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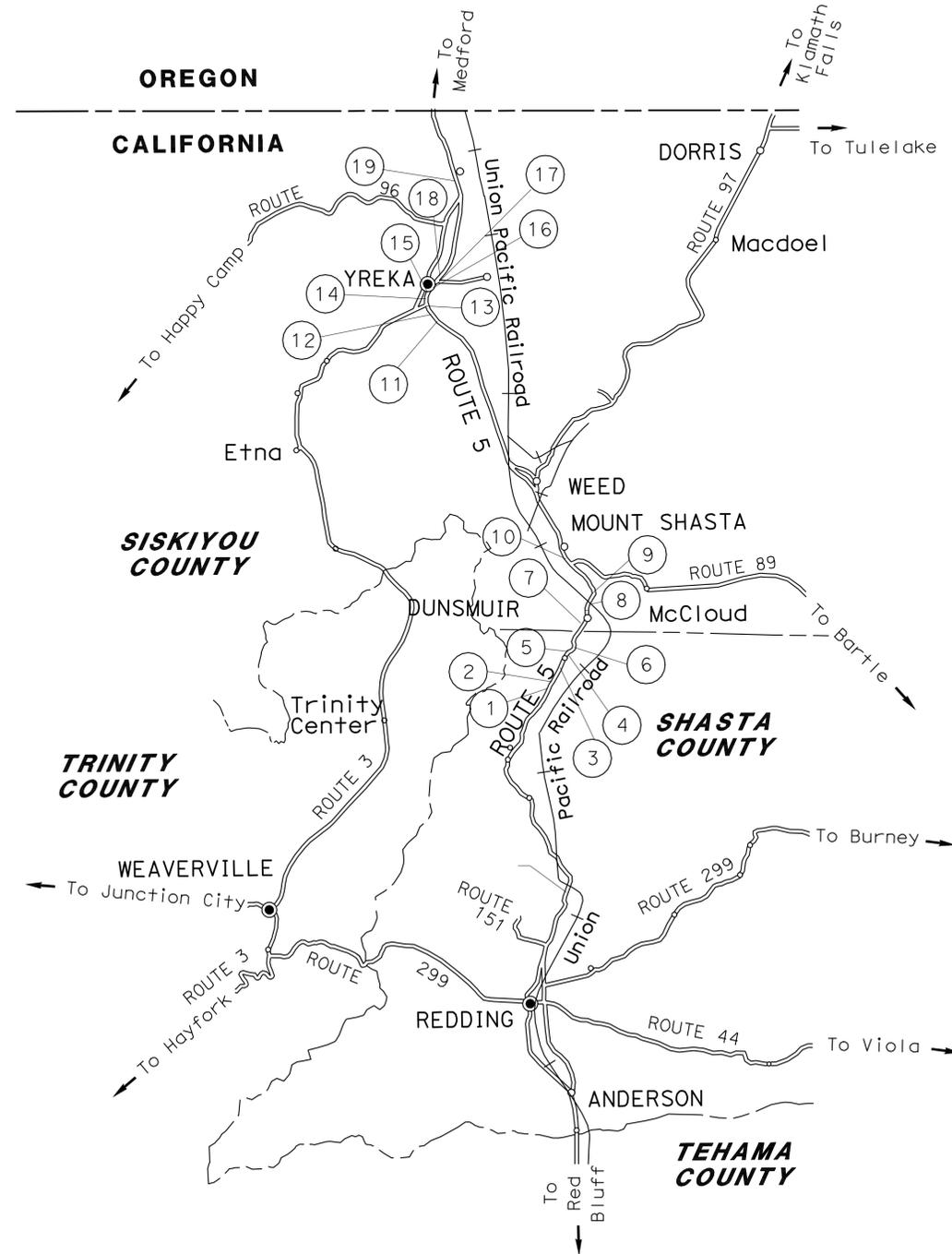
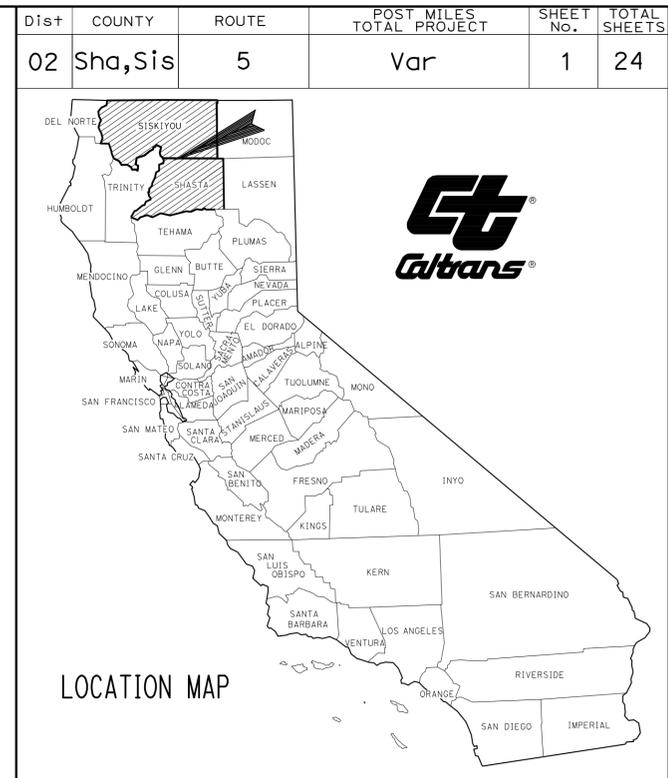
STRUCTURE PLANS

