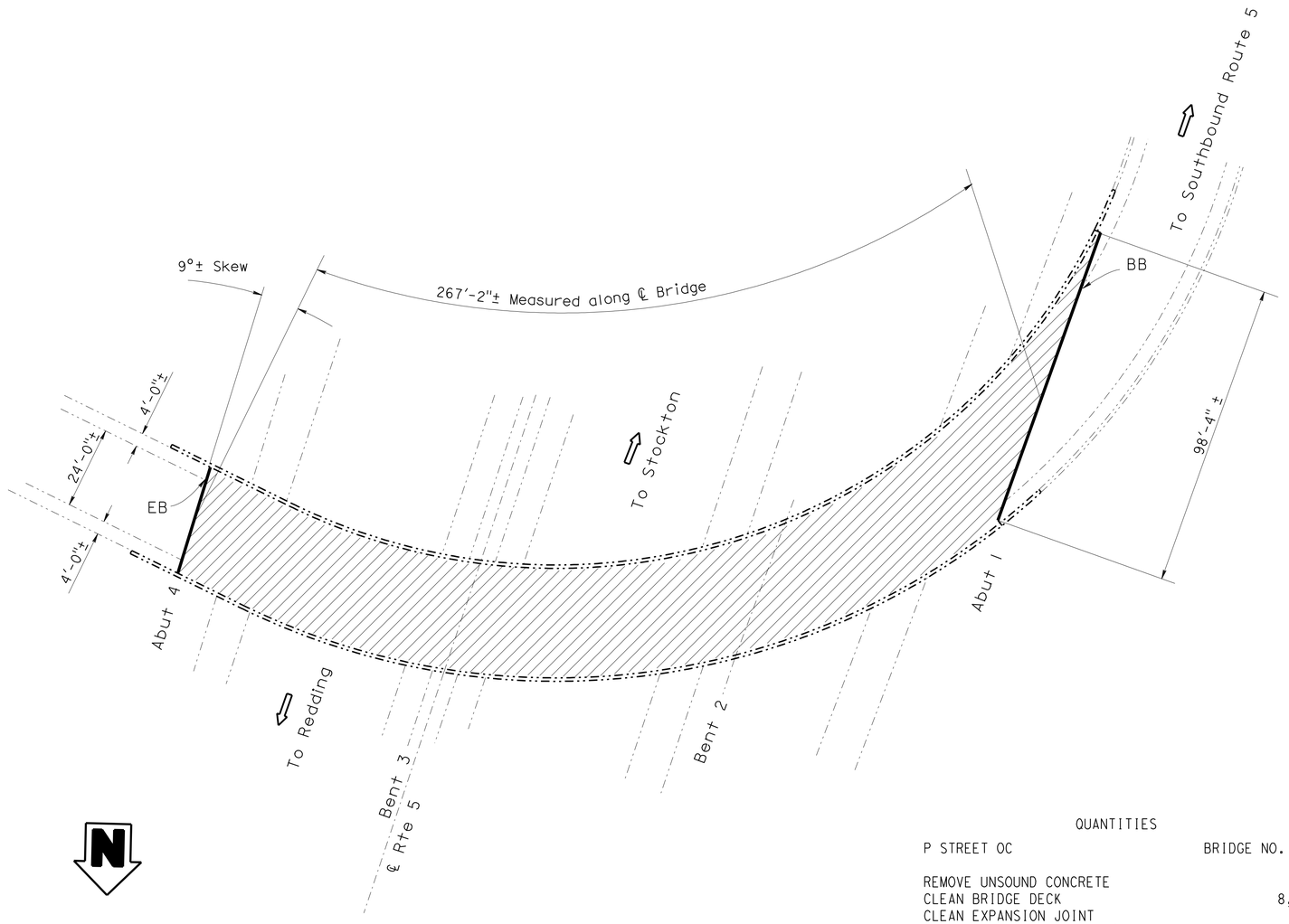
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Sac	5	0.7/30.1	27	30

Thomas J. Bolla 7-29-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
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.

REGISTERED PROFESSIONAL ENGINEER
THOMAS J. BOLLA
No. C 43811
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA



P STREET OVERCROSSING

Br No. 24-0272K, ROUTE 5, PM 23.18
1" = 20'

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate and core treated bridge deck. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.

