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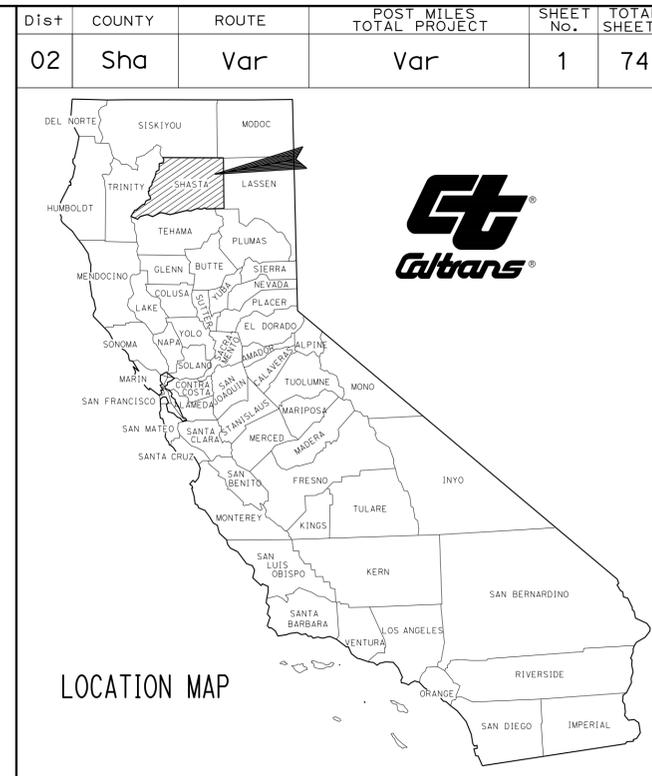
STRUCTURE PLANS

59-74 ROUTE 5, 44, 151, 273, 299 BRIDGES

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

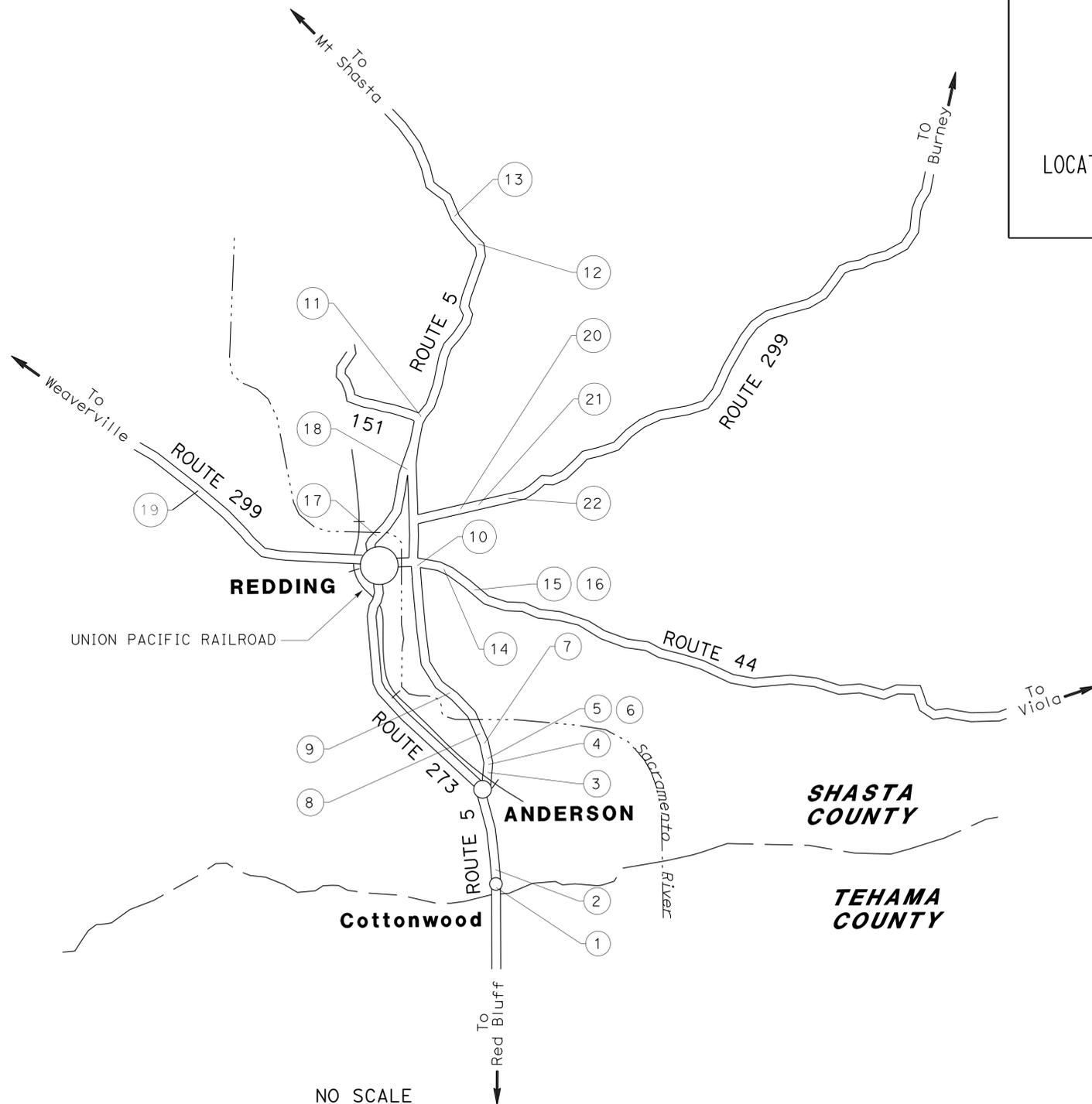
STATE OF CALIFORNIA ACSTP-X089(107)E
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SHASTA COUNTY
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



LOCATIONS OF CONSTRUCTION

NO.	COUNTY	RTE	PM	BR NO.	BRIDGE NAME
1	SHA	5	0.66	06-0016	FIRST STREET OC
2	SHA	5	0.91	06-0037	FOURTH ST OC
3	SHA	5	R4.29	06-0145R	DESCHUTES ROAD UC
4	SHA	5	R5.04	06-0142L	ANDERSON CREEK
5	SHA	5	R5.29	06-0140L	BALLS FERRY UC
6	SHA	5	R5.29	06-0140R	BALLS FERRY UC
7	SHA	5	R5.64	06-0141L	NORTH ST UC
8	SHA	5	R5.89	06-0144R	TORMEY DRAIN
9	SHA	5	R9.77	06-0134	KNIGHTON ROAD OC
10	SHA	5	R15.31	06-0099G	N5-E44 CONNECTOR OC
11	SHA	5	R22.14	06-0156	ROUTE 151/5 SEPARATION
12	SHA	5	R29.29	06-0130L	TURNTABLE BAY ROAD UC
13	SHA	5	R30.23	06-0147L	POWER LINE ROAD UC
14	SHA	44	R0.38	06-0191	CHURN CREEK ROAD OC
15	SHA	44	R1.56	06-0153L	CHURN CREEK
16	SHA	44	R1.56	06-0153R	CHURN CREEK
17	SHA	273	17.08	06-0014	SACRAMENTO RIVER BRIDGE
18	SHA	273	20.00	06-0137G	N273-N5 CONNECTOR OC
19	SHA	299	14.17	06-0096	WHISKEY CREEK BRIDGE
20	SHA	299	25.54	06-0177L	HAWLEY ROAD UC
21	SHA	299	25.71	06-0043L	CHURN CREEK
22	SHA	299	27.22	06-0178L	OLD OREGON TRAIL UC



NO SCALE

William D. Sutherland 02-26-13
 PROJECT ENGINEER REGISTERED CIVIL ENGINEER DATE
April 29, 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.



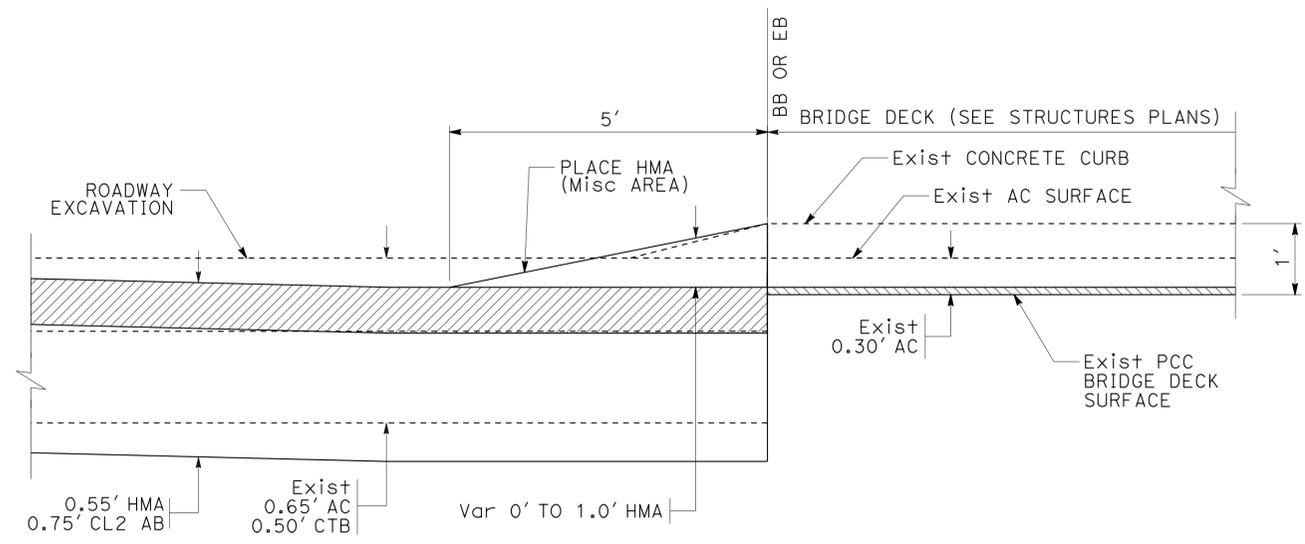
CONTRACT No.	02-4E5304
PROJECT ID	0200020318

PROJECT MANAGER: ERIC AKANA
 DESIGN ENGINEER: JOHN MARTIN
 P:\proj\1\02\4E5304\plans\pse\0200020318\cb001.dgn

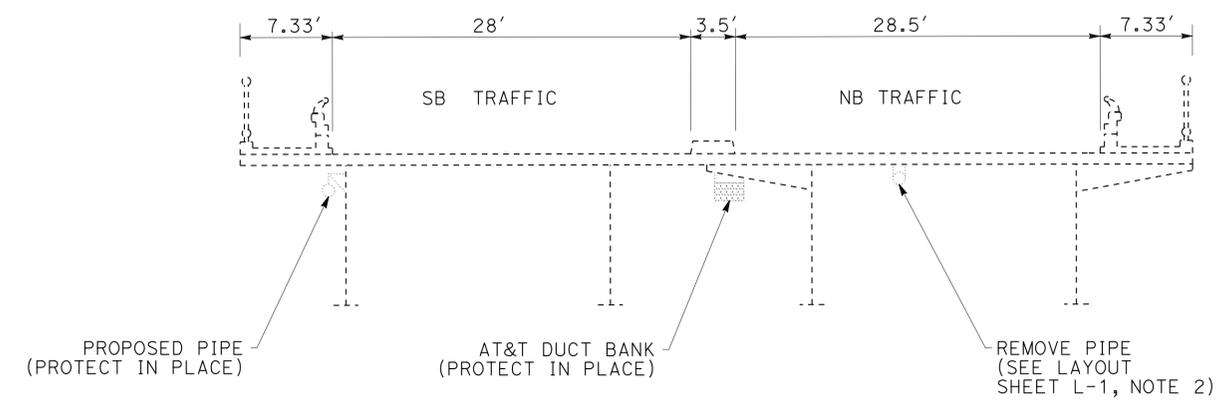
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	3	74
<i>William D. Sutherland</i> REGISTERED CIVIL ENGINEER			02-26-13	DATE	
4-29-13 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					

NOTE:

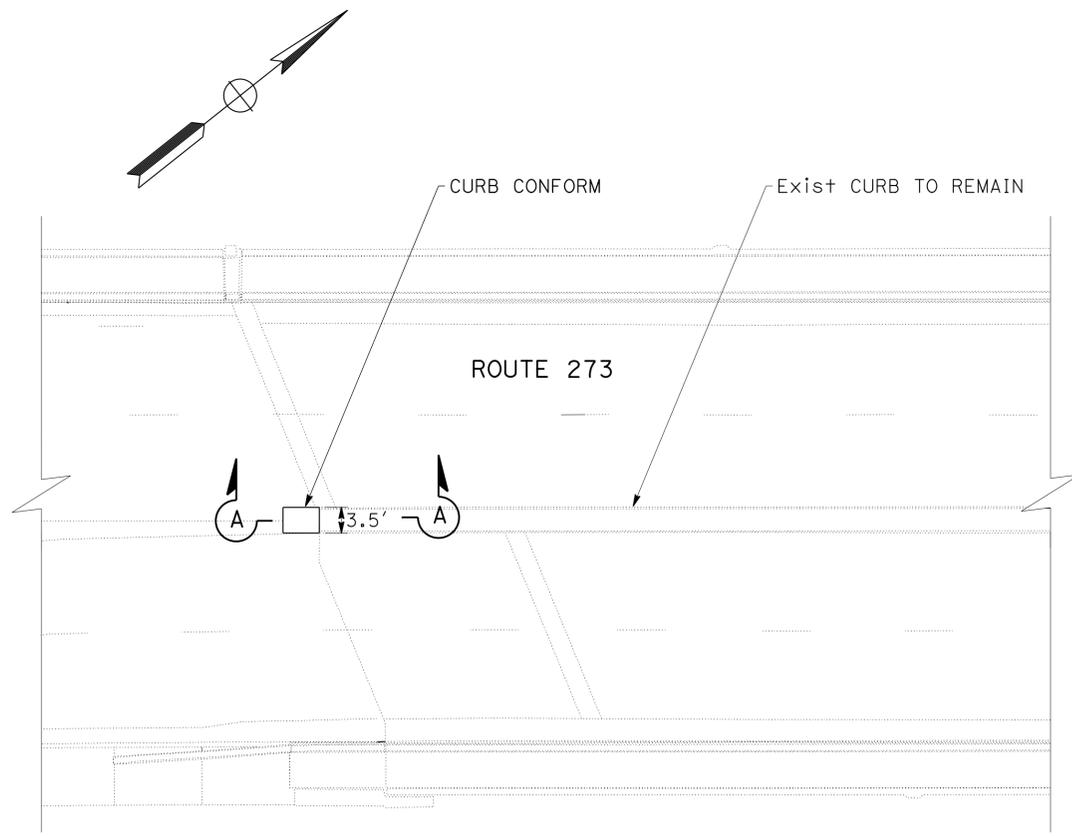
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



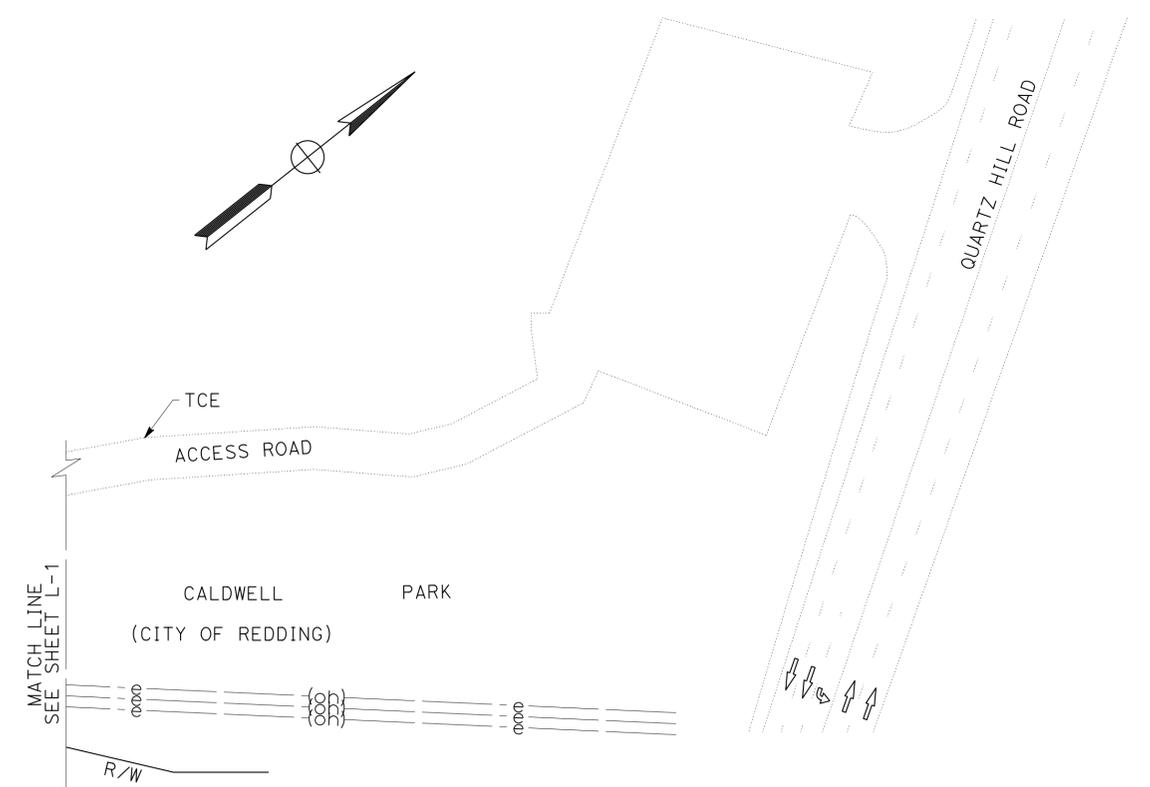
**SECTION A-A
CURB CONFORM**



TYPICAL SECTION



**CURB CONFORM
BB SHOWN
EB MIRROR**



**LOCATION 17
LAYOUT
NO SCALE**

LOCATION 17, SACRAMENTO RIVER, Br No. 06-0014

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 FUNCTIONAL SUPERVISOR: JOHN MARTIN
 CHECKED BY: [blank]
 DESIGNED BY: [blank]
 REVISIONS: [blank]
 REVISED BY: [blank] DATE: [blank]
 BILL SUTHERLAND
 JOHN MARTIN
 USERNAME => s124496
 DGN FILE => 0200020318ea002.dgn
 BORDER LAST REVISED 7/2/2010
 UNIT 0315
 PROJECT NUMBER & PHASE 02000203181

LAST REVISION: [blank] DATE PLOTTED => 30-APR-2013
 02-25-13 TIME PLOTTED => 13:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	4	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 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.

NOTES:

1. COLD PLANE ASPHALT CONCRETE FULL WIDTH OF PAVED ROADWAY OR AS SHOWN.
2. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
3. SUPERELEVATION AND CROSS SLOPE TO MATCH EXIST OR AS DIRECTED BY THE ENGINEER.
4. EXIST BRIDGE JOINTS ARE NOT SHOWN ON THIS PLAN.
5. LOCATION 21, CHURN CREEK, WB CONFORM INCLUDES RAMP.
6. LOCATION 21 MAINLINE SHOULDER WIDTHS MATCH SHOULDER WIDTHS AT LOCATIONS 20 AND 22.
7. LOCATION 21 RAMP SHOULDER WIDTHS ARE 4' INSIDE AND 8' OUTSIDE.

ABBREVIATIONS:

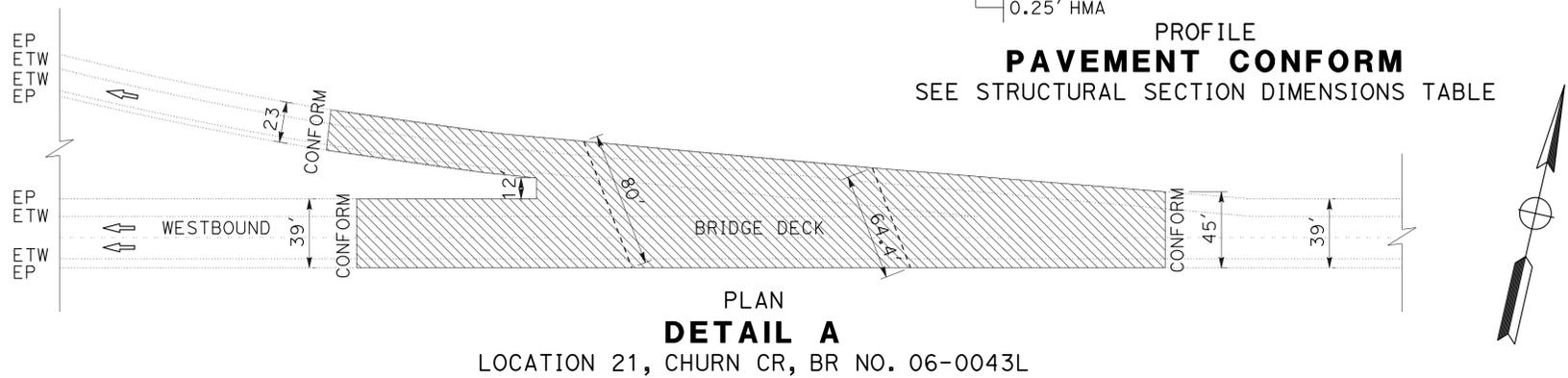
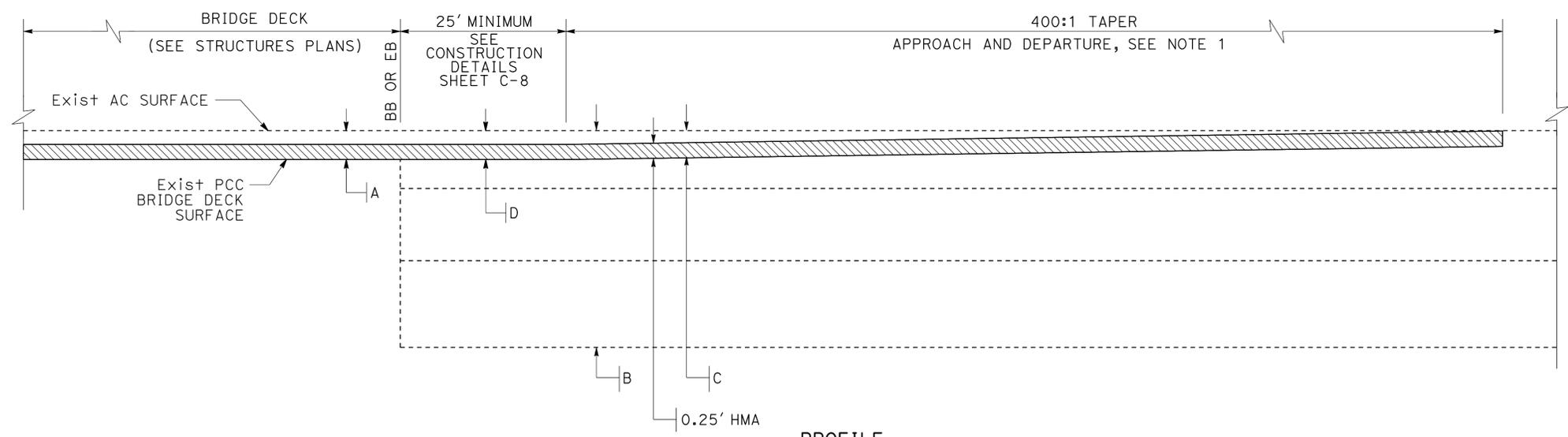
- CPACP COLD PLANE ASPHALT CONCRETE PAVEMENT
 (E) EXISTING
 HMA HOT MIX ASPHALT (TYPE A)
 PCO POLYESTER CONCRETE OVERLAY (SEE STRUCTURE PLANS)
 VAR VARIES
 VC VEGETATION CONTROL

LEGEND:



STRUCTURAL SECTION DIMENSIONS

LOCATION NO.	BRIDGE NAME	BRIDGE NO.	A		B			C	D	ROADWAY WIDTH
			(E)AC (BR) FT	(E)AC (ROADWAY) FT	(E) AB FT	(E) PCC FT	(E) CTB FT	CPACP FT	CPACP FT	FT
10	N5-E44 CONNECTOR OC	06-0099G	0.40	0.80	1.00			0.25-0.40	0.40	24
12	TURNTABLE BAY ROAD UC	06-0130L	0.45	0.70		0.70	0.85	0.25-0.45	0.45	39.7
18	N273-N5 CONNECTOR OC	06-0137G	0.40	0.70	0.85			0.25-0.40	0.40	28
20	HAWLEY ROAD UC	06-0177L	0.55	0.83	1.15			0.25-0.55	0.55	39
21	CHURN CREEK	06-0043L	0.55	0.75	1.0-1.2			0.25-0.55	0.55	SEE DETAIL A
22	OLD OREGON TRAIL UC	06-0178L	0.45	0.60	0.75			0.25-0.45	0.45	39



LOCATION 21, CHURN CR, BR NO. 06-0043L
DETAIL A
 NO SCALE

LOCATIONS 10,12,18,20-22
CONSTRUCTION DETAILS
 NO SCALE **C-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 BILL SUTHERLAND
 JOHN MARTIN
 JOHN MARTIN
 REVISIONS: 12-22-12, 02-MAY-2013

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	5	74

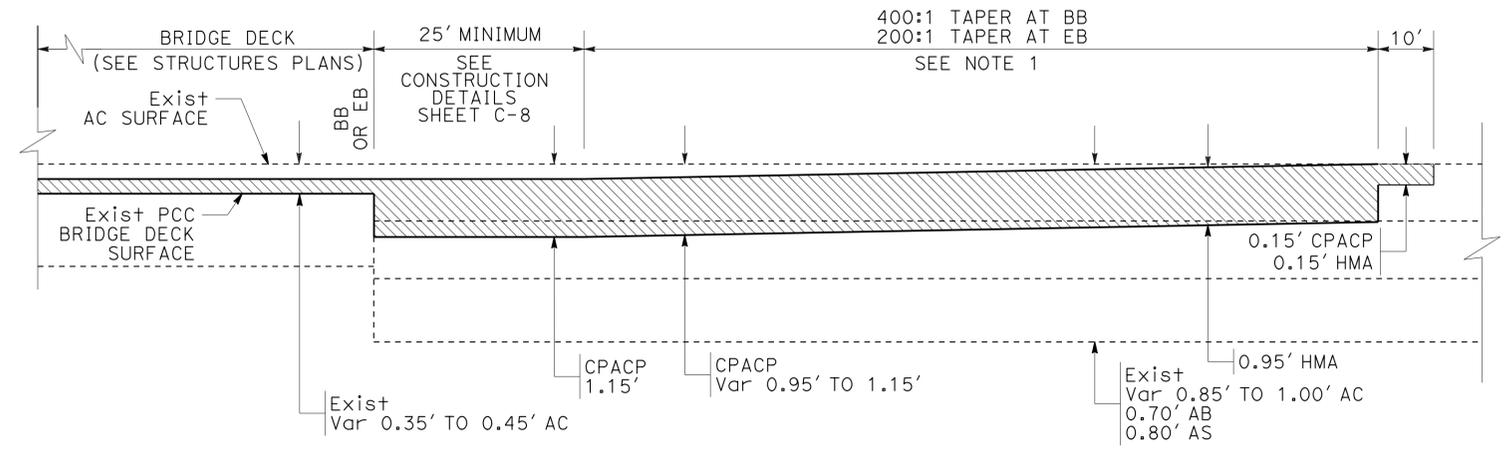
<i>William D. Sutherland</i>	02-26-13
REGISTERED CIVIL ENGINEER	DATE
4-29-13	
PLANS APPROVAL DATE	

W. D. SUTHERLAND
No. C61579
Exp. 6-30-13
CIVIL

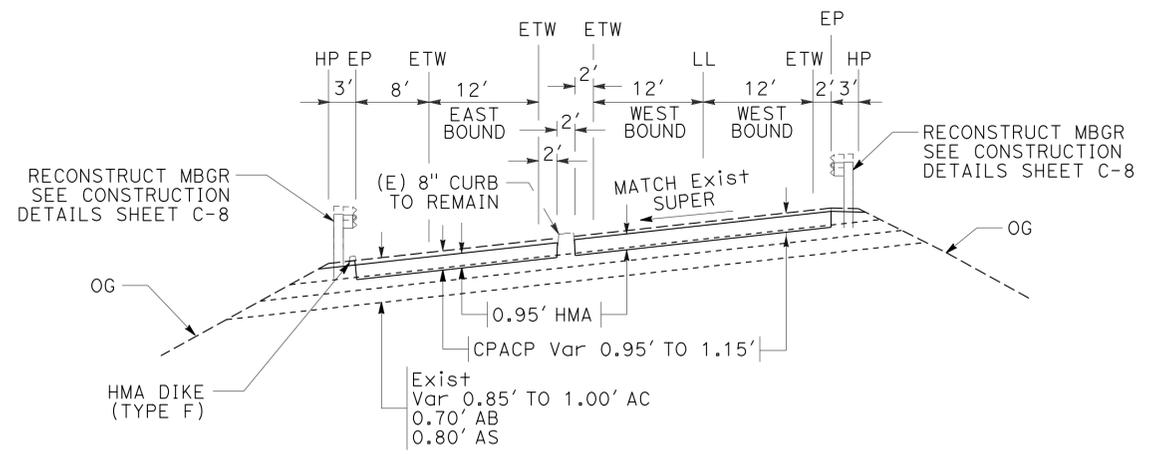
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

1. COLD PLANE ASPHALT CONCRETE FULL WIDTH OF PAVED ROADWAY OR AS SHOWN BELOW.



PROFILE
PAVEMENT CONFORM
 LOCATION 11, 151/5 SEPARATION, Br No. 06-0156



SECTION
PAVEMENT CONFORM
 LOCATION 11, 151/5 SEPARATION, BR NO. 06-0156

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR JOHN MARTIN
 CHECKED BY
 DESIGNED BY
 BILL SUTHERLAND JOHN MARTIN
 REVISED BY DATE REVISIONS

**LOCATIONS 11
 CONSTRUCTION DETAILS**
 NO SCALE
C-2

LAST REVISION DATE PLOTTED => 30-APR-2013 12-22-12 TIME PLOTTED => 13:17

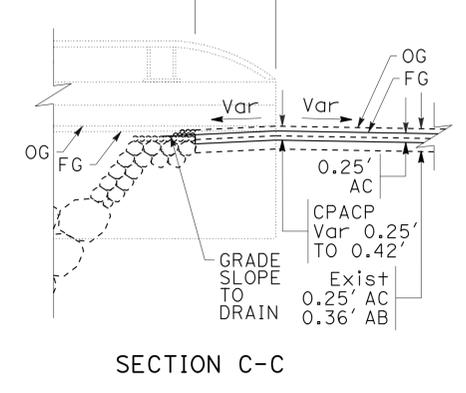
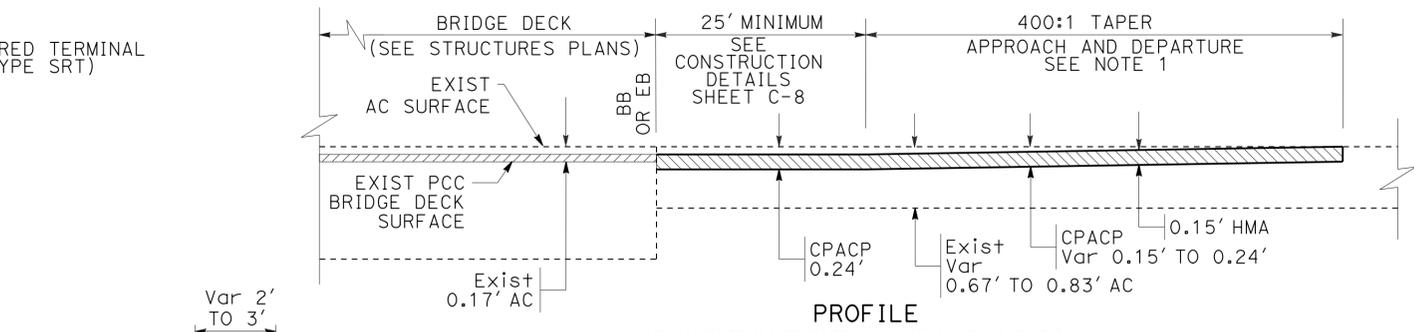
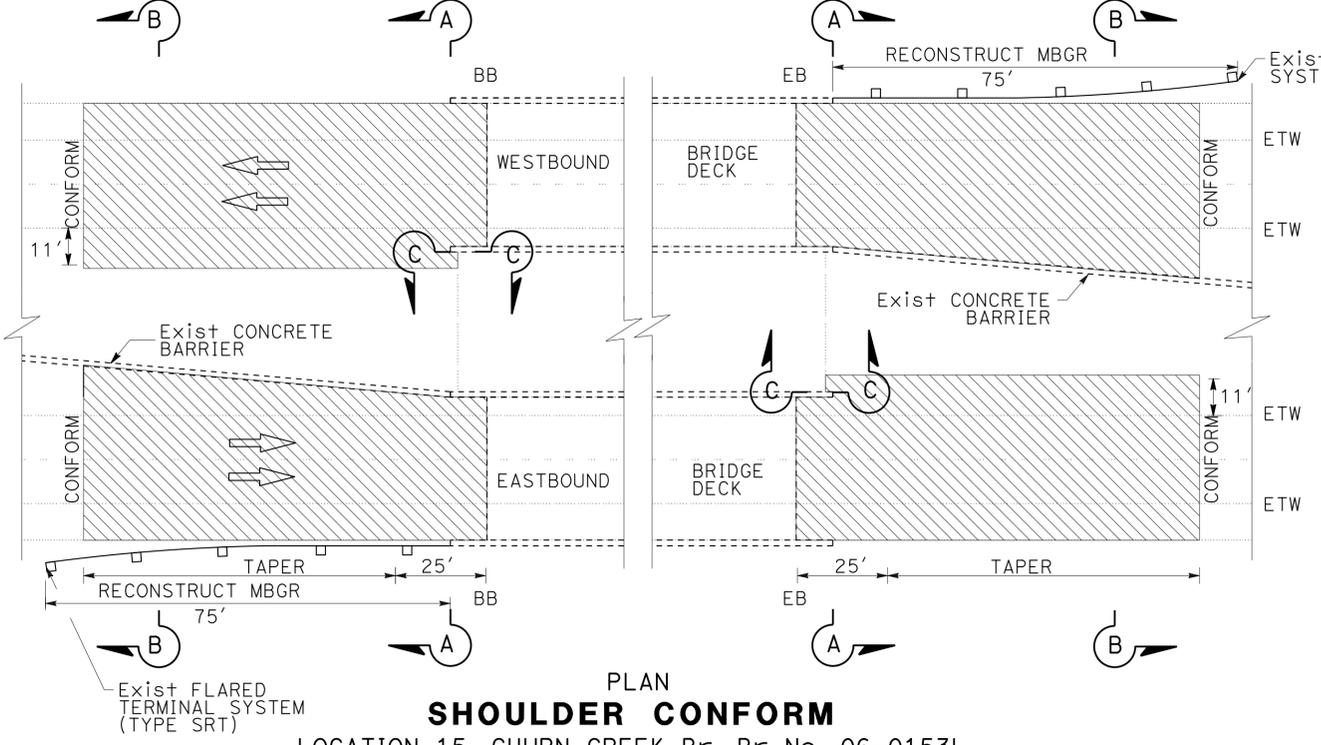
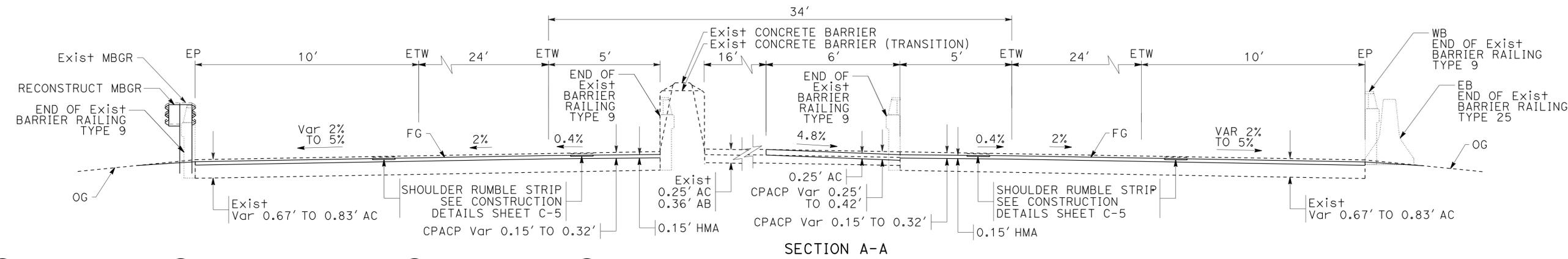
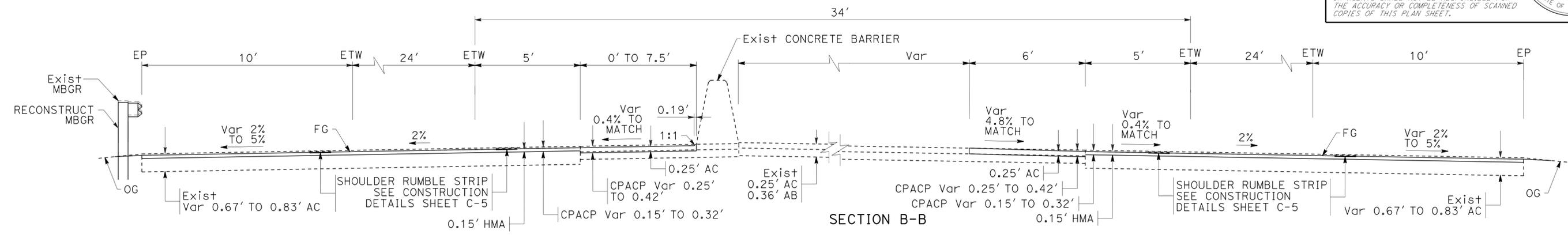
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	6	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

W. D. SUTHERLAND
 No. C61579
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

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NOTE:
 1. COLD PLANE ASPHALT CONCRETE FULL WIDTH OF PAVED ROADWAY OR AS SHOWN BELOW.



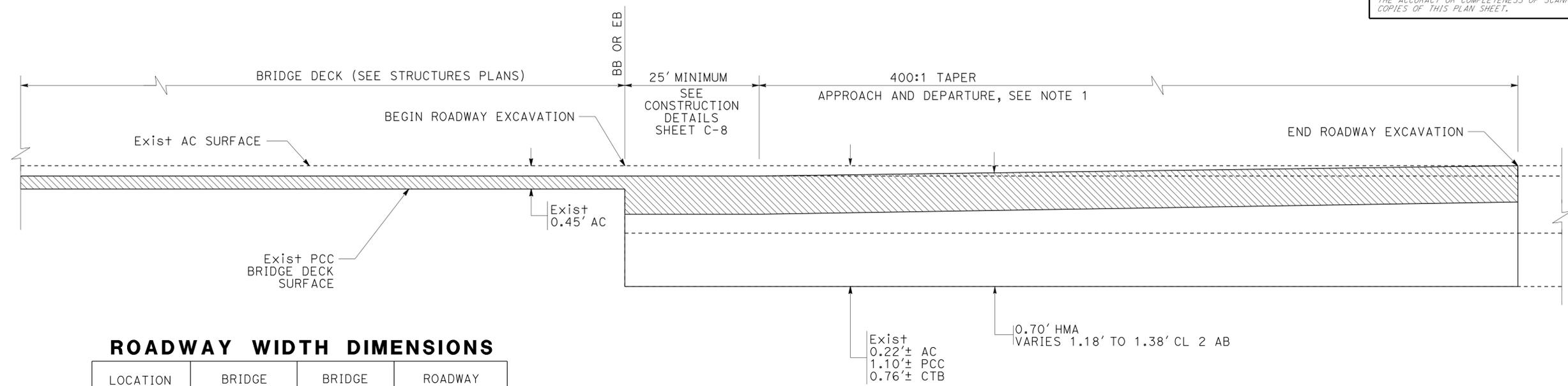
LOCATION 15, CHURN CREEK Br, Br No. 06-0153L
 LOCATION 16, CHURN CREEK Br, Br No. 06-0153R

LOCATIONS 15,16
CONSTRUCTION DETAILS
 NO SCALE

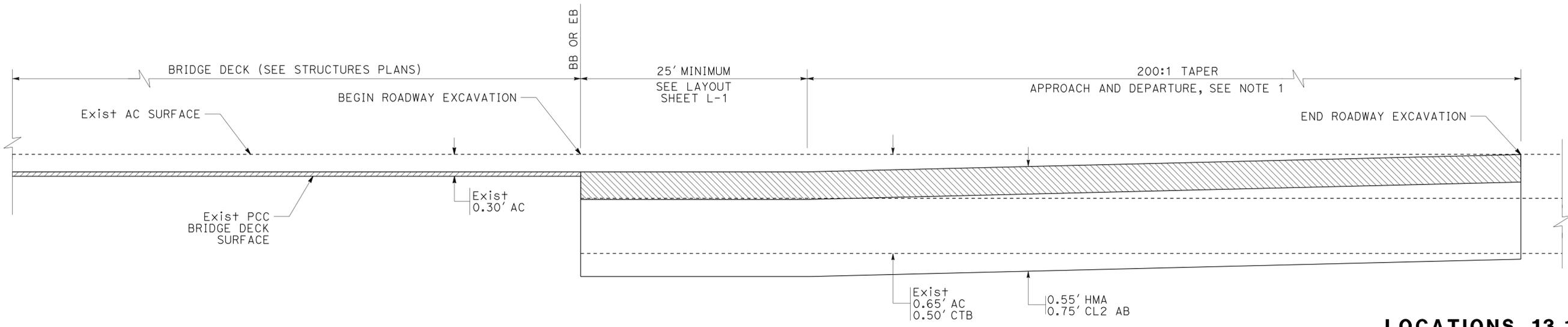
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 BILL SUTHERLAND
 JOHN MARTIN
 JOHN MARTIN
 REVISOR BY DATE
 CHECKED BY
 FUNCTIONAL SUPERVISOR
 CALICATED/DESIGNED BY
 REVISOR BY DATE
 USERNAME => s124496
 DGN FILE => 0200020318ga003.dgn
 BORDER LAST REVISED 7/2/2010
 RELATIVE BORDER SCALE 1/8" = 1'-0" INCHES
 UNIT 0315
 PROJECT NUMBER & PHASE 02000203181

LAST REVISION DATE PLOTTED => 30-APR-2013
 02-25-13 TIME PLOTTED => 13:17

NOTE:
 1. COLD PLANE ASPHALT CONCRETE OR ROADWAY EXCAVATION FULL WIDTH OF PAVED ROADWAY.



PROFILE
PAVEMENT CONFORM
 LOCATION 13, POWERLINE ROAD UC, Br No. 06-0147L



PROFILE
PAVEMENT CONFORM
 LOCATION 17, SACRAMENTO RIVER, Br No. 06-0014

LOCATIONS 13,17
CONSTRUCTION DETAILS
 NO SCALE
C-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 CALTRANS
 FUNCTIONAL SUPERVISOR JOHN MARTIN
 CHECKED BY
 CALCULATED/DESIGNED BY
 BILL SUTHERLAND JOHN MARTIN
 REVISED BY DATE REVISIONS
 USERNAME => s121614
 DGN FILE => 0200020318ga004.dgn
 BORDER LAST REVISED 7/2/2010
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LAST REVISION DATE PLOTTED => 02-MAY-2013
 02-25-13 TIME PLOTTED => 13:12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	8	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

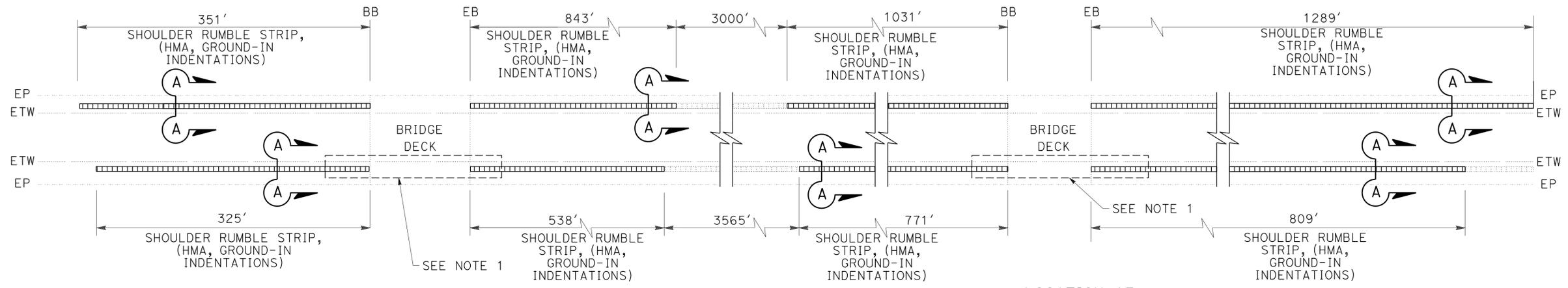
W. D. SUTHERLAND
 No. C61579
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

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NOTE:
1. SHOULDER RUMBLE STRIP REMOVED WITH ROADWAY CONFORM.



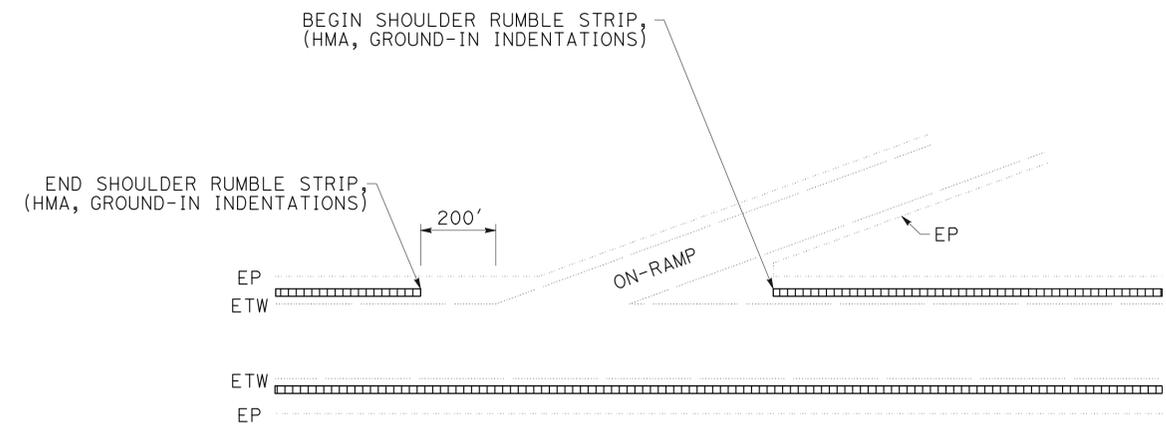
LOCATION 15 CHURN Cr, Br No. 06-0153L
LOCATION 16 CHURN Cr, Br No. 06-0153R



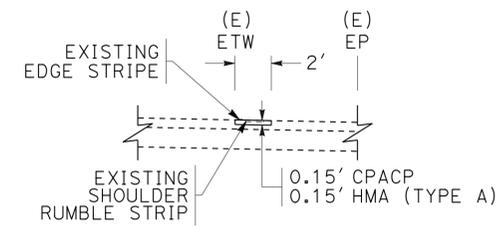
LOCATION 12
TURNTABLE BAY Rd UC, Br No. 06-0130L

LOCATION 13
POWER LINE Rd UC, Br No. 06-0147L

NOTE: LENGTHS SHOWN MEASURED ALONG LANE LINE BETWEEN No. 1 AND No. 2 LANES



SHOULDER RUMBLE STRIP RAMP DETAIL



SECTION A-A

SHOULDER RUMBLE STRIP

**LOCATIONS 12, 13, 15, 16
CONSTRUCTION DETAILS**

NO SCALE

C-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 Et Caltrans
 FUNCTIONAL SUPERVISOR JOHN MARTIN
 CHECKED BY JOHN MARTIN
 CALCULATED/DESIGNED BY
 BILL SUTHERLAND JOHN MARTIN
 REVISED BY DATE
 USERNAME => s124496
 DGN FILE => 0200020318ga005.dgn
 BORDER LAST REVISED 7/2/2010
 UNIT 0315
 PROJECT NUMBER & PHASE 02000203181



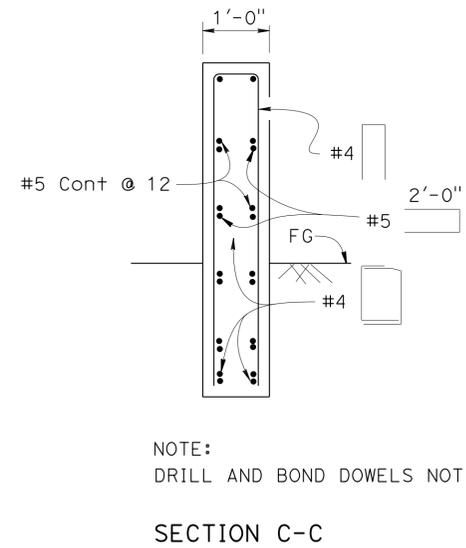
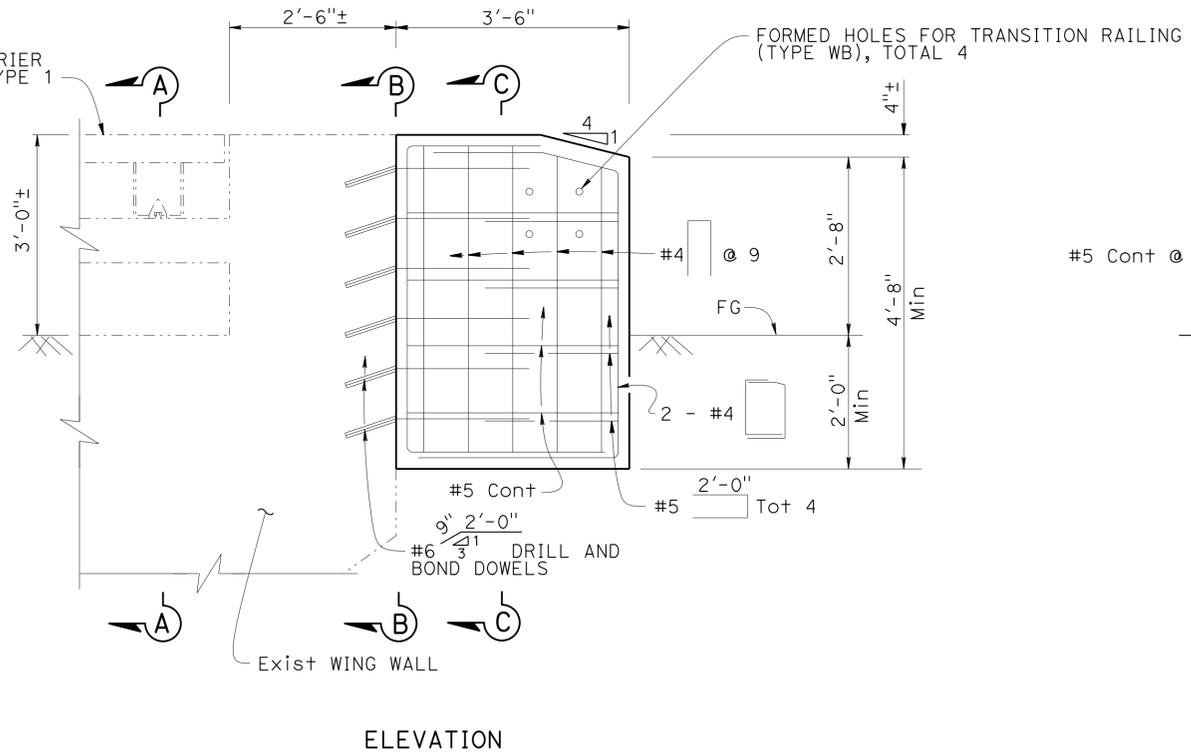
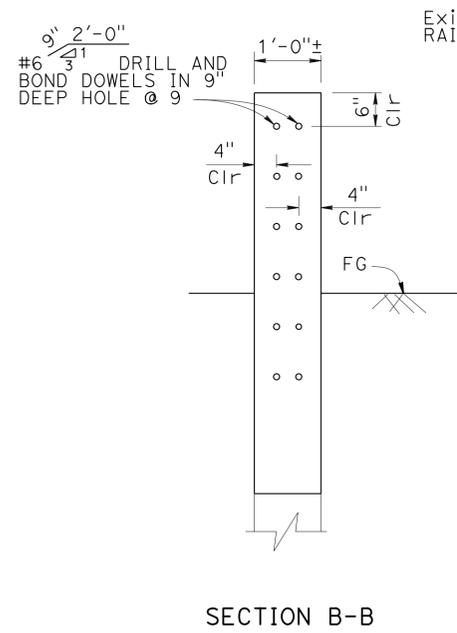
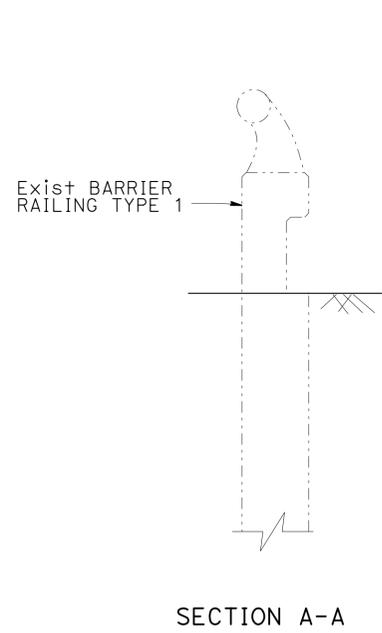
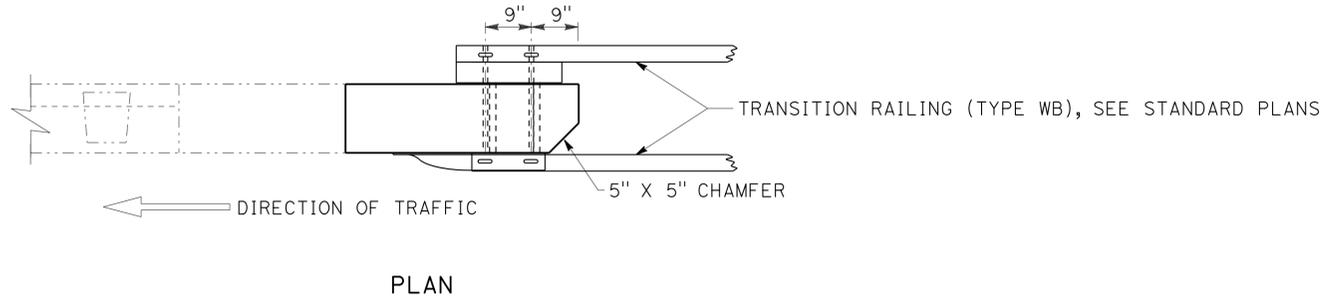
LAST REVISION DATE PLOTTED => 30-APR-2013
 12-22-12 TIME PLOTTED => 13:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	9	74
<i>William D. Sutherland</i> REGISTERED CIVIL ENGINEER			02-26-13 DATE		
4-29-13 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>					