18-24	ROUTE 5 BRIDGES (NEW DECK OVERLAY AND JOINT SEALS)
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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA ACBHIM-000C(357)E
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SHASTA AND SISKIYOU COUNTIES
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

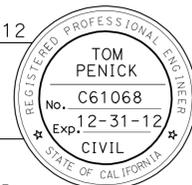


LOCATIONS OF CONSTRUCTION

No.	COUNTY	ROUTE	PM	BRIDGE No.	BRIDGE NAME
1	Sha	05	59.35	06-0112	FLUME CREEK ROAD UC
2	Sha	05	59.97	06-0113	CREEKSIDE UC
3	Sha	05	60.51	06-0114	CONANT ROAD UC
4	Sha	05	62.63	06-0120R	CASTELLA SIDEHILL VIADUCT
5	Sha	05	63.58	06-0117	CASTELLA UC
6	Sha	05	65.41	06-0119	SODA CREEK ROAD UC
7	Sis	05	0.69	02-0065	SOUTH DUNSMUIR UC
8	Sis	05	2.09	02-0078	WILLOW STREET UC
9	Sis	05	3.84	02-0171	DUNSMUIR AVENUE UC
10	Sis	05	R8.79	02-0128K	SOUTH MT SHASTA OC
11	Sis	05	R45.62	02-0159L	MOONLIT OAKS AVENUE UC
12	Sis	05	R45.62	02-0159R	MOONLIT OAKS AVENUE UC
13	Sis	05	R46.49	02-0138L	OBERLIN ROAD UC
14	Sis	05	R46.49	02-0138R	OBERLIN ROAD UC
15	Sis	05	R46.79	02-0143	YREKA CREEK
16	Sis	05	R47.56	02-0158L	MINER STREET UC
17	Sis	05	R47.56	02-0158R	MINER STREET UC
18	Sis	05	R48.23	02-0150L	NORTH YREKA SEPARATION
19	Sis	05	R61.55	02-0174	HENLEY WAY UC

NO SCALE

Thomas Penick 07-16-12
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER



December 24, 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.

CONTRACT No.	02-3E6504
PROJECT ID	0200020070

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

P:\pro\11\02\3E6504\plans\pse\23e650ab001.dgn

PROJECT MANAGER ERIC AKANA	DESIGN ENGINEER JULIE CASEY
--------------------------------------	---------------------------------------