Indicates limits of existing joint seal removal and placement of new joint seal.

QUANTITIES

P STREET OC — BRIDGE NO. 24-0272K

REMOVE UNSOUND CONCRETE	21	CF
CLEAN BRIDGE DECK	8,550	SQFT
CLEAN EXPANSION JOINT	131	LF
RAPID SETTING CONCRETE (PATCH)	21	CF
CORE TREATED BRIDGE DECK	6	EA
JOINT SEAL (MR 1")	33	LF
JOINT SEAL (MR 1")(SILICONE)	99	LF
TREAT BRIDGE DECK	8,550	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	95	GAL
PUBLIC SAFETY PLAN	LUMP	SUM

Matthew Lee 7-29-09
DESIGN ENGINEER

	BY	CHECKED
DESIGN	T. Bolla	P. Kang
DETAILS	David Kish	P. Kang
QUANTITIES	T. Bolla	P. Kang
LAYOUT	David Kish	P. Kang
SPECIFICATIONS	John Jiang	John Jiang

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 03604
EA 3M3401

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 5 BRIDGES
GENERAL PLAN NO. 7

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 1-30-09 | 3-04-09 | 7-22-09

SHEET 7 OF 10

FILE => 03-3m3401_gp07.dgn

USERNAME => tmhkesl DATE PLOTTED => 26-JAN-2010 TIME PLOTTED => 06:44

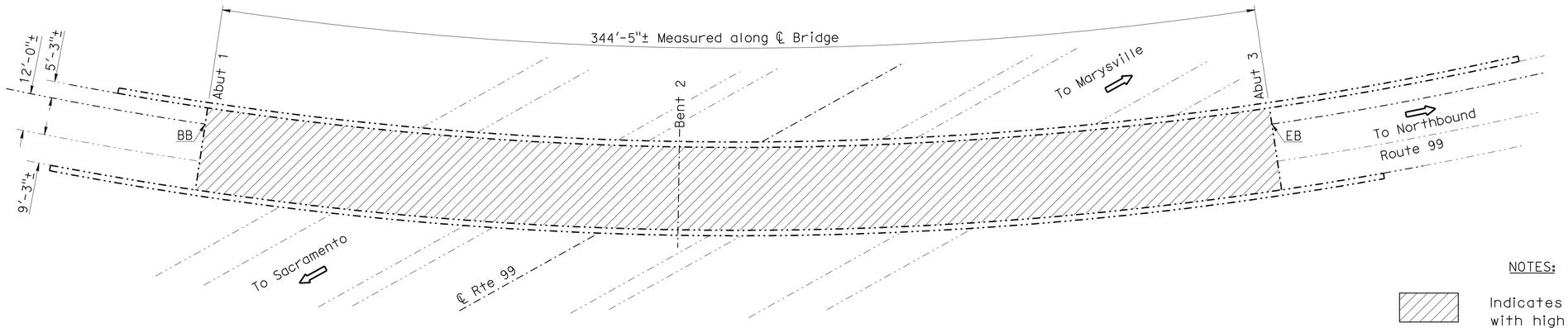
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Sac	5	0.7/30.1	28	30

Thomas J. Bolla 7-29-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

THOMAS J. BOLLA No. C 43811 Exp. 6-30-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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



S5 - N99 CONNECTOR SEPARATION

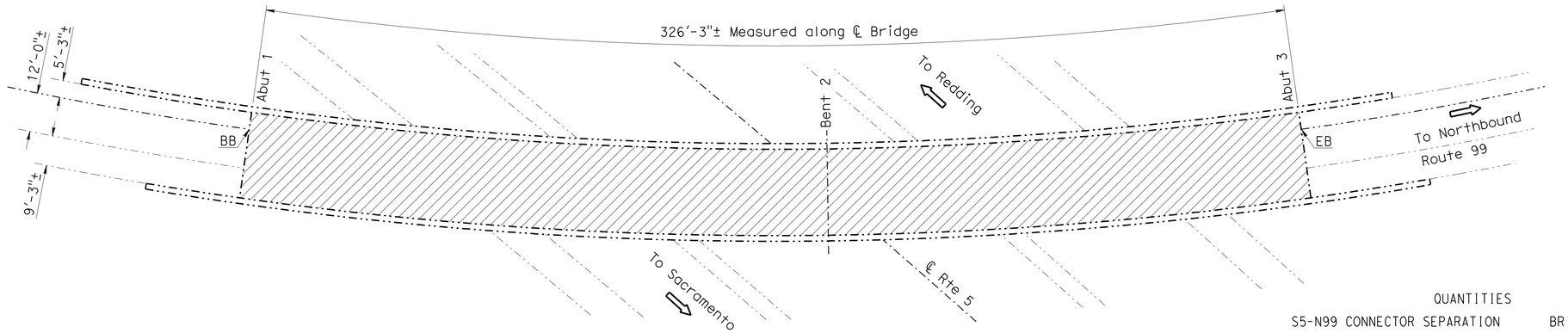
Br No. 24-0354F, ROUTE 5, PM 30.04
1" = 20'