NOTE:

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

DESIGN	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	DATE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	JOHN MARTIN	JOHN MARTIN	BILL SUTHERLAND	
Caltrans			JOHN MARTIN	



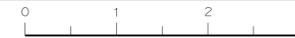
CONCRETE BARRIER (TRANSITION ANCHOR BLOCK), BARRIER RAILING TYPE 1

LOCATION 10, N5-E44 CONNECTOR OC, Br No. 06-0099G
 LOCATION 11 (EB), ROUTE 151/5 SEPARATION, Br No. 06-0156

**LOCATIONS 10,11
 CONSTRUCTION DETAILS**

NO SCALE

C-6

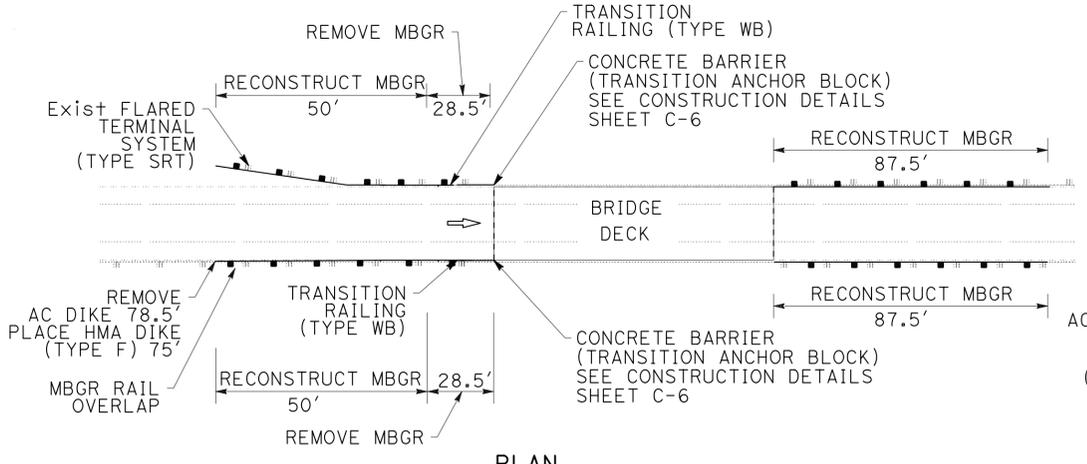


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	11	74

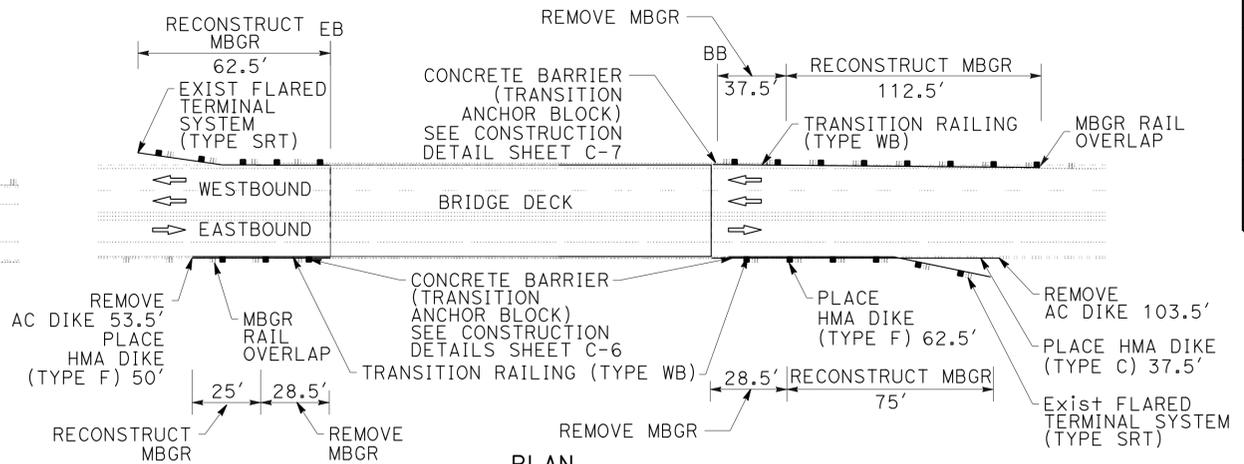
William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

W. D. SUTHERLAND
 No. C61579
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

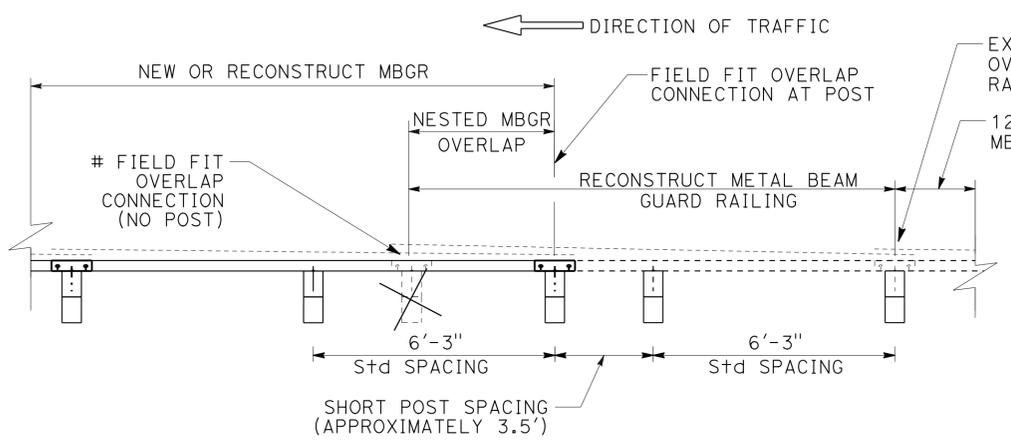
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



RECONSTRUCT METAL BEAM GUARDRAIL
 LOCATION 10, N5-E44 CONNECTOR OC, Br No. 06-0099G

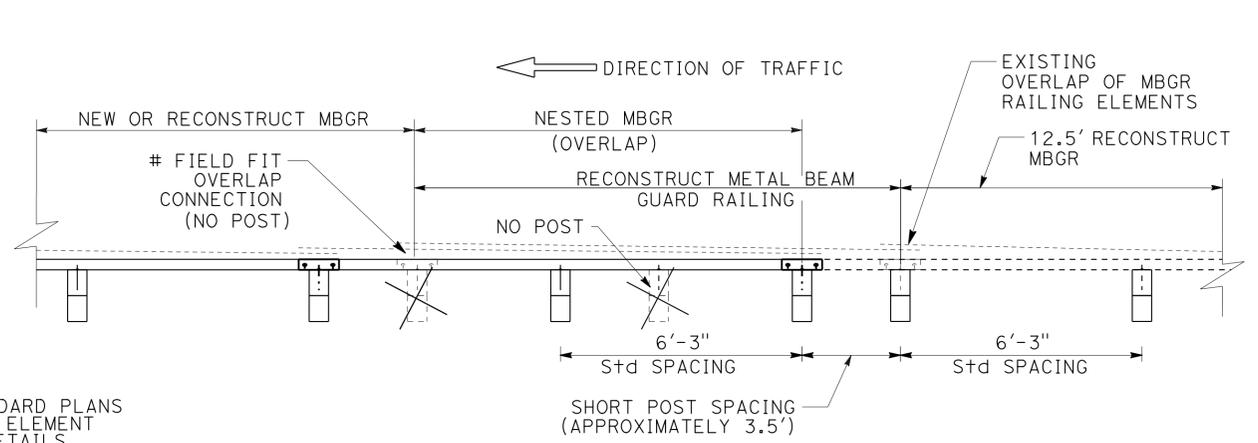


RECONSTRUCT METAL BEAM GUARDRAIL
 LOCATION 11 (WB/EB), ROUTE 151/5 SEPARATION, Br No. 06-0156



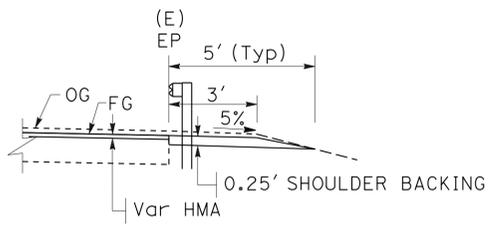
MBGR RAIL OVERLAP DETAIL (REDUCE LENGTH)

LOCATION 10 N5-E44 CONNECTOR OC, Br No. 06-099G
 LOCATION 11 ROUTE 151/5 SEPARATION, Br No. 06-0156



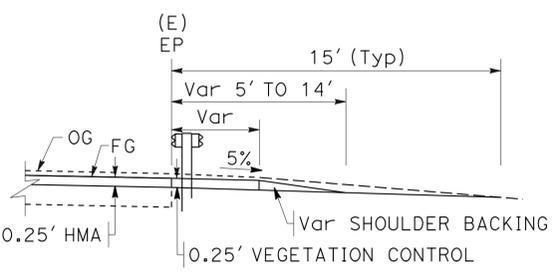
MBGR RAIL OVERLAP DETAIL (EXTEND LENGTH)

LOCATION 12 TURNTABLE BAY Rd UC, Br No. 06-0130L
 LOCATION 13 POWER LINE Rd UC, Br No. 06-0147L



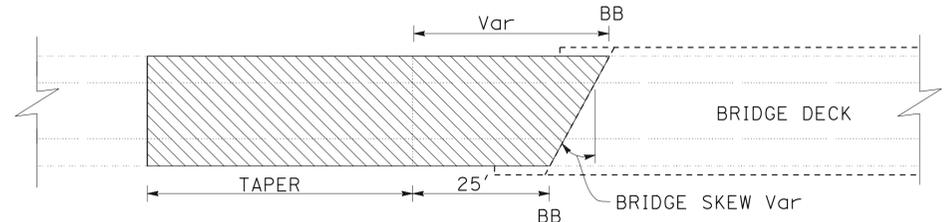
SHOULDER BACKING (Typ)

- LOCATION 10 N5-E44 CONNECTOR OC, Br No. 06-099G
- LOCATION 11 (WB/EB) ROUTE 151/5 SEPARATION, Br No. 06-0156
- LOCATION 12 TURNTABLE BAY Rd UC, Br No. 06-0130L
- LOCATION 13 POWER LINE Rd UC, Br No. 06-0147L
- LOCATION 15 CHURN Cr, Br No. 06-0153L
- LOCATION 16 CHURN Cr, Br No. 06-0153R
- LOCATION 18 N273-N5 Conn OC, Br No. 06-0137G
- LOCATION 20 HAWLEY Rd UC, Br No. 06-0177L (R+)
- LOCATION 21 CHURN Cr, Br No. 06-0043L (R+)
- LOCATION 22 OLD OREGON TRAIL UC, Br No. 06-0178L (R+)



SHOULDER BACKING (TYP)

- LOCATION 20 HAWLEY Rd UC, Br No. 06-0177L (L+)
- LOCATION 21 CHURN Cr, Br No. 06-0043L (L+)
- LOCATION 22 OLD OREGON TRAIL UC, Br No. 06-0178L (L+)



PAVEMENT CONFORM DETAIL

APPROACH SHOWN
 DEPARTURE SIMILAR

LOCATIONS 10-13, 15, 16, 18, 20-22 CONSTRUCTION DETAILS

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 BILL SUTHERLAND
 JOHN MARTIN
 JOHN MARTIN
 JOHN MARTIN

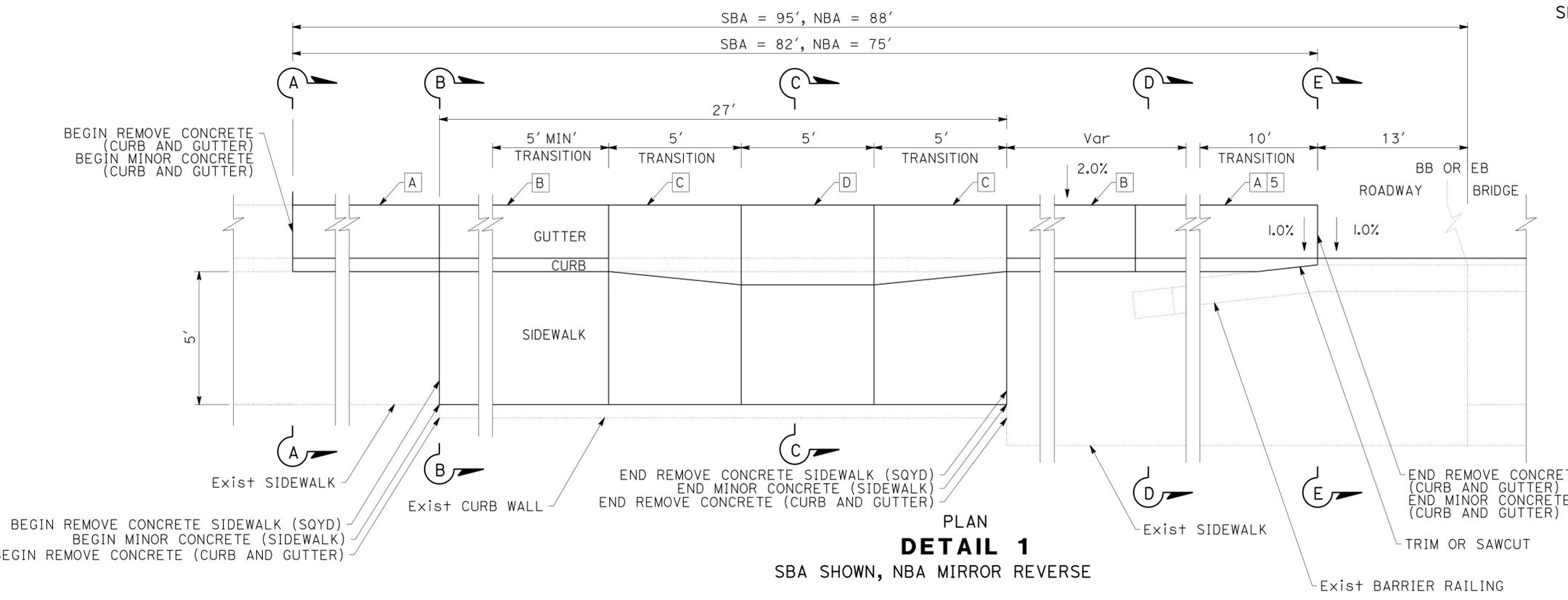
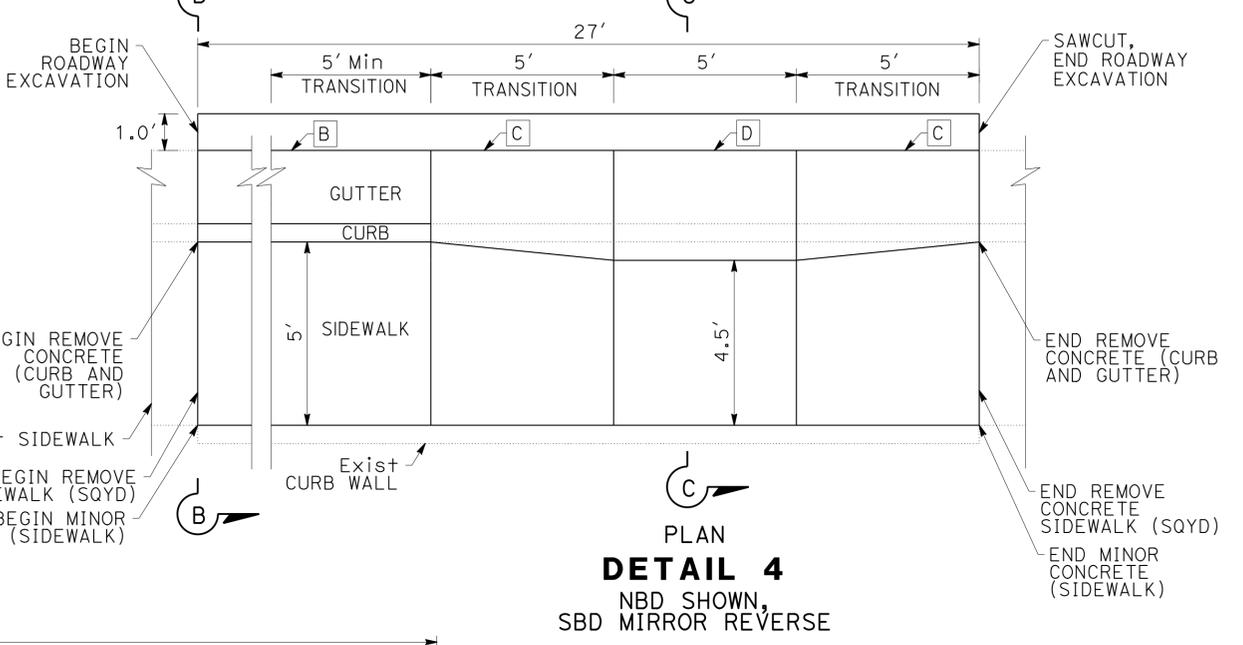
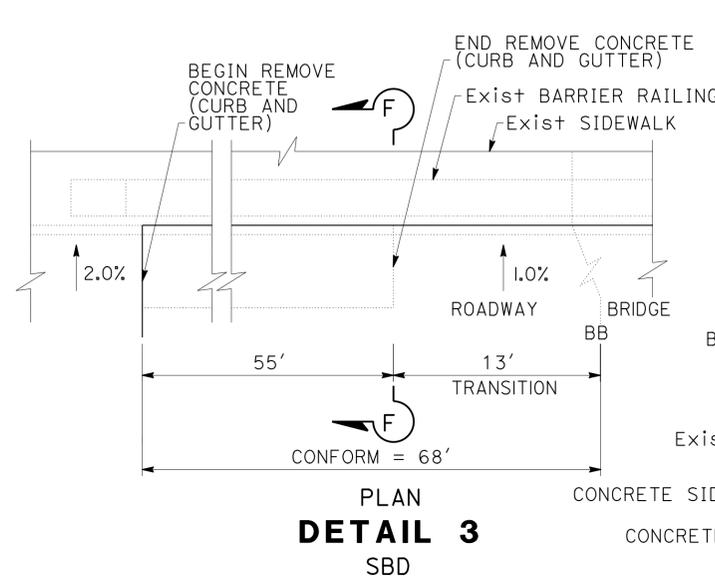
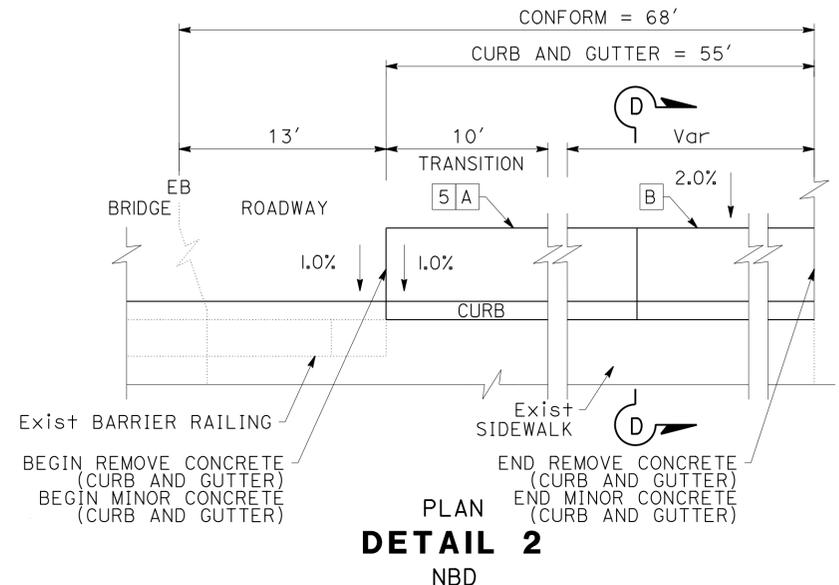
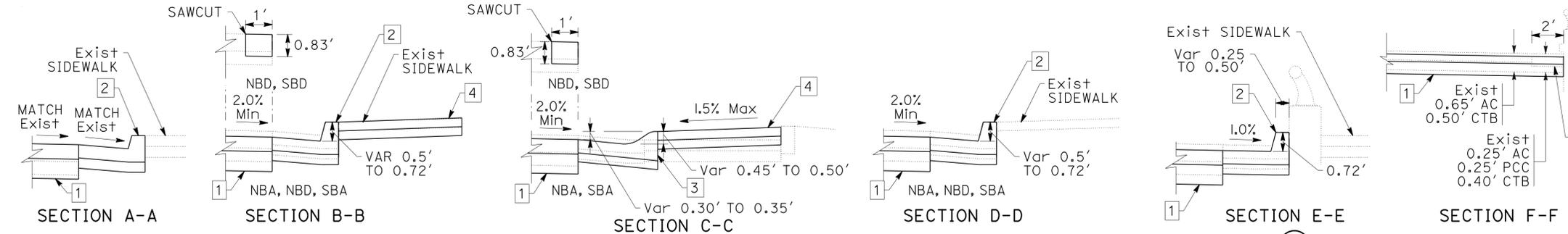
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	14	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 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
 W. D. SUTHERLAND
 No. C61579
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

NOTE:
1. SEE STANDARD PLANS FOR DETAILS NOT SHOWN.



- LEGEND:**
- NBA NORTHBOUND APPROACH
 - NBD NORTHBOUND DEPARTURE
 - SBA SOUTHBOUND APPROACH
 - SBD SOUTHBOUND DEPARTURE
 - 1 0.55' HMA
0.75' C12 AB
 - 2 MINOR CONCRETE (CURB AND GUTTER)(TYPE A2-8 MODIFIED)
0.33' C12 AB
 - 3 MINOR CONCRETE (CURB AND GUTTER)(TYPE E MODIFIED)
0.33' C12 AB
 - 4 0.33' MINOR CONCRETE (SIDEWALK)
0.33' C12 AB
 - 5 SITE A, ADJUST INLET (SEE DRAINAGE DETAILS SHEET DD-1)
 - A MINOR CONCRETE (CURB AND GUTTER) (TRANSITION TYPE A2-8 TO TYPE A2-8 MODIFIED)
 - B MINOR CONCRETE (CURB AND GUTTER) (TYPE A2-8 MODIFIED)
 - C MINOR CONCRETE (CURB AND GUTTER) (TRANSITION TYPE A2-8 MODIFIED AND TYPE E MODIFIED)
 - D MINOR CONCRETE (CURB AND GUTTER) (TYPE E MODIFIED)

LOCATION 17
CONSTRUCTION DETAILS
NO SCALE

LOCATION 17, SACRAMENTO RIVER, Br No. 06-0014

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 FUNCTIONAL SUPERVISOR JOHN MARTIN
 CALCULATED/DESIGNED BY JOHN MARTIN
 CHECKED BY JOHN MARTIN
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	15	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE

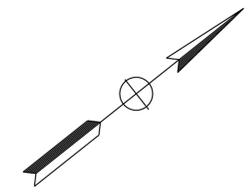
4-29-13
 PLANS APPROVAL DATE

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.

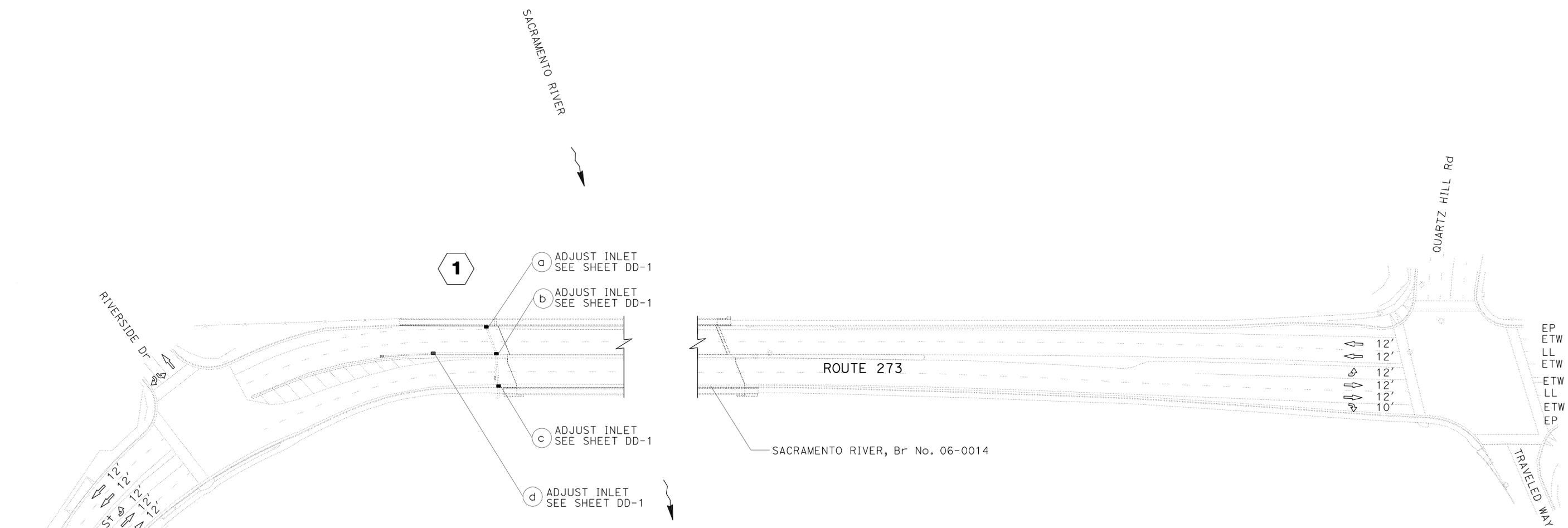
REGISTERED PROFESSIONAL ENGINEER
W. D. SUTHERLAND
 No. C61579
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

LEGEND:

- 1 DRAINAGE SYSTEM No.
- a DRAINAGE UNIT
- FLOW DIRECTION



FUNCTIONAL SUPERVISOR	REVISOR	DATE	
JOHN MARTIN	BILL SUTHERLAND	JOHN MARTIN	
DESIGN	CALCULATED/DESIGNED BY	CHECKED BY	
JOHN MARTIN	JOHN MARTIN	JOHN MARTIN	



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DESIGN

**LOCATION 17
DRAINAGE PLAN**

NO SCALE

D-1

APPROVED FOR DRAINAGE WORK ONLY

LAST REVISION DATE PLOTTED => 30-APR-2013
 12-20-12 TIME PLOTTED => 14:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	16	74

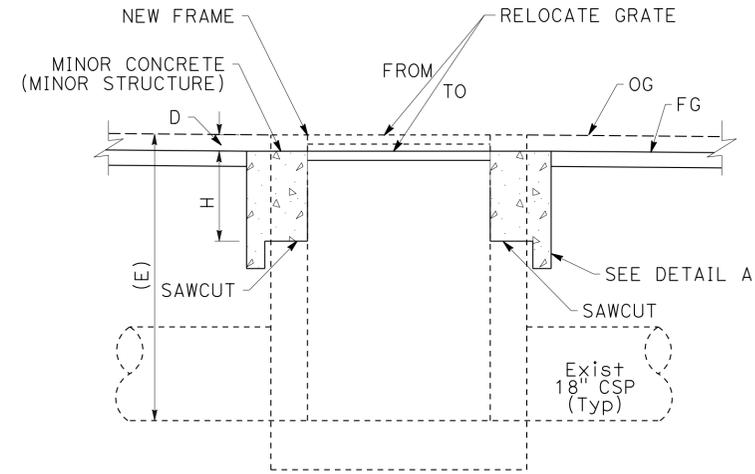
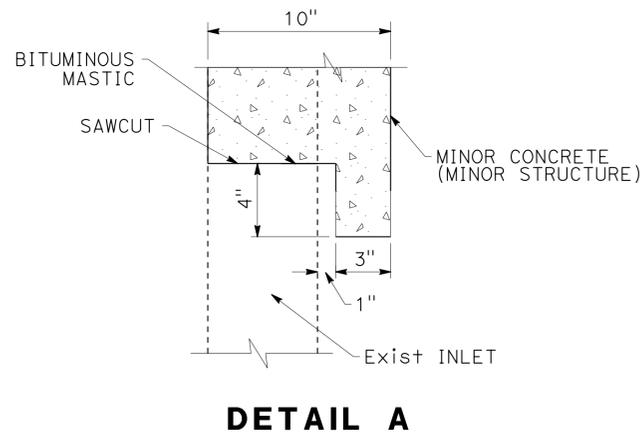
William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 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.

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
2. SEE STANDARD PLANS FOR DETAILS NOT SHOWN.



DRAINAGE SYSTEM No. UNIT	LOCATION	DI TYPE	H	D	Exist DI HEIGHT (E)
1a	SB DEPARTURE	G1	0.50' Min	0.22'	2.8'
1b	SB DEPARTURE MEDIAN	G1	0.50' Min	0.22'	3.9'
1c	NB APPROACH	G1	0.50' Min	0.22'	4.6'
1d	SB DEPARTURE MEDIAN	G1	0.50' Min	0.05'	3.2'

LOCATION 17, SACRAMENTO RIVER, BR NO. 06-0014

LOCATION 17
DRAINAGE DETAILS
 NO SCALE

DD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 Et Caltrans
 FUNCTIONAL SUPERVISOR JOHN MARTIN
 CHECKED BY JOHN MARTIN
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	18	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

W. D. SUTHERLAND
 No. C61579
 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.

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

SIGN No.	CODE	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
(A)	W20-1	48" x 48"	ROAD WORK AHEAD	2- 4" x 6"	2
(B)	G20-2	36" x 18"	END ROAD WORK	1- 4" x 4"	2
(C)	SPECIAL	36" x 24"	WATCH FOR BICYCLES	1- 4" x 6"	2

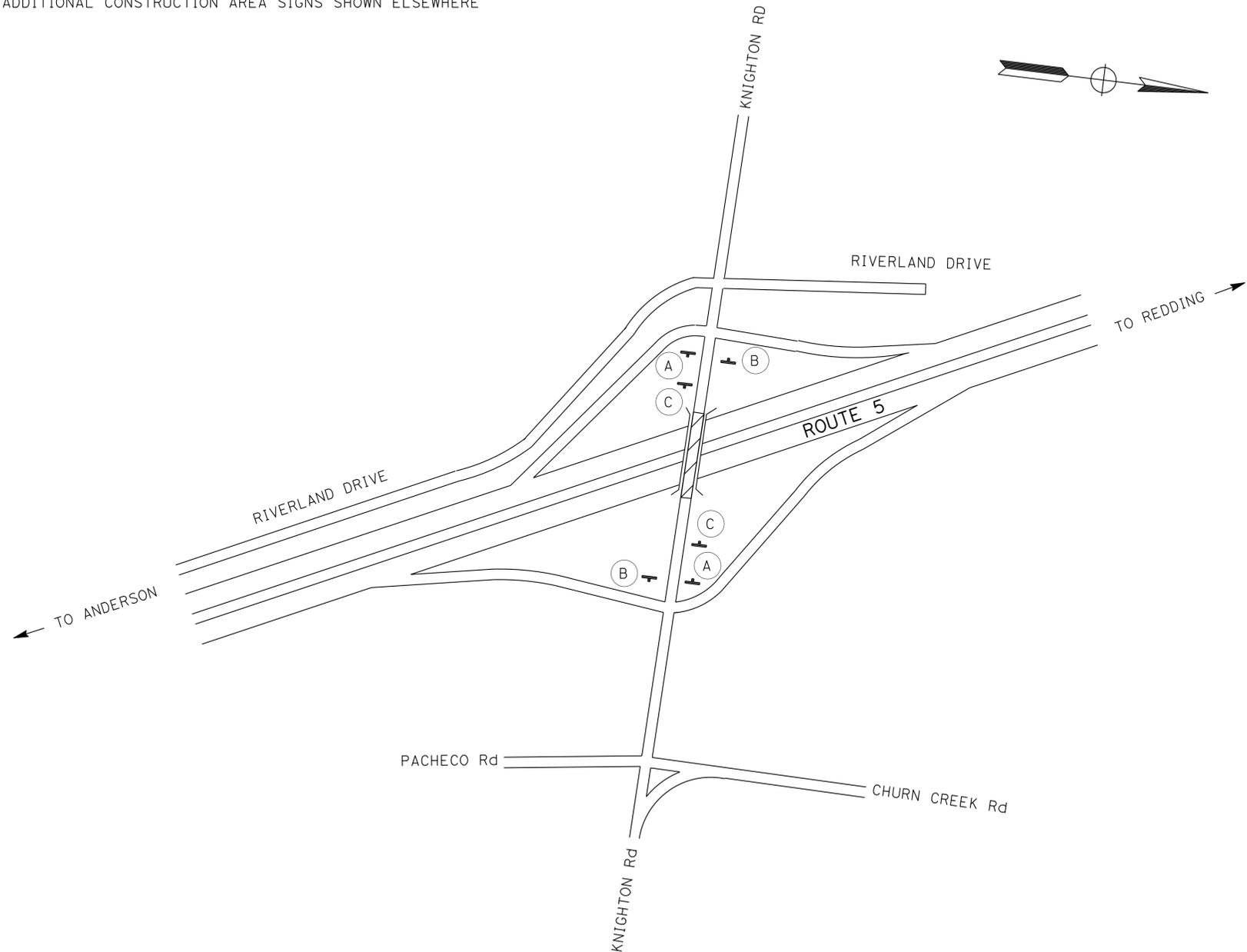
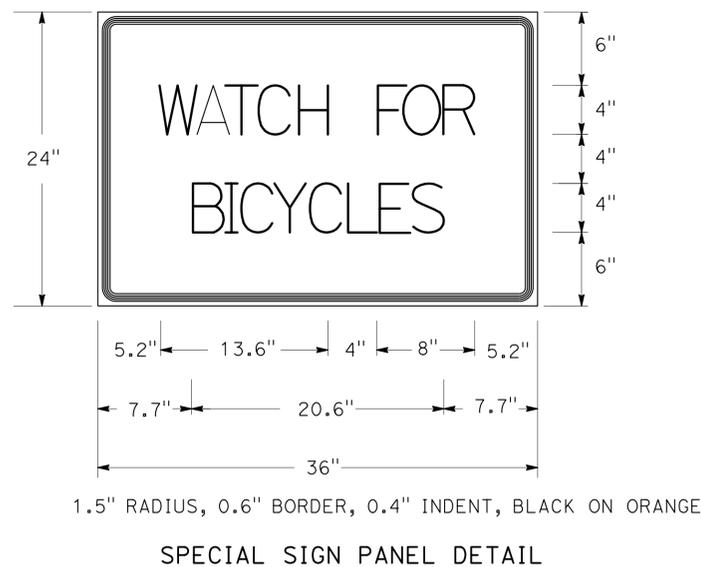
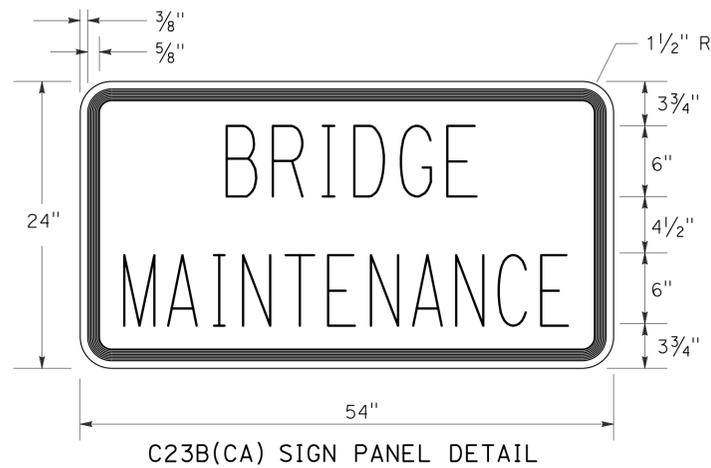
ADDITIONAL CONSTRUCTION AREA SIGNS SHOWN ELSEWHERE

NOTES:

- EXACT LOCATION OF ALL SIGNS AND PCMS TO BE DETERMINED BY THE ENGINEER.
- CALIFORNIA CODES ARE DESIGNATED BY (CA), OTHERWISE FEDERAL CODES ARE SHOWN.

LEGEND:

-  CONSTRUCTION AREA
-  CONSTRUCTION AREA SIGN
-  PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
-  TRAFFIC CONE



LOCATION 9, KNIGHTON ROAD OC, BRIDGE No. 06-0134

LOCATION 9 CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY



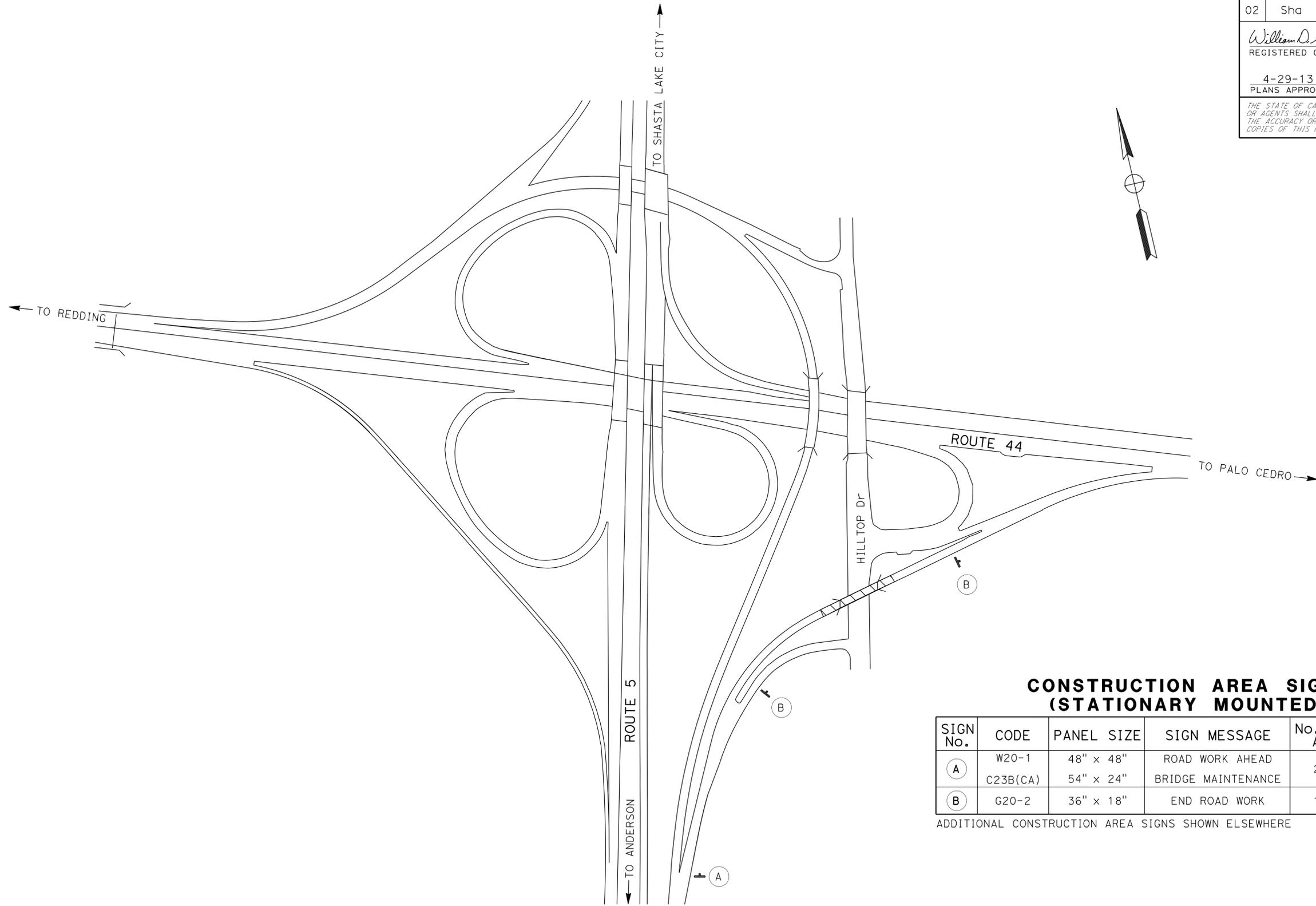
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 FUNCTIONAL SUPERVISOR JOHN MARTIN
 CALCULATED/DESIGNED BY CHECKED BY
 BETH ELMORE BILL SUTHERLAND
 REVISED BY DATE
 REVISIONS

LAST REVISION DATE PLOTTED => 30-APR-2013
 11-19-12 TIME PLOTTED => 14:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	19	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 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
(STATIONARY MOUNTED)**

SIGN No.	CODE	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
A	W20-1	48" x 48"	ROAD WORK AHEAD	2- 4" x 6"	1
	C23B(CA)	54" x 24"	BRIDGE MAINTENANCE		
B	G20-2	36" x 18"	END ROAD WORK	1- 4" x 4"	2

ADDITIONAL CONSTRUCTION AREA SIGNS SHOWN ELSEWHERE

LOCATION 10, N5-E44 CONNECTOR OC, BRIDGE No. 06-0099G

**LOCATION 10
CONSTRUCTION AREA SIGNS
NO SCALE**

CS-2

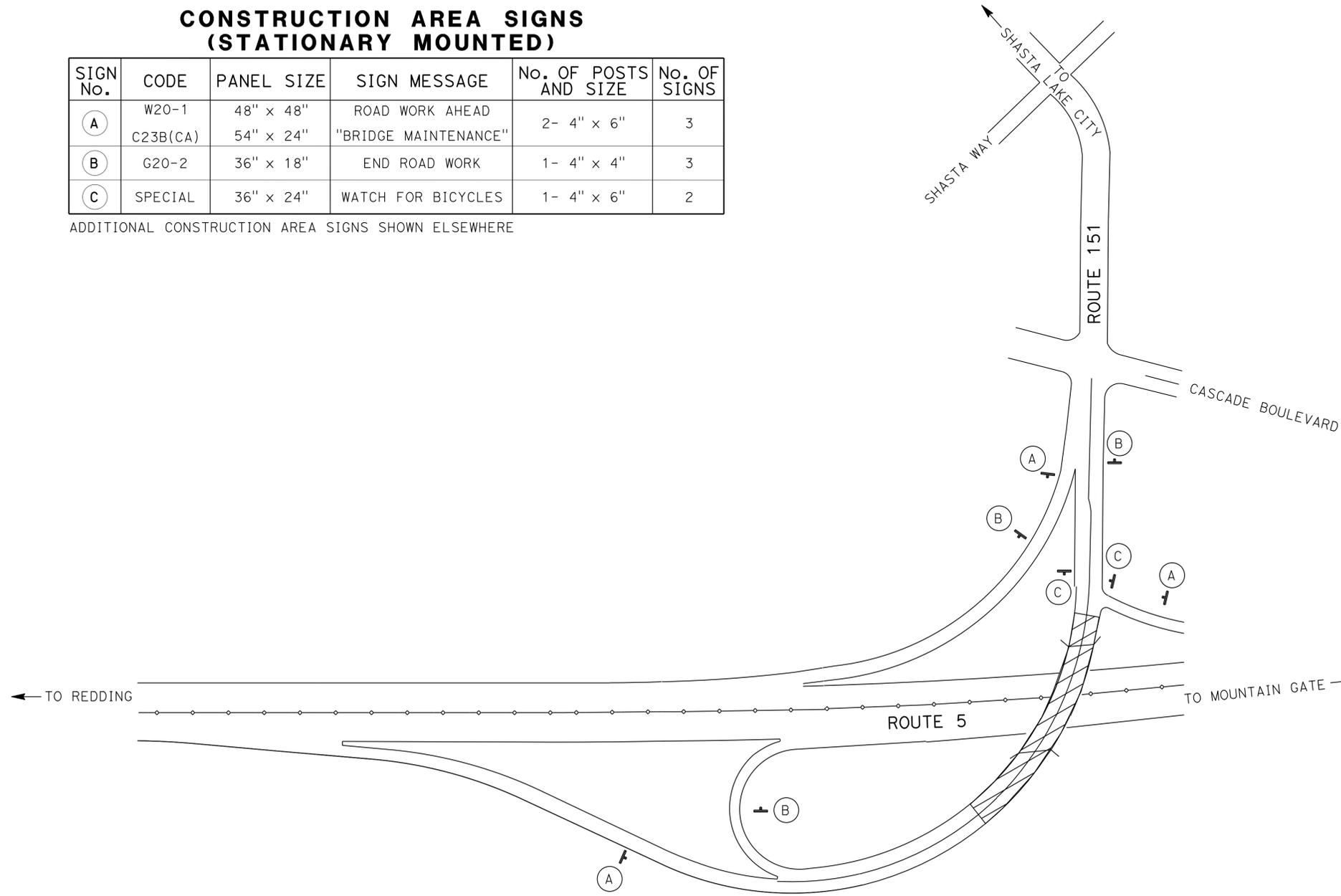
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
 FUNCTIONAL SUPERVISOR: JOHN MARTIN
 CALCULATED/DESIGNED BY: BETH ELMORE
 CHECKED BY: BILL SUTHERLAND
 REVISED BY: [] DATE REVISED: []
 PROJECT NUMBER & PHASE: 02000203181a002.dgn



CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

SIGN No.	CODE	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
(A)	W20-1	48" x 48"	ROAD WORK AHEAD	2- 4" x 6"	3
(B)	C23B(CA)	54" x 24"	"BRIDGE MAINTENANCE"	1- 4" x 4"	3
(C)	G20-2	36" x 18"	END ROAD WORK	1- 4" x 4"	3
(C)	SPECIAL	36" x 24"	WATCH FOR BICYCLES	1- 4" x 6"	2

ADDITIONAL CONSTRUCTION AREA SIGNS SHOWN ELSEWHERE



LOCATION 11, ROUTE 151/5 SEPARATION, BRIDGE No. 06-0156

LOCATION 11
CONSTRUCTION AREA SIGNS
 NO SCALE

CS-3

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 Beth Elmore
 Bill Sutherland
 John Martin
 Calculated/Designed by
 Checked by

P:\proj\1\02\4E530\plans\pse\02000203181a003.dgn



CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	21	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE

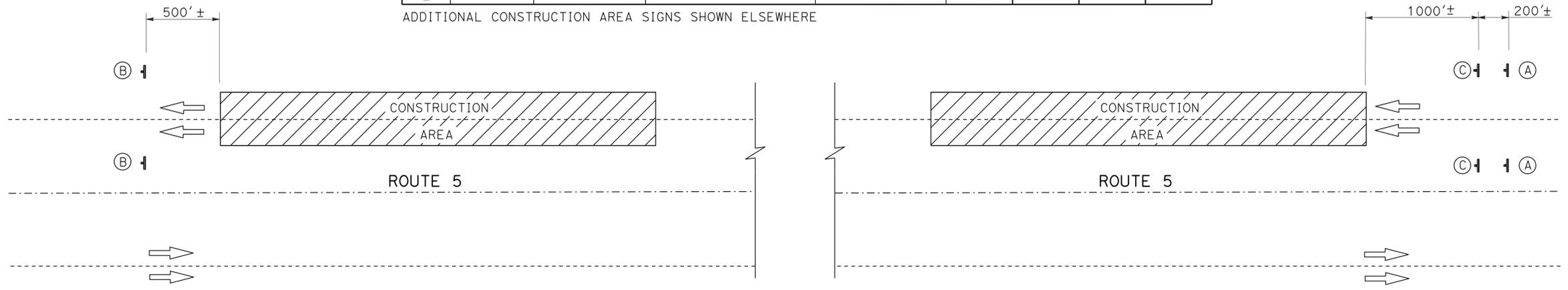
4-29-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
W. D. SUTHERLAND
 No. C61579
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

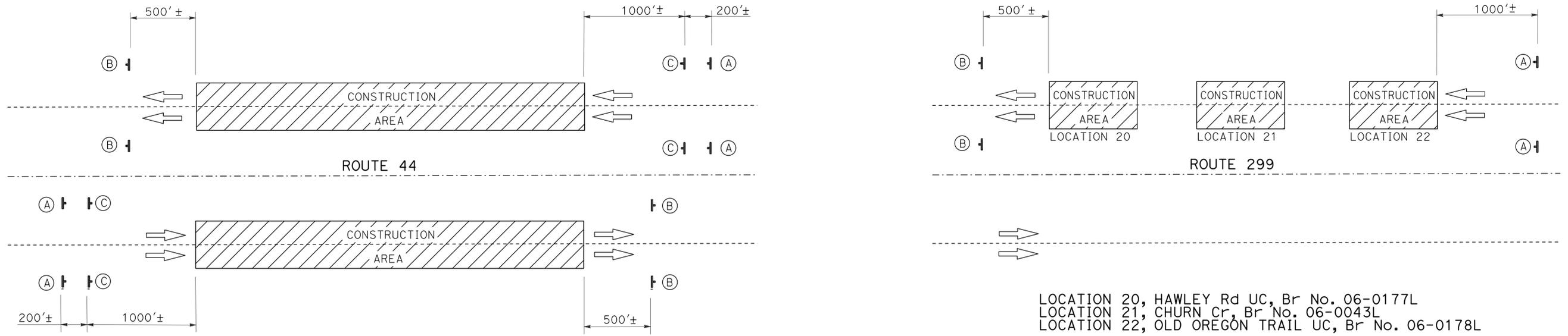
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

SIGN No.	CODE	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	LOCATION 20, 21, 22	LOCATION 15, 16	LOCATION 12, 13	No. OF SIGNS
Ⓐ	W20-1 C23B(CA)	48" x 48" 54" x 24"	ROAD WORK AHEAD "BRIDGE MAINTENANCE"	2- 4" x 6"	2	4	2	8
Ⓑ	G20-2	36" x 18"	END ROAD WORK	1- 4" x 4"	2	4	2	8
Ⓒ	SPECIAL	36" x 24"	WATCH FOR BICYCLES	1- 4" x 6"		4	2	6

ADDITIONAL CONSTRUCTION AREA SIGNS SHOWN ELSEWHERE



LOCATION 12, TURNTABLE BAY Rd UC, Br No. 06-0130L
 LOCATION 13, POWER LINE Rd UC, Br No. 06-0147L



LOCATION 15, CHURN Cr, Br No. 06-0153L
 LOCATION 16, CHURN Cr, Br No. 06-0153R

LOCATION 20, HAWLEY Rd UC, Br No. 06-0177L
 LOCATION 21, CHURN Cr, Br No. 06-0043L
 LOCATION 22, OLD OREGON TRAIL UC, Br No. 06-0178L

LOCATIONS 12, 13, 15, 16, 20-22 CONSTRUCTION AREA SIGNS NO SCALE

CS-4

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 Beth Elmore
 Bill Sutherland
 John Martin
 Functional Supervisor
 Calculated/Designed By
 Checked By
 Revised By
 Date Revised
 USERNAME => s124496
 DGN FILE => 02000203181a004.dgn
 BORDER LAST REVISED 7/2/2010
 UNIT 0315
 PROJECT NUMBER & PHASE 02000203181

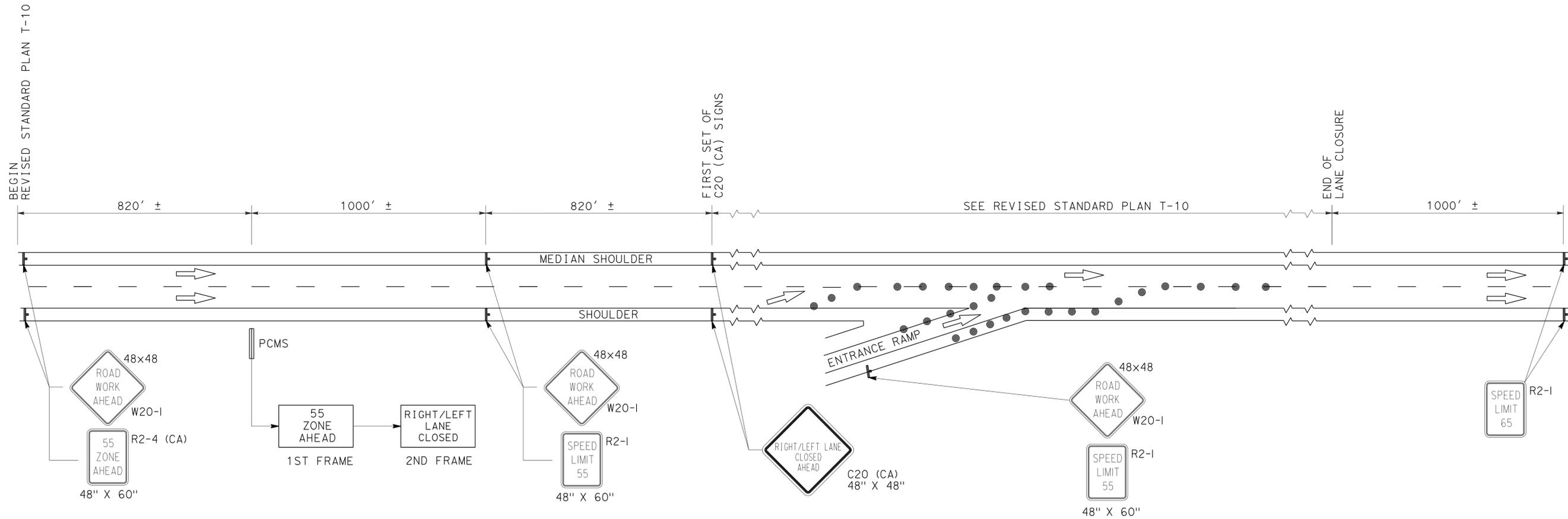
LAST REVISION DATE PLOTTED => 30-APR-2013
 11-19-12 TIME PLOTTED => 14:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	24	74
<i>William D. Sutherland</i> REGISTERED CIVIL ENGINEER			02-26-13	DATE	
4-29-13 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. EXACT SIGN & PCMS LOCATIONS TO BE DETERMINED BY ENGINEER
2. SEE STANDARD PLANS FOR TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE.
3. COVER EXISTING SPEED LIMIT SIGNS WITHIN THE REDUCED SPEED ZONE.
4. INSTALL TEMPORARY SPEED LIMIT SIGNS (R2-1) EVERY MILE WITHIN THE LIMITS OF THE REDUCED SPEED ZONE.