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	5	Var	2	24

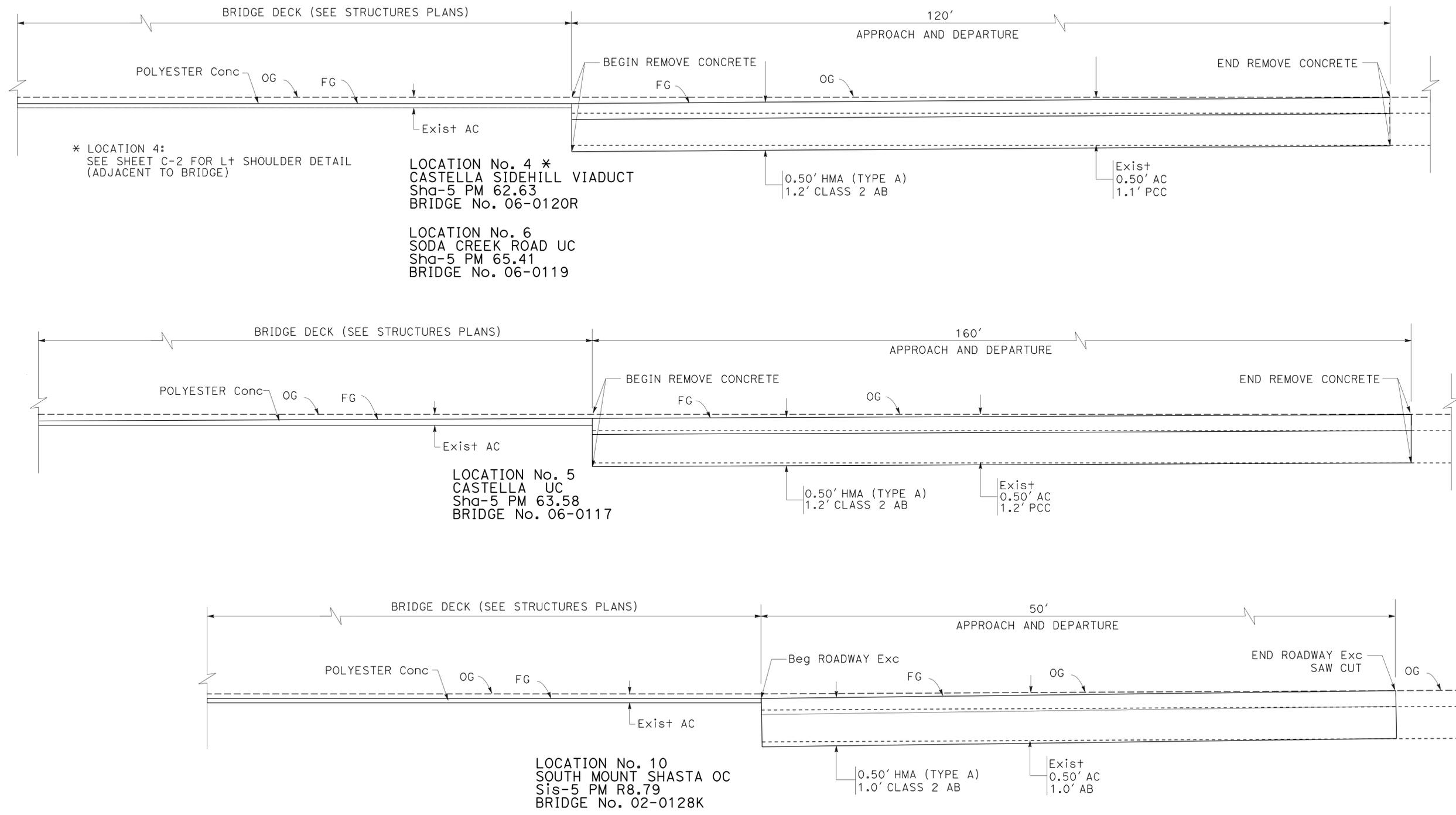
<i>Thomas Penick</i> 07-16-12 REGISTERED CIVIL ENGINEER DATE	
12-24-12 PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER TOM PENICK No. C61068 Exp. 12-31-12 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:**
- DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
 - SEE GENERAL PLANS FOR DETAILS NOT SHOWN.
 - PLACE POLYESTER Conc PRIOR TO HMA CONFORM.