QUANTITIES

S5-N99 CONNECTOR SEPARATION	BRIDGE NO. 24-0354F	
REMOVE UNSOUND CONCRETE	23	CF
CLEAN BRIDGE DECK	9,127	SQFT
RAPID SETTING CONCRETE (PATCH)	23	CF
CORE TREATED BRIDGE DECK	4	EA
TREAT BRIDGE DECK	9,127	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	101	GAL
PUBLIC SAFETY PLAN	LUMP	SUM

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of clean and treat bridge deck with high molecular weight methacrylate and core treated bridge deck. Prior to bridge deck treatment, remove unsound concrete and patch with rapid setting concrete.



S5-N99 CONNECTOR SEPARATION

Br No. 24-0353F, ROUTE 5, PM 30.11
1" = 20'

QUANTITIES

S5-N99 CONNECTOR SEPARATION	BRIDGE NO. 24-0353F	
REMOVE UNSOUND CONCRETE	22	CF
CLEAN BRIDGE DECK	8,646	SQFT
RAPID SETTING CONCRETE (PATCH)	22	CF
CORE TREATED BRIDGE DECK	4	EA
TREAT BRIDGE DECK	8,646	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	96	GAL
PUBLIC SAFETY PLAN	LUMP	SUM

Matthew A. Lee 7-29-09
DESIGN ENGINEER

DESIGN	BY T. Bolla	CHECKED P. Kang	LAYOUT	BY David Kish	CHECKED P. Kang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN
DETAILS	BY David Kish	CHECKED P. Kang	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang		
QUANTITIES	BY T. Bolla	CHECKED P. Kang					

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 03604
EA 3M3401

BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 5 BRIDGES
GENERAL PLAN NO. 8

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES										SHEET	OF
1-30-09	3-04-09	3-13-09	7-22-09							8	10

FILE => 03-3m3401_gp08.dgn

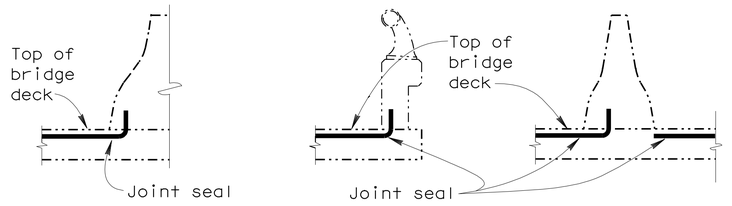
USERNAME => tmikesl DATE PLOTTED => 26-JAN-2010 TIME PLOTTED => 05:44