**TYPICAL SIGNING FOR REDUCED SPEED ZONE
(65 MPH TO 55 MPH)**

**CONSTRUCTION AREA SIGNS
NO SCALE**

CS-7

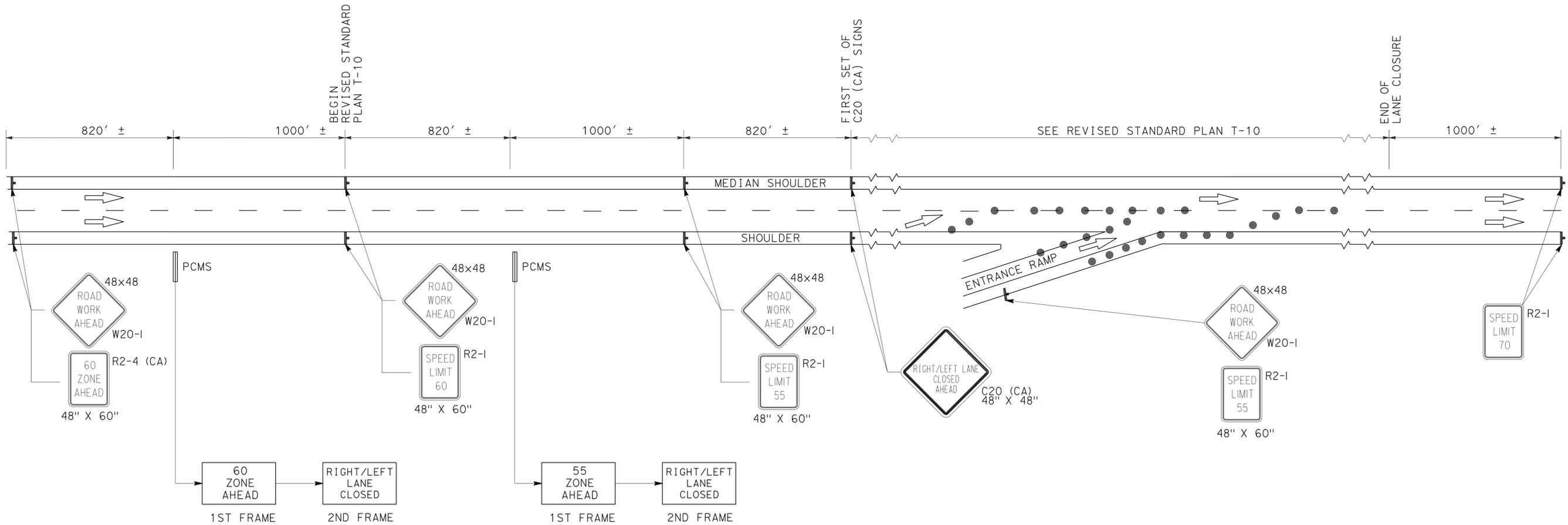
APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 FUNCTIONAL SUPERVISOR: JOHN MARTIN
 CALCULATED/DESIGNED BY: BETH ELMORE
 CHECKED BY: BILL SUTHERLAND
 REVISED BY: BETH ELMORE
 DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	25	74
<i>William D. Sutherland</i> REGISTERED CIVIL ENGINEER			02-26-13 DATE		
4-29-13 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. EXACT SIGN & PCMS LOCATIONS TO BE DETERMINED BY ENGINEER
2. SEE STANDARD PLANS FOR TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE.
3. COVER EXISTING SPEED LIMIT SIGNS WITHIN THE REDUCED SPEED ZONE.
4. INSTALL TEMPORARY SPEED LIMIT SIGNS (R2-1) EVERY MILE WITHIN THE LIMITS OF THE REDUCED SPEED ZONE.



TYPICAL SIGNING FOR REDUCED SPEED ZONE (70 MPH TO 55 MPH)

CONSTRUCTION AREA SIGNS
NO SCALE
CS-8

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 FUNCTIONAL SUPERVISOR JOHN MARTIN
 CALCULATED/DESIGNED BY BETH ELMORE
 CHECKED BY BILL SUTHERLAND
 REVISED BY DATE REVISION
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

LAST REVISION DATE PLOTTED => 02-MAY-2013 11-19-12 TIME PLOTTED => 09:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	26	74

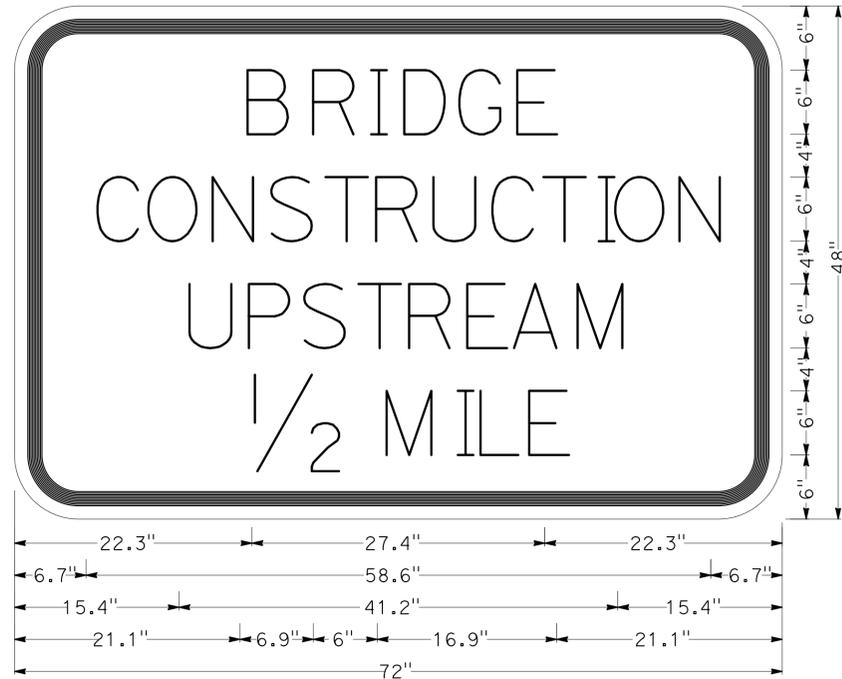
William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 W. D. SUTHERLAND
 No. C61579
 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.

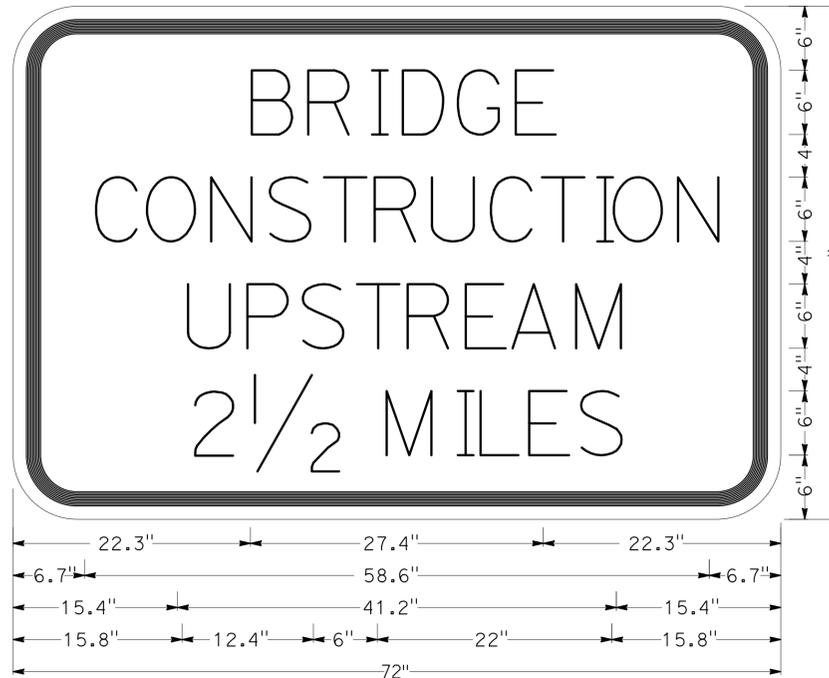
NOTE:

1. EXACT SIGN & PCMS LOCATIONS TO BE DETERMINED BY ENGINEER



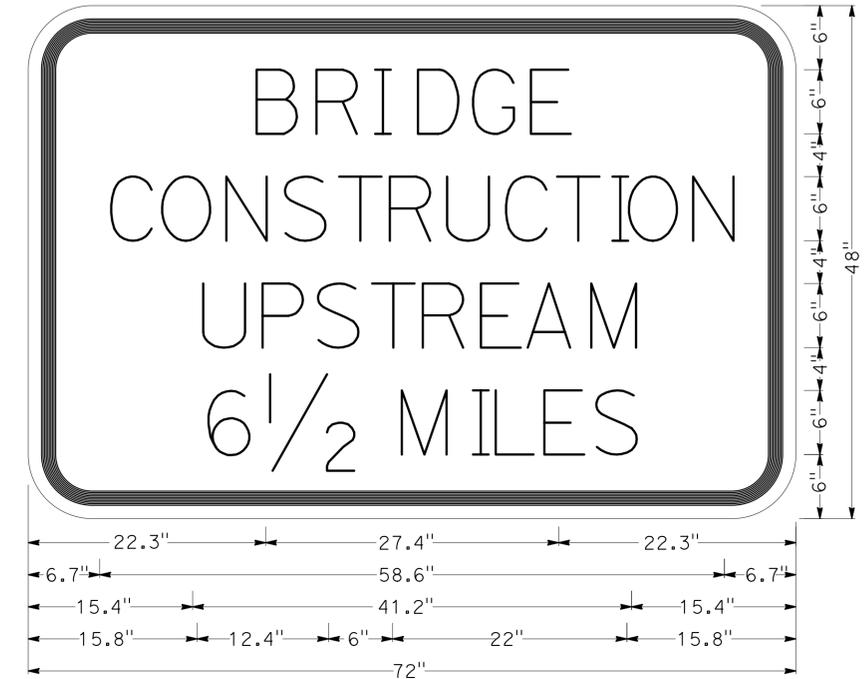
6.0" Radius, 1.3" Border, Black on Orange;
 [BRIDGE] D; [CONSTRUCTION] D; [UPSTREAM] D; [1/2 MILE] D;

SIGN (A)



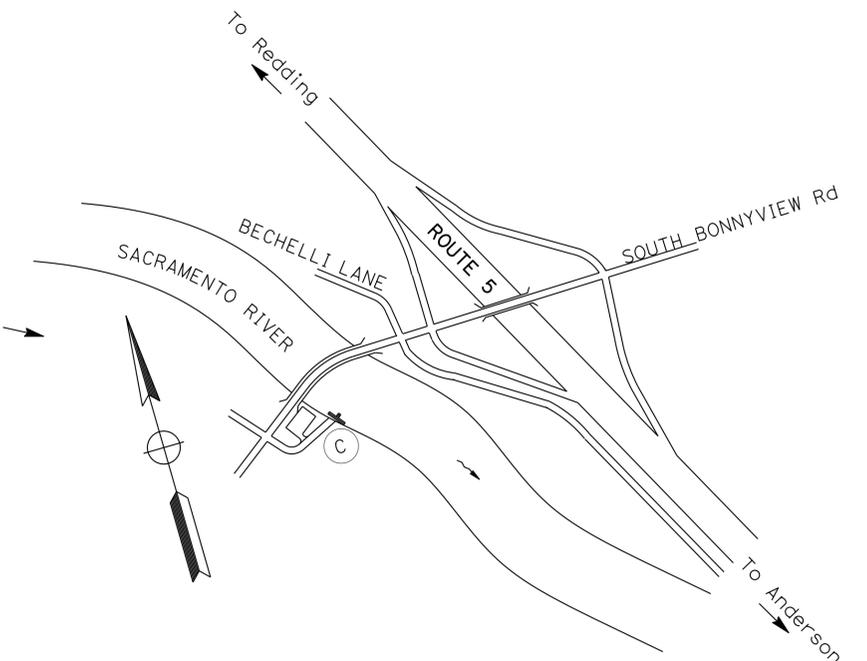
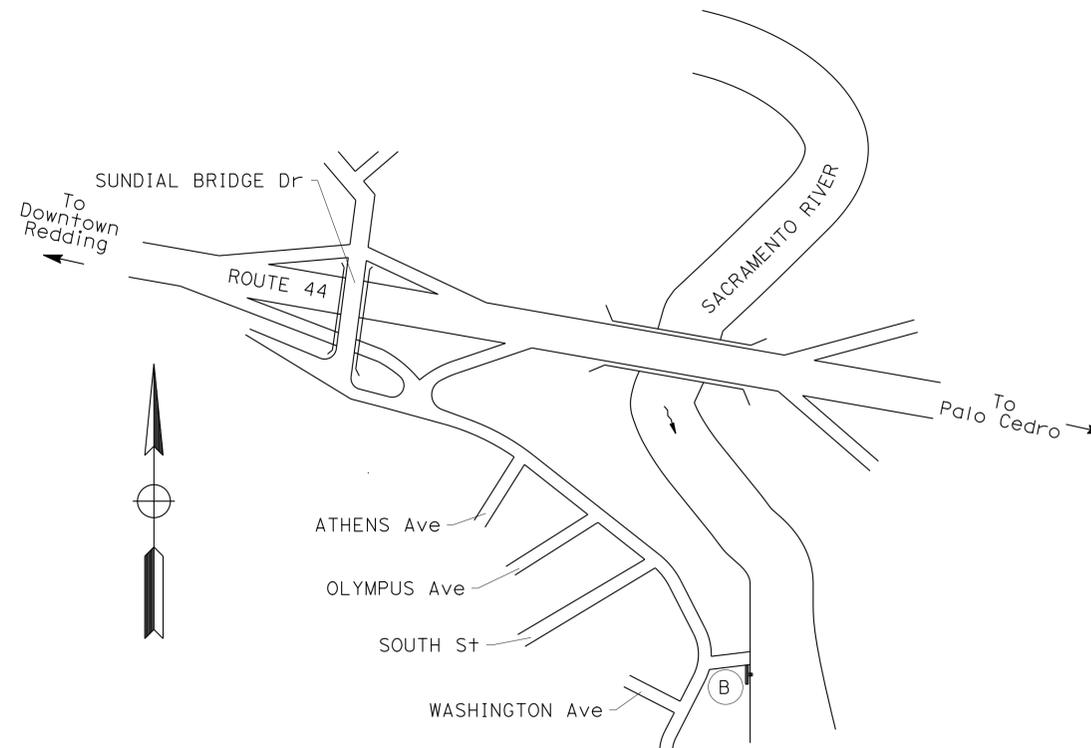
6.0" Radius, 1.3" Border, Black on Orange;
 [BRIDGE] D; [CONSTRUCTION] D; [UPSTREAM] D; [2 1/2 MILES] D;

SIGN (B)



6.0" Radius, 1.3" Border, Black on Orange;
 [BRIDGE] D; [CONSTRUCTION] D; [UPSTREAM] D; [6 1/2 MILES] D;

SIGN (C)



CONSTRUCTION AREA SIGNS
NO SCALE

CS-9

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY



P:\proj\1\02\4E530\plans\pse\02000203181a009.dgn
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 FUNCTIONAL SUPERVISOR JOHN MARTIN
 CALCULATED/DESIGNED BY CHECKED BY
 BETH ELMORE BILL SUTHERLAND
 REVISED BY DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	27	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

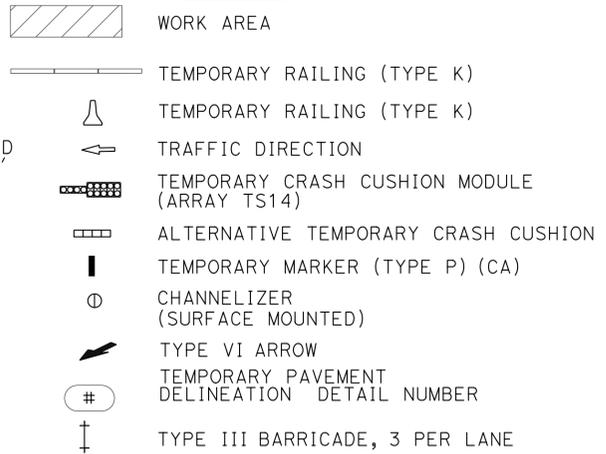
W. D. SUTHERLAND
 No. C61579
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

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.

NOTES:

- EXACT LOCATION OF ALL SIGNS TO BE DETERMINED BY THE ENGINEER.
- SEE STANDARD PLAN TRAFFIC CONTROL SYSTEM SHEETS FOR ADVANCE WARNING SIGNS AND TYPICAL SIGNING FOR REDUCED SPEED ZONE.
- MINIMUM OF TWO TYPE III BARRICADES SHALL BE PLACED ACROSS EACH CLOSED LANE AND SHOULDER EVERY 200' WITHIN THE CLOSURE AREA.
- LENGTHS SHOWN MEASURED ALONG LANE STRIPE BETWEEN No. 1 AND No. 2 LANE. DETAIL 14A REMOVAL IS NOT SHOWN.
- LENGTH SHOWN FOR STRIPE REMOVAL IS PAY LENGTH. DETAIL 14A REMOVAL NOT SHOWN.
- DETAIL 14A NOT SHOWN. FOR LOCATIONS SEE STANDARD PLANS.

LEGEND:



ABBREVIATIONS:

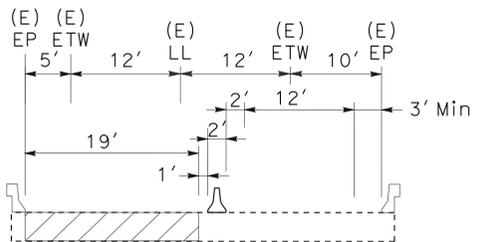
- BY BEGIN REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)
 EY END REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)
 BT BEGIN REMOVE THERMOPLASTIC TRAFFIC STRIPE (WATER BLASTING)
 ET END REMOVE THERMOPLASTIC TRAFFIC STRIPE (WATER BLASTING)
 CH25, X' CHANNELIZER (SURFACE MOUNTED) AT 25' (Max) SPACING, X' LENGTH
 CH50, X' CHANNELIZER (SURFACE MOUNTED) AT 50' (Max) SPACING, X' LENGTH
 TK TEMPORARY RAILING (TYPE K)
 ALT TCC ALTERNATIVE TEMPORARY CRASH CUSHION

STAGE 1 TRAFFIC HANDLING

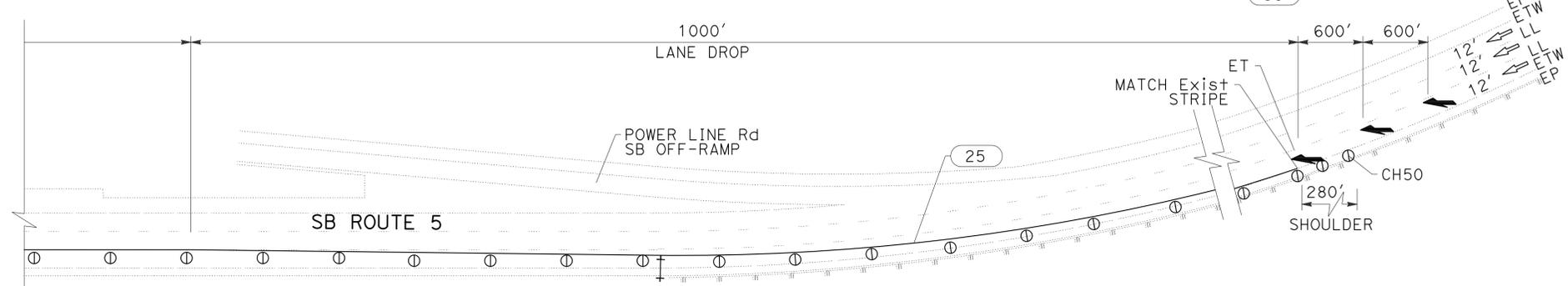
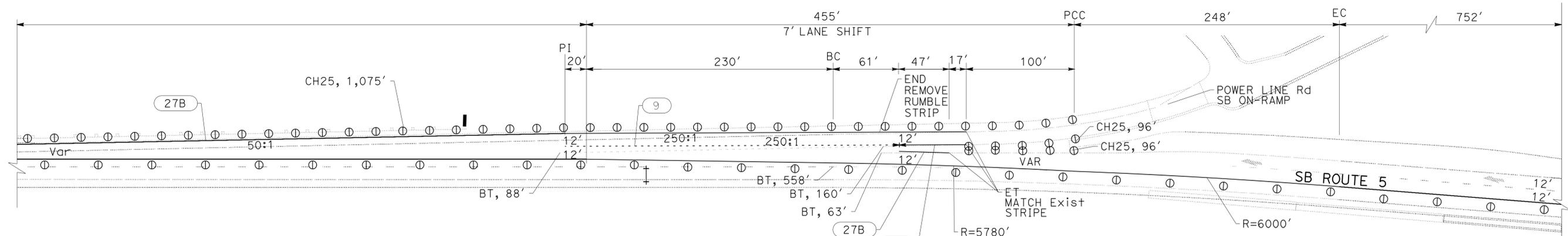
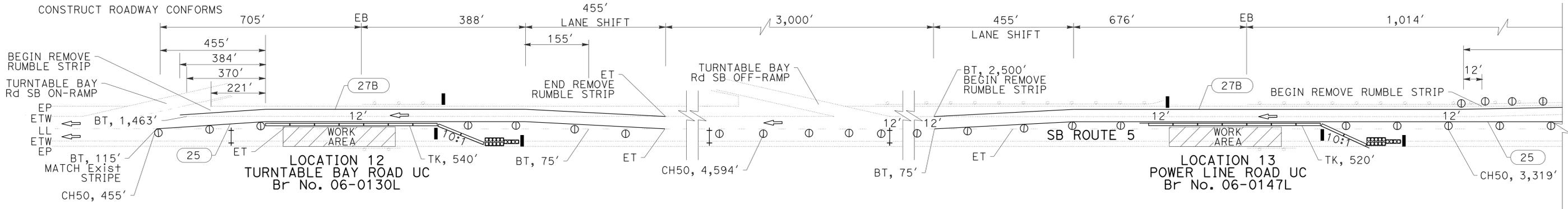
PLACE CONSTRUCTION AREA SIGNS
 PLACE TEMPORARY TRAFFIC STRIPE
 PLACE CHANNELIZER (SURFACE MOUNTED)
 PLACE TEMPORARY RAILING (TYPE K)
 CLOSE LANES & SHIFT SB TRAFFIC TO OUTSIDE

STAGE 1 CONSTRUCTION

REMOVE NUMBER 2 LANE RUMBLE STRIP
 CONSTRUCT BRIDGE WORK
 CONSTRUCT ROADWAY CONFORMS



TYPICAL SECTION



STAGE 1
LOCATION 12,13
STAGE CONSTRUCTION AND
TRAFFIC HANDLING PLAN
 NO SCALE

SC-1

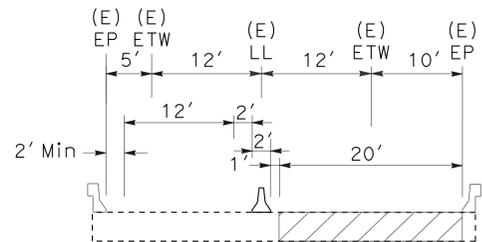
APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 JOHN MARTIN
 FUNCTIONAL SUPERVISOR
 CHECKED BY
 BILL SUTHERLAND
 JOLENA ASTIN
 REVISOR
 DATE REVISOR
 02-26-13
 4-29-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	28	74

<i>William D. Sutherland</i> 02-26-13 REGISTERED CIVIL ENGINEER DATE	
4-29-13 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>	

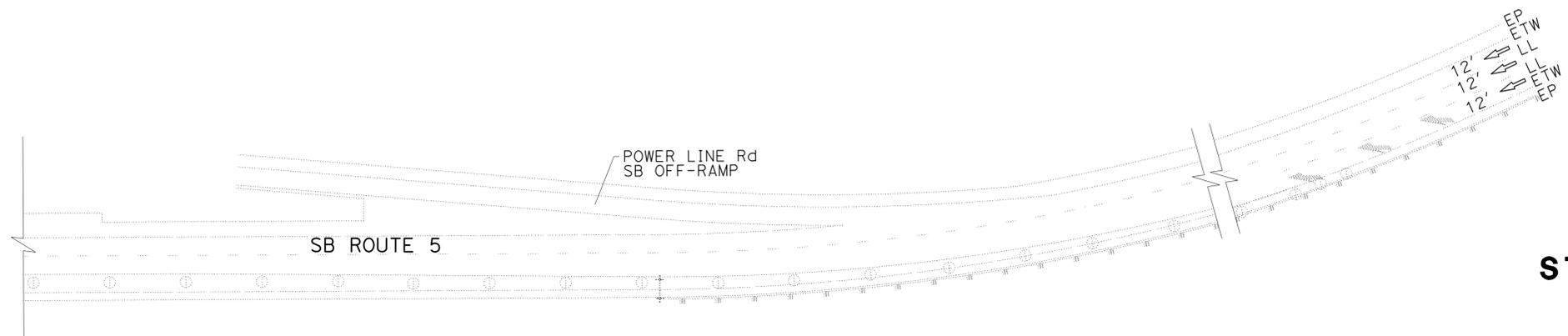
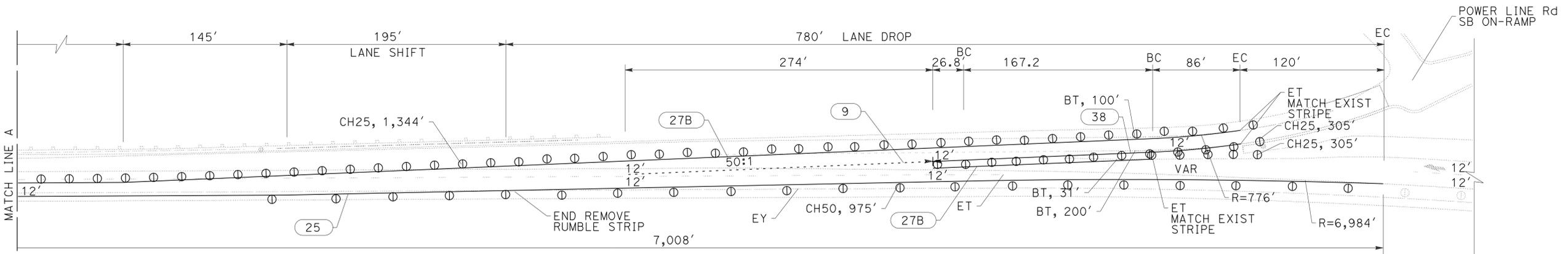
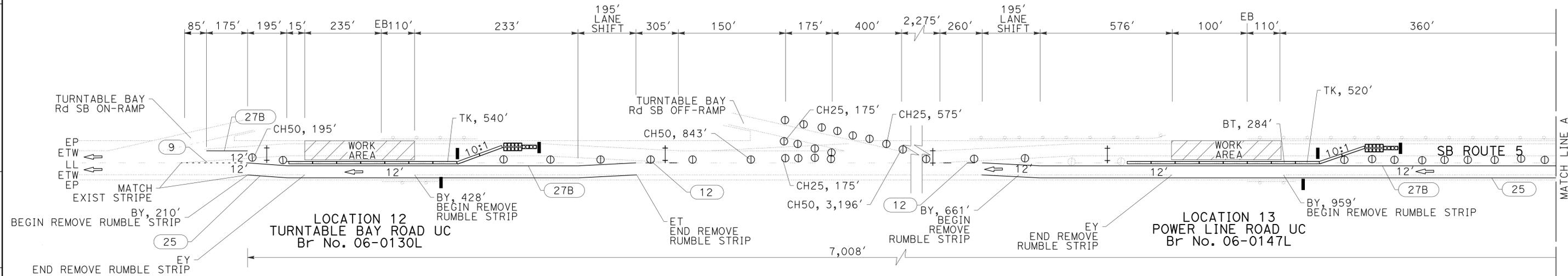
REGISTERED PROFESSIONAL ENGINEER
W. D. SUTHERLAND
 No. C61579
 Exp. 6-30-13
 CIVIL
STATE OF CALIFORNIA



TYPICAL SECTION

STAGE 2 TRAFFIC HANDLING
 PLACE TEMPORARY TRAFFIC STRIPE
 PLACE CHANNELIZER (SURFACE MOUNTED)
 PLACE TEMPORARY RAILING (TYPE K)
 SHIFT SB TRAFFIC TO INSIDE

STAGE 2 CONSTRUCTION
 REMOVE NUMBER 1 LANE RUMBLE STRIP
 CONSTRUCT BRIDGE WORK
 CONSTRUCT ROADWAY CONFORMS



**STAGE 2
 LOCATION 12,13
 STAGE CONSTRUCTION AND
 TRAFFIC HANDLING PLAN**
 NO SCALE

SC-2

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 JOHN MARTIN
 FUNCTIONAL SUPERVISOR
 CHECKED BY
 BILL SUTHERLAND
 JOLENA ASTIN
 REVISOR
 DATE
 7/2/2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	30	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

W. D. SUTHERLAND
 No. C61579
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

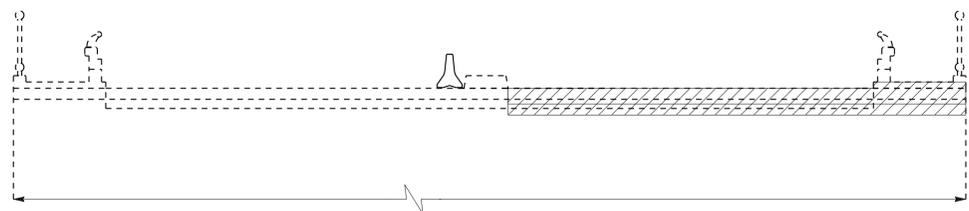
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

STAGE 2 TRAFFIC HANDLING

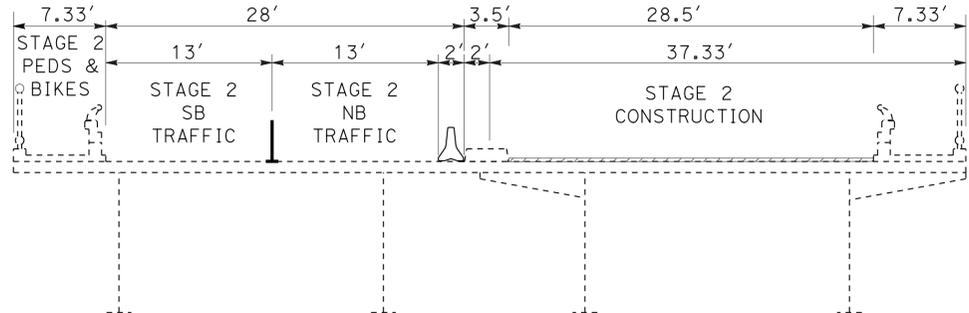
- PLACE CONSTRUCTION AREA SIGNS
- PLACE TEMPORARY TRAFFIC STRIPE
- PLACE CHANNELIZER (SURFACE MOUNTED)
- PLACE TEMPORARY RAILING (TYPE K)
- NB & SB LANE DROP
- SHIFT NB & SB TRAFFIC TO SB LANES

STAGE 2 CONSTRUCTION

- REMOVE AC FROM DECK
- REPAIR JOINT SEALS, EXPANSION JOINT ARMOR, HINGE AND DECK
- PLACE POLYESTER CONCRETE DECK OVERLAY
- CONSTRUCT ROADWAY CONFORMS



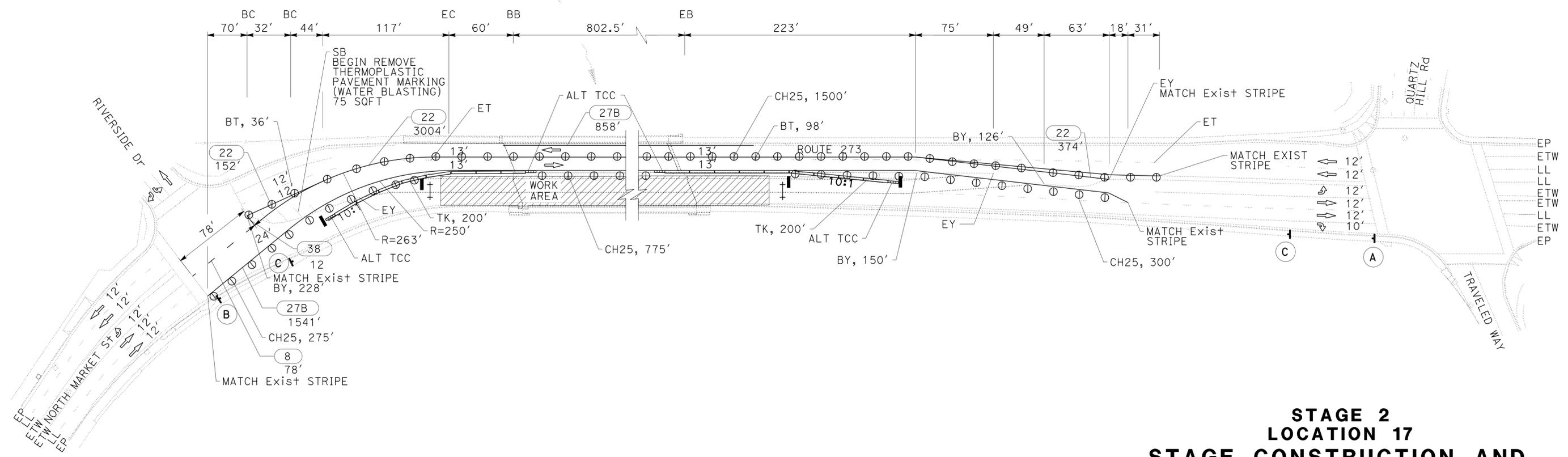
**TYPICAL SECTION
(AT ABUTMENT 1)**



**TYPICAL SECTION
(AT MIDSPAN)**

**CONSTRUCTION AREA SIGNS
(PORTABLE SIGNS)**

SIGN No.	CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGNS
(A)	R9-11	24" x 12"	"SIDEWALK CLOSED AHEAD" "CROSS HERE" →	1
(B)	R9-11	24" x 12"	"SIDEWALK CLOSED AHEAD" ← "CROSS HERE"	1
(C)	R9-9	30" x 18"	"SIDEWALK" "CLOSED"	2



**STAGE 2
LOCATION 17
STAGE CONSTRUCTION AND
TRAFFIC HANDLING PLAN**

SCALE: 1" = 50'

SC-4

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 CALTRANS
 BILL SUTHERLAND
 JOHN MARTIN
 JOHN MARTIN
 JOHN MARTIN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	31	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

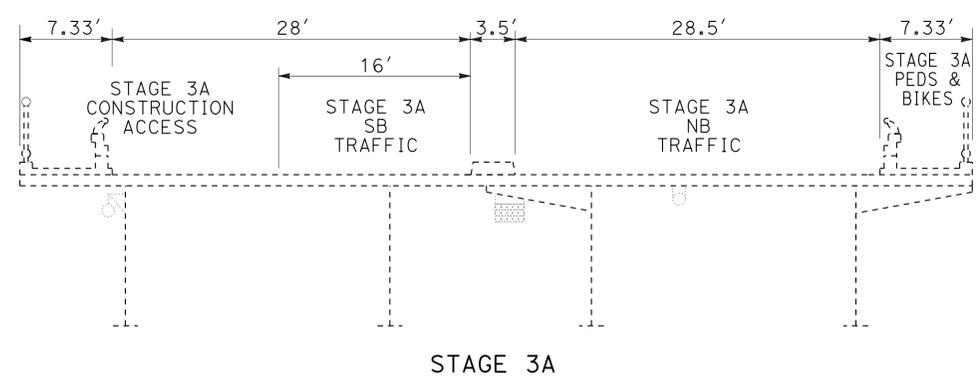
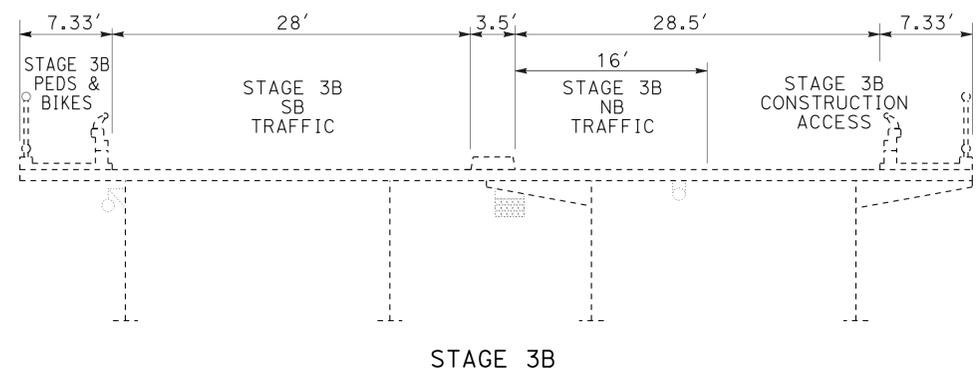
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

STAGE 3A TRAFFIC HANDLING
CLOSE SB No. 2 LANE

STAGE 3B TRAFFIC HANDLING
CLOSE NB No. 2 LANE

STAGE 3A CONSTRUCTION
CLEAN AND PAINT SB BRIDGE

STAGE 3B CONSTRUCTION
CLEAN AND PAINT NB BRIDGE
REMOVE PIPE



TYPICAL SECTIONS

**SACRAMENTO RIVER, BRIDGE No. 06-0014
ROUTE 273**

**LOCATION 17
STAGE 3
STAGE CONSTRUCTION AND
TRAFFIC HANDLING PLAN
SCALE: 1" = 50'**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	JOHN MARTIN
CALCULATED/DESIGNED BY	CHECKED BY
JOLENA ASTIN	BILL SUTHERLAND
REVISED BY	DATE
REVISED BY	DATE

SC-5

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	32	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 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.

NOTE:
 1. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

TRAFFIC HANDLING QUANTITIES

LOCATION NUMBER	LOCATION NAME	STAGE	(N)	TEMPORARY PAVEMENT MARKING (TAPE)	TEMPORARY TRAFFIC STRIPE (TAPE)						CHANNELIZER (SURFACE MOUNTED)	TEMPORARY PAVEMENT MARKER					TEMPORARY RAILING (TYPE K)	ALTERNATIVE TEMPORARY CRASH CUSHION	TEMPORARY CRASH CUSHION MODULE	(N)	
					EA	SQFT	LF	LF	LF	LF		LF	(TYPE G)			(TYPE H)					(TYPE D)
													DETAIL 8	DETAIL 9	DETAIL 12						
12 AND 13	TURNTABLE BAY ROAD UC & POWERLINE ROAD UC	1	15	126					6148	4024	128	226	17		7	193		1060		28	6
		2	12			274	565		3443	3692	560	222	13	28	25	148		1060		28	6
17	SACRAMENTO RIVER	1	6					2982		1566		119					251	400	4		4
		2	6		78			3530		2399	12	116					301	400	4		4
SUB TOTAL			39	126	78	585	565	6512	9591	11,681	700	683	30	28	32	341	552	2920	8	56	20
SUMMARY			39	126	29,712						683	90			341	552	2920	8	56	20	
TOTAL			39	126	29,712						683	983					2920	8	56	20	

REMOVE THERMOPLASTIC TRAFFIC STRIPE

LOCATION NUMBER	LOCATION NAME	STAGE	REMOVE THERMOPLASTIC PAVEMENT MARKING (WATER BLASTING)	REMOVE THERMOPLASTIC TRAFFIC STRIPE (WATER BLASTING)					REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE) (WATER BLASTING)	
				DETAIL 9	DETAIL 12	DETAIL 14A	DETAIL 27B	DETAIL 38	DETAIL 22	DETAIL 25
				LF	LF	LF	LF	LF	LF	LF
12 AND 13	TURNTABLE BAY ROAD UC & POWERLINE ROAD UC	1		88	755	68	4026	160		
		2			284		131	200		2258
17	SACRAMENTO RIVER	1	110		355				1220	
		2	75		134				504	
SUB TOTAL			185	88	1528	68	4157	360	1724	2258
SUMMARY			185	6201				3982		
TOTAL			185	6201				3982		

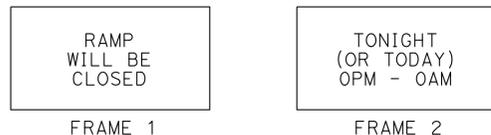
STAGE CONSTRUCTION AND TRAFFIC HANDLING QUANTITIES

SCQ-1

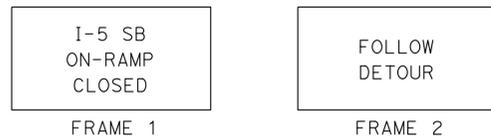
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - DESIGN
 FUNCTIONAL SUPERVISOR: JOHN MARTIN
 CALCULATED/DESIGNED BY: JOLENA ASTIN
 CHECKED BY: BILL SUTHERLAND
 REVISOR: JOLENA ASTIN
 DATE REVISOR: BILL SUTHERLAND

NOTES:

1. PRE-NOTIFICATION PCMS: PLACE NEAR RAMP AND ACTIVATE APPROXIMATELY 12 HOURS PRIOR TO RAMP CLOSURE.



2. RAMP CLOSED PCMS: PLACE BEFORE SOUTH STREET AND ACTIVATE DURING RAMP CLOSURE



3. PLACE 7 DAYS PRIOR TO RAMP CLOSURE.

4. CALIFORNIA SIGN CODES ARE DESIGNATED BY (CA), OTHERWISE, FEDERAL MUTCD SIGN CODES ARE SHOWN.

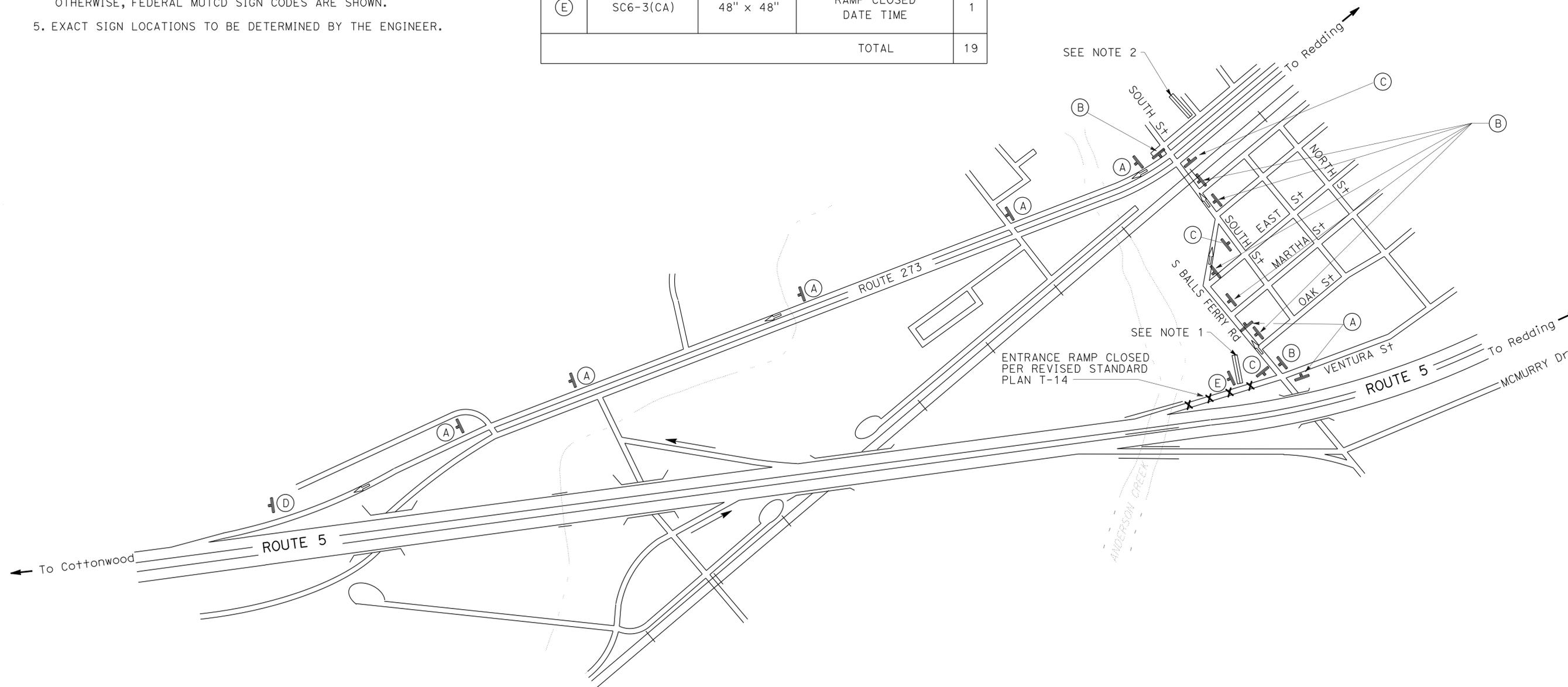
5. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

CONSTRUCTION AREA SIGNS (PORTABLE)

SIGN No.	CODE	PANEL SIZE	REMARKS	No. (EA)
(A)	SC3(CA) G27-2(5)(CA) M3-3	48" x 18" 24" x 24" 24" x 12"	↑ "DETOUR" ROUTE SHIELD (5) DIRECTION (SOUTH)	7
(B)	M4-10 R G27-2(5)(CA) M3-3	48" x 18" 24" x 24" 24" x 12"	"DETOUR" → ROUTE SHIELD (5) DIRECTION (SOUTH)	7
(C)	M4-10 L G27-2(5)(CA) M3-3	48" x 18" 24" x 24" 24" x 12"	← "DETOUR" ROUTE SHIELD (5) DIRECTION (SOUTH)	3
(D)	M4-8A	24" x 18"	"END DETOUR"	1
(E)	SC6-3(CA)	48" x 48"	"RAMP CLOSED" DATE TIME	1
TOTAL				19

LEGEND:

PORTABLE CHANGEABLE MESSAGE SIGN



DETOUR FOR CLOSURE OF SB ROUTE 5 ENTRANCE RAMP FROM BALLS FERRY ROAD

**LOCATION 4
DETOUR PLAN**

DE-1

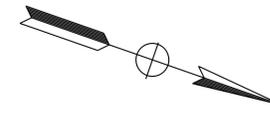
APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 Beth Elmore
 Bill Sutherland
 John Martin
 Functional Supervisor
 Calculated/Designed by
 Checked by
 Revised by
 Date Revised
 USERNAME => s121614
 DGN FILE => 0200020318mg001.dgn
 BORDER LAST REVISED 7/2/2010
 UNIT 0315
 PROJECT NUMBER & PHASE 02000203181

LAST REVISION DATE PLOTTED => 02-MAY-2013
 12-27-12 TIME PLOTTED => 09:01

CONSTRUCTION AREA SIGNS (PORTABLE)

SIGN No.	CODE	PANEL SIZE	REMARKS	No. (EA)
(A)	SC3(CA) G27-2(5)(CA) M3-1	48 x 18 24 x 24 24 x 12	↑ "DETOUR" ROUTE SHIELD (5) (NORTH)	3
(B)	M4-10 R G27-2(5)(CA) M3-1	48 x 18 24 x 24 24 x 12	"DETOUR" → ROUTE SHIELD (5) (NORTH)	5
(C)	M4-10 L G27-2(5)(CA) M3-1	48 x 18 24 x 24 24 x 12	← "DETOUR" ROUTE SHIELD (5) (NORTH)	6
(D)	M4-8A	24 X 18	"END DETOUR"	1
(E)	SC6-3(CA)	48 x 48	"RAMP CLOSED" DATE TO DATE TIME	1
TOTAL				16



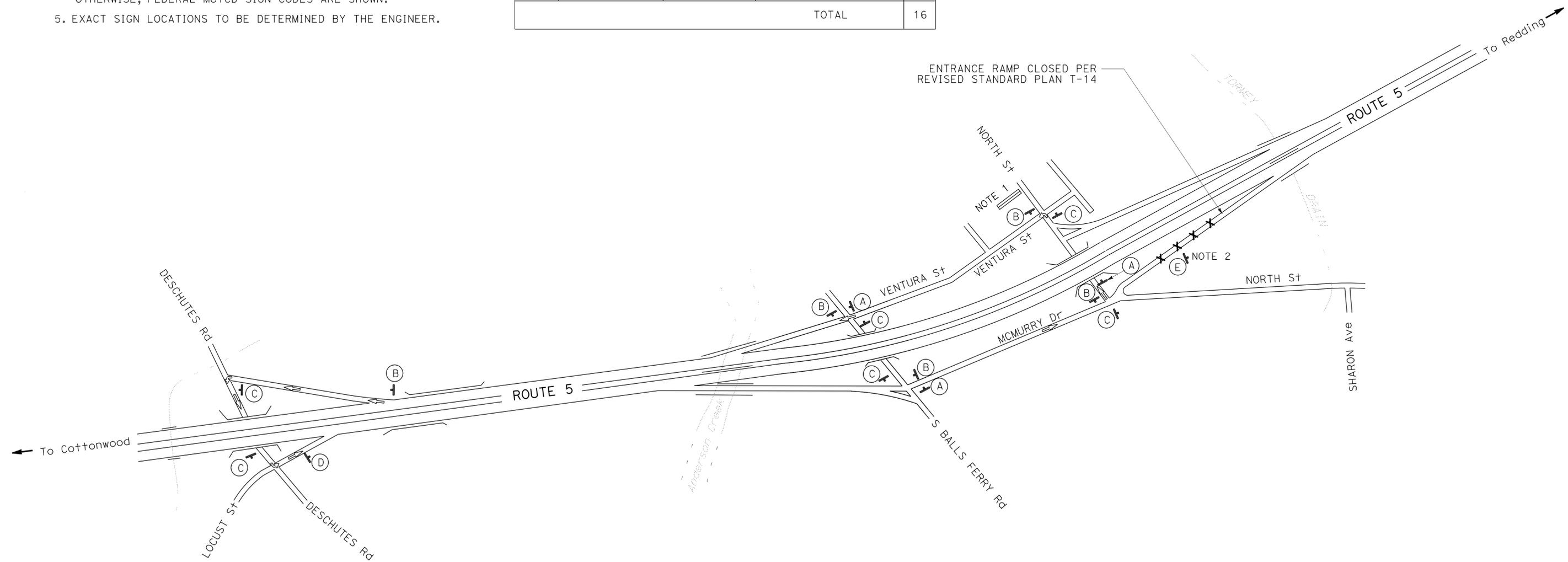
NOTES:

- PRE-NOTIFICATION PCMS: PLACE NEAR RAMP AND ACTIVATE APPROXIMATELY 12 HOURS PRIOR TO RAMP CLOSURE.

RAMP WILL BE CLOSED	TONIGHT (OR TODAY) OPM - OAM
FRAME 1	FRAME 2
- RAMP CLOSED PCMS: PLACE BEFORE SOUTH STREET AND ACTIVATE DURING RAMP CLOSURE.

NB I-5 ON-RAMP CLOSED	FOLLOW DETOUR
FRAME 1	FRAME 2
- PLACE 7 DAYS PRIOR TO RAMP CLOSURE.
- CALIFORNIA SIGN CODES ARE DESIGNATED BY (CA), OTHERWISE, FEDERAL MUTCD SIGN CODES ARE SHOWN.
- EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 Beth Elmore
 Bill Sutherland
 John Martin
 Functional Supervisor
 Calculated/Designed By
 Checked By
 Revised By
 Date Revised
 USERNAME => s121614
 DGN FILE => 0200020318mg002.dgn
 BORDER LAST REVISED 7/2/2010
 UNIT 0315
 PROJECT NUMBER & PHASE 02000203181



DETOUR FOR CLOSURE OF ROUTE 5 NB ENTRANCE RAMP FROM NORTH STREET

LOCATION 8
DETOUR PLAN
 NO SCALE

DE-2

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY



LAST REVISION DATE PLOTTED => 02-MAY-2013
 12-27-12 TIME PLOTTED => 09:01

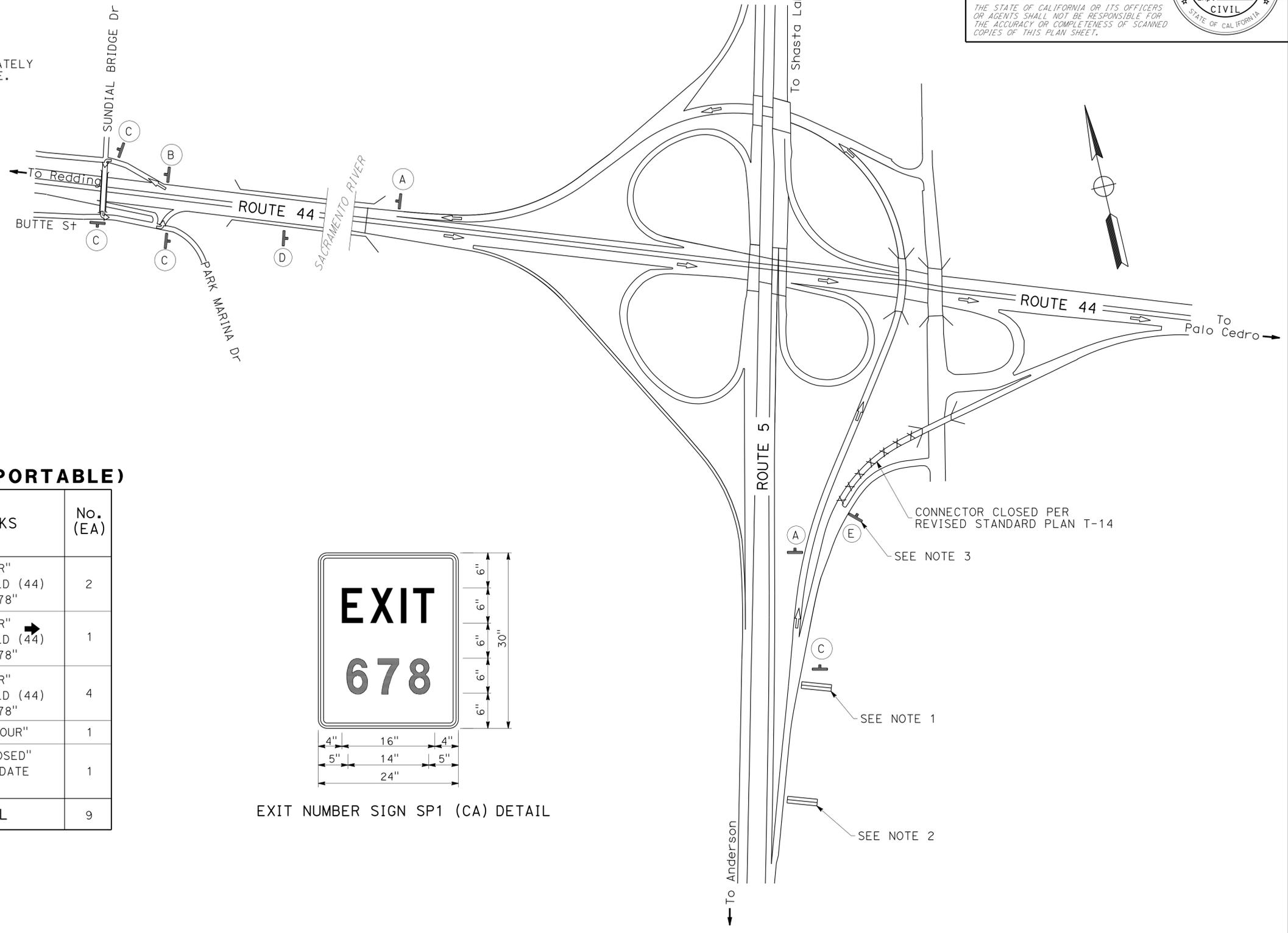
NOTES:

- PRE-NOTIFICATION PCMS: PLACE NEAR RAMP AND ACTIVATE APPROXIMATELY 12 HOURS PRIOR TO RAMP CLOSURE.

RAMP WILL BE CLOSED	TONIGHT (OR TODAY) OPM - OAM
FRAME 1	FRAME 2
- RAMP CLOSED PCMS: MOVE PRE-NOTIFICATION PCMS APPROXIMATELY 1000 FEET BEFORE RAMP AND ACTIVATE DURING RAMP CLOSURE.

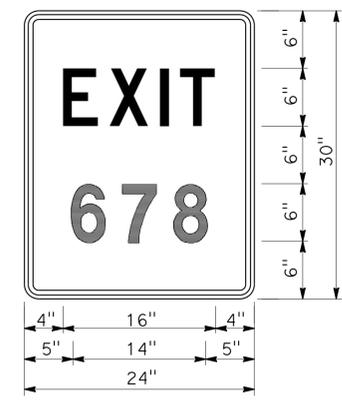
EB 44 ON-RAMP CLOSED	FOLLOW DETOUR KEEP LEFT
FRAME 1	FRAME 2
- PLACE 7 DAYS PRIOR TO RAMP CLOSURE.
- CALIFORNIA SIGN CODES ARE DESIGNATED BY (CA), OTHERWISE, FEDERAL MUTCD SIGN CODES ARE SHOWN.
- EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

LEGEND:



CONSTRUCTION AREA SIGNS (PORTABLE)

SIGN No.	CODE	PANEL SIZE	REMARKS	No. (EA)
A	SC3(CA) G28-1(44)(CA) SP1(CA)	48" x 18" 21" x 18" 24" x 30"	↑ "DETOUR" ROUTE SHIELD (44) "EXIT 678"	2
B	M4-10 R G28-1(44)(CA) SP1(CA)	48" x 18" 21" x 18" 24" x 30"	"DETOUR" → ROUTE SHIELD (44) "EXIT 678"	1
C	M4-10 L G28-1(44)(CA) SP1(CA)	48" x 18" 21" x 18" 24" x 30"	← "DETOUR" ROUTE SHIELD (44) "EXIT 678"	4
D	M4-8A	24" x 18"	"END DETOUR"	1
E	SC6-4(CA)	48" x 60"	"RAMP CLOSED" DATE TO DATE TIME	1
TOTAL				9



EXIT NUMBER SIGN SP1 (CA) DETAIL

DETOUR FOR CLOSURE OF ROUTE 5 NB CONNECTOR TO ROUTE 44 EB

**LOCATION 10
DETOUR PLAN**

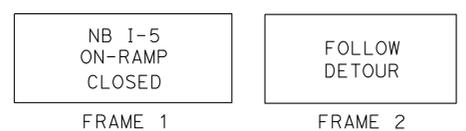
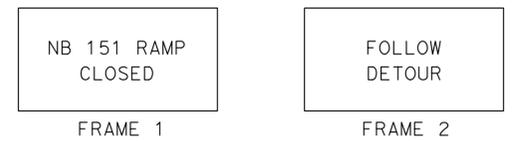
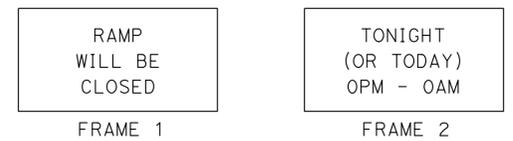
DE-3

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 Beth Elmore
 Bill Sutherland
 John Martin
 Functional Supervisor
 Calculated/Designed By
 Checked By
 Revised By
 Date Revised
 USERNAME => s121614
 DGN FILE => 0200020318mg003.dgn
 BORDER LAST REVISED 7/2/2010
 UNIT 0315
 PROJECT NUMBER & PHASE 02000203181
 LAST REVISION DATE PLOTTED => 02-MAY-2013
 12-27-12 TIME PLOTTED => 09:01

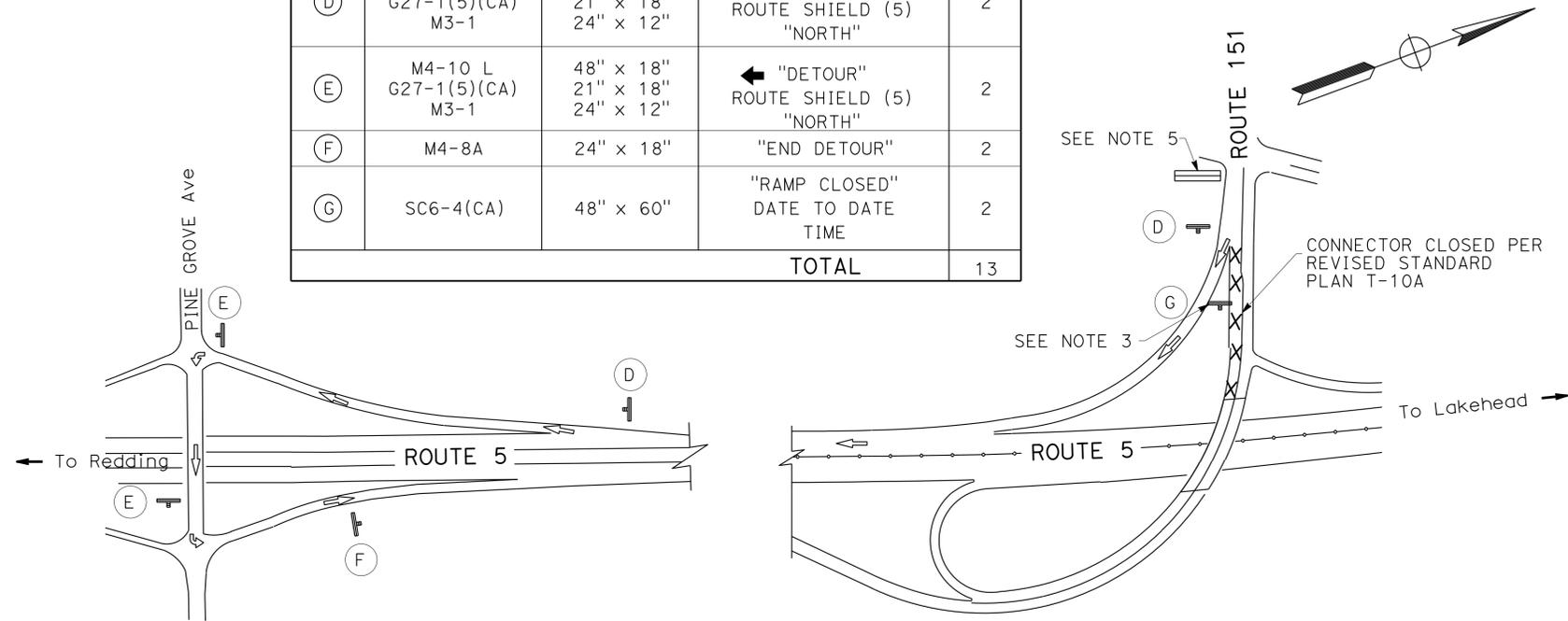
NOTES:

- PRE-NOTIFICATION PCMS: PLACE NEAR RAMP AND ACTIVATE APPROXIMATELY 12 HOURS PRIOR TO RAMP CLOSURE.
- RAMP CLOSED PCMS: MOVE PRE-NOTIFICATION PCMS APPROXIMATELY 1000 FEET BEFORE RAMP AND ACTIVATE DURING RAMP CLOSURE.
- PLACE 7 DAYS PRIOR TO RAMP CLOSURE.
- CALIFORNIA SIGN CODES ARE DESIGNATED BY (CA), OTHERWISE, FEDERAL MUTCD SIGN CODES ARE SHOWN.
- RAMP CLOSED PCMS: PLACE BEFORE OPEN ON-RAMP AND ACTIVATE DURING RAMP CLOSURE.
- EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

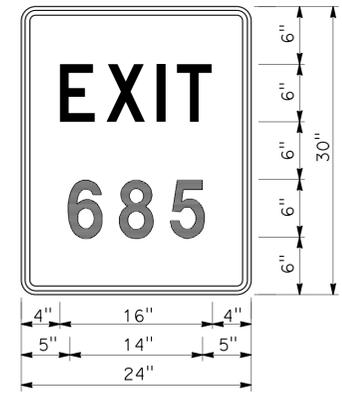


CONSTRUCTION AREA SIGNS (PORTABLE)

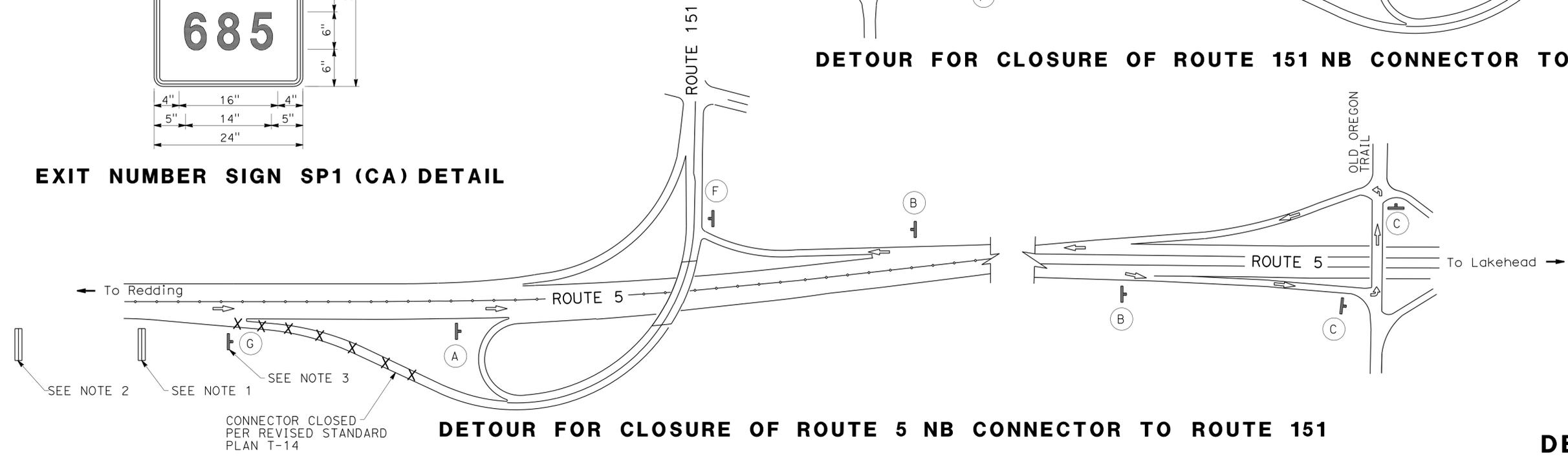
SIGN No.	CODE	PANEL SIZE	REMARKS	No. (EA)
(A)	SC3(CA) G28-1(151)(CA) SP1(CA)	48" x 18" 24" x 18" 24" x 30"	↑ "DETOUR" ROUTE SHIELD (151) "EXIT 685"	1
(B)	M4-10 R G28-1(151)(CA) SP1(CA)	48" x 18" 24" x 18" 24" x 30"	"DETOUR" → ROUTE SHIELD (151) "EXIT 685"	2
(C)	M4-10 L G28-1(151)(CA) SP1(CA)	48" x 18" 24" x 18" 24" x 30"	← "DETOUR" ROUTE SHIELD (151) "EXIT 685"	2
(D)	M4-10 R G27-1(5)(CA) M3-1	48" x 18" 21" x 18" 24" x 12"	"DETOUR" → ROUTE SHIELD (5) "NORTH"	2
(E)	M4-10 L G27-1(5)(CA) M3-1	48" x 18" 21" x 18" 24" x 12"	← "DETOUR" ROUTE SHIELD (5) "NORTH"	2
(F)	M4-8A	24" x 18"	"END DETOUR"	2
(G)	SC6-4(CA)	48" x 60"	"RAMP CLOSED" DATE TO DATE TIME	2
TOTAL				13



DETOUR FOR CLOSURE OF ROUTE 151 NB CONNECTOR TO ROUTE 5



EXIT NUMBER SIGN SP1 (CA) DETAIL



DETOUR FOR CLOSURE OF ROUTE 5 NB CONNECTOR TO ROUTE 151

**LOCATION 11
DETOUR PLAN**

NO SCALE

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 Beth Elmore
 Bill Sutherland
 John Martin
 USERNAME => s121614
 DGN FILE => 0200020318mg004.dgn
 BORDER LAST REVISED 7/2/2010
 UNIT 0315
 PROJECT NUMBER & PHASE 02000203181
 DE-4

LAST REVISION DATE PLOTTED => 02-MAY-2013
 12-27-12 TIME PLOTTED => 09:09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	37	74

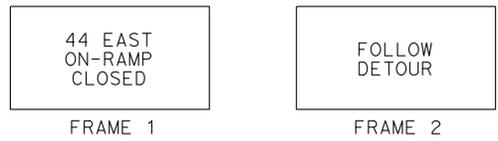
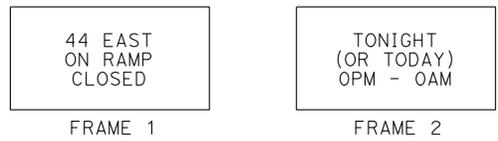
William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

W. D. SUTHERLAND
 No. C61579
 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.

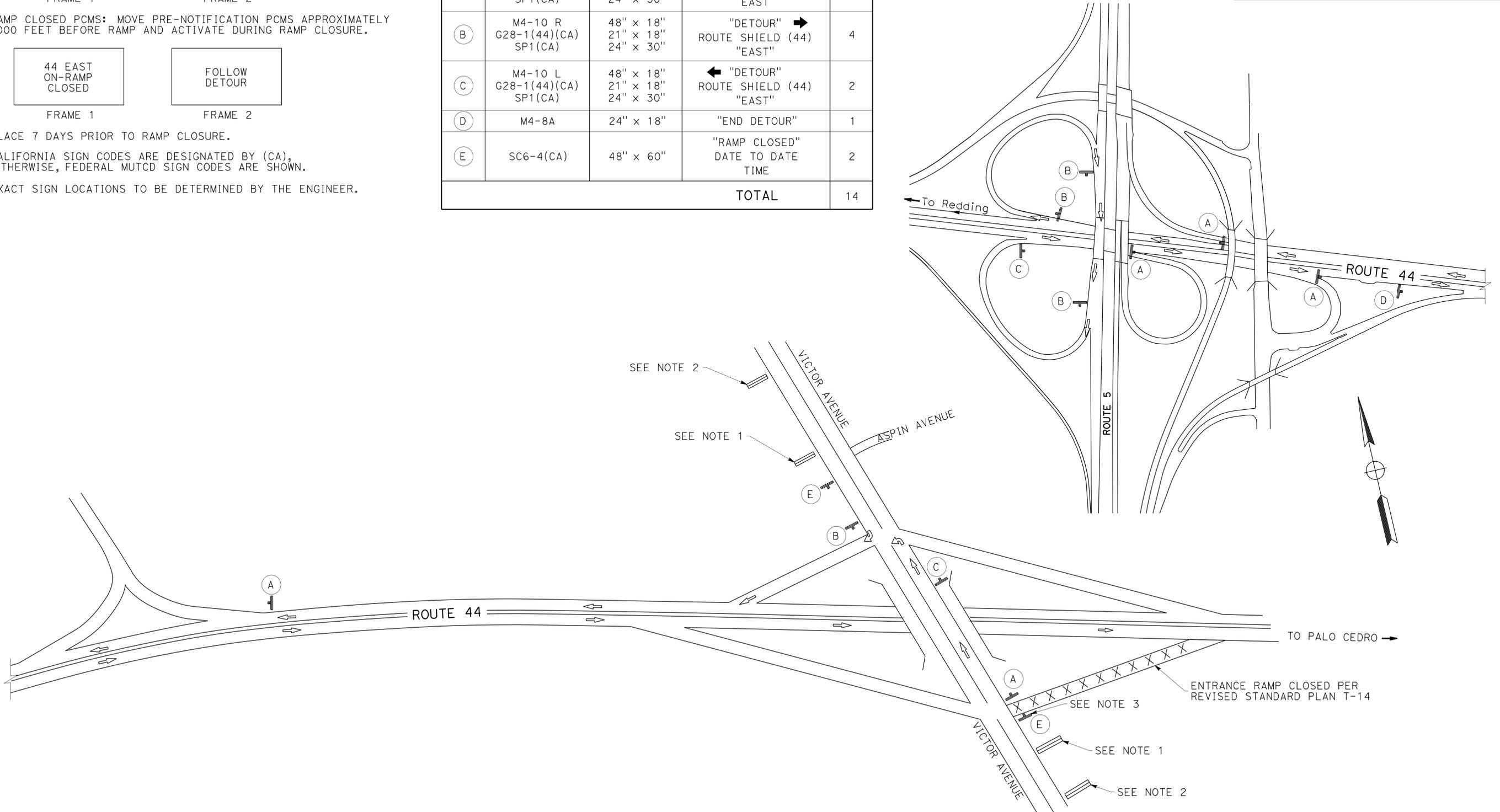
NOTES:

- PRE-NOTIFICATION PCMS: PLACE NEAR RAMP AND ACTIVATE APPROXIMATELY 12 HOURS PRIOR TO RAMP CLOSURE.
- RAMP CLOSED PCMS: MOVE PRE-NOTIFICATION PCMS APPROXIMATELY 1000 FEET BEFORE RAMP AND ACTIVATE DURING RAMP CLOSURE.
- PLACE 7 DAYS PRIOR TO RAMP CLOSURE.
- CALIFORNIA SIGN CODES ARE DESIGNATED BY (CA), OTHERWISE, FEDERAL MUTCD SIGN CODES ARE SHOWN.
- EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.



CONSTRUCTION AREA SIGNS (PORTABLE)

SIGN No.	CODE	PANEL SIZE	REMARKS	No. (EA)
(A)	SC3(CA) G28-1(44)(CA) SP1(CA)	48" x 18" 21" x 18" 24" x 30"	↑ "DETOUR" ROUTE SHIELD (44) "EAST"	5
(B)	M4-10 R G28-1(44)(CA) SP1(CA)	48" x 18" 21" x 18" 24" x 30"	"DETOUR" → ROUTE SHIELD (44) "EAST"	4
(C)	M4-10 L G28-1(44)(CA) SP1(CA)	48" x 18" 21" x 18" 24" x 30"	← "DETOUR" ROUTE SHIELD (44) "EAST"	2
(D)	M4-8A	24" x 18"	"END DETOUR"	1
(E)	SC6-4(CA)	48" x 60"	"RAMP CLOSED" DATE TO DATE TIME	2
TOTAL				14



DETOUR FOR CLOSURE OF ROUTE 44 EAST ON-RAMP AT VICTOR AVENUE

**LOCATIONS 15,16
DETOUR PLAN**

NO SCALE

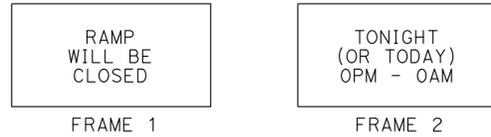
DE-5

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

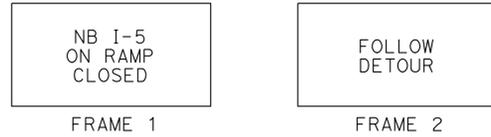
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 Beth Elmore
 Bill Sutherland
 John Martin
 John Martin
 John Martin

NOTES:

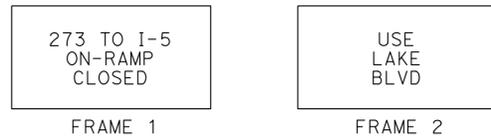
1. PRE-NOTIFICATION PCMS: PLACE NEAR RAMP AND ACTIVATE APPROXIMATELY 12 HOURS PRIOR TO RAMP CLOSURE.



2A. RAMP CLOSED PCMS: MOVE PRE-NOTIFICATION PCMS APPROXIMATELY 1000 FEET BEFORE RAMP AND ACTIVATE DURING RAMP CLOSURE.



2B. RAMP CLOSED PCMS: MOVE PRE-NOTIFICATION PCMS APPROXIMATELY 1000 FEET BEFORE RAMP AND ACTIVATE DURING RAMP CLOSURE.



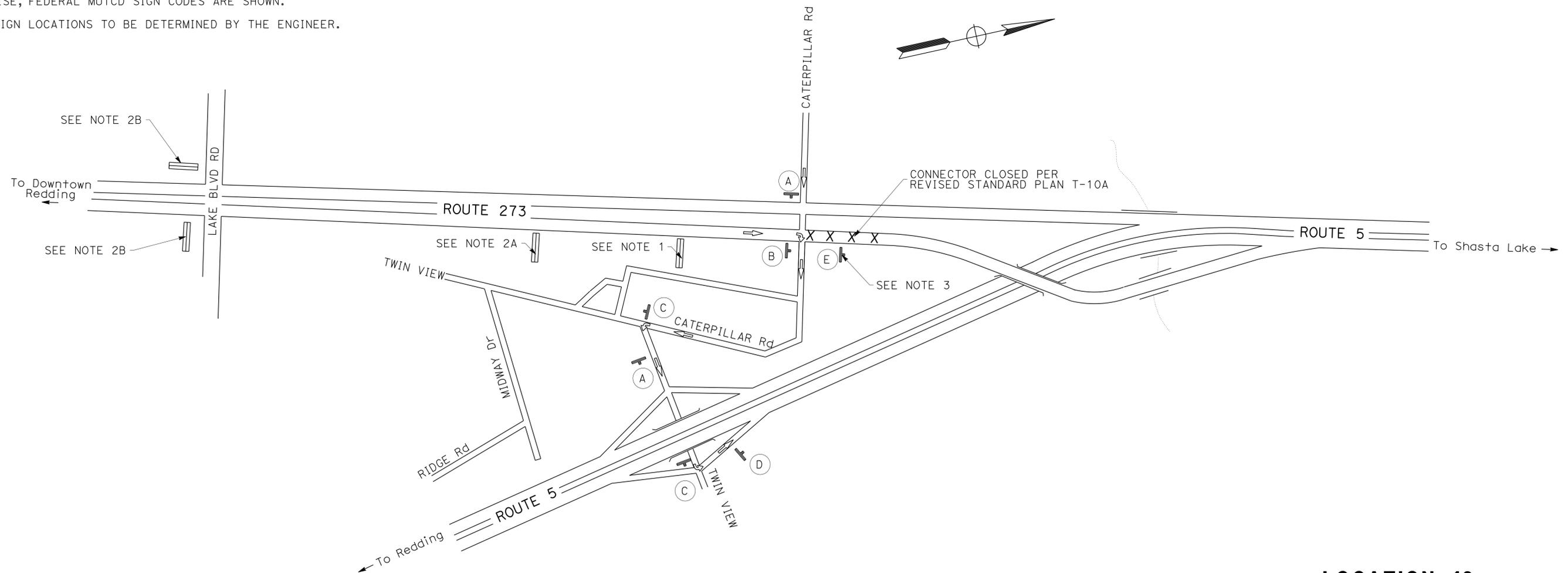
3. PLACE 7 DAYS PRIOR TO RAMP CLOSURE.

4. CALIFORNIA SIGN CODES ARE DESIGNATED BY (CA), OTHERWISE, FEDERAL MUTCD SIGN CODES ARE SHOWN.

5. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

CONSTRUCTION AREA SIGNS (PORTABLE)

SIGN No.	CODE	PANEL SIZE	REMARKS	No. (EA)
(A)	SC3(CA) G27-1(5)(CA) M3-1	48" x 18" 21" x 18" 24" x 12"	↑ "DETOUR" ROUTE SHIELD (5) "NORTH"	2
(B)	M4-10 R G27-1(5)(CA) M3-1	48" x 18" 21" x 18" 24" x 12"	"DETOUR" → ROUTE SHIELD (5) "NORTH"	1
(C)	M4-10 L G27-1(5)(CA) M3-1	48" x 18" 21" x 18" 24" x 12"	← "DETOUR" ROUTE SHIELD (5) "NORTH"	2
(D)	M4-8A	24" x 18"	"END DETOUR"	1
(E)	SC6-4(CA)	48" x 60"	"RAMP CLOSED" DATE TO DATE TIME	1
TOTAL				7



DETOUR FOR CLOSURE OF ROUTE 273 NB CONNECTOR TO ROUTE 5

**LOCATION 18
DETOUR PLAN**
NO SCALE

DE-6

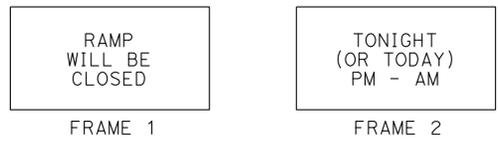
APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION DESIGN
 Beth Elmore, Bill Sutherland, John Martin, Functional Supervisor
 Calculated/Designed by, Checked by, Revised by, Date Revised
 USERNAME => s121614, DGN FILE => 0200020318mg006.dgn
 BORDER LAST REVISED 7/2/2010
 UNIT 0315, PROJECT NUMBER & PHASE 02000203181

LAST REVISION DATE PLOTTED => 02-MAY-2013
 12-27-12 TIME PLOTTED => 09:09

NOTES:

1. PRE-NOTIFICATION PCMS: PLACE NEAR RAMP AND ACTIVATE APPROXIMATELY 12 HOURS PRIOR TO RAMP CLOSURE.



2A. RAMP CLOSED PCMS: PLACE PCMS APPROXIMATELY 1500 FEET IN ADVANCE OF THE RAMP AND ACTIVATE DURING CLOSURE.



2B. RAMP CLOSED PCMS: PLACE PCMS APPROXIMATELY 1500 FEET IN ADVANCE OF THE RAMP AND ACTIVATE DURING CLOSURE.



2C. RAMP CLOSED PCMS: PLACE PCMS APPROXIMATELY 1500 FEET IN ADVANCE OF THE RAMP AND ACTIVATE DURING CLOSURE.



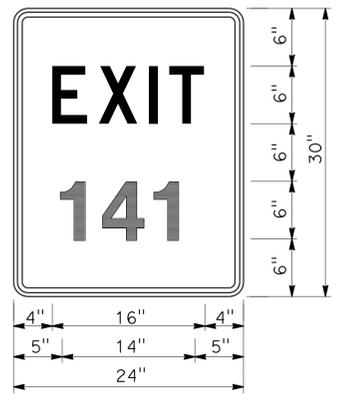
3. RAMP CLOSED PCMS: PLACE 1000 FEET AFTER PCMS #2 OR AS DIRECTED BY ENGINEER. ACTIVATE DURING RAMP CLOSURE



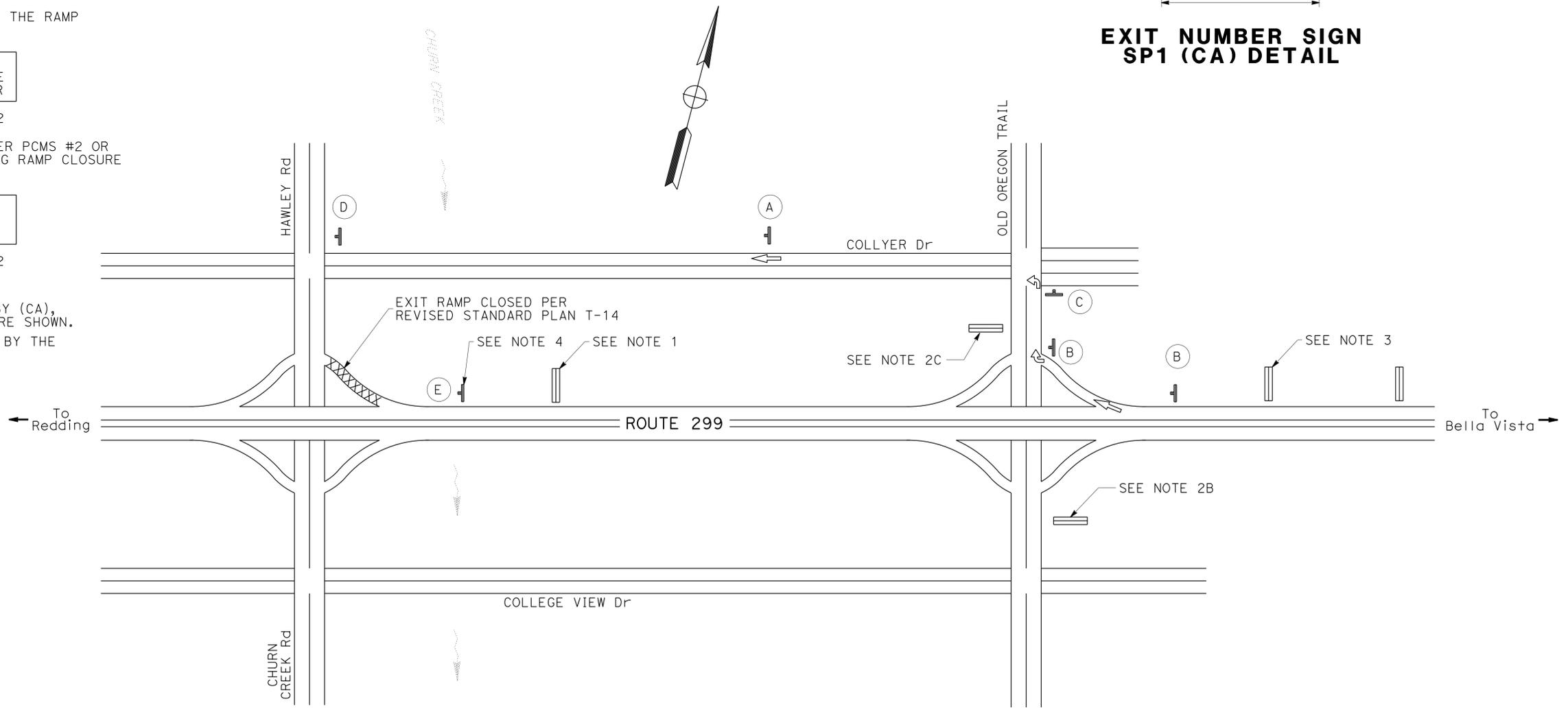
4. PLACE 7 DAYS PRIOR TO RAMP CLOSURE.
 5. CALIFORNIA SIGN CODES ARE DESIGNATED BY (CA), OTHERWISE, FEDERAL MUTCD SIGN CODES ARE SHOWN.
 6. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

CONSTRUCTION AREA SIGNS (PORTABLE)

SIGN No.	CODE	PANEL SIZE	REMARKS	No. (EA)
(A)	SC3(CA) G28-1(299)(CA) SP1(CA)	48" x 18" 24" x 18" 24" x 30"	↑ "DETOUR" ROUTE SHIELD (299) "EXIT 141"	1
(B)	M4-10 R G28-1(299)(CA) SP1(CA)	48" x 18" 24" x 18" 24" x 30"	"DETOUR" → ROUTE SHIELD (299) "EXIT 141"	2
(C)	M4-10 L G28-1(299)(CA) SP1(CA)	48" x 18" 24" x 18" 24" x 30"	← "DETOUR" ROUTE SHIELD (299) "EXIT 141"	1
(D)	M4-8A	24" x 18"	"END DETOUR"	1
(E)	SC6-4(CA)	48" x 60"	"RAMP CLOSED" DATE TO DATE TIME	1
TOTAL				6



EXIT NUMBER SIGN SP1 (CA) DETAIL



DETOUR FOR CLOSURE OF HAWLEY ROAD/CHURN CREEK ROAD EXIT

**LOCATION 21
DETOUR PLAN**
NO SCALE

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 JOHN MARTIN
 FUNCTIONAL SUPERVISOR
 CHECKED BY
 BETH ELMORE
 REVISOR
 DATE REVISOR
 DATE REVISOR

Caltrans
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 JOHN MARTIN
 FUNCTIONAL SUPERVISOR
 CHECKED BY
 BETH ELMORE
 REVISOR
 DATE REVISOR
 DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	40	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 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.

PAVEMENT DELINEATION

Loc	CO	Rte	PM	Br No.	BRIDGE NAME	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)										PAVEMENT MARKER (RETROREFLECTIVE)			PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)		
						4" WHITE STRIPE					4" YELLOW STRIPE			8" WHITE STRIPE		TYPE D	TYPE G	TYPE H	TYPE C	TYPE G	TYPE H
						DETAIL 8	DETAIL 9	DETAIL 12	DETAIL 14A	DETAIL 27B	DETAIL 22	DETAIL 25	DETAIL 25A	DETAIL 36	DETAIL 38						
						LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	
1	Sha	5	0.66	06-0016	FIRST STREET OC					458	229				6						
2	Sha	5	0.19	06-0037	FOURTH STREET OC					458	229				6						
9	Sha	5	9.77	06-0134	KNIGHTON ROAD OC					648	324				8						
10	Sha	5	15.31	06-0099G	N5-E44 CONNECTOR OC					333		333					15				
11	Sha	5	22.14	06-0156	ROUTE 151/5 SEPARATION			426		880		877				10	20				
12	Sha	5	29.29	06-0130L	TURNTABLE BAY ROAD OC			1115		1463		983							26	22	
13	Sha	5	30.23	06-0147L	POWER LINE ROAD UC		300	3709	270	3694		1940		360				7	105	42	
14	Sha	44	0.38	06-0191	CHURN CREEK ROAD OC			435		435	218				6	11					
15	Sha	44	1.56	06-0153L	CHURN CREEK	65		335		335		335				8	8				
16	Sha	44	1.56	06-0153R	CHURN CREEK			335		335		335				8	8				
17	Sha	273	17.08	06-0014	SACRAMENTO RIVER	78		2878		1628	914	1580			25	63	34				
18	Sha	273	20.00	06-0137G	N273-N5 CONNECTOR OC					583			583				26				
20	Sha	299	25.54	06-0177L	HAWLEY ROAD UC			436		436		436				11	11				
21	Sha	299	25.71	06-0043L	CHURN CREEK			448		527		593		364		28	14				
22	Sha	299	27.22	06-0178L	OLD OREGON TRAIL UC			358		389		397				9	10				
SUB TOTAL						143	300	10,475	270	12,602	1914	7476	916	364	360	51	148	146	7	131	64
TOTAL																345			202		

OBJECT MARKER AND DELINEATOR

Loc	Co	Rte	PM	Br No.	BRIDGE NAME	OBJECT MARKERS		DELINEATOR (CLASS 1)
						TYPE K-1 (CA)	TYPE P	TYPE F
						EA	EA	EA
12	Sha	5	29.29	06-0130L	TURNTABLE BAY ROAD OC		2	10
13	Sha	5	30.23	06-0147L	POWER LINE ROAD UC		1	10
17	Sha	273	17.08	06-0014	SACRAMENTO RIVER	2		
TOTAL						2	3	20

THERMOPLASTIC PAVEMENT MARKING

LOCATION	COUNTY	ROUTE	TRAFFIC DIRECTION	BRIDGE No.	BRIDGE NAME	No.	SQFT	TYPE PAVEMENT MARKING
11	Sha	5	WB	06-0156	ROUTE 151/5 SEPARATION	2	62	AHEAD
11	Sha	5	WB	06-0156	ROUTE 151/5 SEPARATION	2	64	SIGNAL
11	Sha	5	WB	06-0156	ROUTE 151/5 SEPARATION	2	66	TYPE V ARROW
11	Sha	5	WB	06-0156	ROUTE 151/5 SEPARATION	1	24	LIMIT LINE
17	Sha	273	SB	06-0014	SACRAMENTO RIVER	1	185	HATCHING
TOTAL							401	

PAVEMENT DELINEATION QUANTITIES PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION DESIGN
 Et Caltrans
 FUNCTIONAL SUPERVISOR JOHN MARTIN
 CALCULATED/DESIGNED BY CHECKED BY
 BETH ELMORE/JOLENA ASTIN BILL SUTHERLAND
 REVISED BY DATE REVISED
 USERNAME => s124496
 DGN FILE => 0200020318nc001.dgn
 BORDER LAST REVISED 7/2/2010
 RELATIVE BORDER SCALE IS IN INCHES
 UNIT 0315
 PROJECT NUMBER & PHASE 02000203181

LAST REVISION DATE PLOTTED => 30-APR-2013
 12-23-12 TIME PLOTTED => 1:31:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	41	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 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.

BRIDGE APPROACH AND DEPARTURE PAVEMENT QUANTITIES

LOCATION	ROUTE	PM	BRIDGE NUMBER	BRIDGE NAME	DIRECTION OF TRAVEL OR BB	APPROACH OR DEPARTURE	REMOVE ASPHALT CONCRETE PAVEMENT (SQFT)	REMOVE ASPHALT CONCRETE DIKE	COLD PLANE ASPHALT CONCRETE PAVEMENT	REMOVE CONCRETE SIDEWALK (SQYD)	REMOVE CONCRETE (CURB AND GUTTER)	REMOVE CONCRETE BARRIER	ROADWAY EXCAVATION	SHOULDER BACKING	CLASS 2 AGGREGATE BASE (CY)	HOT MIX ASPHALT (TYPE A)	SHOULDER RUMBLE STRIP (HMA, GROUND-IN INDENTATIONS)	PLACE HOT MIX ASPHALT DIKE (TYPE C)	PLACE HOT MIX ASPHALT DIKE (TYPE F)	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	TACK COAT	MINOR CONCRETE (CURB AND GUTTER)	MINOR CONCRETE (SIDEWALK)	CONCRETE BARRIER (TRANSITION ANCHOR BLOCK)	CONCRETE BARRIER (TYPE 60)
							SQFT	LF	SQYD	SQYD	LF	LF	CY	TON	CY	TON	STA	LF	LF	SQYD	TON	CY	CY	LF	LF
10	5	R15.31	06-0099G	N5-E44 CONNECTOR OC	NB	APPROACH		78.5	242				7	12		45				75	0.02			7	
					NB	DEPARTURE							7	12						45				0.02	
11	5	R22.14	06-0156	ROUTE 151/5 SEPARATION	EB	APPROACH			289				6	8		189					0.13			3.5	
					WB	DEPARTURE							6	8					243				0.16		
11	5	R22.14	06-0156	ROUTE 151/5 SEPARATION	WB	APPROACH		53.5	268				9	6		171				50	0.12			12.5	
					EB	DEPARTURE		103.5	204				9	6					130		37.5	62.5	0.09		
12	5	R29.29	06-0130L	TURNABLE BAY ROAD UC	SB	APPROACH			795			7	8	16		127	14				0.11				
					SB	DEPARTURE			611				20	4	8				104	7			4	0.07	
13	5	R30.23	06-0147L	POWER LINE ROAD UC	SB	APPROACH			472			7	322	16	204	296	21				0.28				
					SB	DEPARTURE			384							322	16	204	286	18				0.26	
15	44	1.56	06-0153L	CHURN CREEK	EB	APPROACH			390				1	6		43	1.3				0.03				
					EB	DEPARTURE			385							1	6		43	1.3				0.03	
16	44	1.56	06-0153R	CHURN CREEK	EB	APPROACH			304				1	6		34	1.3				0.03				
					EB	DEPARTURE			325							1	6		36	1.3				0.03	
17	273	17.08	06-0014	SACRAMENTO RIVER	SB	APPROACH				15	82		104		140	106					0.08	5.7	1.7		
					SB	DEPARTURE				15	82					106		81	91				3	0.07	1.9
17	273	17.08	06-0014	SACRAMENTO RIVER	NB	APPROACH				15	75		116		97	116					0.09	5.3	1.7		
					NB	DEPARTURE				15	82					118		112	106				3	0.08	5.7
18	273	20.00	06-0137G	N273-N5 CONNECTOR OC	EB	APPROACH			309				6	12		57					0.03			25	
					EB	DEPARTURE	30		309							6	12		58				3	0.03	
20	299	25.54	06-0177L	HAWLEY ROAD UC	WB	APPROACH	1220		628				15	12		118				6	0.05				
					WB	DEPARTURE			628							15	24		117					0.05	
21	299	25.71	06-0043L	CHURN CREEK	WB	APPROACH	1214		849				19	12		158				5	0.02				
					WB	DEPARTURE			1117							19	24		207					0.03	
22	299	27.22	06-0178L	OLD OREGON TRAIL UC	WB	APPROACH	795		455				9	10		86				5	0.04				
					WB	DEPARTURE			455							9	20		85					0.04	
TOTAL							3,259	235.5	10,032	60	321	34	1246	258	838	3,097	65.2	37.5	187.5	29	1.99	18.6	6.8	51.5	20

SUMMARY OF QUANTITIES

Q-1

P:\proj\1\02\4E530\plans\pse\0200020318pa001.dgn
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 JOHN MARTIN
 CHECKED BY
 BILL SUTHERLAND
 BETH ELMORE
 REVISED BY
 DATE REVISED

LAST REVISION | DATE PLOTTED => 30-APR-2013
 01-15-13 | TIME PLOTTED => 14:23

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	42	74

William D. Sutherland 02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

W. D. SUTHERLAND
 No. C61579
 Exp. 6-30-13
 CIVIL

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

NOTE:

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

ADJUST MANHOLE

LOCATION	BRIDGE NUMBER	BRIDGE NAME	NB/SB	APPROACH OR DEPARTURE	ADJUST MANHOLE TO GRADE
					EA
17	06-0014	SACRAMENTO RIVER	NB	DEPARTURE	1
	06-0014	SACRAMENTO RIVER	NB	DEPARTURE	1
TOTAL					2

STRAW

LOCATION	DESCRIPTION	STRAW
		SQFT
10	APPLY STRAW	1650
11	APPLY STRAW	1850
12	APPLY STRAW	1150
13	APPLY STRAW	1150
15	APPLY STRAW	300
16	APPLY STRAW	300
18	APPLY STRAW	1350
20	APPLY STRAW	2000
21	APPLY STRAW	2000
22	APPLY STRAW	1650
TOTAL		13,400

NOTES:
 1. APPLY RICE STRAW 2" THICK OR SUFFICIENT TO COVER DISTURBED SOILS.
 2. AT THE OPTION OF THE CONTRACTOR, RICE STRAW CAN BE HAND APPLIED.

REMOVE PIPE

LOCATION	REMOVE PIPE
	LF
17	740

ADJUST INLET

LOCATION	BRIDGE NUMBER	BRIDGE NAME	NB/SB EB/WB	APPROACH OR DEPARTURE	ADJUST INLET
					EA
17	06-0014	SACRAMENTO RIVER	NB	APPROACH	1
	06-0014	SACRAMENTO RIVER	SB	DEPARTURE	3
TOTAL					4

TEMPORARY FENCE

SHEET	LOCATION	BRIDGE NUMBER	TEMPORARY FENCE (TYPE CL-6)	TEMPORARY FENCE (TYPE ESA)
			LF	LF
L-1	17 (AT ABUTMENT 1)	06-0014	324	
L-1	17 (AT ABUTMENT 9)	06-0014	212	280
TOTAL			536	280

METAL BEAM GUARD RAILING

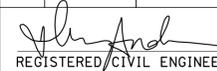
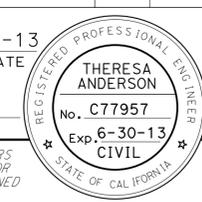
LOCATION	ROUTE	PM	BRIDGE NUMBER	BRIDGE NAME	APPROACH OR DEPARTURE	REMOVE METAL BEAM GUARD RAILING	RECONSTRUCT METAL BEAM GUARD RAILING	METAL BEAM GUARD RAILING (STEEL POST)	VEGETATION CONTROL (MINOR CONCRETE)	TRANSITION RAILING (TYPE WB)	TREATED WOOD WASTE	EXIST POST TYPE (N)	EXIST BLOCK TYPE (N)
						LF	LF	LF	SQYD	EA	LB		
10	5	R15.31	06-0099G	N5-E44 CONNECTOR OC	APPROACH DEPARTURE	57	100			2	4200	WOOD	WOOD
11 WB	5	R22.14	06-0156	ROUTE 151/5 SEPARATION	APPROACH	37.5	112.5			1	4900	WOOD	WOOD
					DEPARTURE		62.5					WOOD	WOOD
11 EB	5	R22.14	06-0156	ROUTE 151/5 SEPARATION	APPROACH	28.5	25			1	4900	WOOD	WOOD
					DEPARTURE	28.5	75			1		WOOD	WOOD
12	5	R29.29	06-0130L	TURNTABLE BAY ROAD UC	APPROACH		225	7			4900	STEEL	PLASTIC
					DEPARTURE							STEEL	PLASTIC
13	5	R30.23	06-0147L	POWER LINE ROAD UC	APPROACH		225	7			4900	STEEL	PLASTIC
					DEPARTURE							STEEL	PLASTIC
15	44	R1.56	06-0153L	CHURN CREEK	APPROACH		75				1120	WOOD	WOOD
					DEPARTURE							WOOD	WOOD
16	44	R1.56	06-0153R	CHURN CREEK	APPROACH		75				1120	WOOD	WOOD
					DEPARTURE							WOOD	WOOD
18	273	20.00	06-0137G	N273-N5 CONNECTOR OC	APPROACH	75	100			2	3500	WOOD	WOOD
					DEPARTURE		87.5					WOOD	WOOD
20	299	25.54	06-0177L	HAWLEY ROAD UC	APPROACH		200		130		2800	WOOD	WOOD
					DEPARTURE							WOOD	WOOD
21	299	25.71	06-0043L	CHURN CREEK	APPROACH		200		130		2800	WOOD	WOOD
					DEPARTURE							WOOD	WOOD
22	299	27.22	06-0178L	OLD OREGON TRAIL UC	APPROACH		162.5		83		2380	WOOD	WOOD
					DEPARTURE							WOOD	WOOD
TOTAL						226.5	1900	14	343	7	22,820		

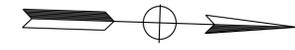
TEMPORARY WATER POLLUTION CONTROL

LOCATION	BRIDGE NUMBER	BRIDGE NAME	NB/SB EB/WB	APPROACH OR DEPARTURE	TEMPORARY DRAINAGE INLET PROTECTION	TEMPORARY MULCH	TEMPORARY FIBER ROLL
					EA	SQYD	LF
11	06-0156	ROUTE 151/5 SEPARATION				20	60
15	06-0153L	CHURN CREEK					20
16	06-0153R	CHURN CREEK					20
17	06-0014	SACRAMENTO RIVER	NB	APPROACH	4	140	50
	06-0014	SACRAMENTO RIVER	SB	DEPARTURE		140	50
18	06-0137G	N273-N5 CONNECTOR OC	NB	APPROACH	1		
19	06-0096	WHISKEY CREEK	EB	APPROACH	1		
	06-0096	WHISKEY CREEK	WB	DEPARTURE	1		
20	06-0177L	HAWLEY ROAD UC	WB	APPROACH	1		
21	06-0043L	CHURN CREEK	WB	APPROACH	1		
22	06-0178L	OLD OREGON TRAIL UC	WB	APPROACH	1		
TOTAL					10	300	200

SUMMARY OF QUANTITIES Q-2

P:\proj\1\02\4E530\plans\pse\0200020318pa002.dgn
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 FUNCTIONAL SUPERVISOR JOHN MARTIN
 CALCULATED/DESIGNED BY
 CHECKED BY
 JOLENA ASTIN
 BILL SUTHERLAND
 REVISED BY
 DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	44	74
 REGISTERED CIVIL ENGINEER			02-26-13 DATE		
4-29-13 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>					

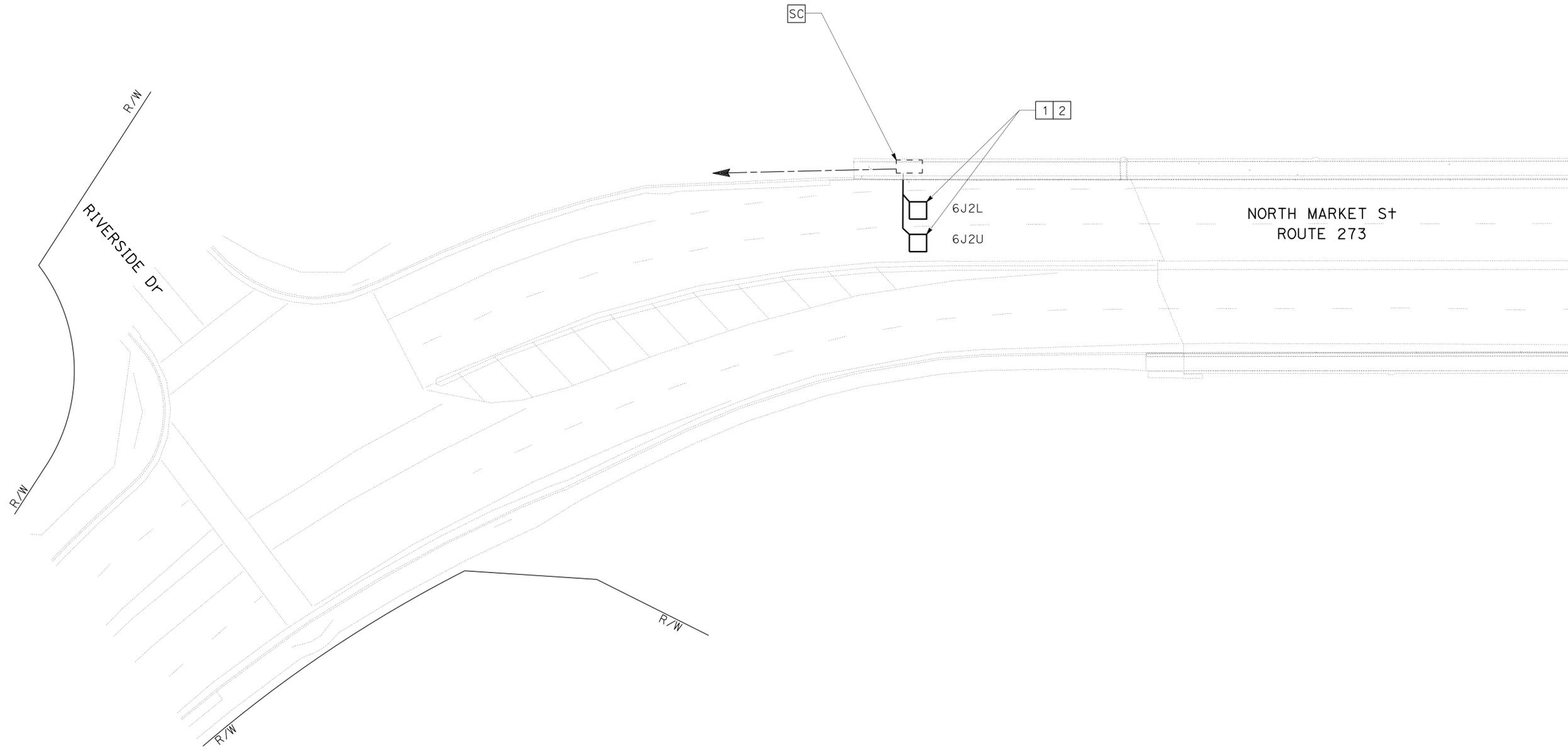


NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING SIGNAL EQUIPMENT NOT SHOWN. VIVDS USED AT INTERSECTION.