JOINT SEAL TABLE

BRIDGE NUMBER	LOCATION		MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)	APPROX DEPTH OF JOINT SPALLS (INCHES)	APPROX WIDTH OF JOINT SPALLS (INCHES)	APPROX LENGTH OF JOINT SPALLS (FEET)
24-0260L	Abut 1	BB	1	39.6	NO	12	6	6	6
	Abut 5	EB	1	39.6	NO	12	6	6	6
24-0261L	Abut 1	BB	½	38.8	NO	12	6	6	6
	Hinge (Span 4)	H	2	39.0	YES	8	-	-	-
	Hinge (Span 8)	H	2	39.0	YES	8	-	-	-
	Hinge (Span 13)	H	2	39.0	YES	8	-	-	-
	Abut 17	EB	1	39.0	NO	12	6	6	6
24-0261R	Abut 1	BB	½	38.8	NO	12	-	-	-
	Abut 17	EB	½	38.8	NO	12	-	-	-
24-0251	Abut 1	BB	½	135.7	NO	11½	-	-	-
	Abut 3	EB	½	135.7	NO	11½	-	-	-
24-0252	Abut 1	BB	½	168.9	NO	11½	-	-	-
	Abut 2	EB	½	183.8	NO	11½	-	-	-
24-0253	Abut 1	BB	1	141.6	NO	11½	-	-	-
	Abut 2	EB	1	150.1	NO	11½	-	-	-
24-0269G	Abut 1	BW	½	32.3	YES	6	-	-	-
	Abut 5	BW	1	32.5	YES	6	6	6	6
24-0270H	Abut 1	BB	½	20.3	NO	11½	-	-	-
	Abut 1	BW	½	58.9	YES	6	-	-	-
	Bent 2	℄	1½	54.2	YES	6	-	-	-
	Bent 3	℄	1½	48.5	YES	6	-	-	-
	Bent 4	℄	1½	48.5	YES	6	-	-	-
	Bent 5	℄	1½	48.5	YES	6	-	-	-
	Abut 6	EB	1	48.9	NO	12	-	-	-
24-0272K	Abut 1	BB	1*	98.6	NO	11½	-	-	-
	Abut 4	EB	1	32.9	NO	11½	-	-	-

LEGEND:

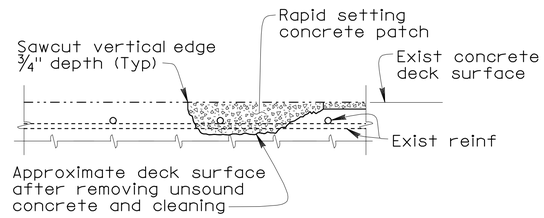
BB - Paving Notch at beginning of bridge
EB - Paving Notch at end of bridge
℄ - Bent Joint
BW - Abutment backwall joint
H - Hinge Joint
* - Indicates Silicone Joint Seal



BARRIER RAIL

JOINT SEAL AT LOW SIDE OF DECK

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



DECK REPAIR DETAIL

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

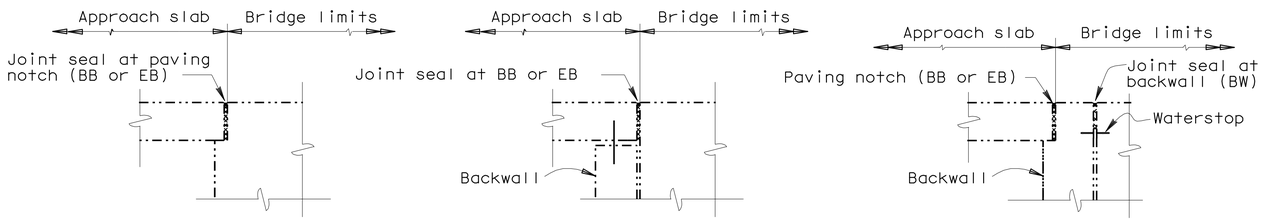
The following notes apply to JOINT SEAL TYPE B:

1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.
3) W1 shall be the smaller of the values determined as follows:
   A) 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
   B) The width of the seal on the third successive test cycle of the pressure deflection test, when compressed to an average pressure of 3 psi.
4) Bend Type B joint seal 6" up into curb or rail on the low side of the deck where deck joint matches curb or rail joint.
5) For details not shown, see RSP B6-21

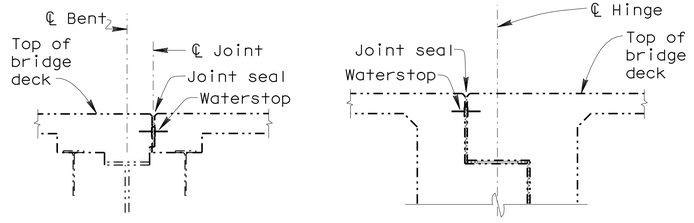
DECK REPAIR TABLE
REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)

BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
LOST SLOUGH	24-0261R	1	3
ELK GROVE BLVD OVERCROSSING	24-0277	1	3
LAGUNA BLVD OVERCROSSING	24-0359	1	3
43 RD AVENUE UNDERCROSSING	24-0251	1	3
35 TH AVENUE UNDERCROSSING	24-0252	1	3
SEAMAS AVENUE UNDERCROSSING	24-0253	1	3
RIVERSIDE BLVD UNDERCROSSING	24-0255	1	3
SOUTH CONNECTOR UNDERCROSSING	24-0267	1	3
N&S5 - E50 CONNECTOR	24-0270H	1	3
P STREET OVERCROSSING	24-0272K	1	3
S5 - N99 CONNECTOR SEPERATION	24-0354F	1	3
S5 - N99 CONNECTOR SEPERATION	24-0353F	1	3

Locations to be determined by the Engineer. For details see "DECK REPAIR DETAIL".



DIAPHRAGM ABUTMENT | ABUTMENT WITH BACKWALL / APPROACH SLAB | ABUTMENT WITH BACKWALL



BENT | HINGE

JOINT SEAL LOCATION

NO SCALE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Sac	5	0.7/30.1	29	30

Thomas J. Bolla 7-29-09
REGISTERED CIVIL ENGINEER DATE

1-25-10
PLANS APPROVAL DATE

THOMAS J. BOLLA No. C 43811 Exp. 6-30-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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

		BY	CHECKED
DESIGN		T. Bolla	P. Kang
DETAILS		David Kish	P. Kang
QUANTITIES		T. Bolla	P. Kang

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

CU 03604
EA 3M3401

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 5 BRIDGES

JOINT SEAL DETAILS NO. 1

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 5/17/06)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 1-30-09 | 3-05-09 | 3-13-09 | 7-22-09

SHEET 9 OF 10

FILE => 03-3m3401_jtsdet01.dgn

USERNAME => trmikesl DATE PLOTTED => 26-JAN-2010 TIME PLOTTED => 05:44

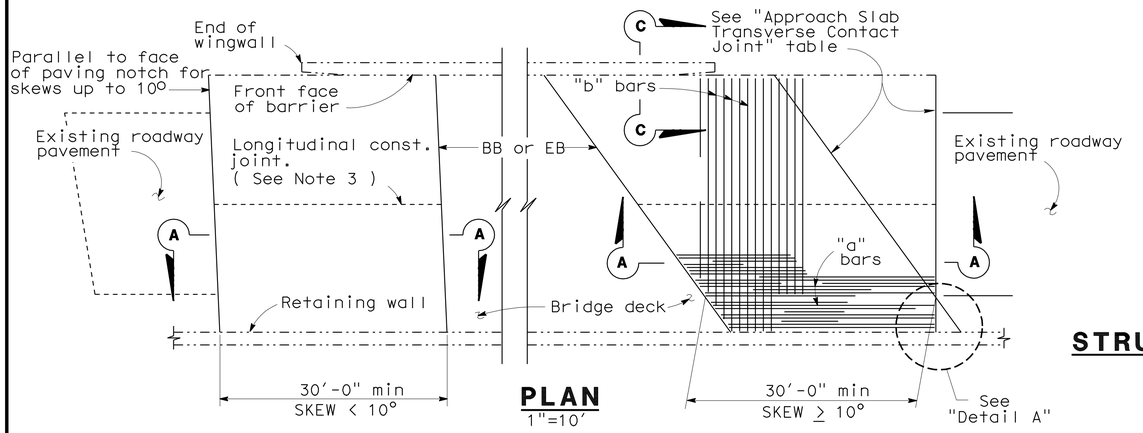
DIST.	COUNTY	ROUTE	MILE POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5	0.7/30.1	30	30

Thomas J. Bolla 7-29-09
REGISTERED ENGINEER - CIVIL

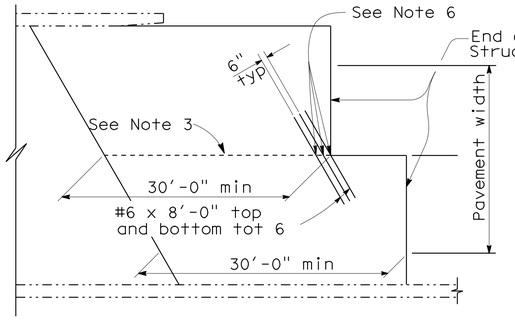
1-25-10
PLANS APPROVAL DATE

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.