LEGEND (THIS SHEET):

- 1 ABANDON Exist TYPE A LOOP. INSTALL NEW TYPE A LOOP.
- 2 INSTALL LOOP 185' FROM LIMIT LINE.



TERI ANDERSON	REVISOR	REVISION
ARTURO ROBLES	DATE	REVISION
CALCULATED/DESIGNED BY	CHECKED BY	
ROB STINGER		
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION Caltrans ELECTRICAL DESIGN		

MODIFY SIGNAL (LOCATION 17)

SCALE: 1" = 20'

E-2

APPROVED FOR ELECTRICAL WORK ONLY

P:\proj\1\02\4E530\plans\pse\0200020318ud003.dgn
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR
 ROB STINGER
 CALCULATED/DESIGNED BY
 CHECKED BY
 TARI ANDERSON
 ARTURO ROBLES
 REVISED BY
 DATE REVISED
 x
 x
 x
 x
 x

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	45	74

02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 THERESA ANDERSON
 No. C77957
 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.

EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS TO BE MAINTAINED

Co-Rt-PM	TYPE	DESCRIPTION
Sha-44-PM R1.56	HAR FLASHER	FLASHER FOR EB TRAFFIC, RIGHT SHOULDER
Sha-5-PM R4.29	CCTV	DESCHUTES Rd CCTV
Sha-5-PM R15.42	CCTV	I5/SR44 CCTV

EXISTING LOOP DETECTORS TO REMAIN IN PLACE AND OPERATIONAL (N)

ID No.	LOCATION	TYPE	DESCRIPTION	EQUIPMENT
R2	Sha-44-R0.018	RAMP	EB ON-RAMP FROM NB I-5	1 LOOP
204	Sha-273-R17.32	TREND	437' SOUTH OF QUARTZ HILL CL	4 LOOPS

ELECTRICAL DETAILS E-3

V:\ProjectPlans\VPSE\Work\ing\vd2\02-4e5301\0200020318ud004.dgn
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN
 FUNCTIONAL SUPERVISOR
 ROB STINGER
 CALCULATED/DESIGNED BY
 CHECKED BY
 TERI ANDERSON
 ARTURO ROBLES
 REVISED BY
 DATE REVISED

NOTE:

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	46	74

02-26-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 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.

MODIFY SIGNAL (LOCATION 11)

SHEET No.	(N) TYPE C LOOP	(N) TYPE A LOOP
E-1	4	2

**MODIFY SIGNAL
(LOCATION 17)**

SHEET No.	(N) TYPE A LOOP
E-2	2

ELECTRICAL QUANTITIES

E-4

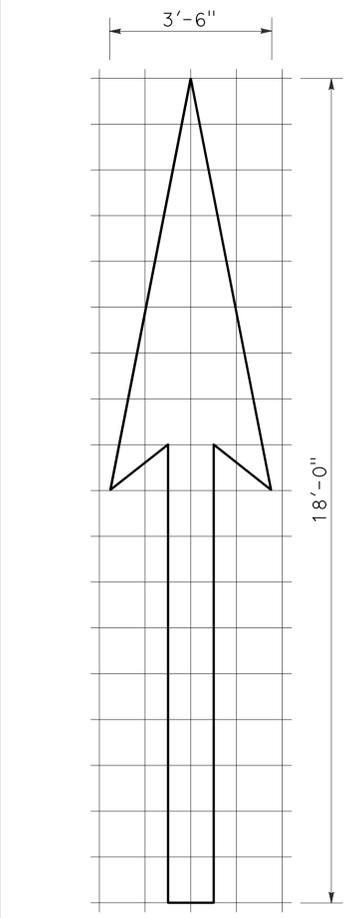


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	47	74

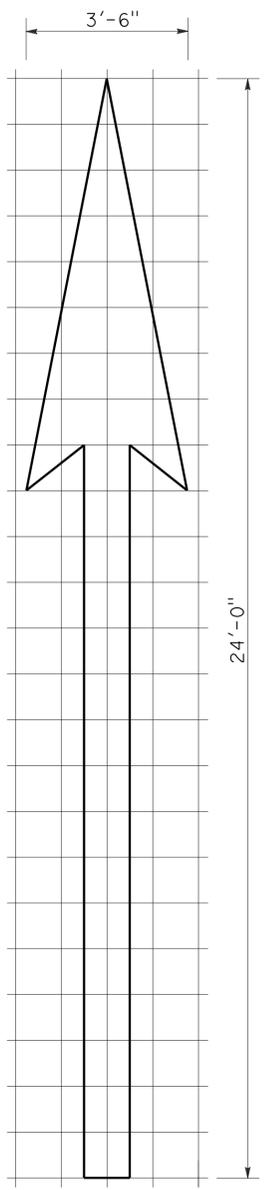
Roberto L. McLaughlin
 REGISTERED CIVIL ENGINEER
 April 20, 2012
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 Roberto L. McLaughlin
 No. C40375
 Exp. 3-31-13
 CIVIL
 STATE OF CALIFORNIA

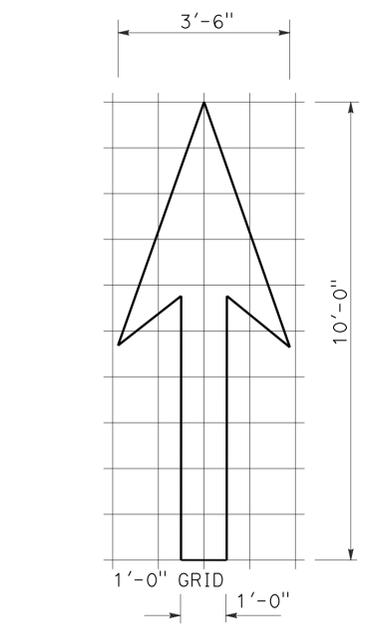
TO ACCOMPANY PLANS DATED 4-29-13



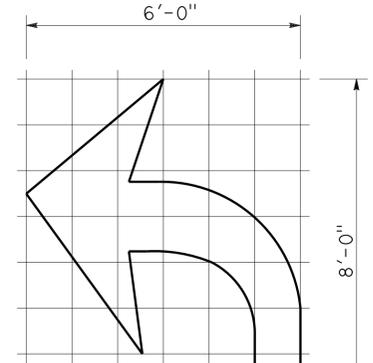
TYPE I 18'-0" ARROW
A=25 ft²



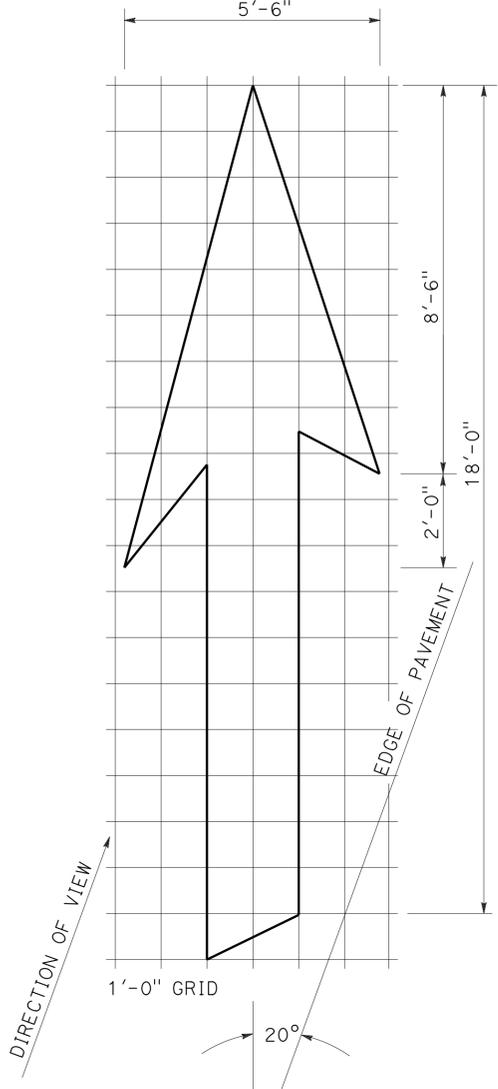
TYPE I 24'-0" ARROW
A=31 ft²



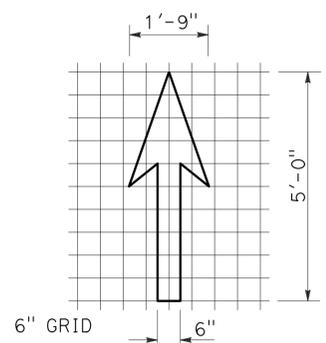
TYPE I 10'-0" ARROW
A=14 ft²



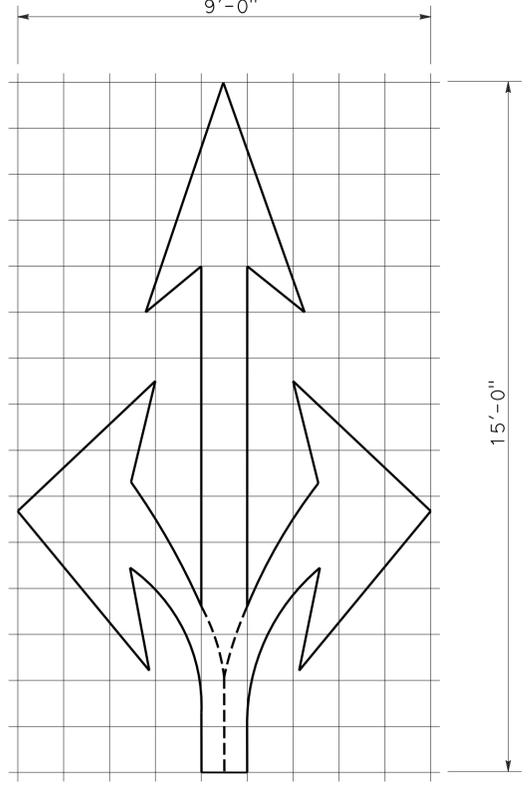
TYPE IV (L) ARROW
A=15 ft²
(For Type IV (R) arrow, use mirror image)



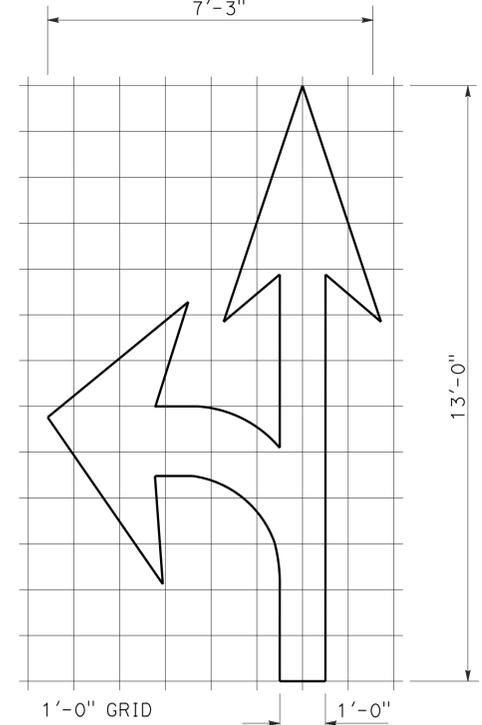
TYPE VI ARROW
A=42 ft²
Right lane drop arrow
(For left lane, use mirror image)



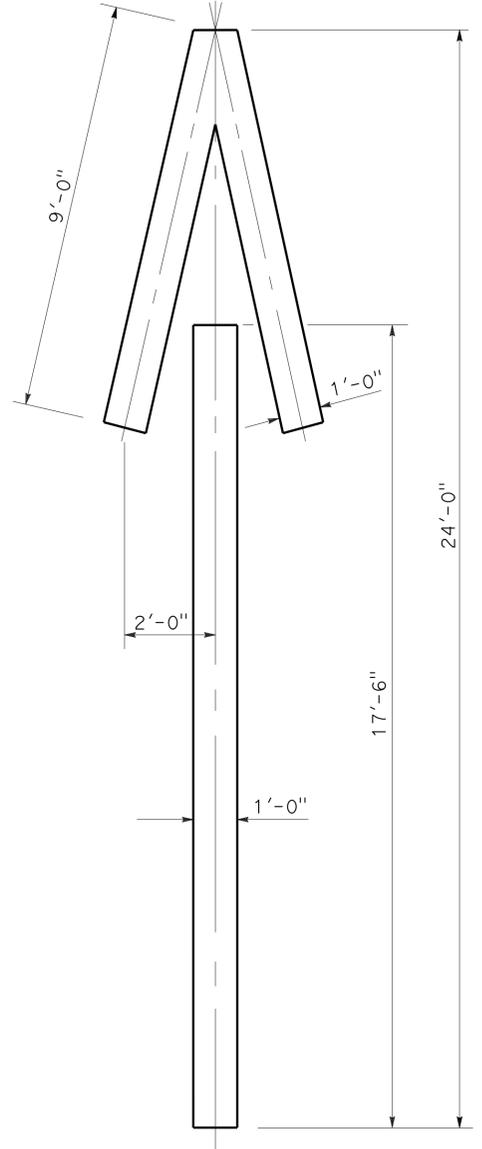
BIKE LANE ARROW
A=3.5 ft²



TYPE VIII ARROW
A=36 ft²



TYPE VII (L) ARROW
A=27 ft²
(For Type VII (R) arrow, use mirror image)



TYPE V ARROW
A=33 ft²

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

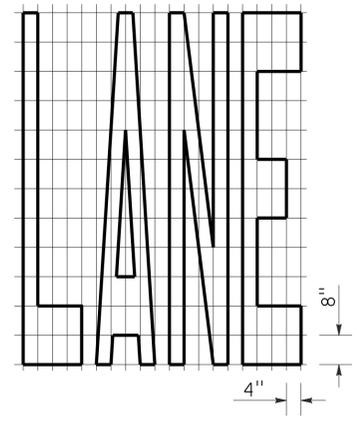
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
ARROWS**
NO SCALE

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

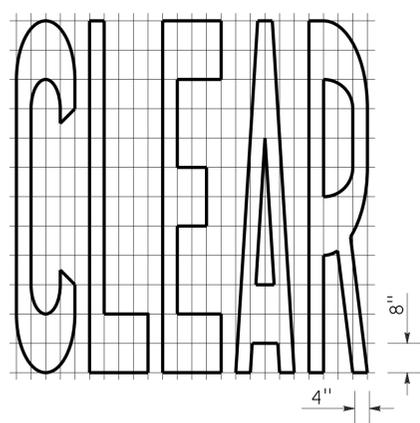
REVISED STANDARD PLAN RSP A24A

2010 REVISED STANDARD PLAN RSP A24A

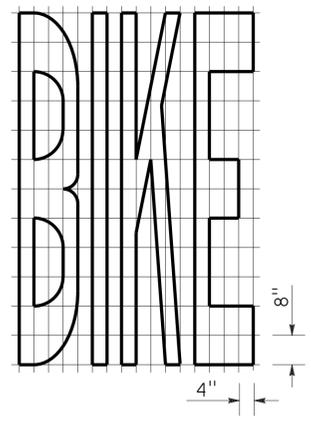
TO ACCOMPANY PLANS DATED 4-29-13



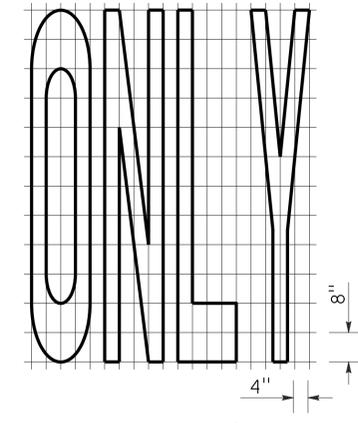
A=24 ft²



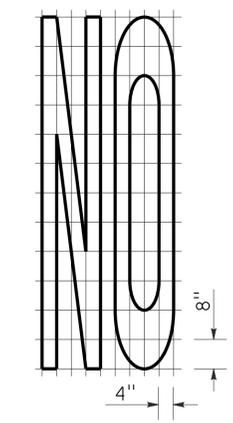
A=27 ft²



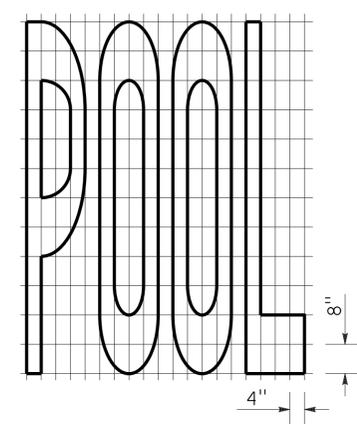
A=21 ft²



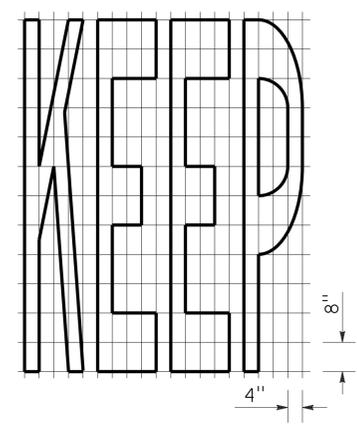
A=22 ft²



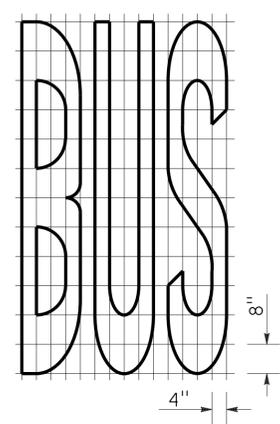
A=14 ft²



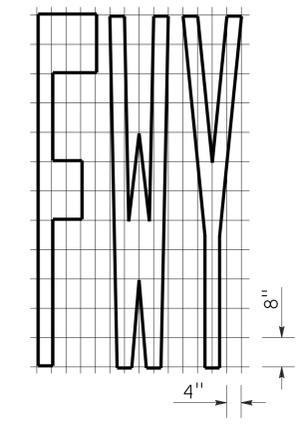
A=23 ft²



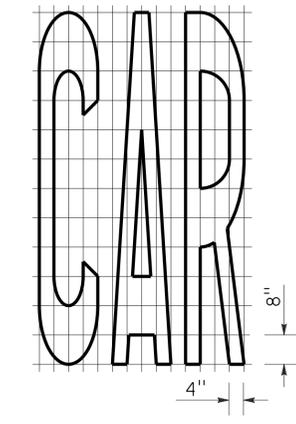
A=24 ft²



A=20 ft²

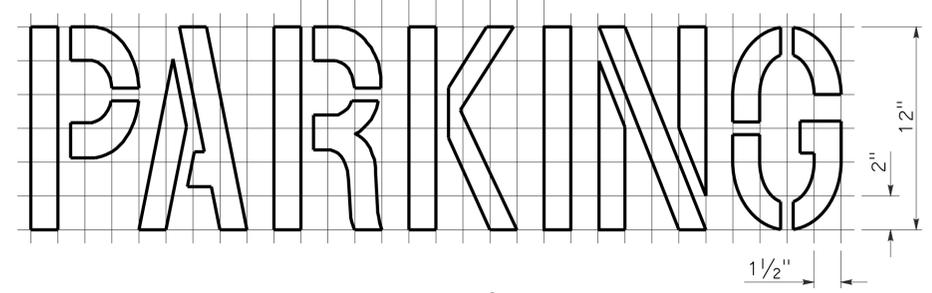
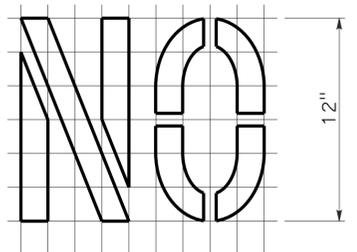


A=16 ft²

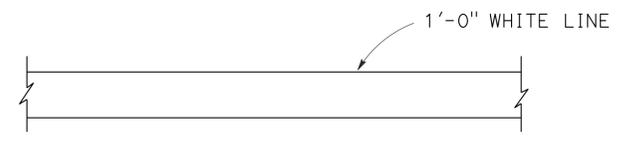


A=17 ft²

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



A=2 ft²
See Notes 6 and 7



LIMIT LINE (STOP LINE)



YIELD LINE

NOTES:

1. If a message consists of more than one word, it should read "UP", i.e., the first word should be nearest the driver.
2. 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.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
5. The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
6. 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
02	Sha	Var	Var	49	74

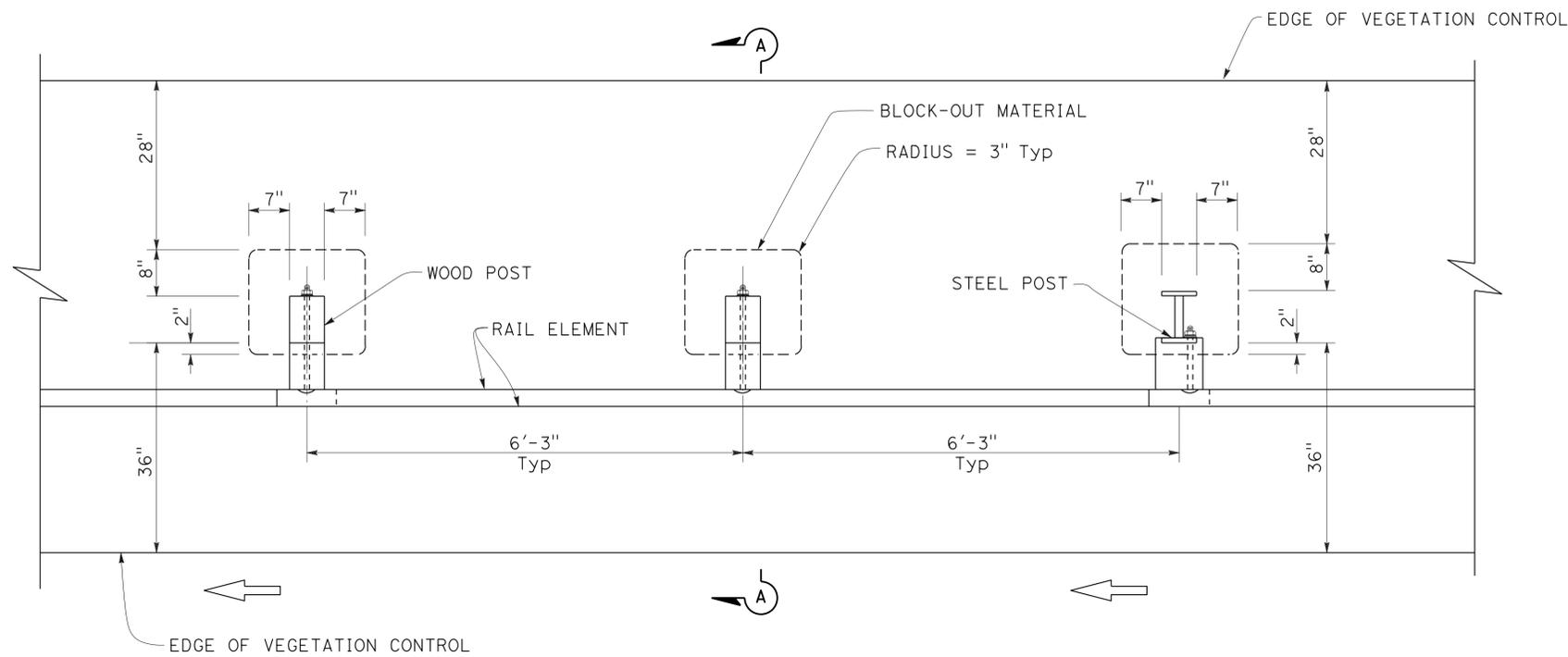
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
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
Randell D. Hiatt
No. C50200
Exp. 6-30-13
CIVIL
STATE OF CALIFORNIA

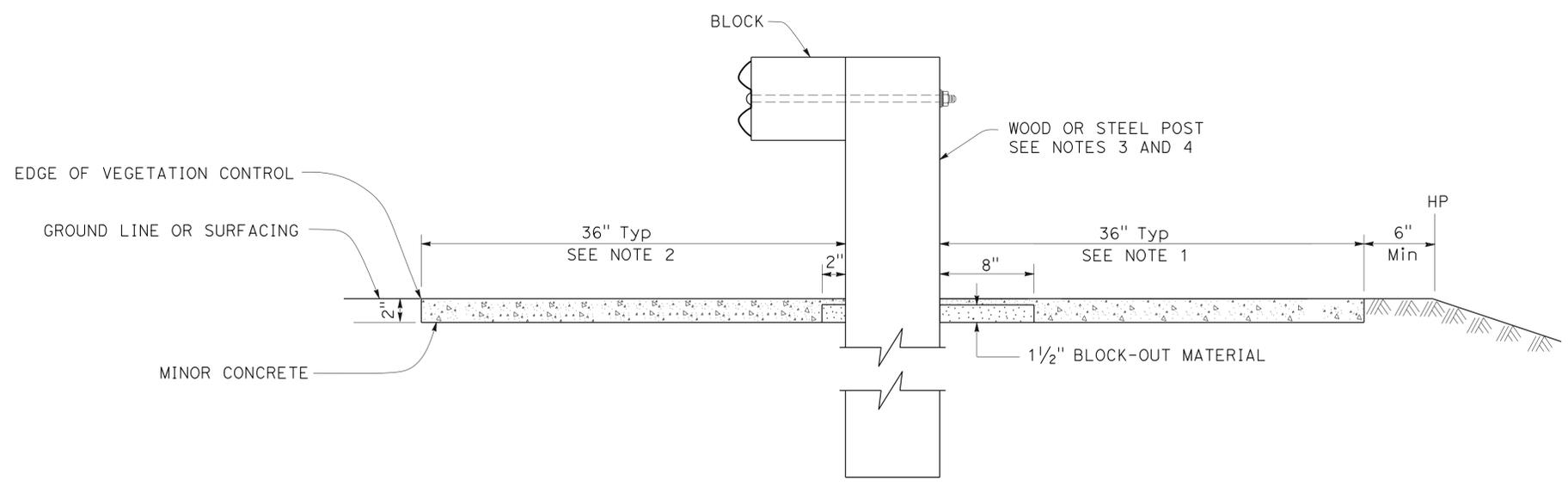
TO ACCOMPANY PLANS DATED 4-29-13



PLAN

NOTES:

1. Where the distance between back of post and hinge point is less than 42", construct vegetation control to 6" from hinge point while maintaining the 8" block-out at back of post. If the 8" block-out at back of post can not be maintained, construct vegetation control flush with the back edge of post.
2. Where dike is constructed under railing, construct vegetation control to back edge of dike. Where paved shoulder is constructed within 36" in front of the post, construct vegetation control to the edge of paved shoulder.
3. For wood post sizes, see Standard Plan A77C1.
4. For steel post sizes, see Standard Plan A77C2.
5. For details not shown, see Standard Plans A77A1 and A77A2.



SECTION A-A

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**METAL BEAM GUARD RAILING
TYPICAL VEGETATION CONTROL
STANDARD RAILING SECTION**

NO SCALE

RSP A77C5 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A77C5
DATED MAY 20, 2011 - PAGE 53 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77C5

2010 REVISED STANDARD PLAN RSP A77C5

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	50	74

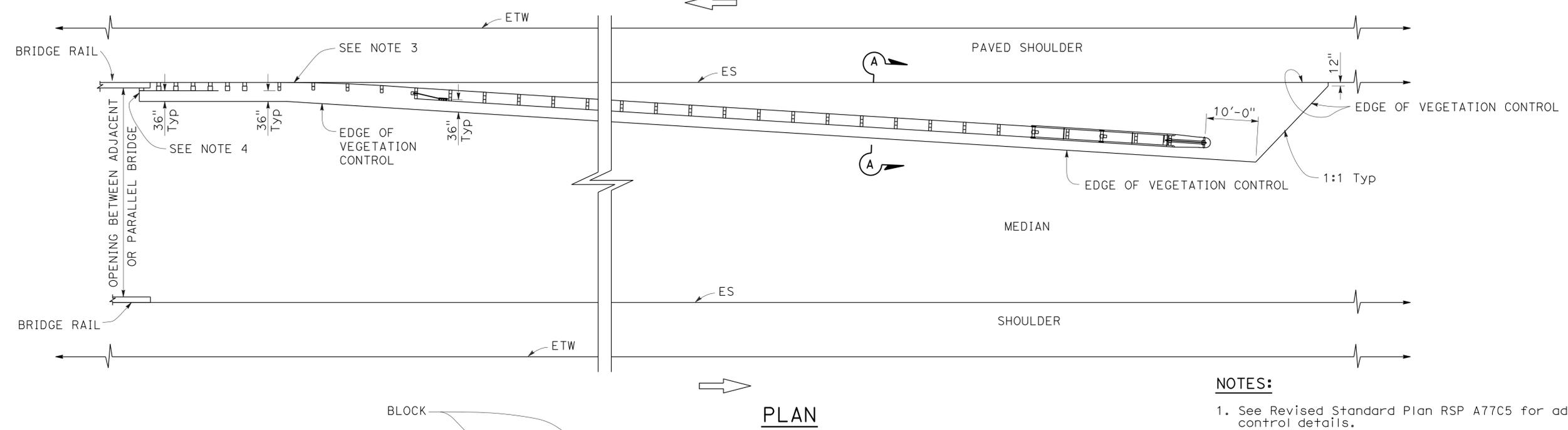
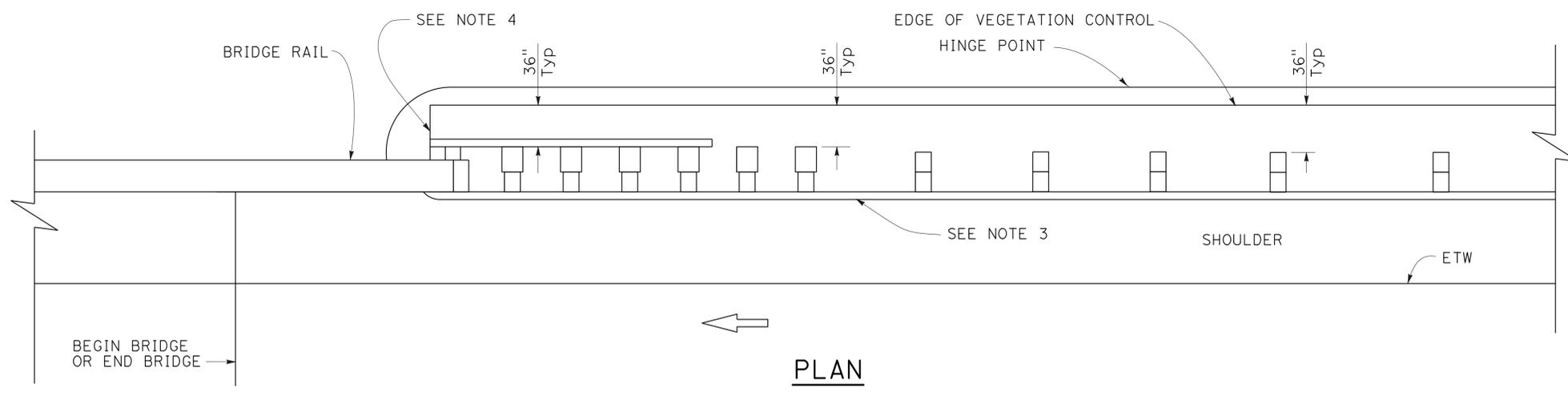
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

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

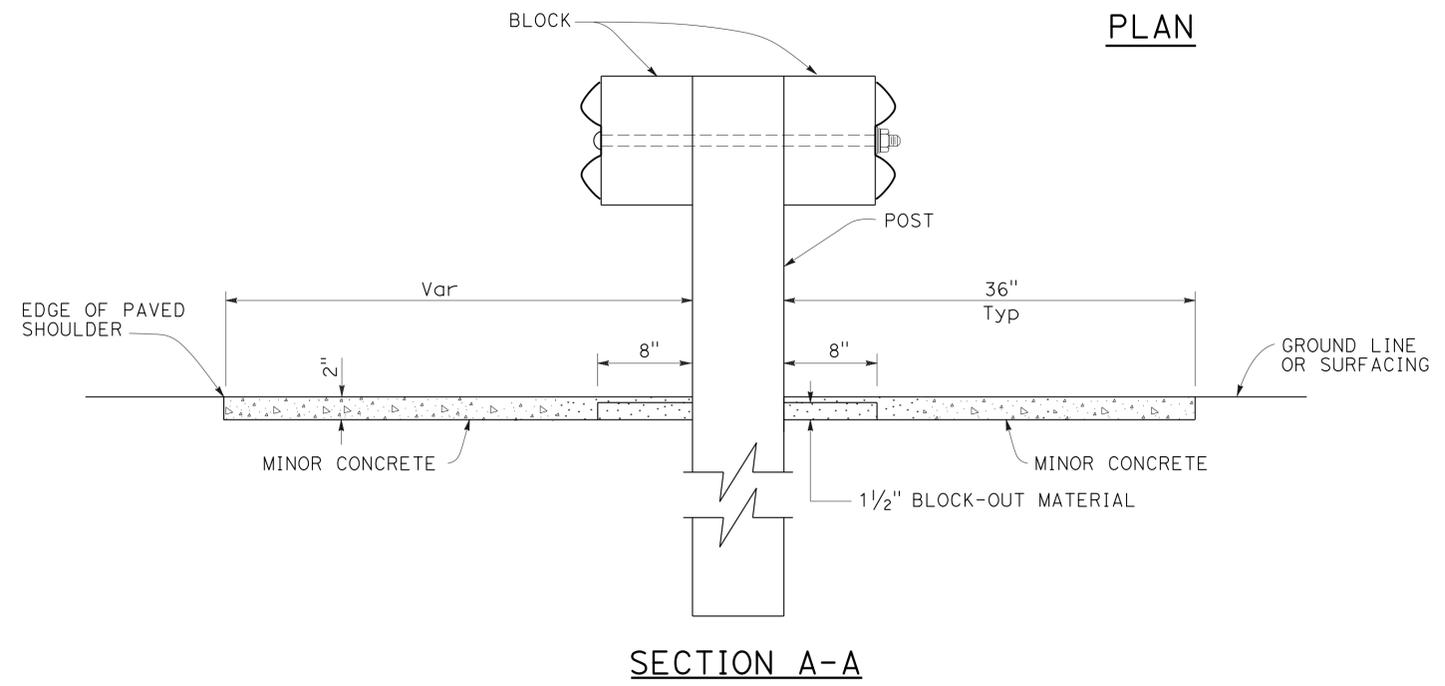
TO ACCOMPANY PLANS DATED 4-29-13

2010 REVISED STANDARD PLAN RSP A77C7



NOTES:

1. See Revised Standard Plan RSP A77C5 for additional vegetation control details.
2. Where the distance between back of post and hinge point is less than 42", construct vegetation control to 6" from hinge point while maintaining the 8" block-out at back of post. If the 8" block-out at back of post can not be maintained, construct vegetation control flush with the back edge of post.
3. Where dike is constructed under railing, construct vegetation control to back edge of dike. Where paved shoulder is constructed within 36" in front of the post, construct vegetation control to the edge of paved shoulder.
4. End vegetation control at end of backside rail element.



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**METAL BEAM GUARD RAILING
TYPICAL VEGETATION CONTROL
AT STRUCTURE APPROACH**

NO SCALE

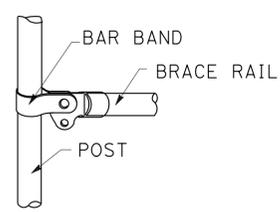
RSP A77C7 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A77C7
DATED MAY 20, 2011 - PAGE 55 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77C7

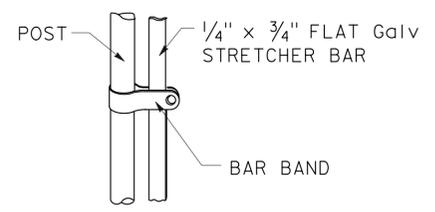
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	51	74

Glenn DeCou
 REGISTERED CIVIL ENGINEER
 October 19, 2012
 PLANS APPROVAL DATE
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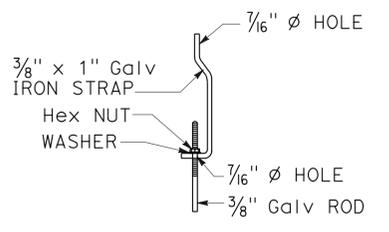
REGISTERED PROFESSIONAL ENGINEER
 Glenn DeCou
 No. C34547
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA



BRACE RAIL



STRETCHER BAR

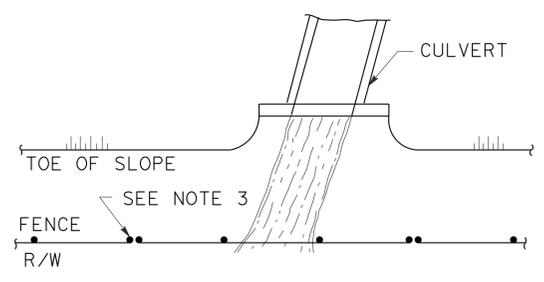


TRUSS TIGHTENER

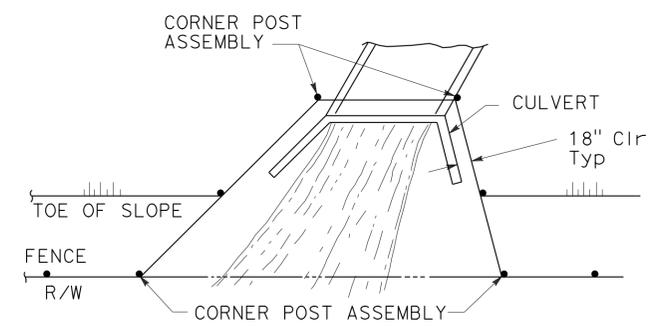
NOTES:

1. All material for abutment connection to be galvanized.
2. The chain link fabric shall be replaced by barbed wire strands at 12" maximum centers between the double posts.
3. When the width of the culvert makes it necessary to anchor a post to the top of the culvert, a cast iron shoe or other device approved by the Engineer shall be used.
4. Fencing over stream and around headwall may also use Barbed Wire or Wire Mesh fencing with either wood post or steel post installation.
5. See Standard Plan A85 for Chain Link fence dimensions. See Standard Plan A86 for Barbed Wire and Wire Mesh fence dimensions and for wood post and steel post installation.

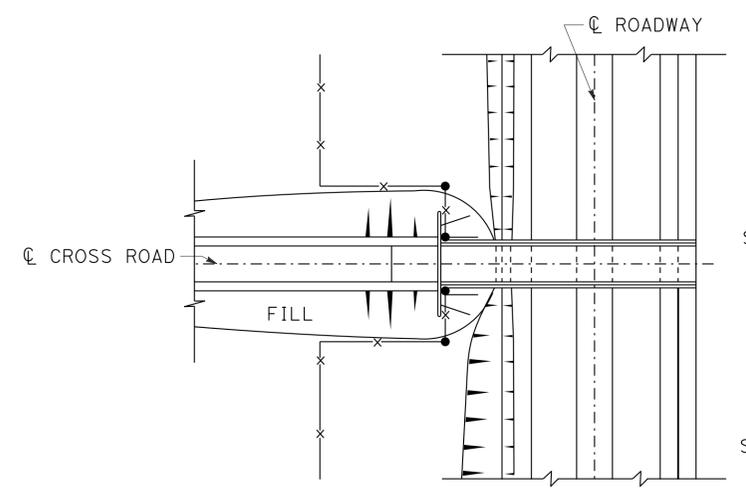
TO ACCOMPANY PLANS DATED 4-29-13



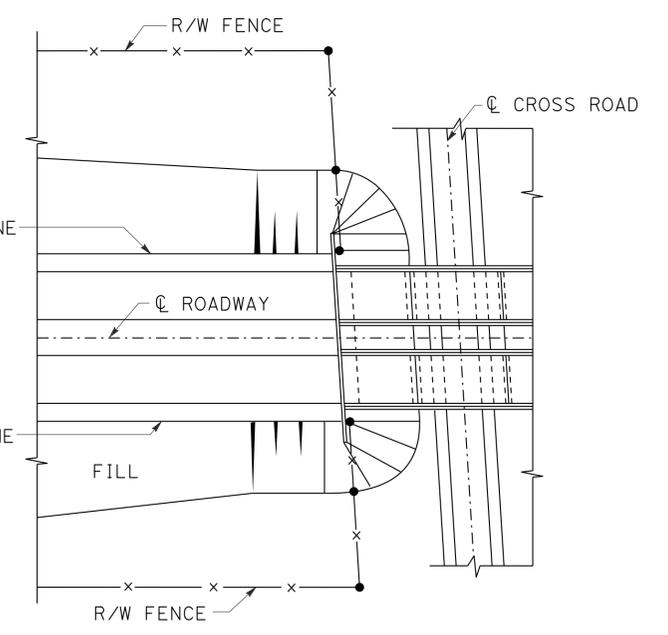
PLAN



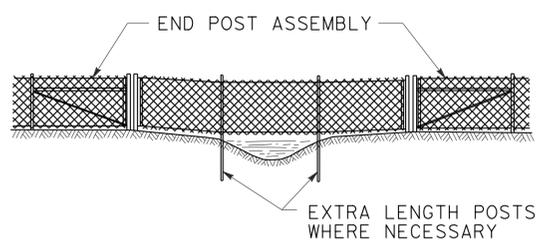
PLAN



PLAN OF ROADWAY - OVERCROSSING

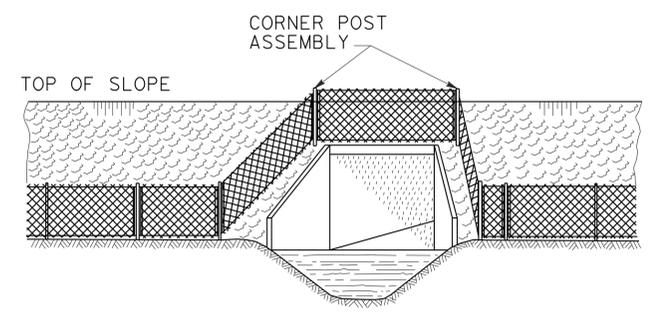


PLAN OF ROADWAY - UNDERCROSSING



ELEVATION

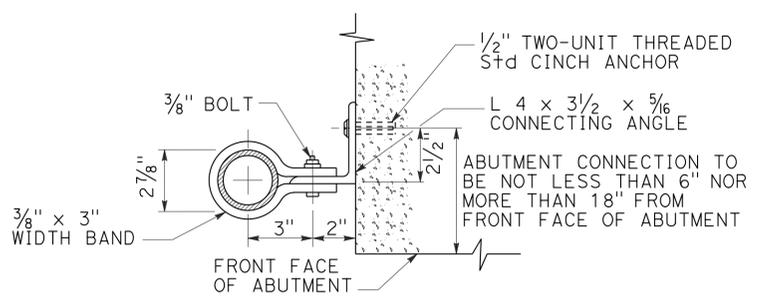
INSTALLATION OVER STREAM



ELEVATION

INSTALLATION AROUND HEADWALL

See Note 4



ABUTMENT CONNECTION

TYPICAL INSTALLATION AT BRIDGES

ABUTMENT CONNECTION TO BE NOT LESS THAN 6" NOR MORE THAN 18" FROM FRONT FACE OF ABUTMENT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE DETAILS

NO SCALE

RSP A85B DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A85B DATED MAY 20, 2011 - PAGE 114 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A85B

2010 REVISED STANDARD PLAN RSP A85B

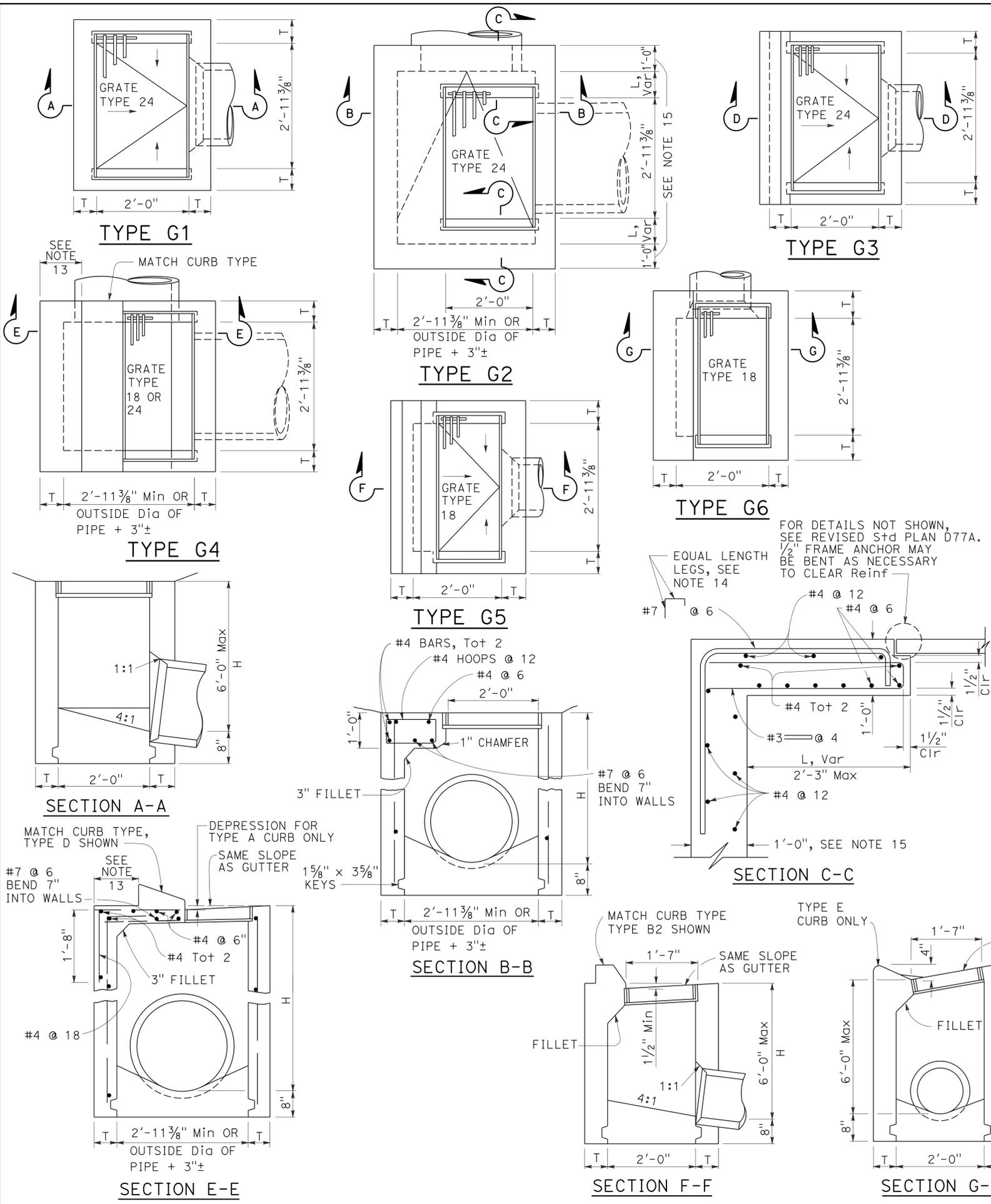
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	52	74

Glenn DeCou
REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
Glenn DeCou
No. C34547
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA



NOTES:

- "H" is the difference in elevation between the outlet pipe flow line and the normal gutter grade line undepressed.
- For "T" wall thickness, see Table A below.
- Wall reinforcing not required when "H" is 8'-0" or less and the unsupported width or length is 7'-0" or less. Walls exceeding these limits shall be reinforced with #4 bars @ 1'-6" ± centers placed 1 1/2" clear to inside of box unless otherwise shown.
- Inlet bottom reinforcing not required. See Standard Plan D74C for alternative reinforced bottom and alternative half round bottom.
- Steps-None required where "H" is less than 2'-6". Where "H" is 2'-6" or more, install steps with lowest rung 1'-0" above the floor and highest rung not more than 6" below top of inlet. The distance between steps shall not exceed 1'-0" and shall be uniform throughout the length of the wall. Place steps in the wall without an opening. Steps inserts may be substituted for the bar steps. Step inserts shall comply with State Industrial Safety requirements. See Standard Plan D74C for step details.
- Details shown apply to both metal and concrete pipe.
- Pipe(s) can be placed in any wall.
- Curb section shall match adjacent curb.
- Basin floors shall have wood trowel finish and a minimum slope of 12:3 from all directions toward outlet pipe.
- Set inlet so that grate bars are parallel to direction of principal surface flow.
- See Revised Standard Plans D77A and D77B for grate and frame details and weights of miscellaneous iron and steel.
- See Standard Plan D78A for gutter depression details.
- This dimension will vary with different grates, curbs types, box width and wall thickness.
- Bar may be rotated as necessary to clear opening. Where "L" is 6" or less, bar may be omitted.
- Where "L" is 6" or less, wall thickness shall be as shown in Table A.
- Cast-in-place inlets to be formed around all pipes/stubs intersecting the inlet, and concrete poured in one continuous operation. Precast inlets shall have mortared connections conforming to details for Type GCP Inlet shown on Standard Plan D75B. See Standard Specifications for mortar composition.

TABLE A

TYPE	CONCRETE QUANTITIES			
	H=3'-0" TO 8'-0" (T=6")	H=8'-1" TO 20'-0" (T=8")	H=8'-1" (CY)	ADDITIONAL PCC PER FOOT (CY)
G-1	0.95	0.220	See Note A	SEE NOTE A
G-2*	1.31	0.255	3.50	0.357
G-3	1.03	0.220	See Note A	SEE NOTE A
G-4* (TYPE 24)	1.27	0.255	3.48	0.357
G-4* (TYPE 18)	1.30	0.255	3.50	0.357
G-5	1.02	0.220	SEE NOTE A	SEE NOTE A
G-6	1.04	0.220	SEE NOTE A	SEE NOTE A

TABLE BASED ON 8" FLOOR SLAB. NO DEDUCTIONS ARE TO BE MADE TO THESE QUANTITIES BECAUSE OF PIPE OPENINGS, DIFFERENT FLOOR ALTERNATIVES OR DIFFERENT CURB TYPES. * QUANTITIES FOR TYPE G-2 AND G-4 INLETS BASED ON THE MINIMUM INTERIOR DIMENSIONS.

NOTE A:

Maximum allowable height 6'-0".

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

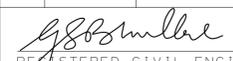
DRAINAGE INLETS
NO SCALE

RSP D73 DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN D73 DATED MAY 20, 2011 - PAGE 156 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP D73

2010 REVISED STANDARD PLAN RSP D73

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	53	74


 REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE



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TO ACCOMPANY PLANS DATED 4-29-13

TABLE 1

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

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

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

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

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING				
SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
		ft	ft	ft
mph	ft	ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891

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

** - Longitudinal buffer space or flagger station spacing

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

TABLE 3

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

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

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 FREEWAYS AND EXPRESSWAYS**

NO SCALE

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

REVISED STANDARD PLAN RSP T9

2010 REVISED STANDARD PLAN RSP T9

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	54	74

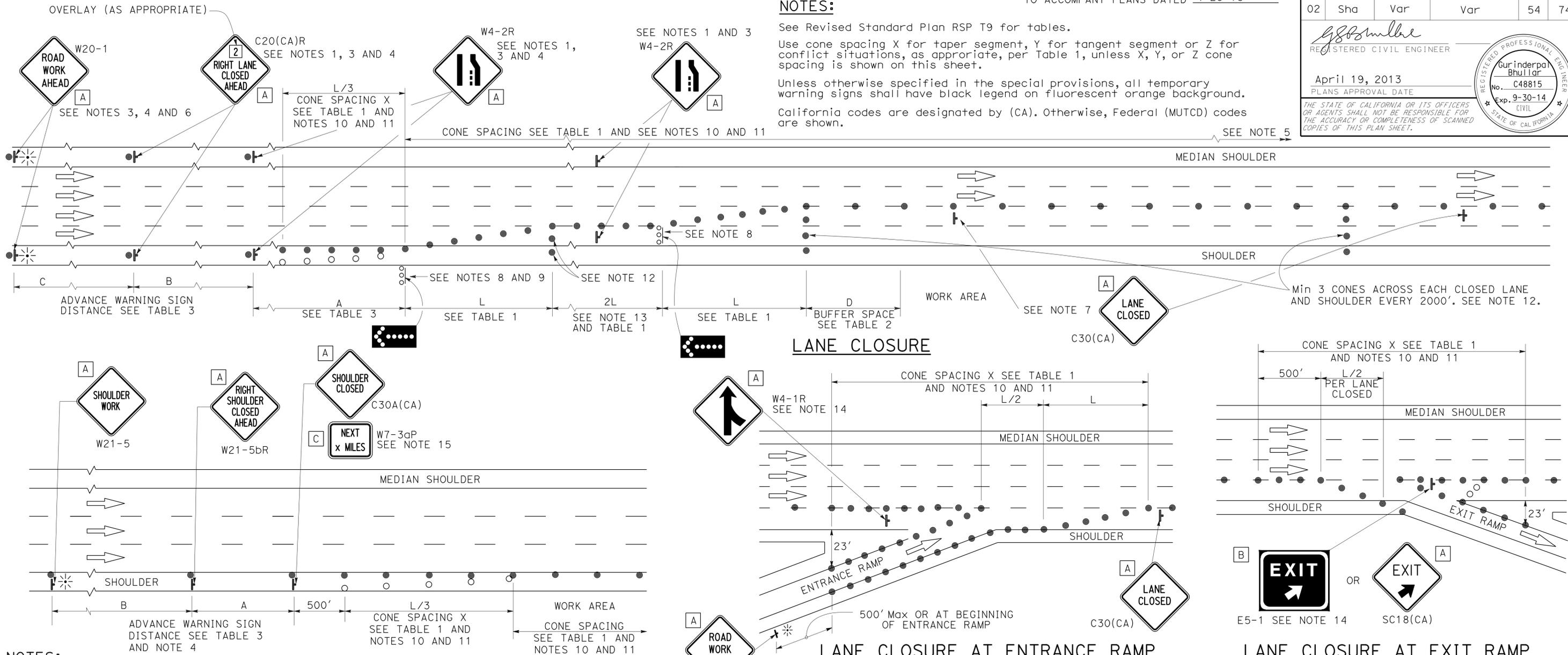
REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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

TO ACCOMPANY PLANS DATED 4-29-13

NOTES:

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



NOTES:

1. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Duplicate sign installations are not required:
 - a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
 - b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
5. A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.

SHOULDER CLOSURE

6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA)L and W4-2L signs shall be used.
7. Place a C30(CA) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
10. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.

LANE CLOSURE AT ENTRANCE RAMP

12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
15. A W7-3aP "NEXT _____ MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.

LEGEND

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

SIGN PANEL SIZE (Min)

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

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

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

REVISED STANDARD PLAN RSP T10

2010 REVISED STANDARD PLAN RSP T10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	55	74

REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE

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

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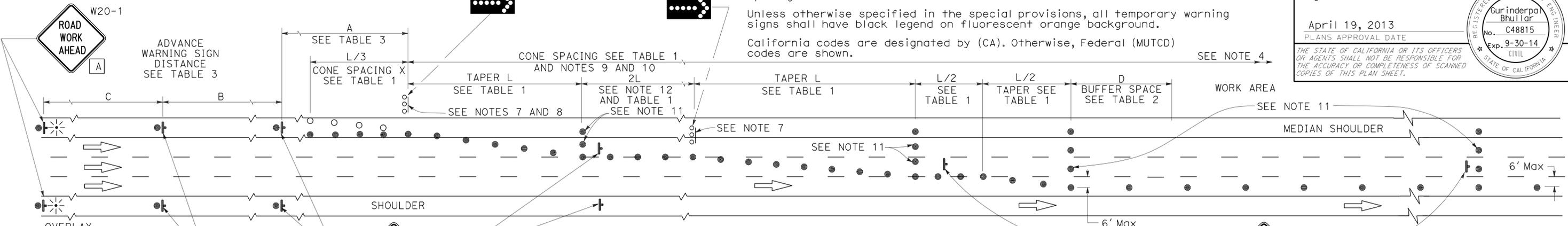
NOTES: See Revised Standard Plan RSP T9 for tables.

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

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

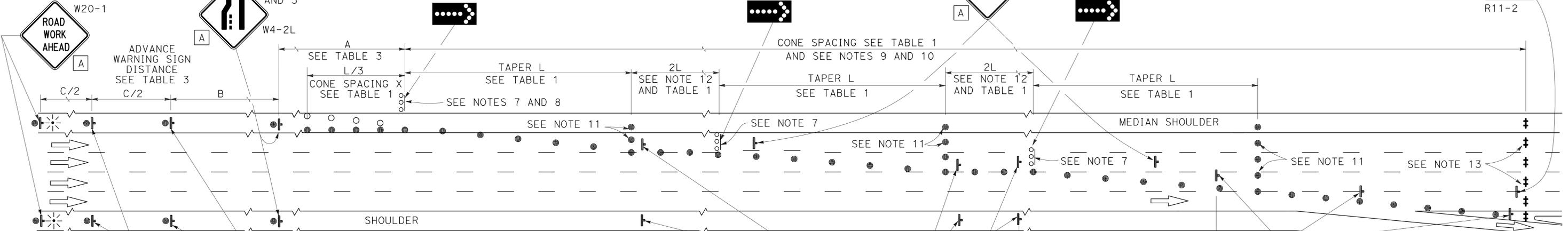
California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

SEE NOTES 3 AND 5



LANE CLOSURE WITH PARTIAL SHOULDER USE

SEE NOTES 3 AND 5



COMPLETE CLOSURE

NOTES:

- Lane closures on the right side using partial median shoulder as a traffic lane shall conform to the details as shown except that C20(CA)R and W4-2R signs shall be used.
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
- Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT ___ MILES", use a C20(CA) sign for the first advance warning sign.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
- A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure With Partial Shoulder Use" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.

- Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
- A minimum of Two Type II or III barricades shall be placed across each closed lane and shoulder at the location shown and every 2000' within the complete closure area. Within the complete closure area, the transverse alignment of the barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
- When specified in the special provisions, a W20-2 "DETOUR AHEAD" sign is to be used in place of the W20-3 "FREEWAY CLOSED AHEAD" sign.

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 18"
- C 48" x 30"

LEGEND

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

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURES ON
 FREEWAYS AND EXPRESSWAYS**

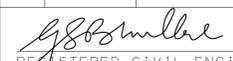
NO SCALE

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

REVISED STANDARD PLAN RSP T10A

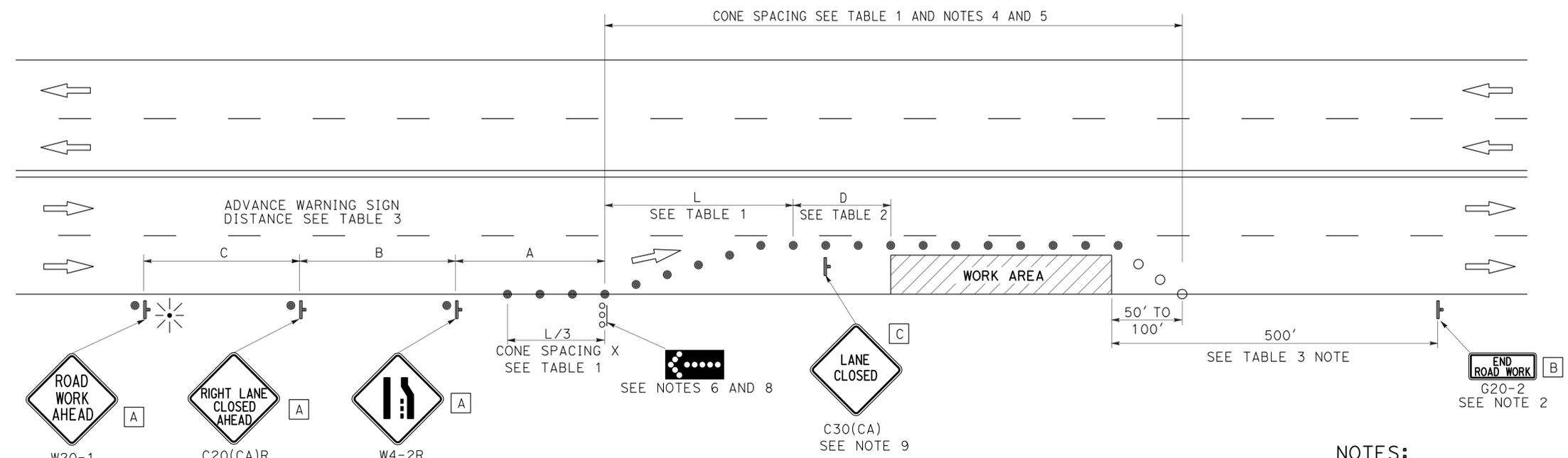
2010 REVISED STANDARD PLAN RSP T10A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	56	74


 REGISTERED CIVIL ENGINEER
 April 19, 2013
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REGISTERED PROFESSIONAL ENGINEER
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 4-29-13



TYPICAL LANE CLOSURE

NOTES:

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

NOTES:

- 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 G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
- 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.
- 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.
- A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at the top of crest vertical curve or on a horizontal curve.
- Place a C30(CA) sign every 2000' throughout length of lane closure.
- Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
- At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.

LEGEND

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

SIGN PANEL SIZE (Min)

- A** 48" x 48"
- B** 36" x 18"
- C** 30" x 30"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR LANE CLOSURE ON
 MULTILANE CONVENTIONAL
 HIGHWAYS**

NO SCALE

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

REVISED STANDARD PLAN RSP T11

2010 REVISED STANDARD PLAN RSP T11

NOTES:

See Revised Standard Plan RSP T9 for tables.

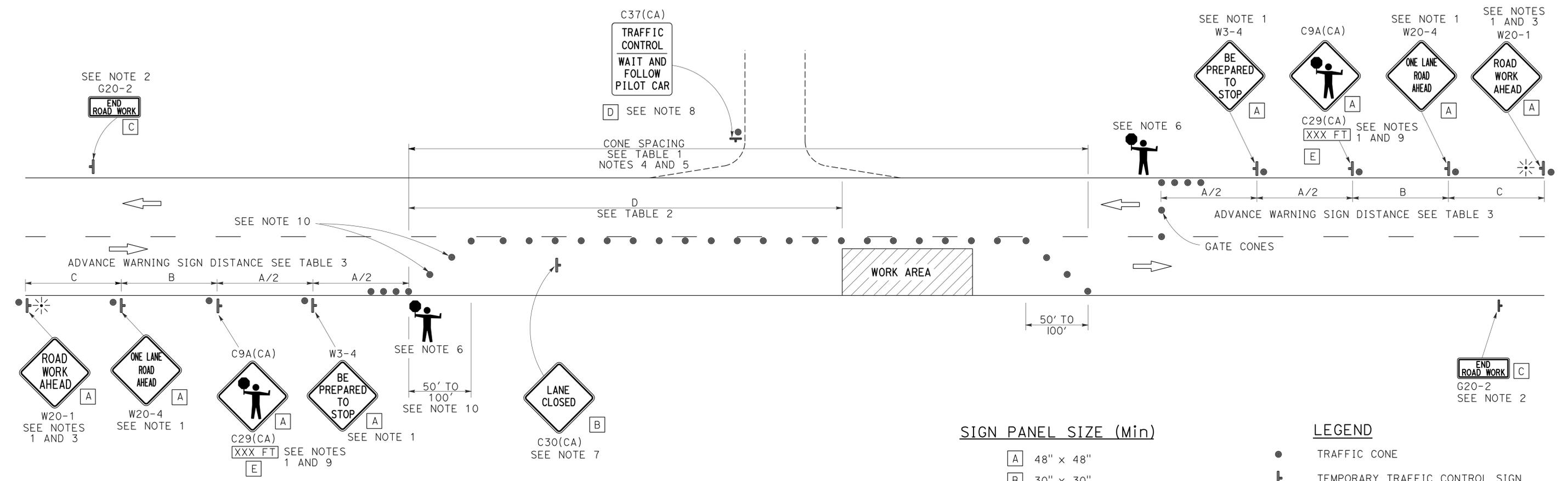
Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

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

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

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL

TO ACCOMPANY PLANS DATED 4-29-13



NOTES:

- Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
- A G20-2 "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a W20-4 sign for the first advance warning sign.
- All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
- Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
- Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
- When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within traffic control area. Signs shall be clean and visible at all times. Where traffic can not be effectively self-regulated, at least one flagger shall be used at each intersection within traffic control area.
- An optional C29(CA) sign may be placed below the C9A(CA) sign.
- Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.

SIGN PANEL SIZE (Min)

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

LEGEND

- TRAFFIC CONE
- ⊥ TEMPORARY TRAFFIC CONTROL SIGN
- ⚡ PORTABLE FLASHING BEACON
- 👤 FLAGGER

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

NO SCALE

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

REVISED STANDARD PLAN RSP T13

2010 REVISED STANDARD PLAN RSP T13

TYPICAL RAMP CLOSURES

SIGN PANEL SIZE (Min)

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

LEGEND

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

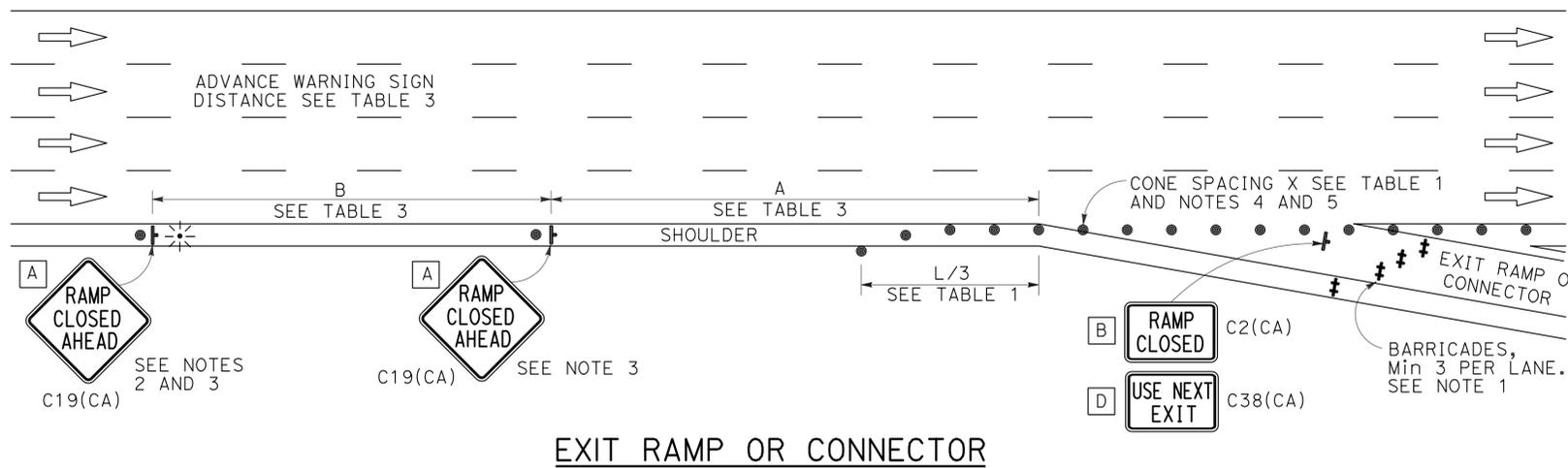
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	58	74

Gurinderpal Bhullar
 REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

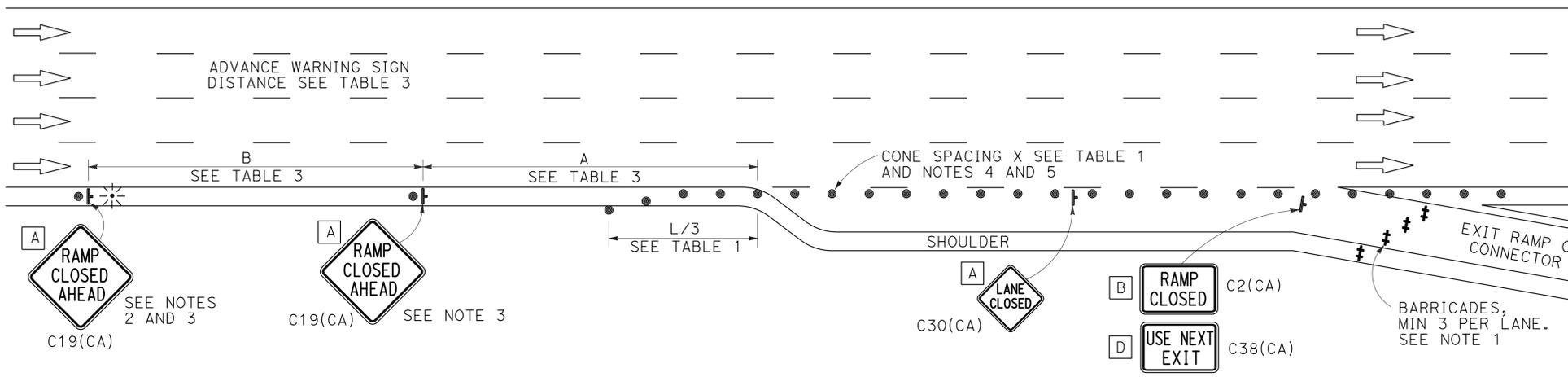
TO ACCOMPANY PLANS DATED 4-29-13

NOTES:

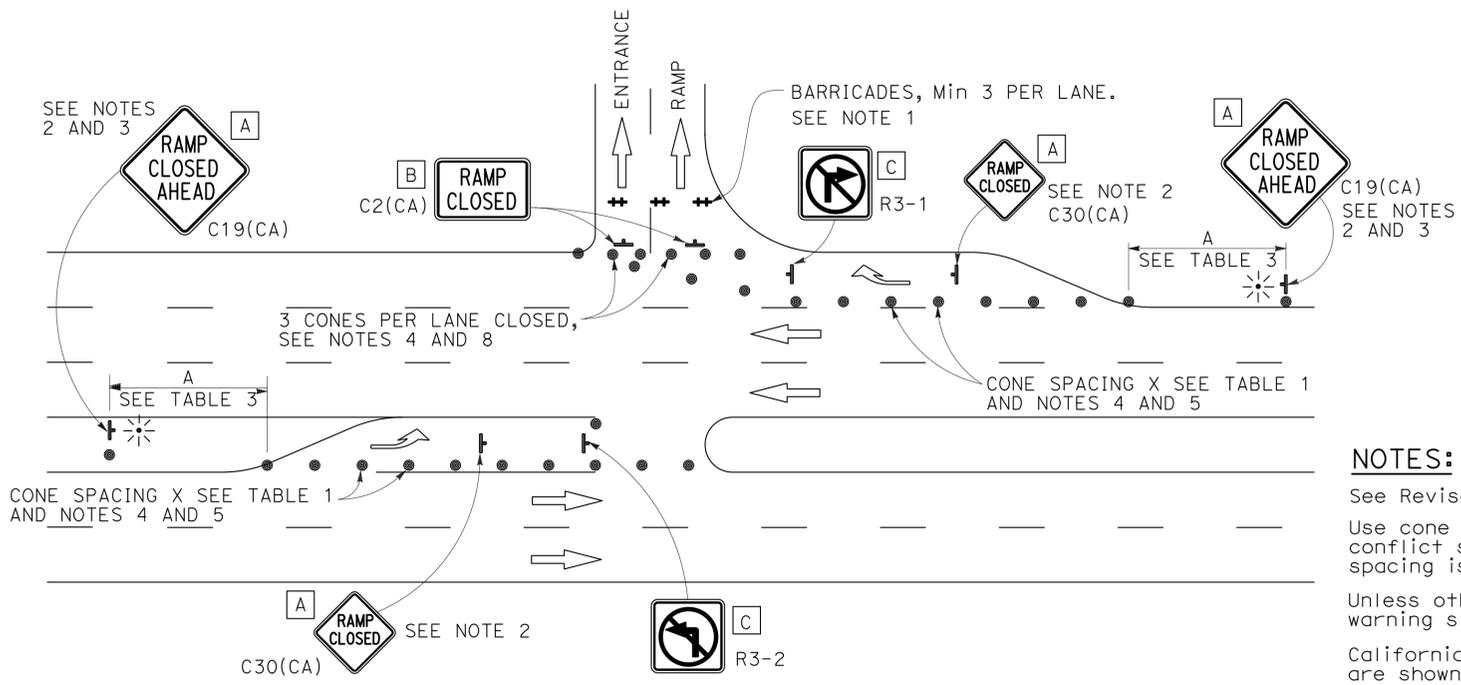
- Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
- In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed 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. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
- 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" signs shall be covered during ramp closures.
- A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.



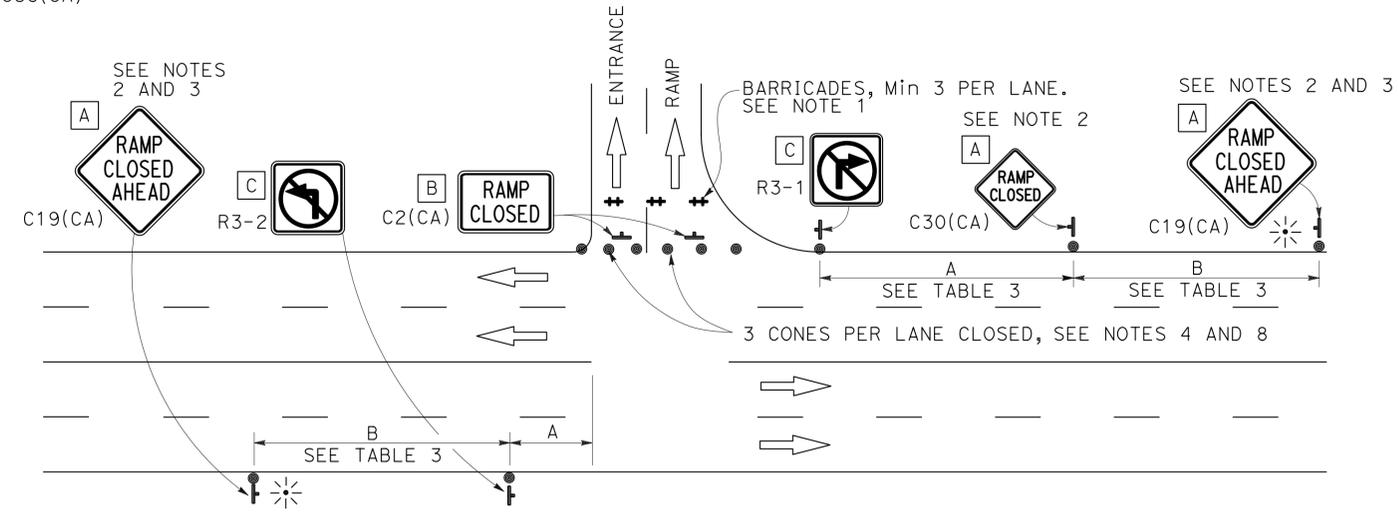
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

NOTES:

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

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

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

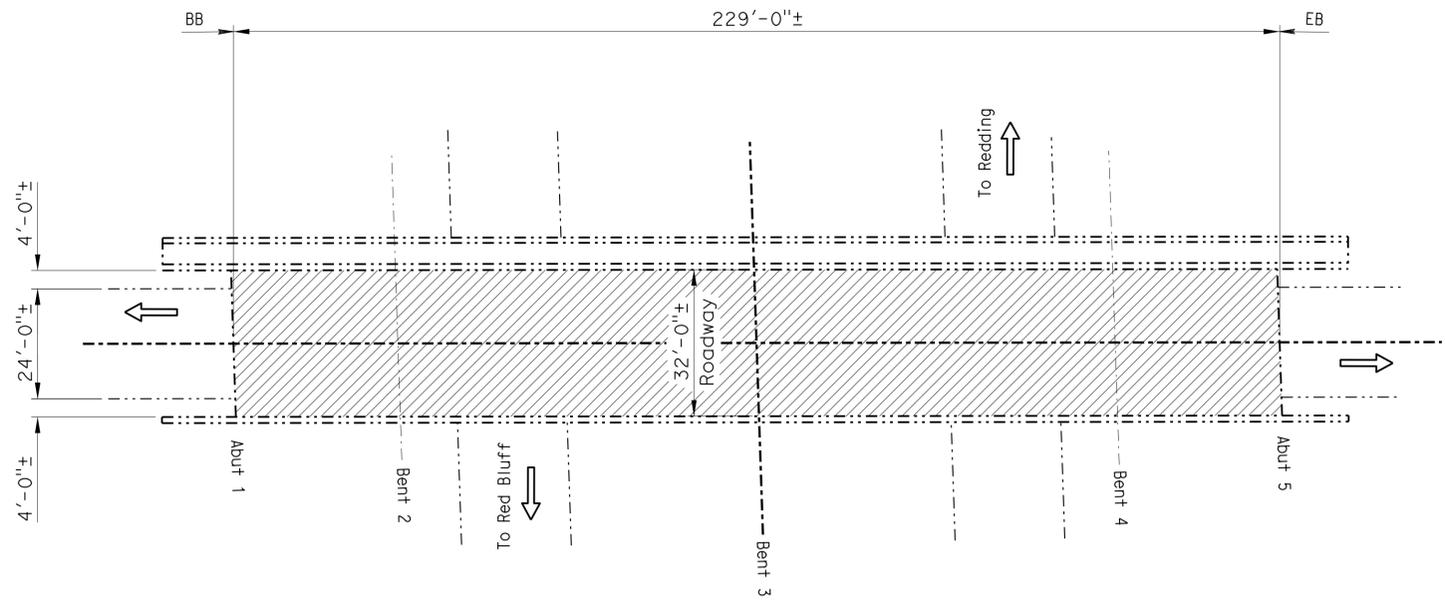
REVISED STANDARD PLAN RSP T14

2010 REVISED STANDARD PLAN RSP T14

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	59	74

1-7-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE
 HOSSEIN MOAZAMI
 No. C 60058
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA
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NOTES: (APPLY TO ALL SHEETS)
 - - - - - Indicates existing.
 All rebar shall be epoxy coated.
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 (Circled number) STANDARD PLAN SHEET NUMBER
 (Circled number with line) DETAIL NUMBER

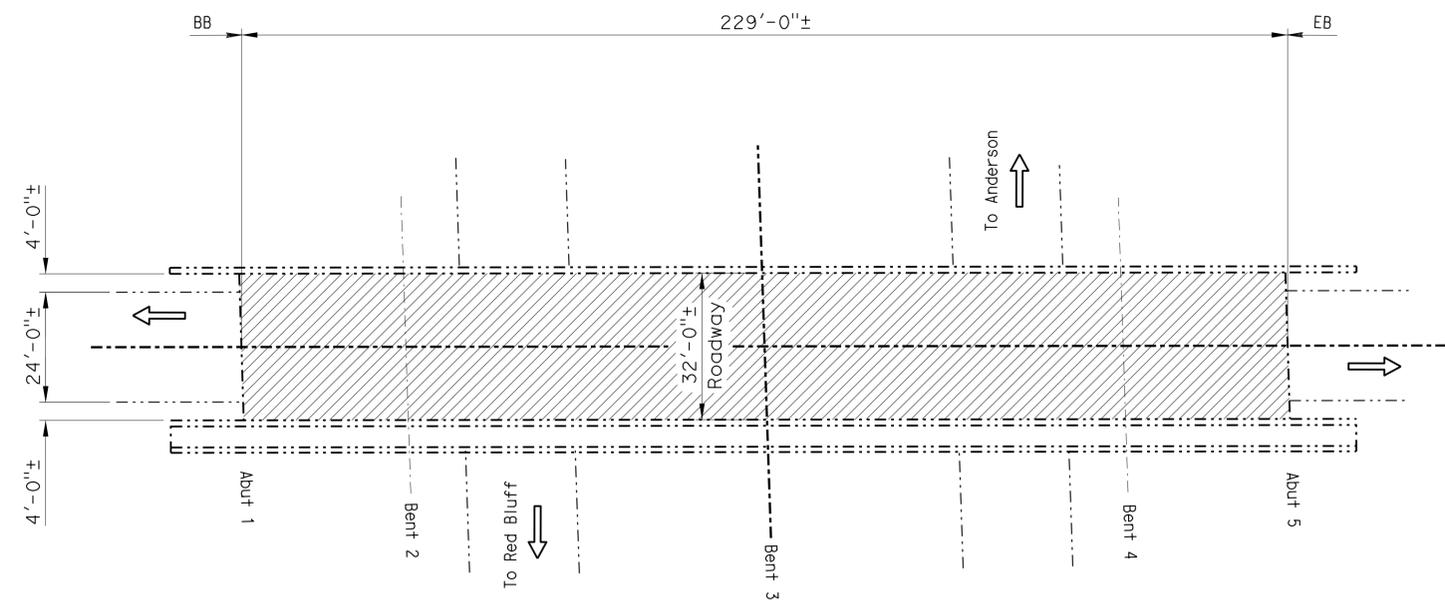


① FIRST STREET OVERCROSSING
 BR NO. 06-0016, SHA, ROUTE 5, PM 0.66
 1" = 20'

FIRST STREET OC (BR. NO. 06-0016)

QUANTITIES	
PUBLIC SAFETY PLAN	LUMP SUM
RAPID SETTING CONCRETE (PATCH)	37 CF
REMOVE UNSOUND CONCRETE	37 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	7,330 SQFT
TREAT BRIDGE DECK	7,330 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	99 GAL
GALVANIC ANODE	37 EA

NOTES: (APPLY TO THIS SHEET ONLY)
 Indicates limits of prepare bridge deck, remove unsound concrete, place rapid setting concrete and galvanic anodes and treat bridge deck with high molecular weight methacrylate. For details, see MISCELLANEOUS DETAILS sheet.



② FOURTH STREET OVERCROSSING
 BR NO. 06-0037, SHA, ROUTE 5, PM 0.91
 1" = 20'

FOURTH STREET OC (BR. NO. 06-0037)

QUANTITIES	
RAPID SETTING CONCRETE (PATCH)	37 CF
REMOVE UNSOUND CONCRETE	37 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	7,440 SQFT
TREAT BRIDGE DECK	7,440 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	101 GAL
GALVANIC ANODE	35 EA

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	GENERAL PLAN NO. 3
4	GENERAL PLAN NO. 4
5	GENERAL PLAN NO. 5
6	GENERAL PLAN NO. 6
7	GENERAL PLAN NO. 7
8	GENERAL PLAN NO. 8
9	GENERAL PLAN NO. 9
10	GENERAL PLAN NO. 10
11	ABUTMENT DETAILS NO. 1
12	ABUTMENT DETAILS NO. 2
13	MISCELLANEOUS DETAILS
14	BARRIER REPLACEMENT DETAILS NO. 1
15	BARRIER REPLACEMENT DETAILS NO. 2
16	JOINT SEAL DETAILS

STANDARD PLANS DATED 2010

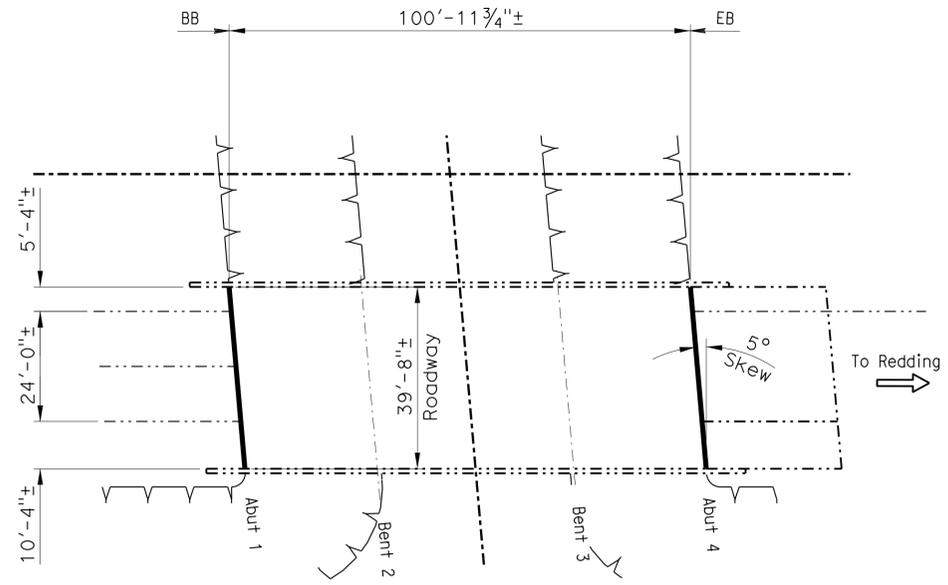
SHEET NO.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
B6-21	JOINT SEALS (MAX MOVEMENT RATING = 2")
B11-56	CONCRETE BARRIER TYPE 736

1-7-13 Michael J. Lee DESIGN ENGINEER	DESIGN	BY H. Moazami	CHECKED C. Hutchinson	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	ROUTE 5, 44, 151, 273, 299 BRIDGES GENERAL PLAN NO. 1
	DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson	LAYOUT	BY M. Hallstrom		VARIOUS	
	QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson	SPECIFICATIONS	BY X		VARIES	

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT: 3488 PROJECT NUMBER & PHASE: 0200020318 1 CONTRACT NO.: 02-4E5301 DISREGARD PRINTS BEARING EARLIER REVISION DATES 5-18-12 12-12-12 SHEET 1 OF 16

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	60	74

REGISTERED CIVIL ENGINEER *Hossein Moazami* DATE 1-7-13
 PLANS APPROVAL DATE 4-29-13
 HOSSEIN MOAZAMI
 No. C 60058
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



③ DESCHUTES ROAD UNDERCROSSING
 BR NO. 06-0145R, SHA, ROUTE 5, PM R4.29
 1" = 20'

DESCHUTES ROAD UC (BR. NO. 06-0145R)

QUANTITIES	
CLEAN EXPANSION JOINT	80 LF
JOINT SEAL (MR 1/2")	80 LF

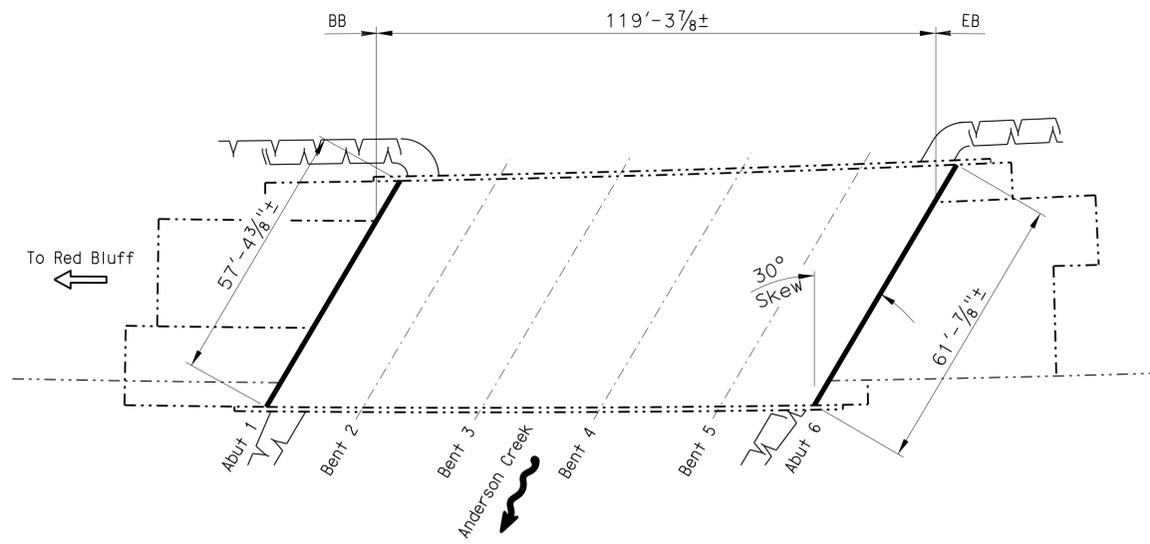
ANDERSON CREEK (BR. NO. 06-0142L)

QUANTITIES	
CLEAN EXPANSION JOINT	119 LF
JOINT SEAL (MR 1/2")	119 LF

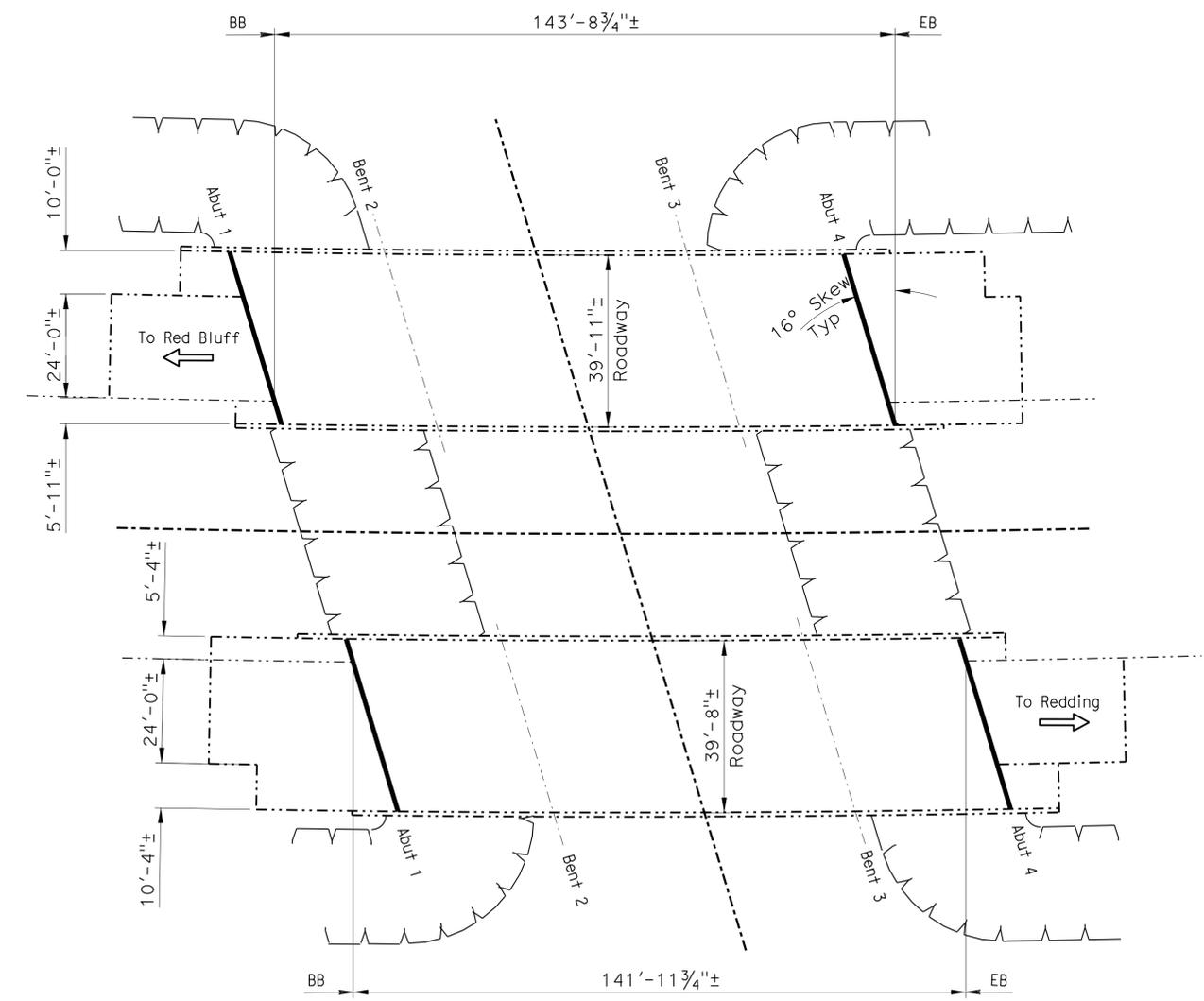
BALLS FERRY UC (BR. NO. 06-0140L/R)

QUANTITIES	
CLEAN EXPANSION JOINT	168 LF
JOINT SEAL (MR 1")	168 LF

NOTES: (APPLY TO THIS SHEET ONLY)
 Indicates location of remove and clean existing joint seal and place new joint seal. For details see JOINT SEAL DETAILS sheet.



④ ANDERSON CREEK
 BR NO. 06-0142L, SHA, ROUTE 5, PM R5.04
 1" = 20'



⑤⑥ BALLS FERRY UNDERCROSSING
 BR NO. 06-0140L/R, SHA, ROUTE 5, PM R5.29
 1" = 20'

1-7-13 <i>Michael J. Lee</i> DESIGN ENGINEER	DESIGN	BY H. Moazami	CHECKED C. Hutchinson	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	ROUTE 5, 44, 151, 273, 299 BRIDGES GENERAL PLAN NO. 2				
	DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson	LAYOUT	CHECKED X		VARIOUS					
	QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson	SPECIFICATIONS	BY X		PLANS AND SPECS COMPARED X		POST MILE			
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)							DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	VARIES	UNIT: 3488 PROJECT NUMBER & PHASE: 0200020318 1 CONTRACT NO.: 02-4E5301	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 5-30-12	SHEET OF 2 16

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

FILE => 02-4e5301_02_gp02.dgn

USERNAME => s121614 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 10:50

NORTH STREET UC (BR. NO. 06-0141L)

QUANTITIES

CLEAN EXPANSION JOINT 82 LF
 JOINT SEAL (MR 1") 82 LF

TORMEY DRAIN (BR. NO. 06-0144R)

QUANTITIES
 CLEAN EXPANSION JOINT 112 LF
 JOINT SEAL (MR 1/2") 112 LF

NOTES: (APPLY TO THIS SHEET ONLY)

-  Indicates limits of remove unsound concrete, place galvanic anodes and rapid setting concrete patch, prepare bridge deck and place min 1" polyester concrete overlay.
-  Indicates limits of grind approach slab and conform to existing.
-  Indicates location of remove existing joint seal and place new joint seal. For details, see JOINT SEAL DETAILS sheet.

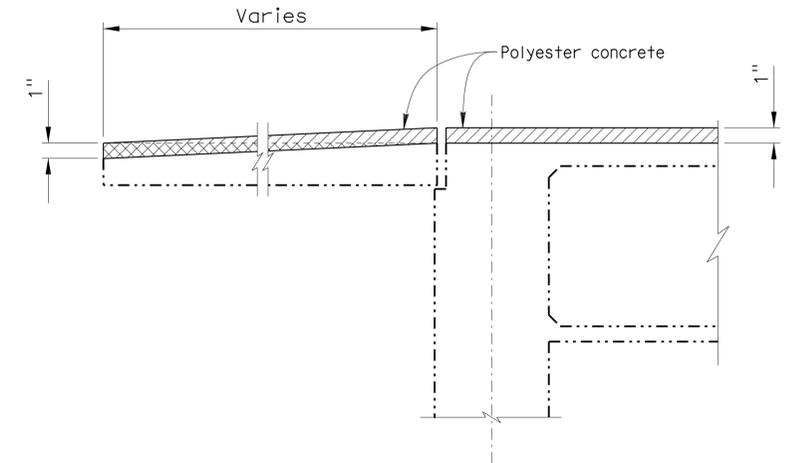
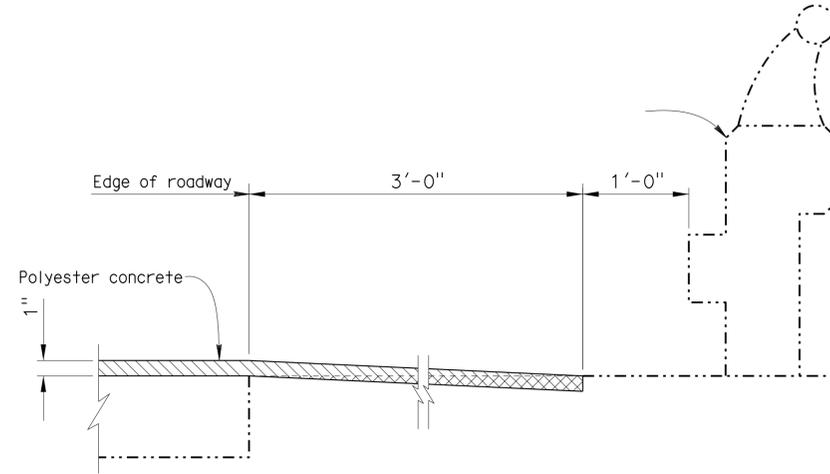
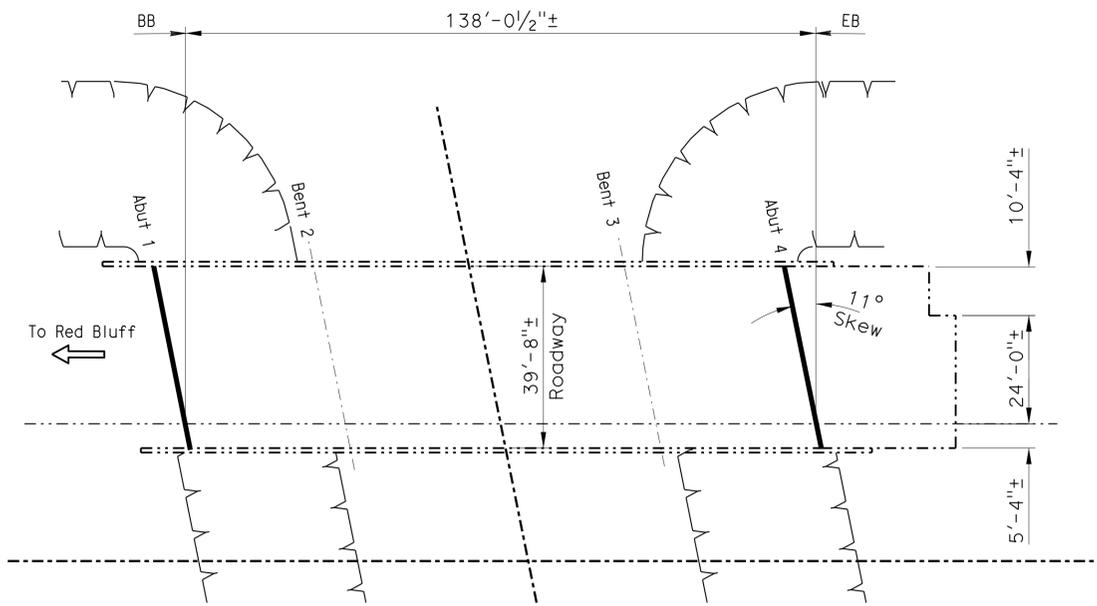
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	61	74

1-7-13
 REGISTERED CIVIL ENGINEER DATE

4-29-13
 PLANS APPROVAL DATE

HOSSEIN MOAZAMI
 No. C 60058
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

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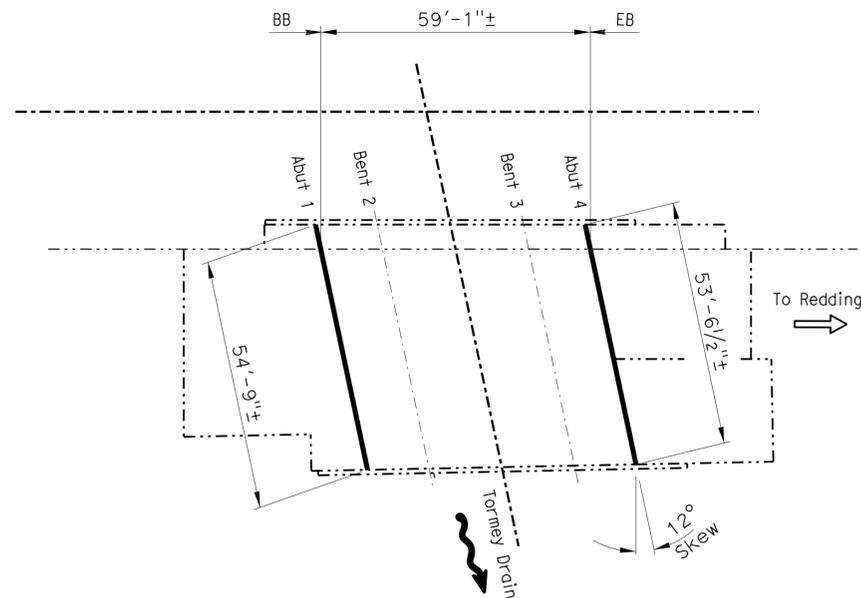


7 NORTH STREET UNDERCROSSING

BR NO. 06-0141L, SHA, ROUTE 5, PM R5.64
 1" = 20'

SECTION B-B
 NO SCALE

SECTION A-A
 NO SCALE



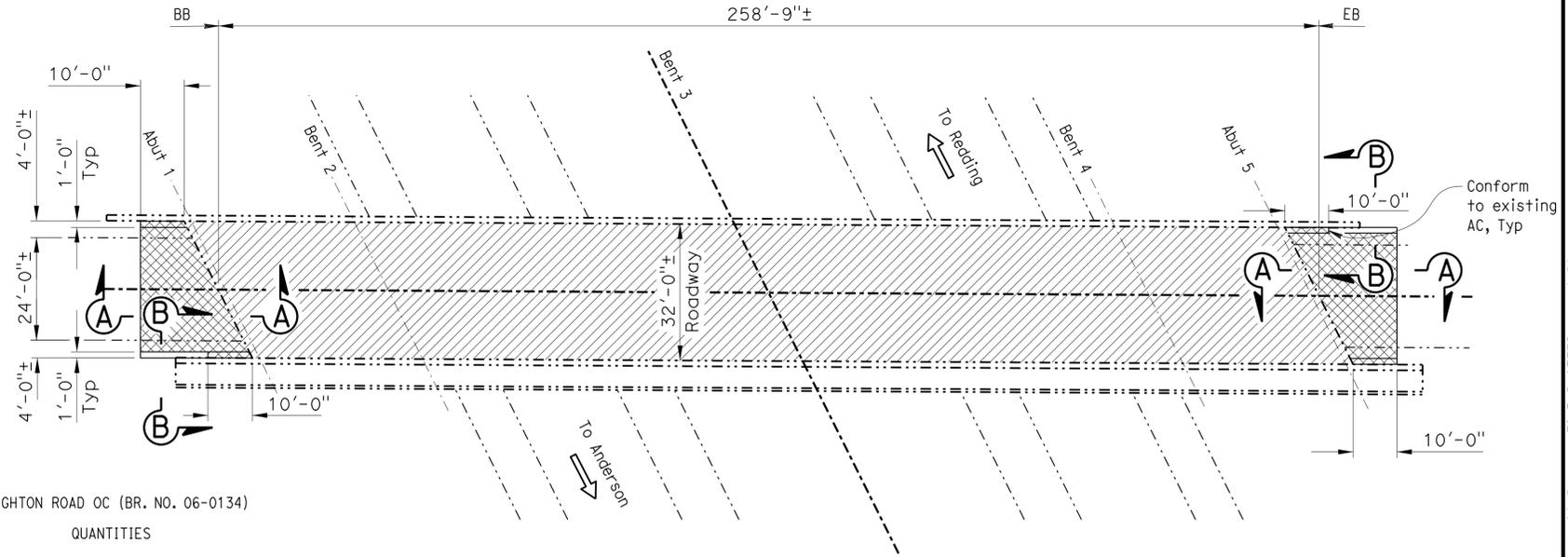
KNIGHTON ROAD OC (BR. NO. 06-0134)

QUANTITIES

RAPID SETTING CONCRETE (PATCH) 45 CF
 REMOVE UNSOUND CONCRETE 45 CF
 PREPARE CONCRETE BRIDGE DECK SURFACE 8,920 SQFT
 FURNISH POLYESTER CONCRETE OVERLAY 892 CF
 PLACE POLYESTER CONCRETE OVERLAY 8,920 SQFT
 GRIND EXISTING CONCRETE PAVEMENT 71 SQYD
 GALVANIC ANODE 45 EA

9 KNIGHTON ROAD OVERCROSSING

BR NO. 06-0134, SHA, ROUTE 5, PM R9.77
 1" = 20'



8 TORMEY DRAIN

BR NO. 06-0144R, SHA, ROUTE 5, PM R5.89
 1" = 20'

1-7-13
 DESIGN ENGINEER
Michael J. Lee

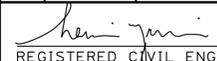
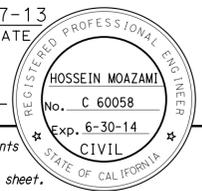
DESIGN	BY H. Moazami	CHECKED C. Hutchinson
DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson
QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson

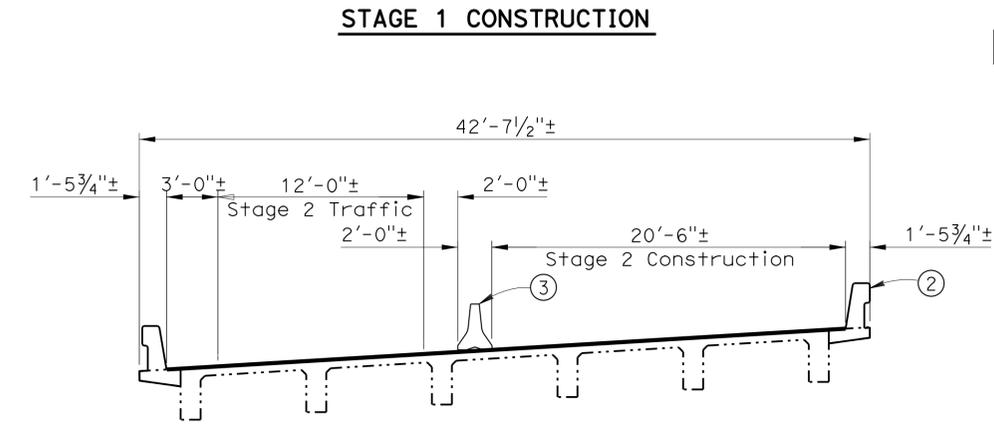
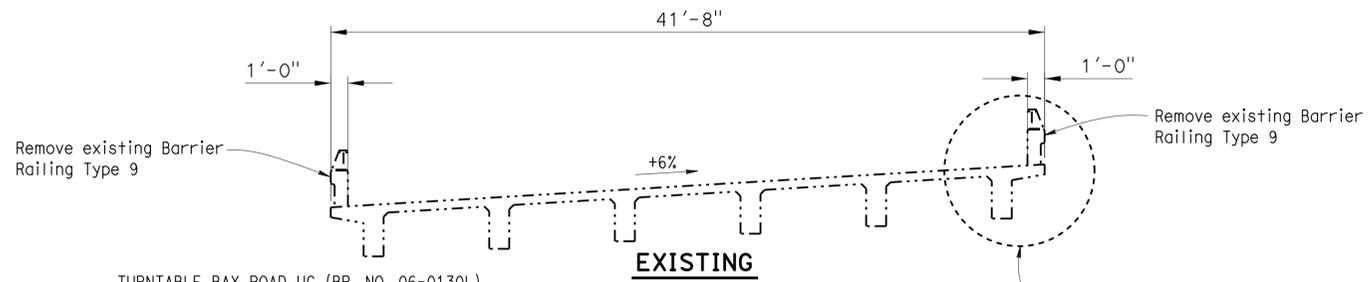
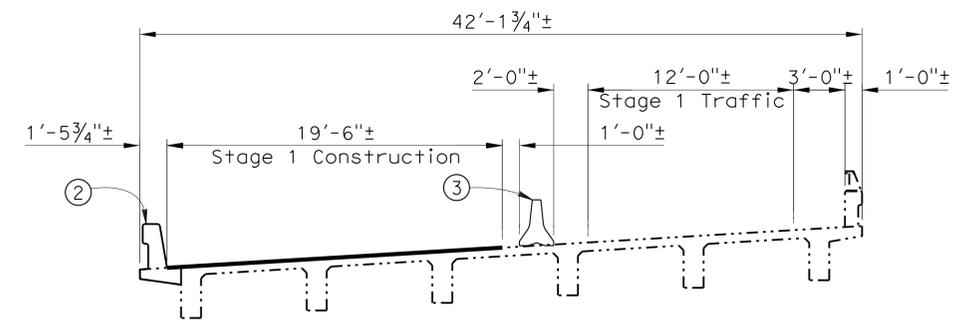
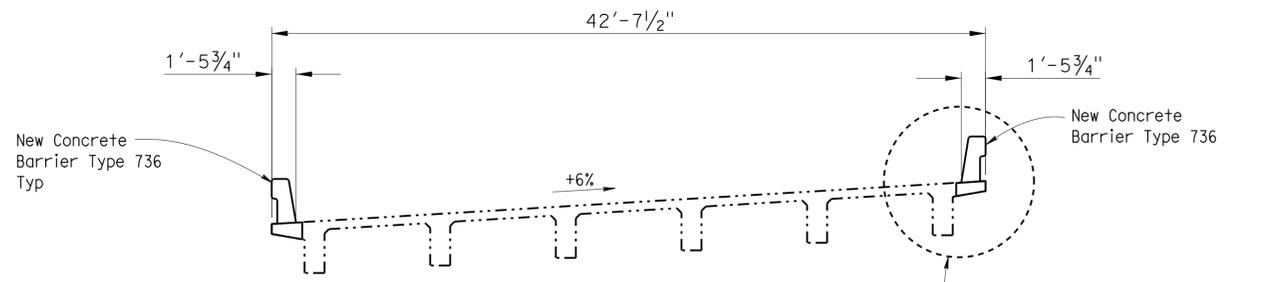
LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
LAYOUT	BY M. Hallstrom
SPECIFICATIONS	BY X

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
 POST MILE VARIES
ROUTE 5, 44, 151, 273, 299 BRIDGES
GENERAL PLAN NO. 3

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	62	74
 REGISTERED CIVIL ENGINEER			1-7-13	DATE	
4-29-13 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					



- NOTES: (APPLY TO THIS SHEET ONLY)**
-  Indicates limits of remove 5"± AC overlay and bituthane membrane, remove unsound concrete, place galvanic anodes and rapid setting concrete patch and place new bituthane membrane with 3"± HMA overlay.
 -  Indicates limits of remove 5/2"± AC overlay and bituthane membrane, remove unsound concrete and place rapid setting concrete with galvanic anodes and new Bituthane membrane with 3"± HMA overlay. For details, see MISCELLANEOUS DETAILS sheet.
 - ① See Road Plans for conform details.
 - ② New Concrete Barrier Type 736.
 - ③ Temporary Railing Type K, see "Road Plans".