REGISTERED PROFESSIONAL ENGINEER
THOMAS J. BOLLA
No. C 43811
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

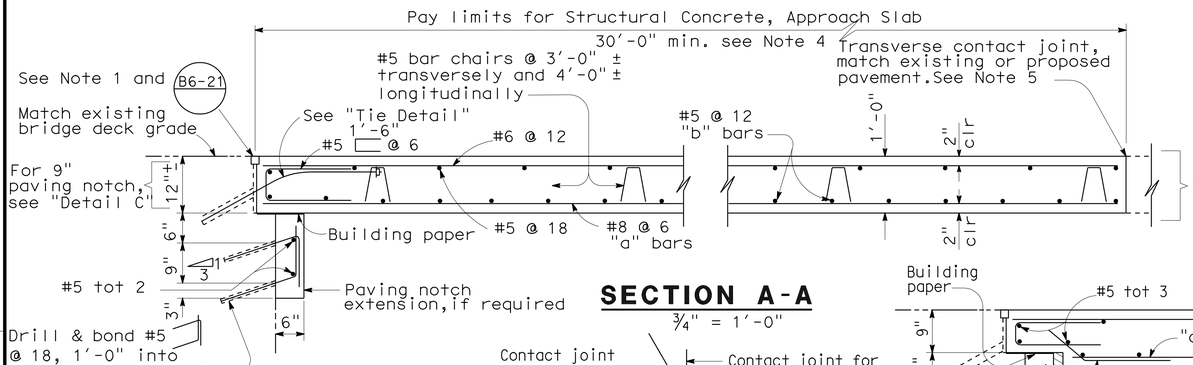


PLAN
1"=10'

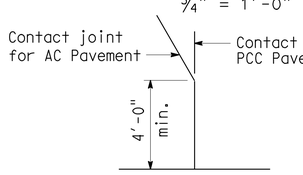


STRUCTURE APPROACH - END STAGGER DETAIL
No Scale

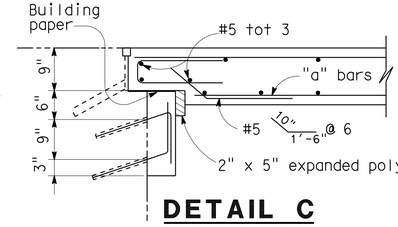
APPROACH SLAB TRANSVERSE CONTACT JOINT		
APPROACH SKEW	WITH AC ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
< 10°	Parallel to face of paving notch	Parallel to face of paving notch
10° - 45°	Parallel to face of P N use (Detail A)	Stagger lines 24' to 36' apart
> 45°	Parallel to face of P N use (Detail A)	Stagger at each lane line



SECTION A-A
¾" = 1'-0"

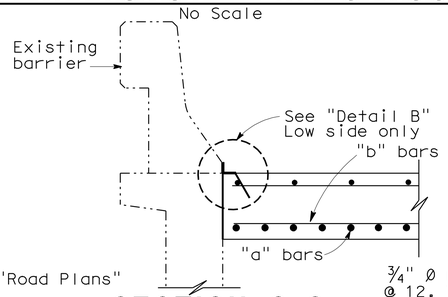


DETAIL A
No Scale

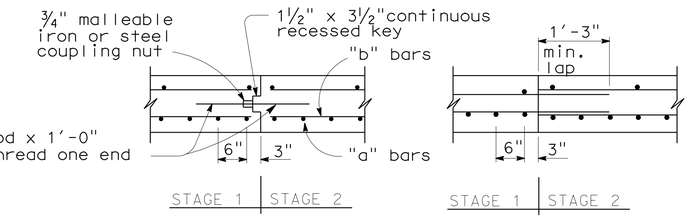


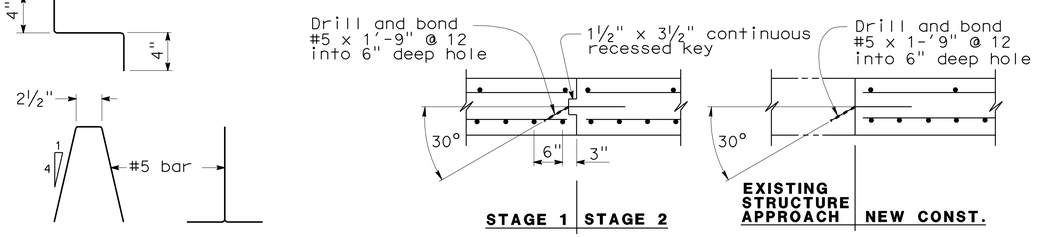
DETAIL C
¾" = 1'-0"

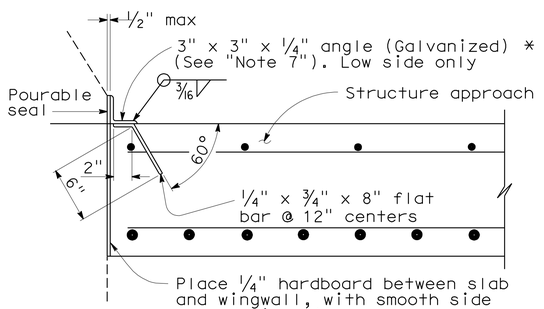
NOTE: For details not shown,see "Section A-A".



SECTION C-C
¾" = 1'-0"

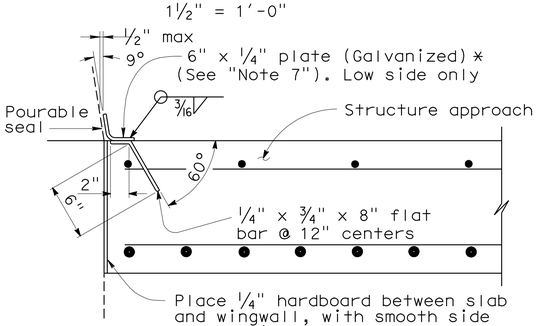






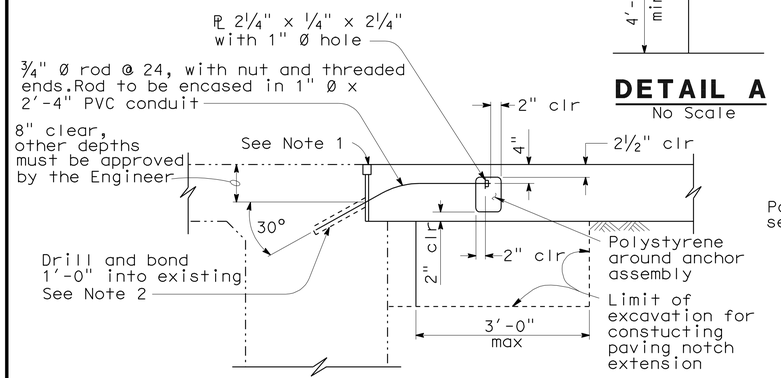
*(TO BE USED WITH TYPE 25 OR TYPE 27 CONCRETE BARRIER)

DETAIL B
1½" = 1'-0"



*(TO BE USED WITH TYPE 732 OR TYPE 736 CONCRETE BARRIER)

BAR CHAIR DETAIL
1½" = 1'-0"



TIE DETAIL
¾" = 1'-0"

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

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 Standard Plan P10.
6. Couplers are required for stage construction.
7. End angle or plate at beginning of barrier transition, end of wingwall or end of structure approach as applicable.

STANDARD DRAWING				
RELEASE DATE 3/14/05	DESIGN	BY M.TRAFFALIS	CHECKED E.THORKILDSEN	RELEASED BY
FILE NO. xs3-140e	DETAILS	BY R.YEE	CHECKED E.THORKILDSEN	
	SUBMITTED	BY M.HA	DRAWING DATE 8/92	OFFICE CHIEF

DS OSD 2147A (ENGLISH) (REV. X/XX/XX)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

CU 03604
EA 3M3401

BRIDGE NO. VARIOUS
MILE POST VARIES

ROUTE 5 BRIDGES
STRUCTURE APPROACH TYPE R(30D)

DISREGARD PRINTS BEARING EARLIER REVISION DATES →
REVISION DATES (PRELIMINARY STAGE ONLY): 3-06-09 | 3-13-09 | 7-22-09

SHEET 10 OF 10

USERNAME => trmikesl

DATE PLOTTED => 26-JAN-2010 TIME PLOTTED => 05:45

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