TURNTABLE BAY ROAD UC (BR. NO. 06-0130L)

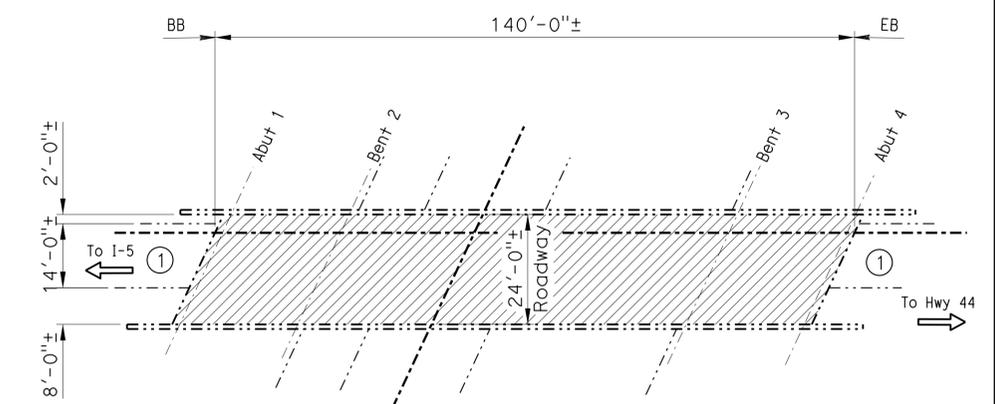
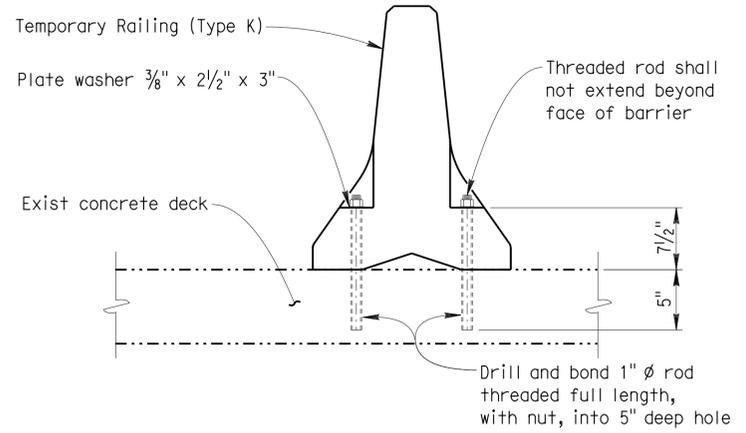
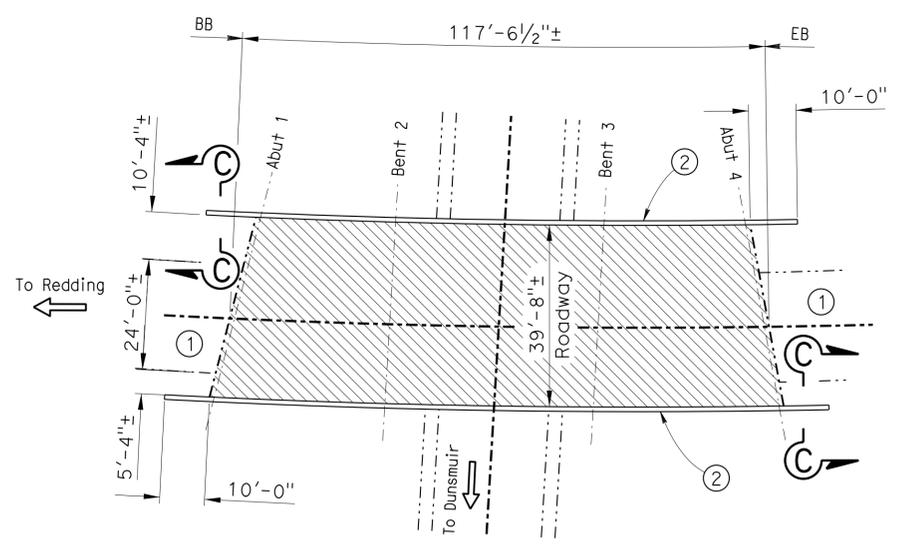
QUANTITIES

RAPID SETTING CONCRETE (PATCH)	24	CF
REMOVE ASPHALT CONCRETE SURFACING	4,690	SQFT
REMOVE UNSOUND CONCRETE	24	CF
BRIDGE REMOVAL (PORTION), LOCATION A	LUMP	SUM
HOT MIX ASPHALT (BRIDGE)	88	TON
STRUCTURAL CONCRETE, BRIDGE	16	CY
DRILL AND BOND DOWEL	109	LF
BAR REINFORCING STEEL (EPOXY COATED) (BRIDGE)	1,520	LB
GALVANIC ANODE	20	EA
DECK SEAL	4,690	SQFT
CONCRETE BARRIER (TYPE 736)	275	LF

N5-E44 CONNECTOR OC (BR. NO. 06-0099G)

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
RAPID SETTING CONCRETE (PATCH)	17	CF
REMOVE ASPHALT CONCRETE SURFACING	3,360	SQFT
REMOVE UNSOUND CONCRETE	17	CF
HOT MIX ASPHALT (BRIDGE)	62	TON
GALVANIC ANODE	20	EA
DECK SEAL	3,360	SQFT

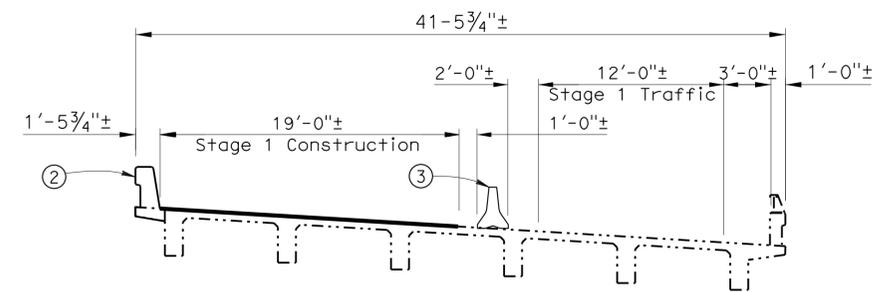
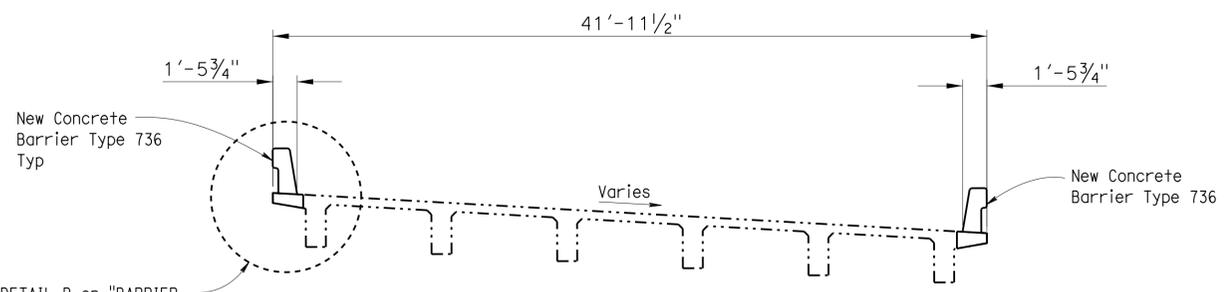


12 TURNTABLE BAY ROAD UNDERCROSSING
 BR NO. 06-0130L, SHA, ROUTE 5, PM R29.29
 1" = 20'

TEMPORARY RAILING (TYPE K) ATTACHMENT DETAIL
 NO SCALE

10 N5-E44 CONNECTOR OVERCROSSING
 BR NO. 06-0099G, SHA, ROUTE 5, PM R15.31
 1" = 20'

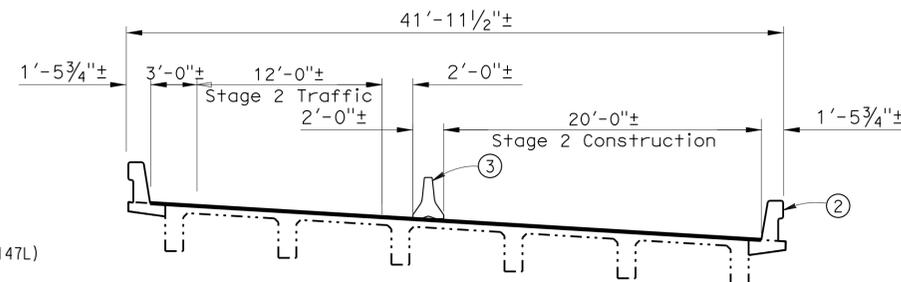
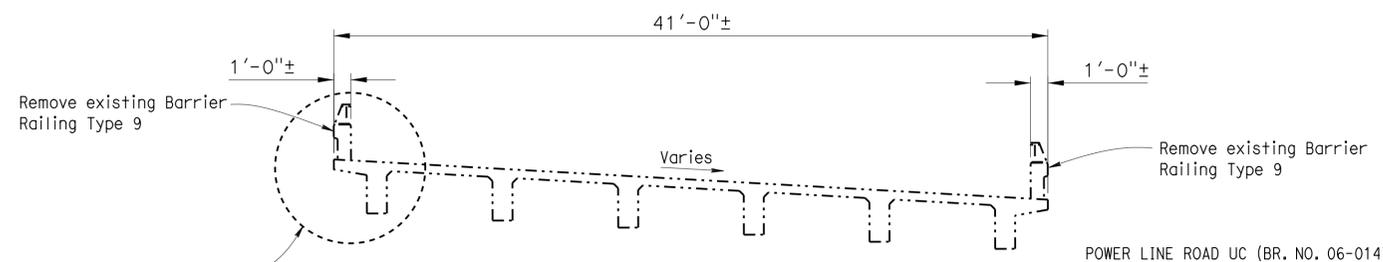
1-7-13  DESIGN ENGINEER	DESIGN	BY H. Moazami	CHECKED C. Hutchinson	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 5, 44, 151, 273, 299 BRIDGES GENERAL PLAN NO. 4	
	DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson	LAYOUT	BY M. Hallstrom			CHECKED X		VARIOUS
	QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson	SPECIFICATIONS	BY X			CHECKED X		VARIES
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)										
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS						UNIT: 3488 PROJECT NUMBER & PHASE: 0200020318 1 CONTRACT NO.: 02-4E5301	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES 5-28-12 12-12-12	SHEET 4 OF 16



See DETAIL B on "BARRIER REPLACEMENT DETAILS NO. 2" sheet

RECONSTRUCTION

STAGE 1 CONSTRUCTION



See DETAIL B on "BARRIER REPLACEMENT DETAILS NO. 2" sheet

EXISTING

STAGE 2 CONSTRUCTION

TYPICAL SECTION

TYPICAL SECTION

NO SCALE

NO SCALE

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	20	CF
REMOVE ASPHALT CONCRETE SURFACING	3,890	SOFT
REMOVE UNSOUND CONCRETE	20	CF
BRIDGE REMOVAL (PORTION), LOCATION B	LUMP	SUM
HOT MIX ASPHALT (BRIDGE)	73	TON
STRUCTURAL CONCRETE, BRIDGE	14	CY
DRILL AND BOND DOWEL	120	LF
BAR REINFORCING STEEL (EPOXY COATED) (BRIDGE)	915	LB
GALVANIC ANODE	20	EA
DECK SEAL	3,940	SOFT
CONCRETE BARRIER (TYPE 736)	243	LF

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of remove existing 5 1/2"± AC overlay and existing Bituthane membrane, remove unsound concrete, place galvanic anodes, rapid setting concrete patch and place new bituthane membrane with 3"± HMA overlay.

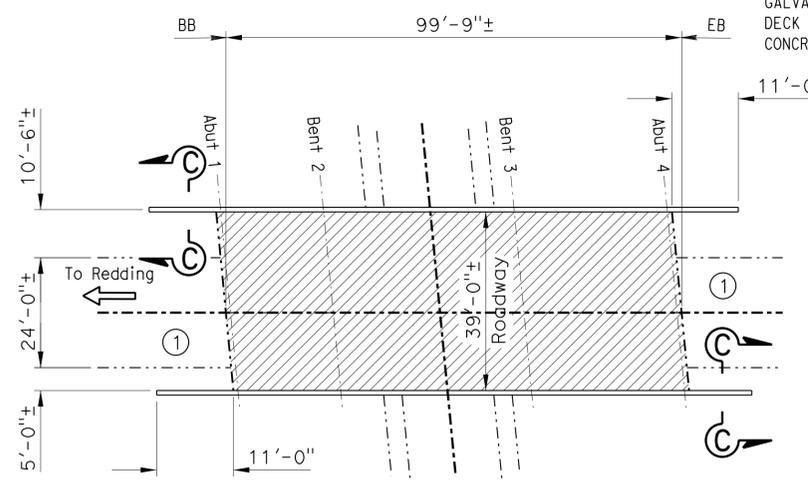
Indicates limits of prepare bridge deck and treat bridge deck with high molecular weight methacrylate.

- ① See Road Plans for conform details.
- ② New Concrete Barrier Type 736.
- ③ Temporary Railing Type K, see "Road Plans". For "TEMPORARY RAILING (TYPE K) ATTACHMENT DETAIL", see GENERAL PLAN NO. 4 sheet.

CHURN CREEK ROAD OC (BR. NO. 06-0191)

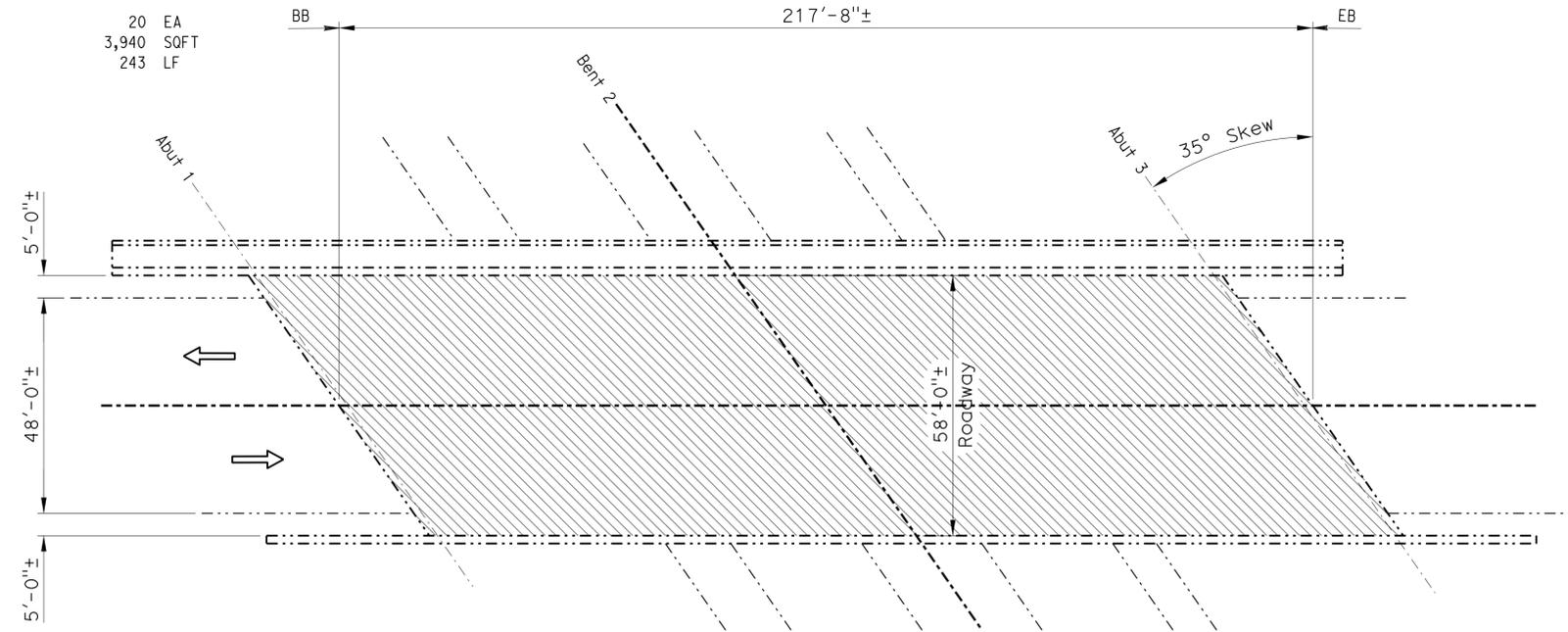
QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
PREPARE CONCRETE BRIDGE DECK SURFACE	12,630	SOFT
TREAT BRIDGE DECK	12,630	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	141	GAL



PLAN

Note:
For "SECTION C-C", see BARRIER REPLACEMENT DETAILS NO. 2 SHEET.



14 CHURN CREEK ROAD OVERCROSSING

BR NO. 06-0191, SHA, ROUTE 44, PM R0.38
1" = 20'

13 POWER LINE ROAD UNDERCROSSING

BR NO. 06-0147L, SHA, ROUTE 5, PM R30.23
1" = 20'

1-7-13
Michael J. Lee
DESIGN ENGINEER

DESIGN	BY H. Moazami	CHECKED C. Hutchinson
DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson
QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson

LOAD FACTOR DESIGN	BY M. Hallstrom	CHECKED X
LAYOUT	BY M. Hallstrom	CHECKED X
SPECIFICATIONS	BY X	CHECKED X

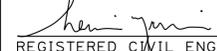
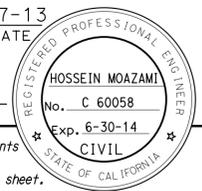
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

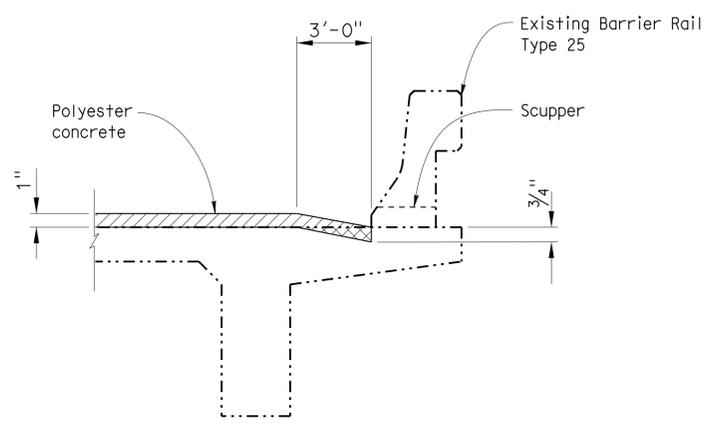
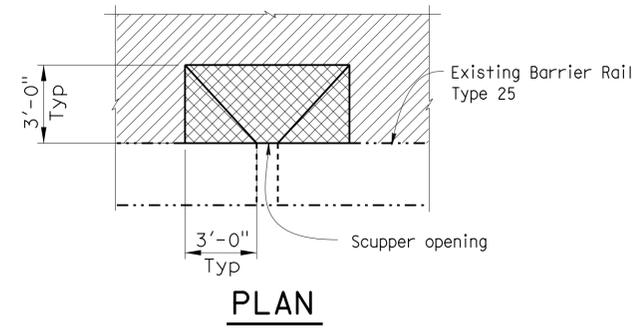
DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIOUS

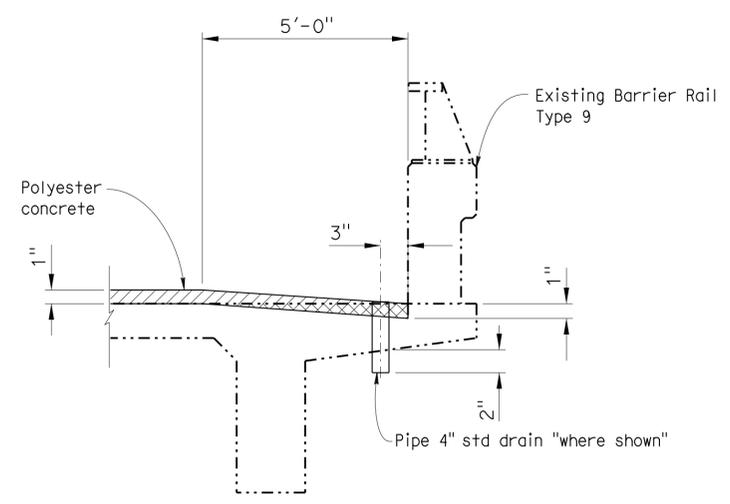
ROUTE 5, 44, 151, 273, 299 BRIDGES
GENERAL PLAN NO. 5

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	64	74


 REGISTERED CIVIL ENGINEER DATE 1-7-13
 4-29-13
 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.



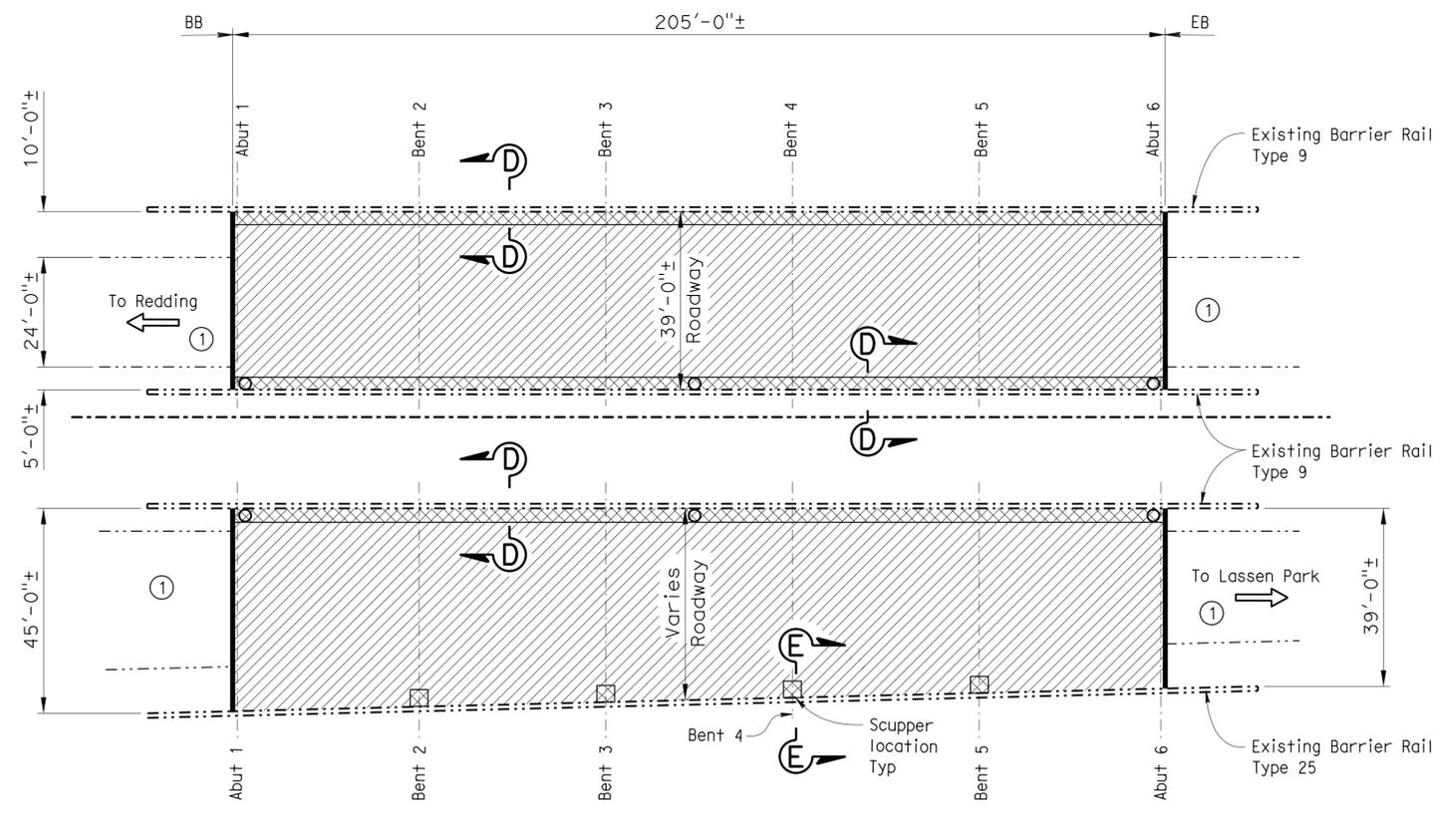
Note: SECTION E-E is for scupper locations only.



CHURN CREEK (BR. NO. 06-0153L/R)
QUANTITIES

PUBLIC SAFETY PLAN	LUMP SUM
RAPID SETTING CONCRETE (PATCH)	80 CF
REMOVE ASPHALT CONCRETE SURFACING	16,605 SQFT
REMOVE CONCRETE DECK SURFACE	3,690 SQFT
REMOVE UNSOUND CONCRETE	80 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	16,605 SQFT
FURNISH POLYESTER CONCRETE OVERLAY	1,661 CF
PLACE POLYESTER CONCRETE OVERLAY	16,605 SQFT
CLEAN EXPANSION JOINT	160 LF
JOINT SEAL (MR 1")	160 LF
GALVANIC ANODE	80 EA
BRIDGE DECK DRAINAGE SYSTEM	LUMP SUM

- NOTES: (APPLY TO THIS SHEET ONLY)
-  Indicates limits of remove 2"± AC overlay and existing Bituthane membrane, remove unsound concrete, place galvanic anodes, rapid setting concrete patch, prepare bridge deck and place 1" polyester concrete overlay.
 -  Indicates limits of remove concrete deck surface.
 - ① See Road Plans for conform details.
 -  Indicates location of remove and clean existing joint seal and place new joint seal. For details see JOINT SEAL DETAILS sheet.
 - Indicates location of new deck drain with 4" drain pipe.



15 16 CHURN CREEK
BR NO. 06-0153L/R, SHA, ROUTE 44, PM R1.56
1" = 20'

1-7-13
Michael J. Lee
DESIGN ENGINEER

DESIGN	BY H. Moazami	CHECKED C. Hutchinson	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson	LAYOUT	BY M. Hallstrom
QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson	SPECIFICATIONS	BY X

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

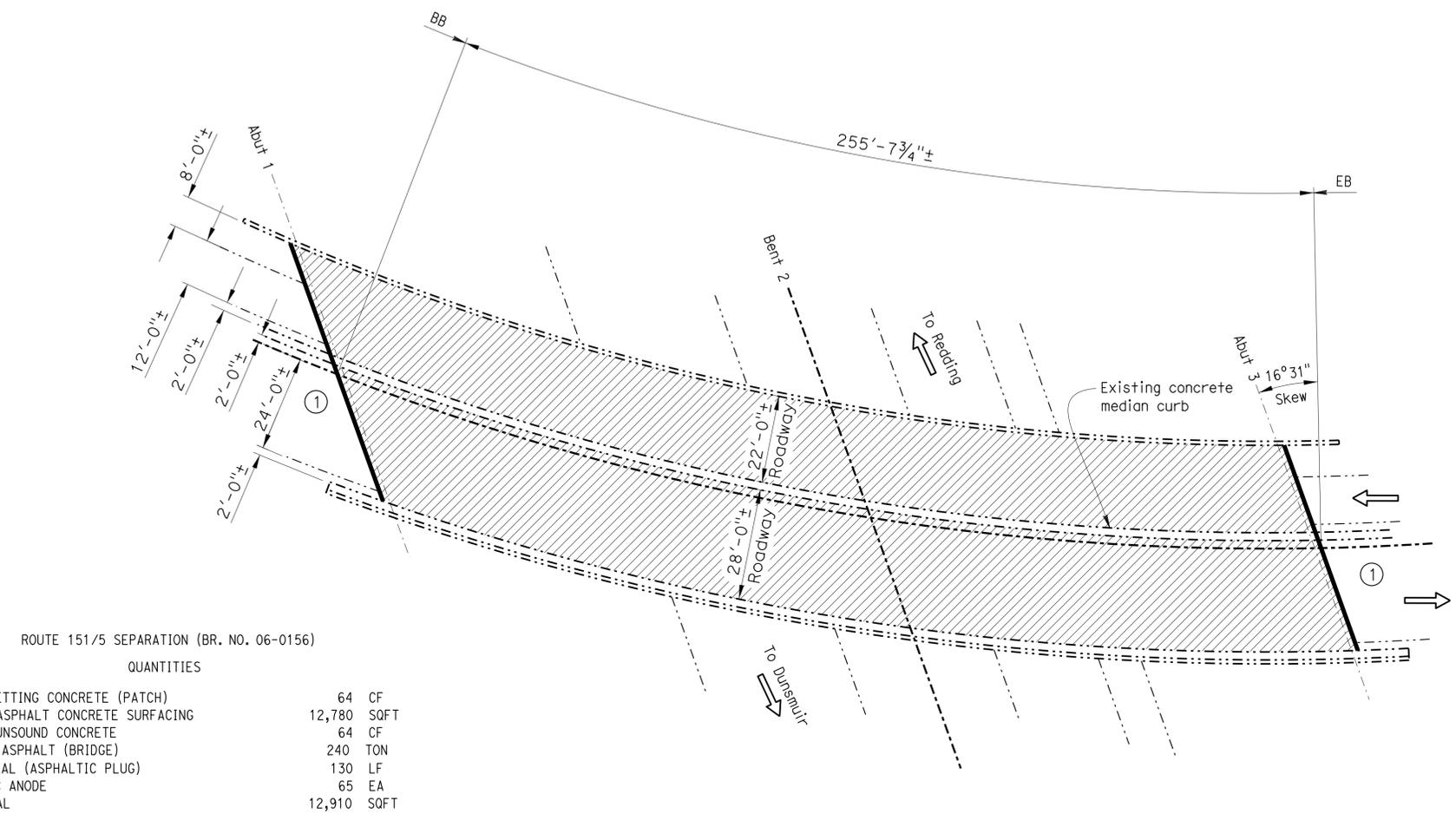
BRIDGE NO. VARIOUS
POST MILE VARIOUS
ROUTE 5, 44, 151, 273, 299 BRIDGES
GENERAL PLAN NO. 6

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	65	74

1-7-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

HOSSEIN MOAZAMI
 No. C 60058
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

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- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of remove 5"± AC overlay and existing Bituthane membrane, remove unsound concrete, place galvanic anodes, rapid setting concrete patch and place new bituthane membrane with 3"± HMA overlay.
 - ① See Road Plans for conform details.
 - Indicates location of remove and clean existing joint seal and place new joint seal. For details see JOINT SEAL DETAILS sheet.
 - Concrete median to remain in place.

ROUTE 151/5 SEPARATION (BR. NO. 06-0156)

QUANTITIES

RAPID SETTING CONCRETE (PATCH)	64	CF
REMOVE ASPHALT CONCRETE SURFACING	12,780	SOFT
REMOVE UNSOUND CONCRETE	64	CF
HOT MIX ASPHALT (BRIDGE)	240	TON
JOINT SEAL (ASPHALTIC PLUG)	130	LF
GALVANIC ANODE	65	EA
DECK SEAL	12,910	SOFT

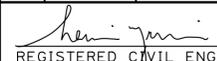
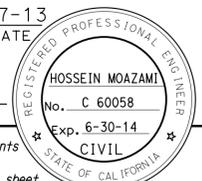
11 ROUTE 151/5 SEPARATION

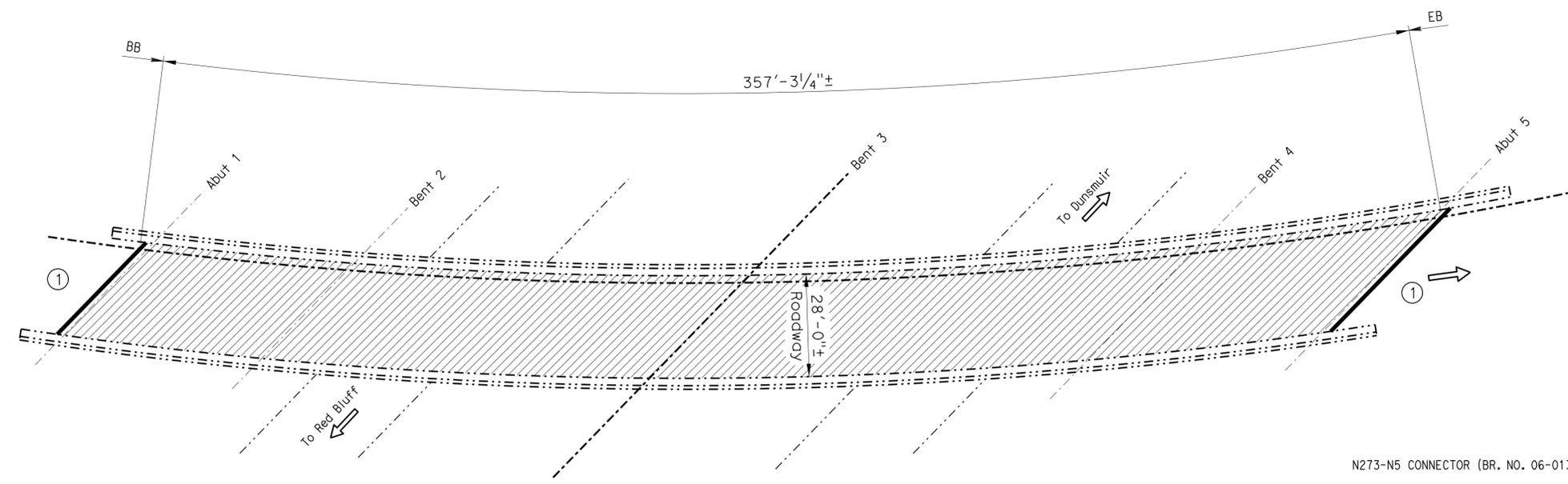
BR NO. 06-0156, SHA, ROUTE 151, PM R22.14

1" = 20'

1-7-13 DESIGN ENGINEER 	DESIGN	BY H. Moazami	CHECKED C. Hutchinson	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	ROUTE 5, 44, 151, 273, 299 BRIDGES GENERAL PLAN NO. 7					
	DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson	LAYOUT	BY M. Hallstrom		CHECKED X		VARIOUS				
	QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson	SPECIFICATIONS	BY X	PLANS AND SPECS COMPARED X	POST MILE						
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)							UNIT: 3488	CONTRACT NO.: 02-4E5301	REVISION DATES				
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS							PROJECT NUMBER & PHASE: 0200020318 1	DISREGARD PRINTS BEARING EARLIER REVISION DATES	<table border="1"> <tr> <td>5-28-12</td> <td>12-12-12</td> <td></td> <td></td> </tr> </table>	5-28-12	12-12-12		
5-28-12	12-12-12												
							FILE => 02-4e5301_07_gp07.dgn	SHEET 7	OF 16				

USERNAME => s121614 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 10:50

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	66	74
 REGISTERED CIVIL ENGINEER			1-7-13	DATE	
4-29-13 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					



18 N273-N5 CONNECTOR
 BR NO. 06-0137G, SHA, ROUTE 273, PM 20.0
 1" = 20'

N273-N5 CONNECTOR (BR. NO. 06-0137G)

QUANTITIES

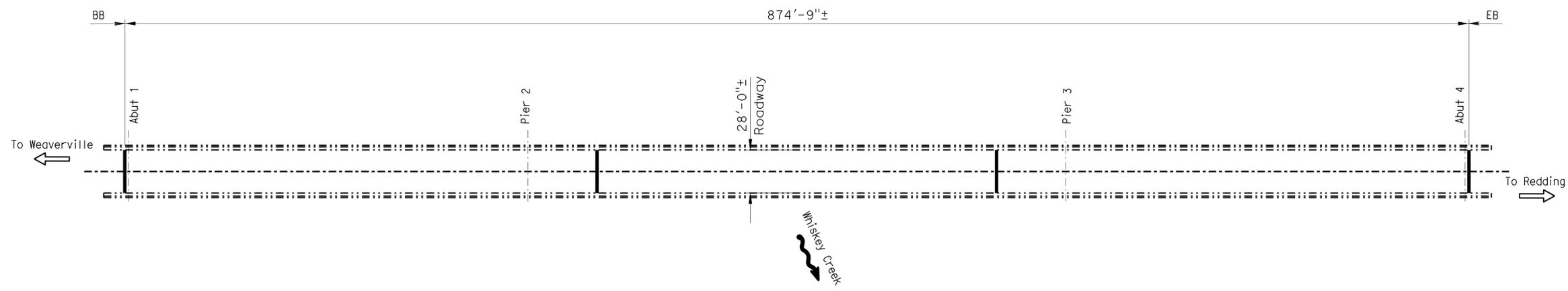
RAPID SETTING CONCRETE (PATCH)	50	CF
REMOVE ASPHALT CONCRETE SURFACING	10,000	SQFT
REMOVE UNSOUND CONCRETE	50	CF
HOT MIX ASPHALT (BRIDGE)	188	TON
JOINT SEAL (ASPHALTIC PLUG)	82	LF
GALVANIC ANODE	50	EA
DECK SEAL	10,180	SQFT

WHISKEY CREEK BRIDGE (BR. NO. 06-0096)

QUANTITIES

CLEAN EXPANSION JOINT	116	LF
JOINT SEAL (MR 1 1/2")	58	LF
JOINT SEAL (MR 2")	58	LF

- NOTES: (APPLY TO THIS SHEET ONLY)
-  Indicates limits of remove 5"± AC overlay and existing Bituthane membrane, remove unsound concrete, place galvanic anodes, and rapid setting concrete patch and place new bituthane membrane with 3"± HMA overlay.
 -  Indicates location of remove and clean existing joint seal and place new joint seal. For details see JOINT SEAL DETAILS sheet.
 -  See Road Plans for conform details.



19 WHISKEY CREEK BRIDGE
 BR NO. 06-0096, SHA, ROUTE 299, PM 14.17
 1" = 40'

1-7-13  DESIGN ENGINEER	DESIGN	BY H. Moazami	CHECKED C. Hutchinson	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
	DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson	LAYOUT	BY M. Hallstrom
	QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson	SPECIFICATIONS	BY X

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

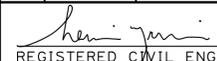
DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
 POST MILE VARIES

ROUTE 5, 44, 151, 273, 299 BRIDGES
GENERAL PLAN NO. 8

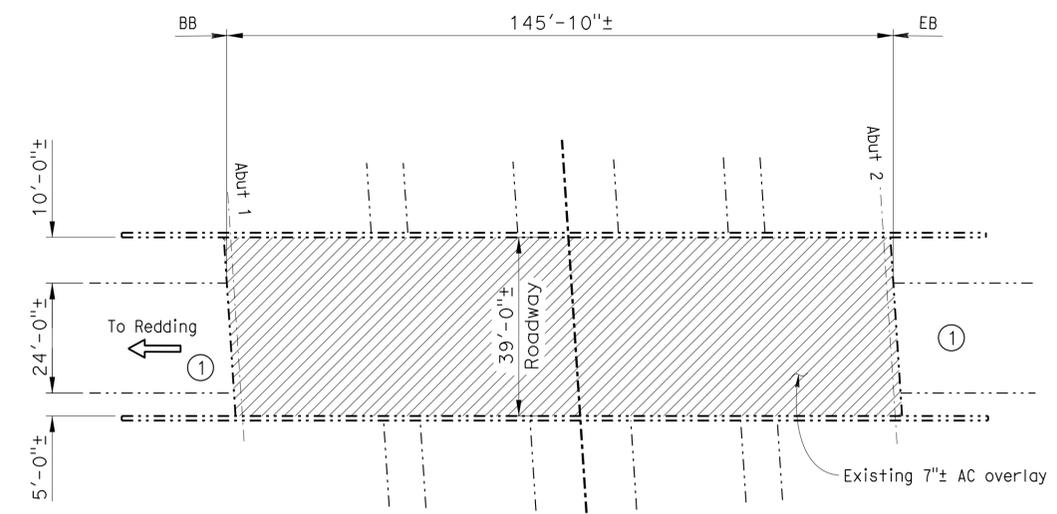
USERNAME => s121614 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 10:50

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	67	74


 REGISTERED CIVIL ENGINEER DATE 1-7-13
 4-29-13
 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.

REGISTERED PROFESSIONAL ENGINEER
 HOSSEIN MOAZAMI
 No. C 60058
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA



HAWLEY ROAD UC (BR. NO. 06-0177L)

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
RAPID SETTING CONCRETE (PATCH)	29	CF
REMOVE ASPHALT CONCRETE SURFACING	5,690	SQFT
REMOVE UNSOUND CONCRETE	29	CF
HOT MIX ASPHALT (BRIDGE)	107	TON
GALVANIC ANODE	30	EA
DECK SEAL	5,765	SQFT

CHURN CREEK (BR. NO. 06-0043L)

QUANTITIES

PUBLIC SAFETY PLAN	LUMP	SUM
RAPID SETTING CONCRETE (PATCH)	58	CF
REMOVE ASPHALT CONCRETE SURFACING	11,680	SQFT
REMOVE UNSOUND CONCRETE	58	CF
HOT MIX ASPHALT (BRIDGE)	218	TON
GALVANIC ANODE	50	EA
DECK SEAL	11,760	SQFT

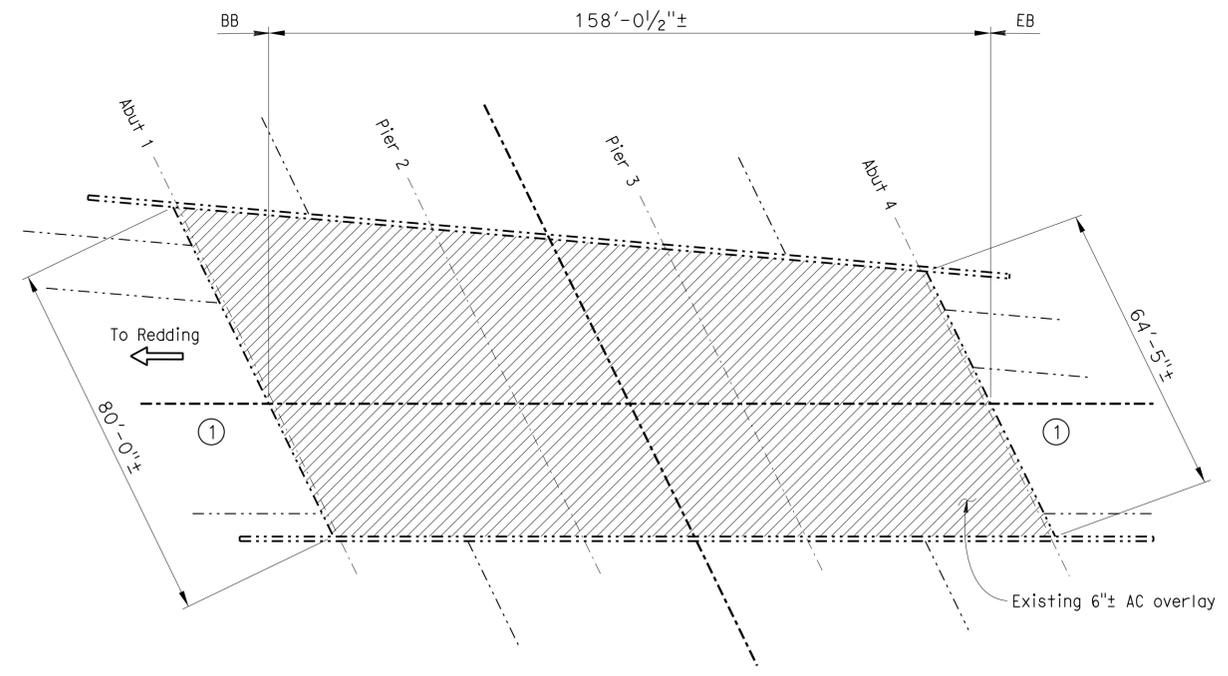
OLD OREGON TRAIL UC (BR. NO. 06-0178L)

QUANTITIES

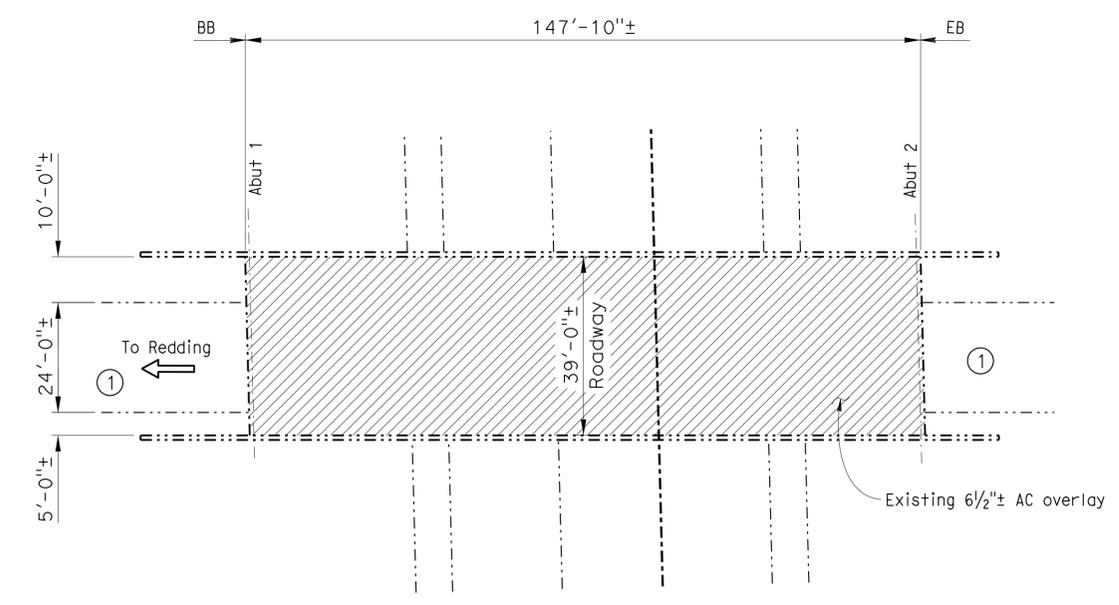
RAPID SETTING CONCRETE (PATCH)	29	CF
REMOVE ASPHALT CONCRETE SURFACING	5,770	SQFT
REMOVE UNSOUND CONCRETE	29	CF
HOT MIX ASPHALT (BRIDGE)	108	TON
GALVANIC ANODE	30	EA
DECK SEAL	5,840	SQFT

- NOTES: (APPLY TO THIS SHEET ONLY)
-  Indicates limits of remove existing AC overlay and bituthane membrane, remove unsound concrete, place galvanic anodes, and rapid setting concrete patch and place new bituthane membrane with 3"± HMA overlay.
 - ① See Road Plans for conform details.

20 HAWLEY ROAD UNDERCROSSING
 BR NO. 06-0177L, SHA, ROUTE 299, PM 25.54
 1" = 20'



21 CHURN CREEK
 BR NO. 06-0043L, SHA, ROUTE 299, PM 25.71
 1" = 20'



22 OLD OREGON TRAIL UNDERCROSSING
 BR NO. 06-0178L, SHA, ROUTE 299, PM 27.22
 1" = 20'

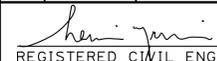
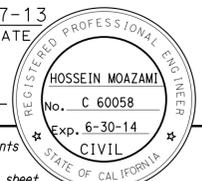
1-7-13  DESIGN ENGINEER	DESIGN	BY H. Moazami	CHECKED C. Hutchinson	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	ROUTE 5, 44, 151, 273, 299 BRIDGES GENERAL PLAN NO. 9	
	DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson	LAYOUT	BY M. Hallstrom		STRUCTURE MAINTENANCE DESIGN		VARIOUS
	QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson	SPECIFICATIONS	BY X		PLANS AND SPECS COMPARED X		VARIES

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT: 3488 PROJECT NUMBER & PHASE: 0200020318 1 CONTRACT NO.: 02-4E5301 DISREGARD PRINTS BEARING EARLIER REVISION DATES

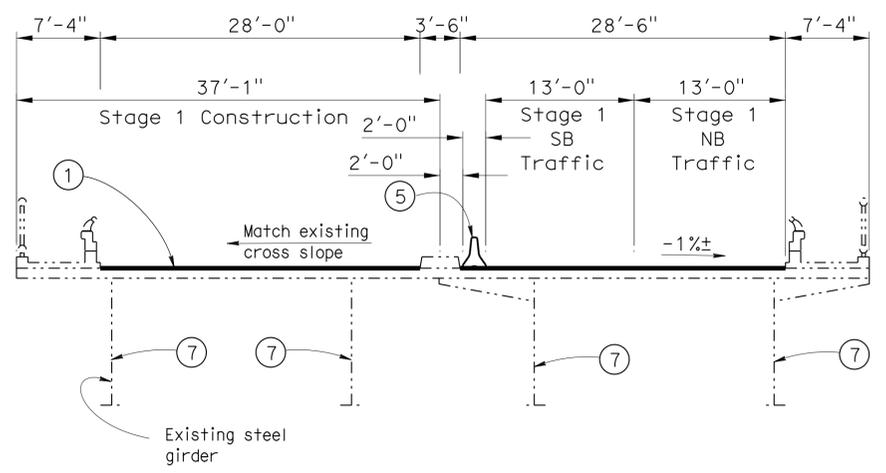
REVISION DATES	SHEET	OF
5-28-12 12-12-12	9	16

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	68	74
 REGISTERED CIVIL ENGINEER			1-7-13	DATE	
4-29-13 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					

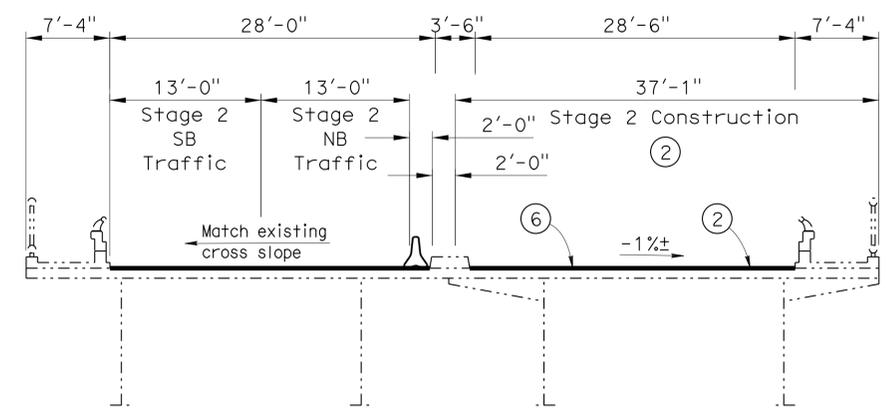
SACRAMENTO RIVER BRIDGE (BR. NO. 06-0014)
QUANTITIES

RAPID SETTING CONCRETE (PATCH)	227	CF
REMOVE ASPHALT CONCRETE SURFACING	45,340	SQFT
REMOVE UNSOUND CONCRETE	227	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	45,340	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	4,534	CF
PLACE POLYESTER CONCRETE OVERLAY	45,340	SQFT
BRIDGE REMOVAL (PORTION), LOCATION C	LUMP	SUM
MODIFY EXPANSION GRATE	LUMP	SUM
STRUCTURE EXCAVATION (BRIDGE)	16	CY
STRUCTURE BACKFILL (BRIDGE)	16	CY
STRUCTURAL CONCRETE, BRIDGE	11	CY
DRILL AND BOND DOWEL	11	LF
CLEAN EXPANSION JOINT	595	LF
JOINT SEAL (MR 1/2")	595	LF
JOINT SEAL (MR 1")	62	LF
BONDED JOINT SEAL (MR 3/2")	62	LF
BAR REINFORCING STEEL (EPOXY COATED) (BRIDGE)	400	LB
GALVANIC ANODE	225	EA
DECK SEAL	45,945	SQFT
CLEAN STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP	SUM
PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP	SUM
SPOT BLAST CLEAN AND PAINT UNDERCOAT	10,525	SQFT
WORK AREA MONITORING	LUMP	SUM
MISCELLANEOUS METAL (BRIDGE)	260	LB



STAGED CONSTRUCTION TYPICAL SECTION

1/8" = 1'-0"

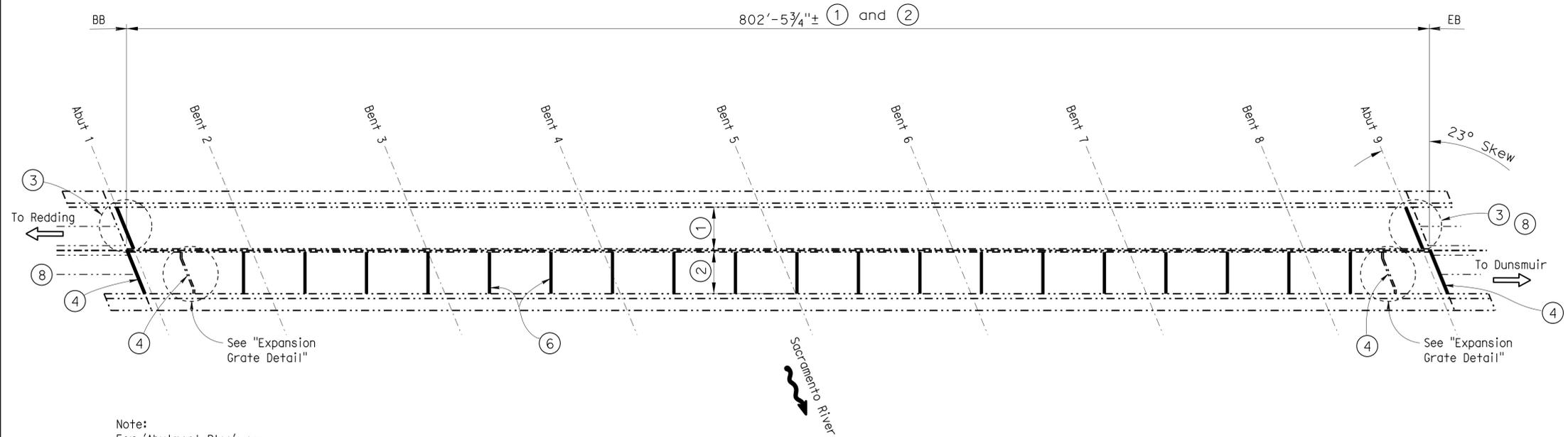


STAGED CONSTRUCTION TYPICAL SECTION

1/8" = 1'-0"

NOTES: (APPLY TO THIS SHEET ONLY)

- ① Remove 3/2"± AC deck surfacing and bituthene membrane deck seal, remove unsound concrete, place galvanic anodes, place rapid setting concrete patch, prepare bridge deck and place min 1" Polyester Concrete deck overlay.
 - ② Remove 3/2"± AC deck surfacing and bituthene membrane deck seal, remove unsound concrete, place galvanic anodes, place rapid setting concrete, prepare bridge deck and place min 1"± Polyester Concrete deck overlay to achieve 1%± cross slope.
 - ③ For Expansion joint armor and dam removal, see "Miscellaneous Details" sheet
 - ④ Expansion grate joint & hinge modifications
 - ⑤ Temporary Railing Type K, see "Road Plans"
 - ⑥ Existing Deck Joint Seals, total 19, to be replaced, see "Miscellaneous Details" sheet.
 - ⑦ Indicates location of spot blast portions of failed paint systems area = 10,525ft² and as directed by the engineer. Repaint the entire steel portion of the bridge, total area = 105,250ft². (For more details of stage construction, see Roadway Plans sheet SC-5).
 - ⑧ See Roadway Plans for approach work.
- For more details of stage construction and traffic handling, see Roadway Plans sheets SC 3, 4 and 5.

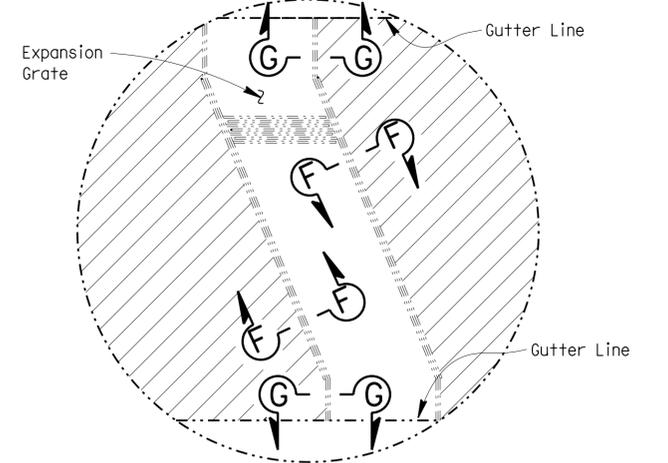


Note:
For 'Abutment Plan', see
ABUTMENT DETAILS sheet.



17 SACRAMENTO RIVER BRIDGE

BR NO. 06-0014, SHA, ROUTE 273, PM 17.08
1" = 40'



Note: For "Section F-F" & "Section G-G"
see "Miscellaneous Details" sheet

EXPANSION GRATE DETAIL

NO SCALE

1-7-13

DESIGN ENGINEER

DESIGN	BY H. Moazami	CHECKED C. Hutchinson
DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson
QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson

LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
LAYOUT	BY M. Hallstrom
SPECIFICATIONS	BY X

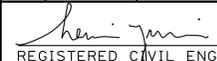
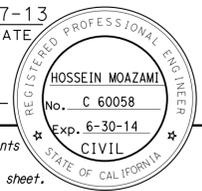
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

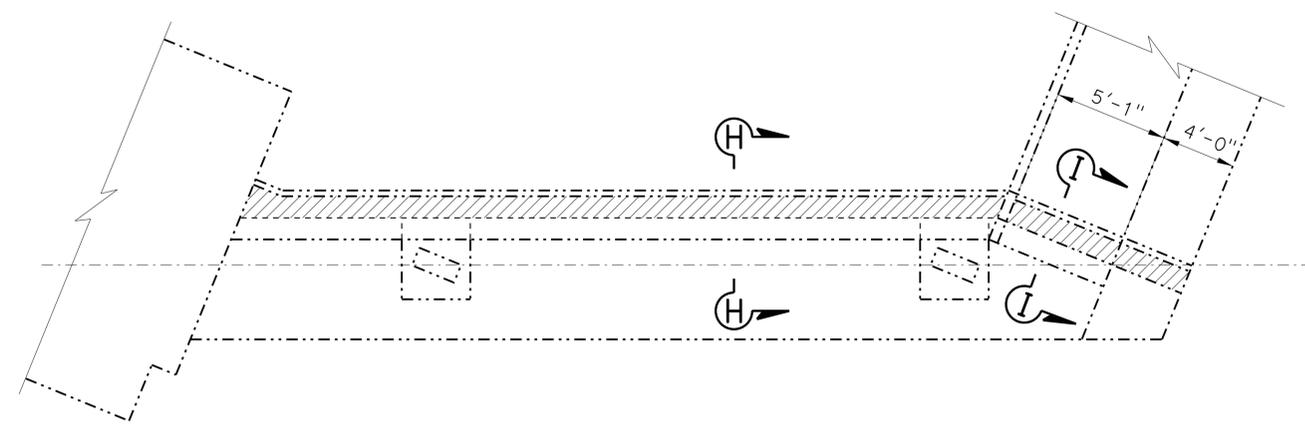
DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 5, 44, 151, 273, 299 BRIDGES
GENERAL PLAN NO. 10

USERNAME => s121614 DATE PLOTTED => 03-MAY-2013 TIME PLOTTED => 10:50

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	69	74
 REGISTERED CIVIL ENGINEER			1-7-13	DATE	
4-29-13 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					



GENERAL NOTES LOAD FACTOR DESIGN

DESIGN: BRIDGE DESIGN SPECIFICATIONS (1996 AASHTO with Interims and Revisions by CALTRANS)

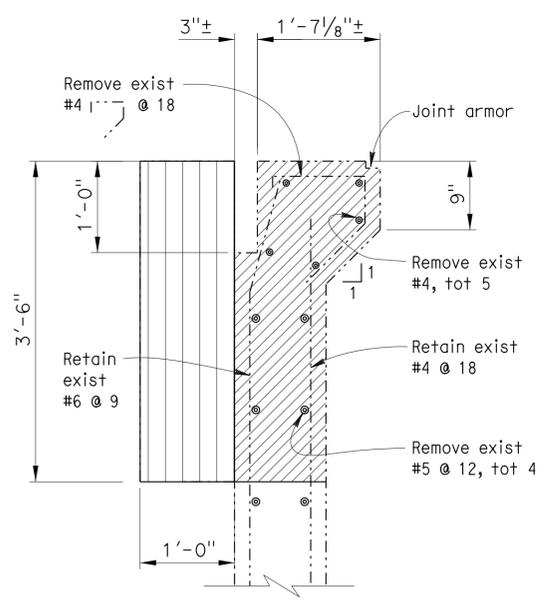
LIVE LOADING: HS20-44 and alternative and permit design load

REINFORCED CONCRETE: $f_y = 60$ ksi
 $f'_c = 4000$ psi
 $n = 8$

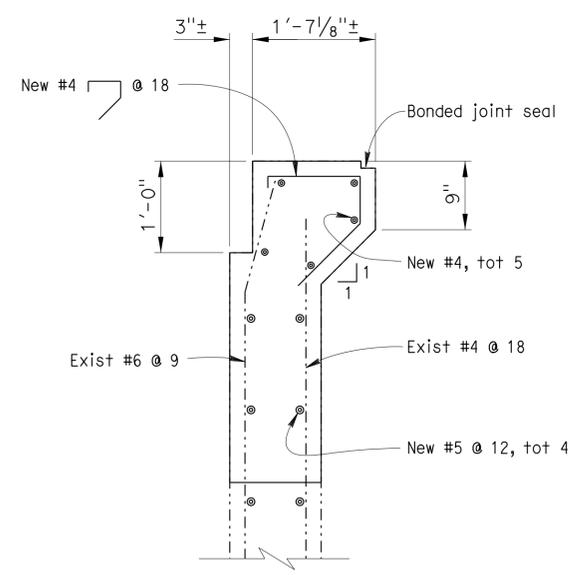
- NOTES: (APPLY TO THIS SHEET ONLY)
-  Indicates limits of remove existing back wall concrete. Retain existing reinforcing steel (except where noted otherwise). Remove existing steel, place new structural concrete.
 -  Indicates limits of structure excavation and backfill.

ABUTMENT 1 PLAN (SOUTH BOUND LANE AND SIDEWALK)

BR. NO. 06-0014
1/4" = 1'-0"



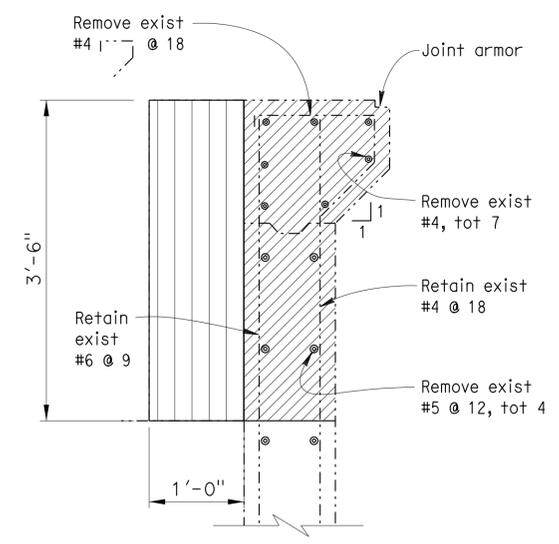
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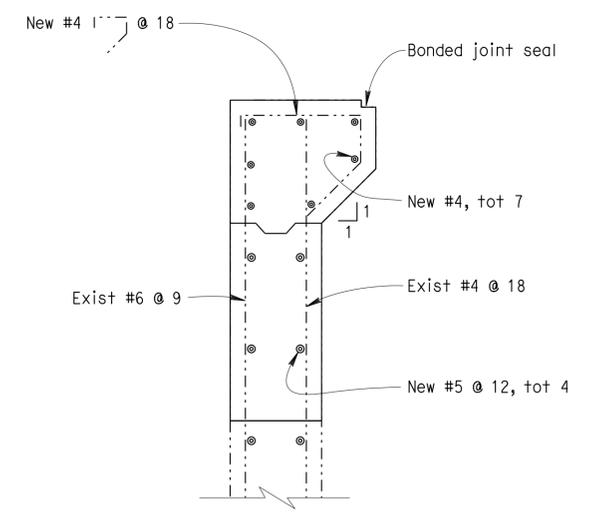
RECONSTRUCTION

SECTION H-H

1" = 1'-0"



EXISTING



RECONSTRUCTION

SECTION I-I

1" = 1'-0"

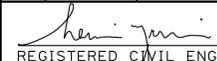
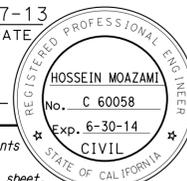
DESIGN	BY H. Moazami	CHECKED C. Hutchinson
DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson
QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson

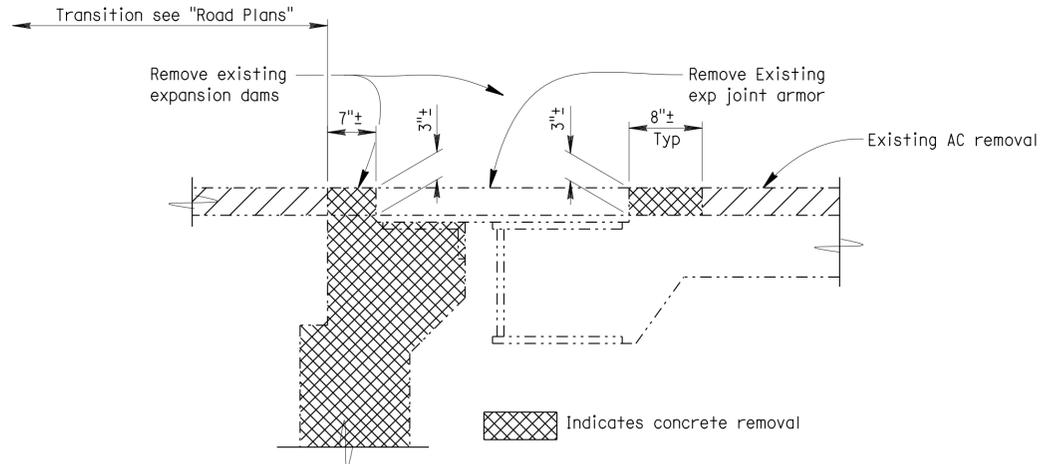
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

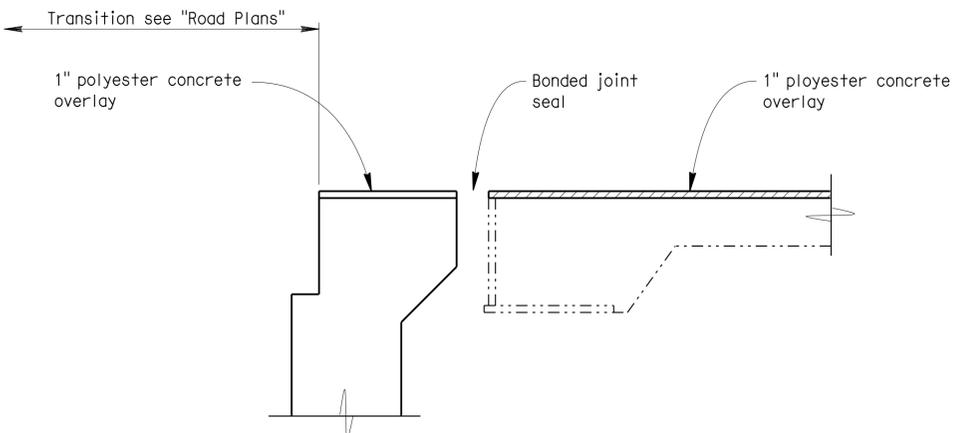
BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 5, 44, 151, 273, 299 BRIDGES
ABUTMENT DETAILS NO. 1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	70	74
 REGISTERED CIVIL ENGINEER				1-7-13	DATE
PLANS APPROVAL DATE 4-29-13					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					

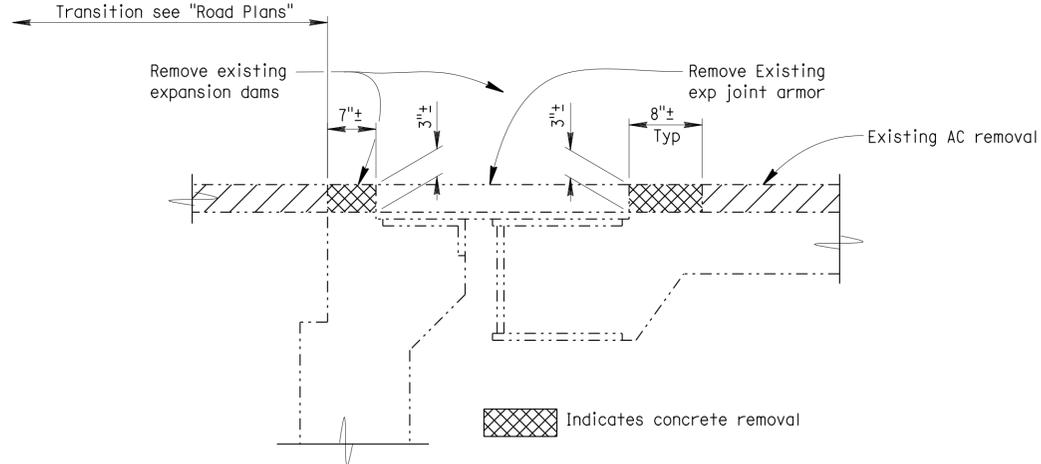


EXISTING EXPANSION JOINT ARMOR AND DAM REMOVAL
NO SCALE

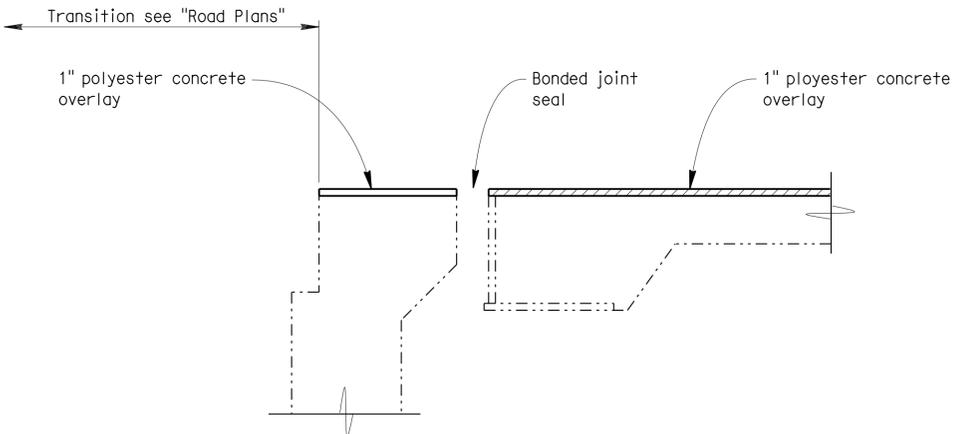


RECONSTRUCT BACKWALL & EXPANSION JOINT (BONDED JOINT SEAL)
NO SCALE

(SOUTH BOUND LANES AND SIDEWALK)
ABUTMENT 1 JOINT DETAIL
NO SCALE



EXISTING EXPANSION JOINT ARMOR AND DAM REMOVAL
NO SCALE



NEW EXPANSION JOINT (BONDED JOINT SEAL)
NO SCALE

(SOUTH BOUND LANES ONLY)
ABUTMENT 9 JOINT DETAIL
NO SCALE

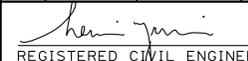
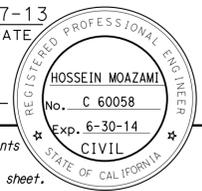
DESIGN	BY H. Moazami	CHECKED C. Hutchinson
DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson
QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson

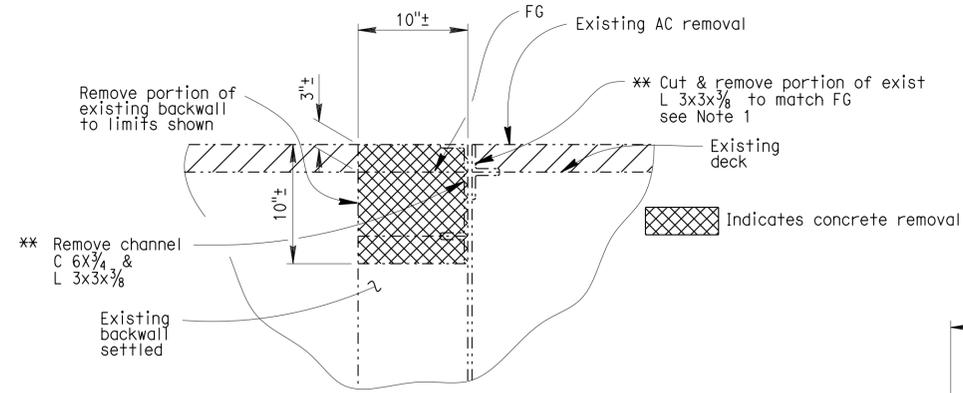
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

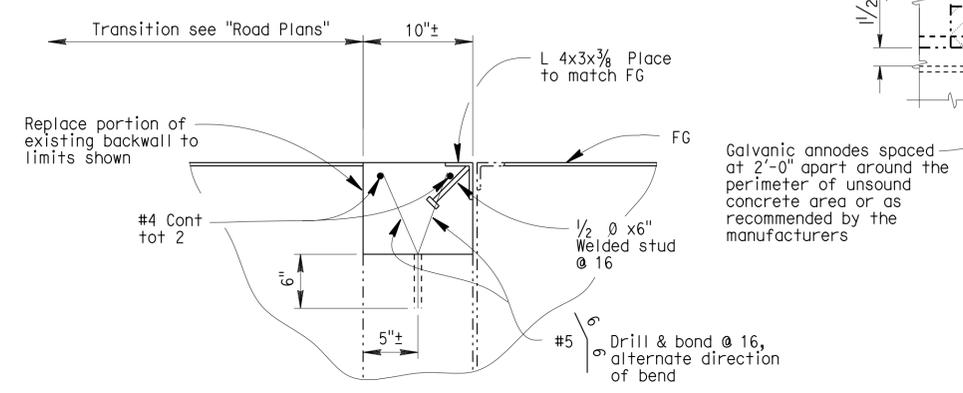
BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 5, 44, 151, 273, 299 BRIDGES
ABUTMENT DETAILS NO. 2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	71	74
 REGISTERED CIVIL ENGINEER			1-7-13	DATE	
4-29-13 PLANS APPROVAL DATE					
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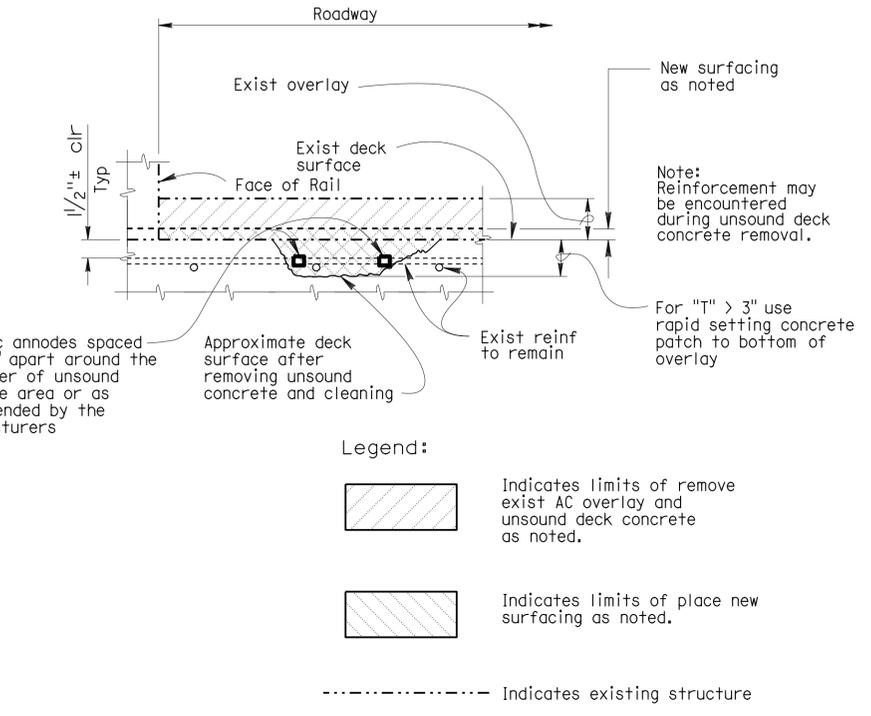


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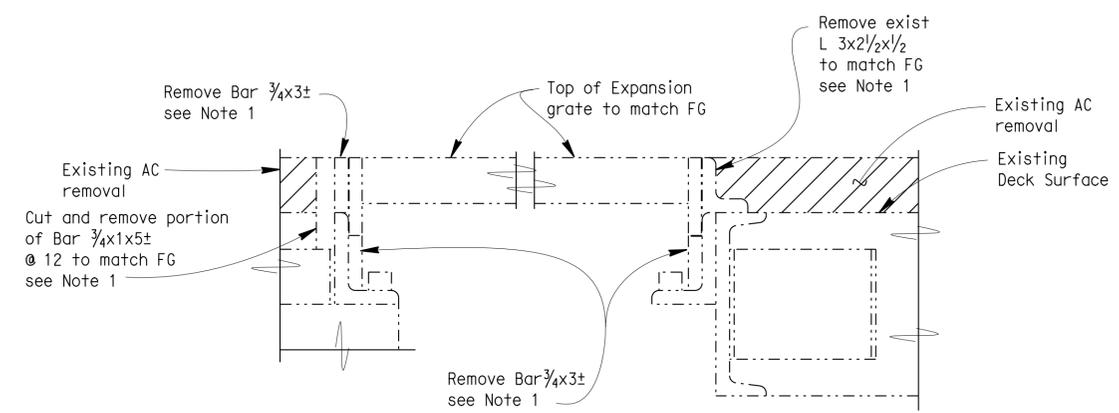


NEW

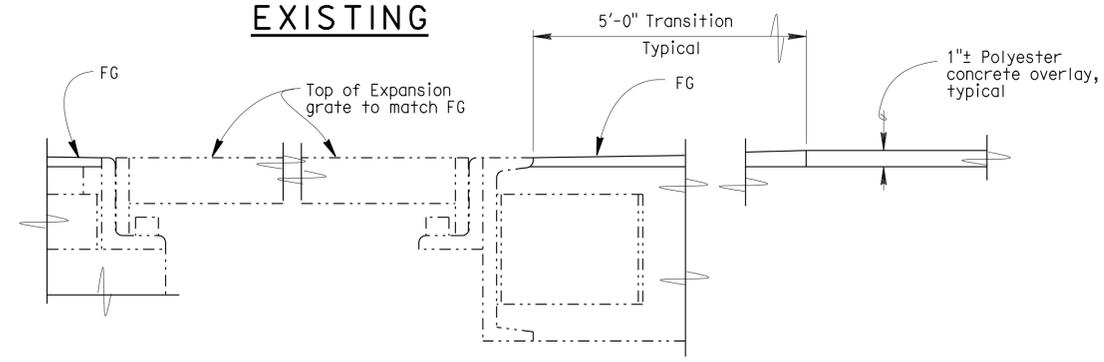
(NORTH BOUND LANES AND SIDEWALK)
ABUTMENT 1 JOINT DETAIL
NO SCALE



DECK REPAIR AND OVERLAY DETAIL
NO SCALE

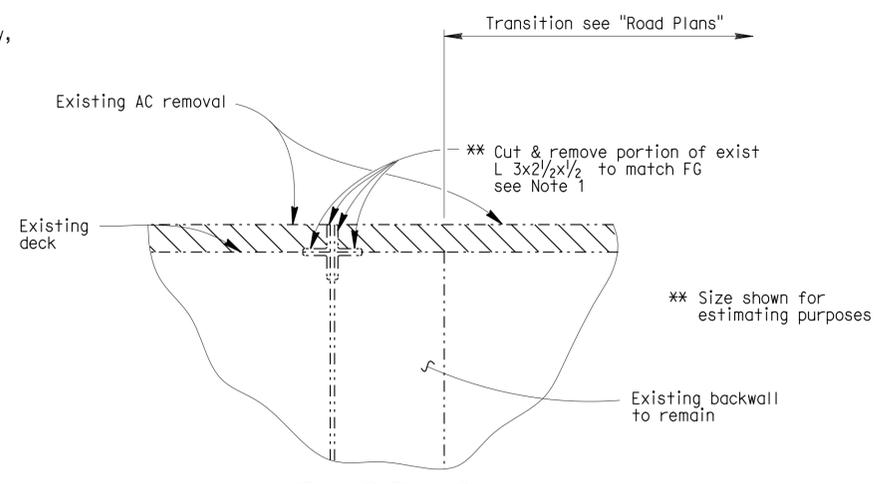


(NORTH BOUND LANES ONLY)
EXISTING



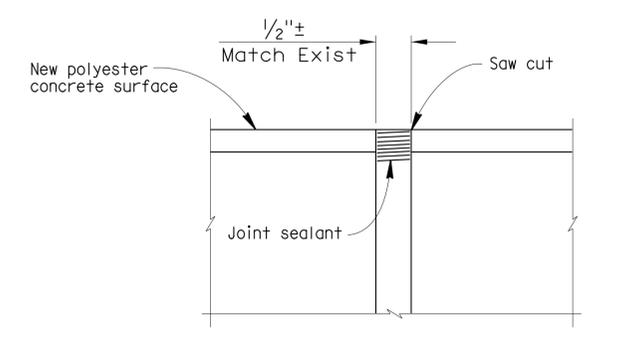
(TYPE A)
SECTION F-F
NO SCALE

(TYPE B)
SECTION G-G
NO SCALE



EXISTING

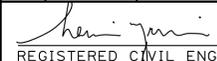
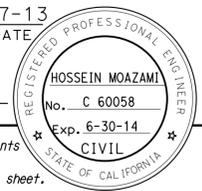
(NORTH BOUND LANES AND SIDEWALK)
ABUTMENT 9 JOINT DETAIL
NO SCALE

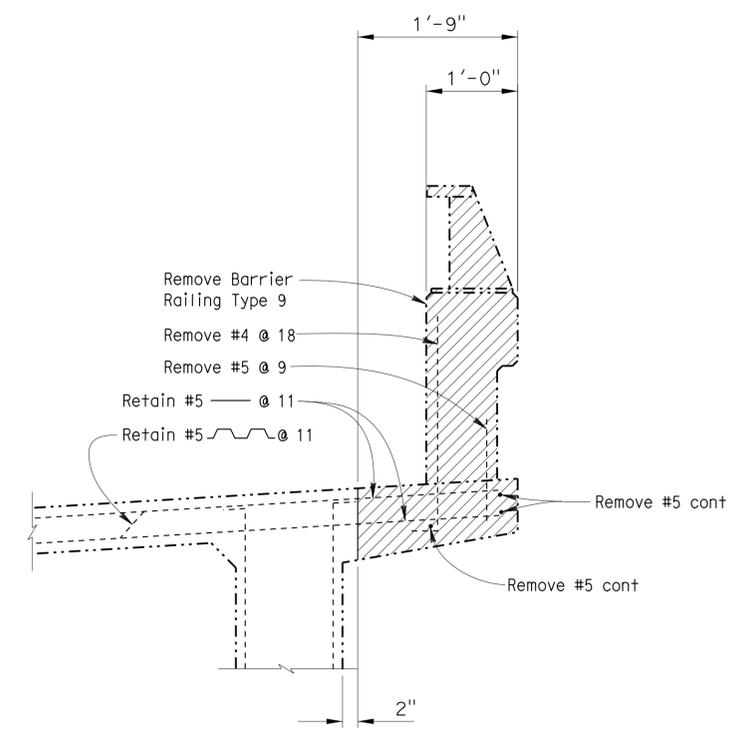


DECK JOINT SEAL REPLACEMENT DETAIL
NO SCALE

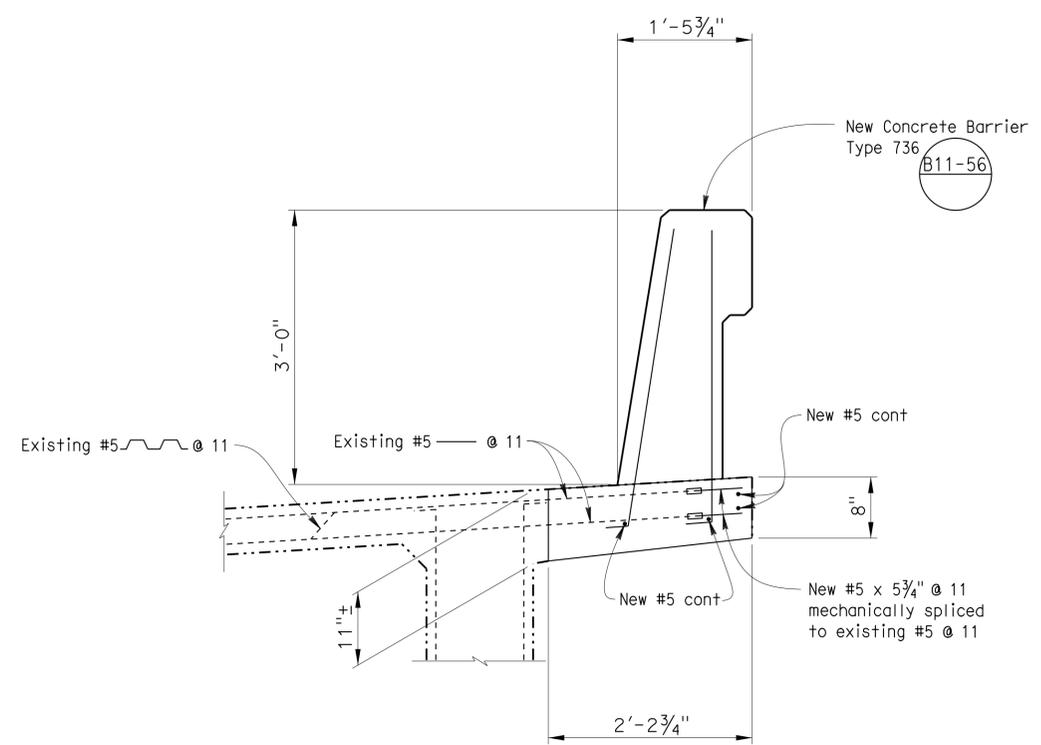
NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DESIGN	BY H. Moazami	CHECKED C. Hutchinson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 5, 44, 151, 273, 299 BRIDGES MISCELLANEOUS DETAILS
DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson			VARIOUS	
QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson			VARIES	
STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3488	PROJECT NUMBER & PHASE: 0200020318 1	CONTRACT NO.: 02-4E5301
				DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 13 OF 16

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	72	74
 REGISTERED CIVIL ENGINEER			1-7-13	DATE	
4-29-13 PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					

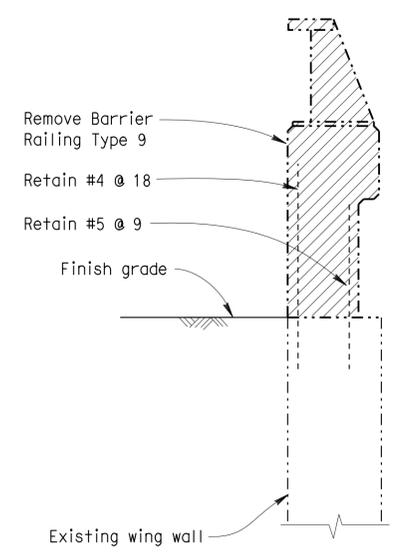


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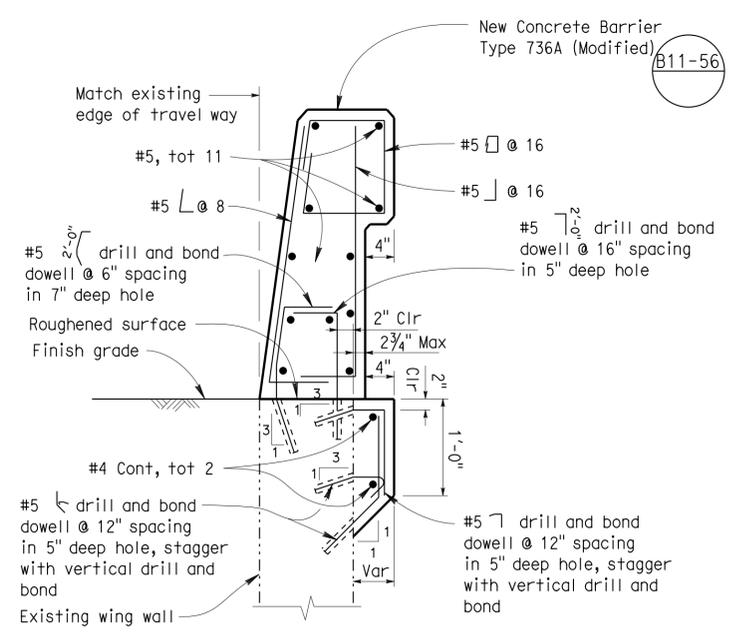


RECONSTRUCTION

DETAIL A
TURNTABLE BAY ROAD UNDERCROSSING
BR NO. 06-0130L
NO SCALE



EXISTING



RECONSTRUCTION

SECTION C-C
TURNTABLE BAY ROAD UNDERCROSSING
BR NO. 06-0130L
NO SCALE

DESIGN	BY H. Moazami	CHECKED C. Hutchinson
DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson
QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

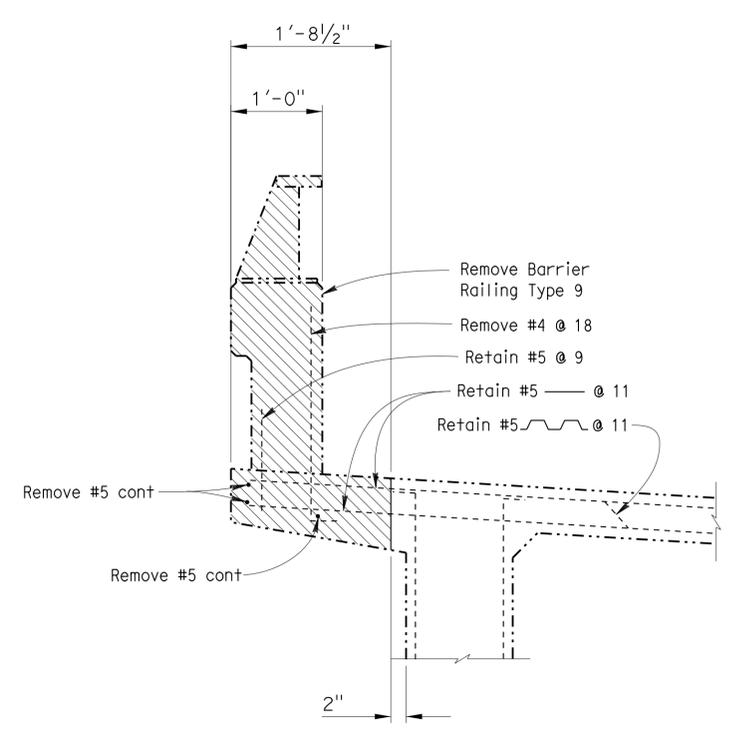
BRIDGE NO. VARIOUS
POST MILE VARIES
ROUTE 5, 44, 151, 273, 299 BRIDGES
BARRIER REPLACEMENT DETAILS NO. 1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	73	74

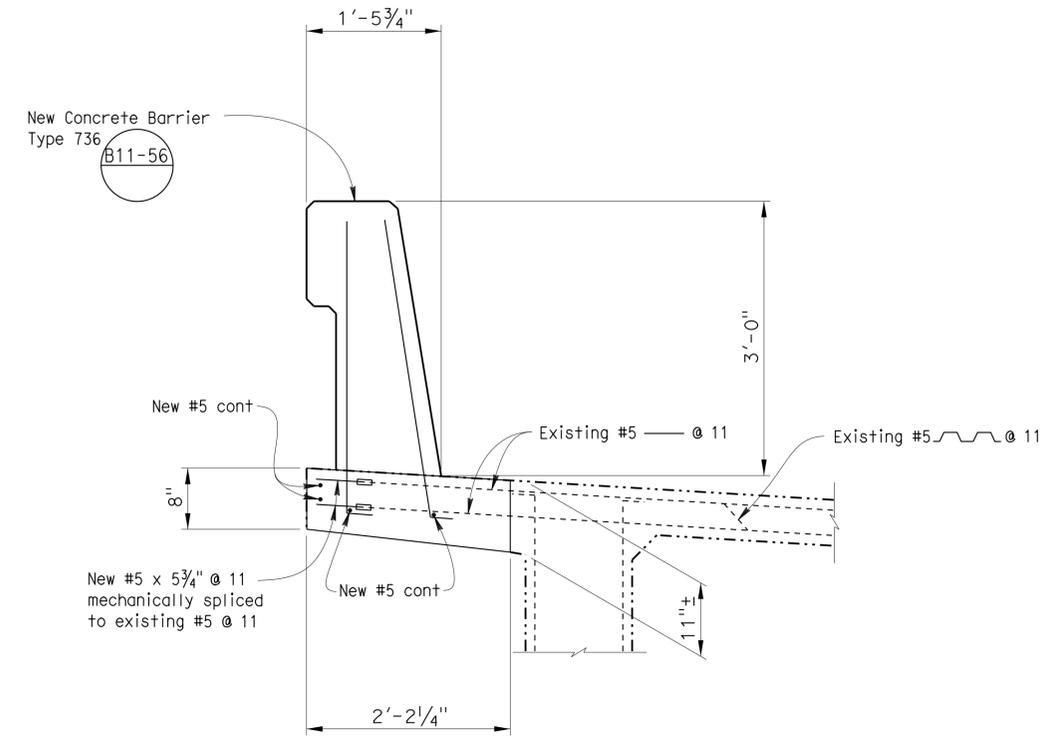
REGISTERED CIVIL ENGINEER *Hossein Moazami* 1-7-13 DATE
 4-29-13 PLANS APPROVAL DATE
 HOSSEIN MOAZAMI
 No. C 60058
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA
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NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of remove existing concrete.



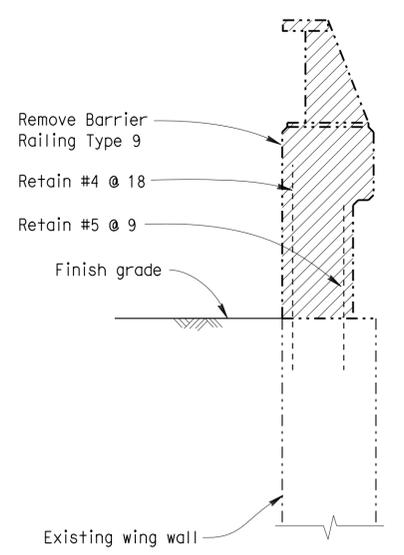
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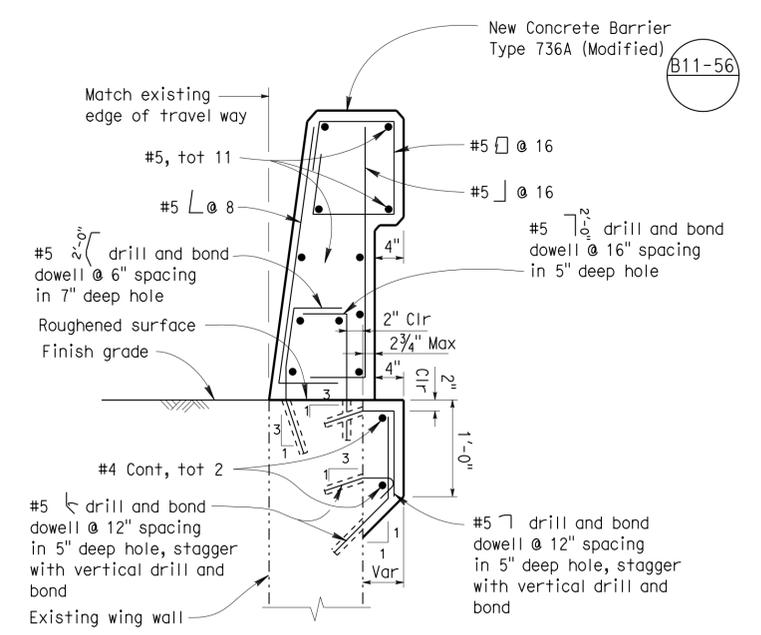
RECONSTRUCTION

DETAIL B

POWERLINE ROAD UNDERCROSSING
BR NO. 06-0147L
NO SCALE



EXISTING



RECONSTRUCTION

SECTION C-C

POWERLINE ROAD UNDERCROSSING
BR NO. 06-0147L
NO SCALE

DESIGN	BY H. Moazami	CHECKED C. Hutchinson
DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson
QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES
ROUTE 5, 44, 151, 273, 299 BRIDGES
BARRIER REPLACEMENT DETAILS NO. 2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha	Var	Var	74	74

1-7-13
 REGISTERED CIVIL ENGINEER DATE
 4-29-13
 PLANS APPROVAL DATE

HOSSEIN MOAZAMI
 No. C 60058
 Exp. 6-30-14
 CIVIL
 STATE OF CALIFORNIA

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JOINT SEAL TABLE							
BRIDGE NAME	BRIDGE NUMBER	LOCATION		MINIMUM "MR" (inches)	APPROXIMATE LENGTH (feet)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXPANSION JOINT (inches)
		Abutment	PN				
DESCHUTES ROAD UNDERCROSSING	06-0145R	Abut 1	PN	1/2	40	No	12.0
		Abut 4	PN	1/2	40	No	12.0
ANDERSON CREEK	06-0142L	Abut 1	PN	1/2	57	No	12.0
		Abut 6	PN	1/2	62	No	12.0
BALLS FERRY UNDERCROSSING	06-0140L	Abut 1	PN	1	42	No	12.0
		Abut 4	PN	1	42	No	12.0
BALLS FERRY UNDERCROSSING	06-0140R	Abut 1	PN	1	42	No	12.0
		Abut 4	PN	1	42	No	12.0
NORTH STREET UNDERCROSSING	06-0141L	Abut 1	PN	1	41	No	12.0
		Abut 4	PN	1	41	No	12.0
TORMEY DRAIN	06-0144R	Abut 1	PN	1/2	57	No	12.0
		Abut 4	PN	1/2	55	No	12.0
N273-N5 CONNECTOR	06-0137G	Abut 1	PN	**	41	Yes	6.0
		Abut 5	PN	**	41	Yes	6.0
WHISKEY CREEK	06-0096	Abut 1	BW	1 1/2	29	No	-
		Pier 2	H	2	29	No	-
		Pier 3	H	2	29	No	-
		Abut 4	BW	1 1/2	29	No	-
ROUTE 151/5 SEPARATION	06-0156	Abut 1	PN	**	71	No	12.0
		Abut 2	PN	**	59	No	12.0
CHURN CREEK	06-0153L	Abut 1	PN	1	45	No	12.0
		Abut 6	PN	1	40	No	12.0
CHURN CREEK	06-0153R	Abut 1	PN	1	40	No	12.0
		Abut 6	PN	1	40	No	12.0
SACRAMENTO RIVER BRIDGE	06-0014	Total 19		1/2	595	No	6.0
SACRAMENTO RIVER BRIDGE SOUTH BOUND LANES	06-0014	Abut 1	BW	*3 1/2	31	No	-
		Abut 9	BW	*3 1/2	31	No	-
SACRAMENTO RIVER BRIDGE NORTH BOUND LANES	06-0014	Abut 1	BW	1	31	No	-
		Abut 9	BW	1	31	No	-

The following note applies to JOINT SEAL TYPE A:

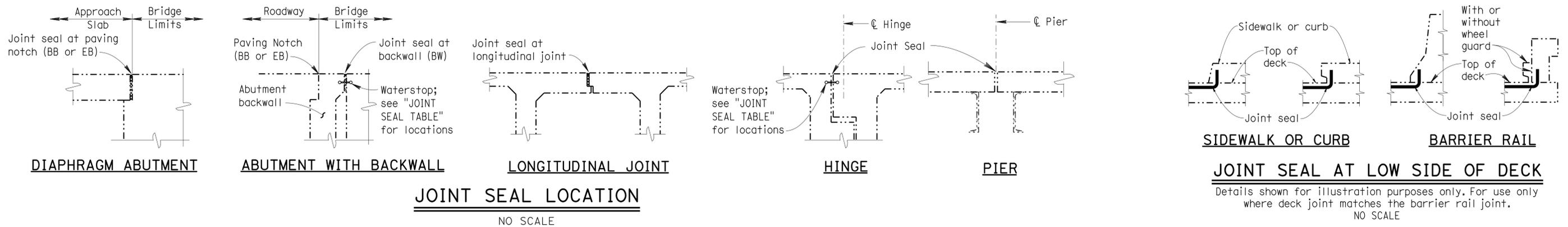
Install Type A joint seal 3" up into curb or rail on the low side of the deck where joint matches curb or rail joint. For details not shown see **B6-21**

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

DECK REPAIR TABLE REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)			
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
FIRST STREET OVERCROSSING	06-0016	2	3
FOURTH STREET OVERCROSSING	06-0037	2	3
KNIGHTON ROAD OVERCROSSING	06-0134	2	3
TURNTABLE BAY ROAD UNDERCROSSING	06-0130L	2	3
N5-E44 CONNECTOR OVERCROSSING	06-0099G	2	3
CHURN CREEK	06-0153L/R	2	3
ROUTE 151/5 SEPARATION	06-0156	2	3
N273-N5 CONNECTOR	06-0137G	2	3
HAWLEY ROAD UNDERCROSSING	06-0177L	2	3
CHURN CREEK	06-0043L	2	3
OLD OREGON TRAIL UNDERCROSSING	06-0178L	2	3
POWER LINE ROAD	06-0147L	2	3
SACRAMENTO RIVER BRIDGE	06-0014	2	3

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

LEGEND:
 BW = Backwall
 H = Hinge
 PN = Paving Notch
 * = Bonded Joint
 ** = Asphaltic Plug



DESIGN	BY H. Moazami	CHECKED C. Hutchinson
DETAILS	BY M. Hallstrom	CHECKED C. Hutchinson
QUANTITIES	BY H. Moazami	CHECKED C. Hutchinson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 5, 44, 151, 273, 299 BRIDGES
JOINT SEAL DETAILS