ABBREVIATIONS:
 CPACP COLD PLANE AC PAVEMENT



* LOCATION 4:
 SEE SHEET C-2 FOR L+ SHOULDER DETAIL
 (ADJACENT TO BRIDGE)

LOCATION No. 4 *
 CASTELLA SIDEHILL VIADUCT
 Sha-5 PM 62.63
 BRIDGE No. 06-0120R

LOCATION No. 6
 SODA CREEK ROAD UC
 Sha-5 PM 65.41
 BRIDGE No. 06-0119

LOCATION No. 5
 CASTELLA UC
 Sha-5 PM 63.58
 BRIDGE No. 06-0117

LOCATION No. 10
 SOUTH MOUNT SHASTA OC
 Sis-5 PM R8.79
 BRIDGE No. 02-0128K

HMA CONFORM DETAILS

CONSTRUCTION DETAILS
 NO SCALE

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 FUNCTIONAL SUPERVISOR: JULIE CASEY
 CHECKED BY: STEVE ALAWAR
 REVISIONS: (None shown)
 TYPED BY: TOM PENICK
 DATE: 07-16-12
 PROJECT: 02000200701

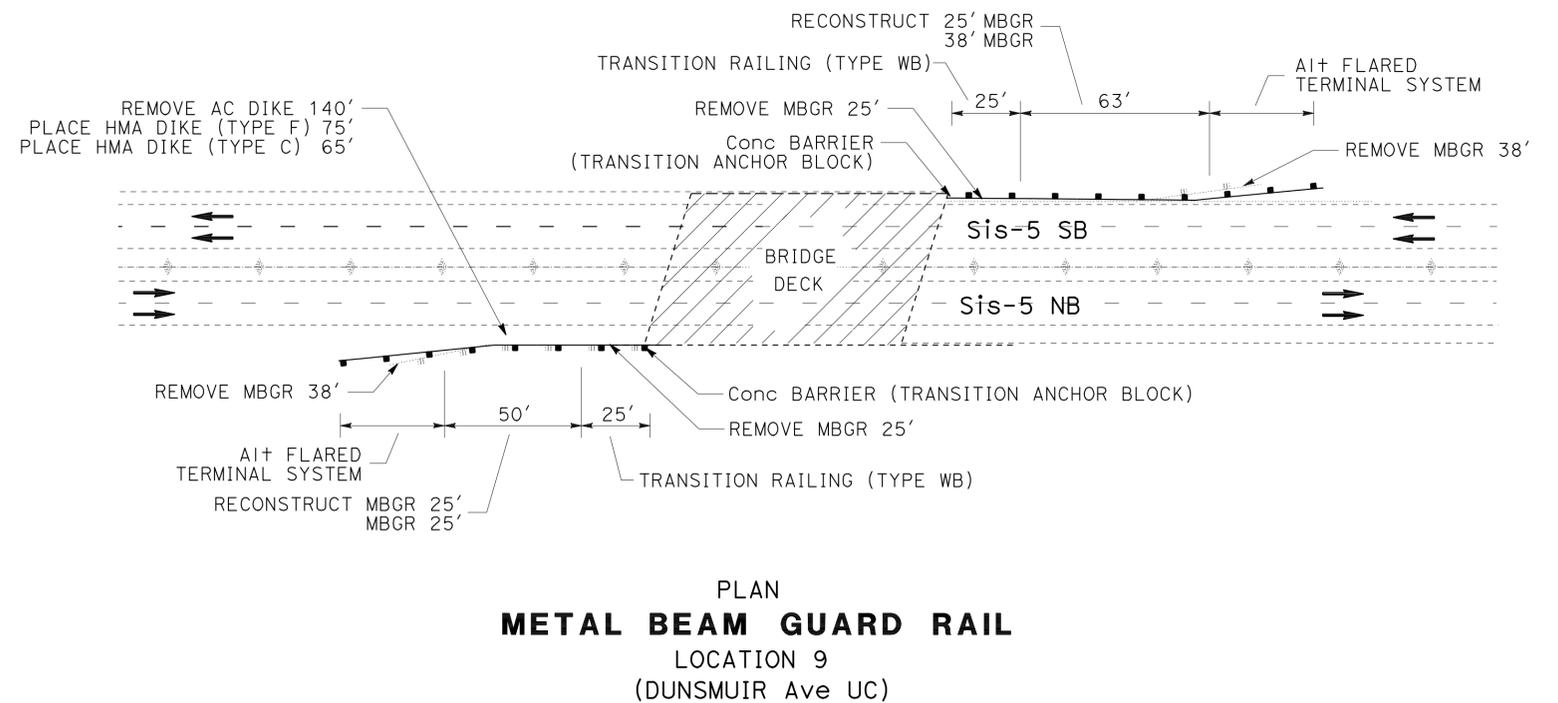
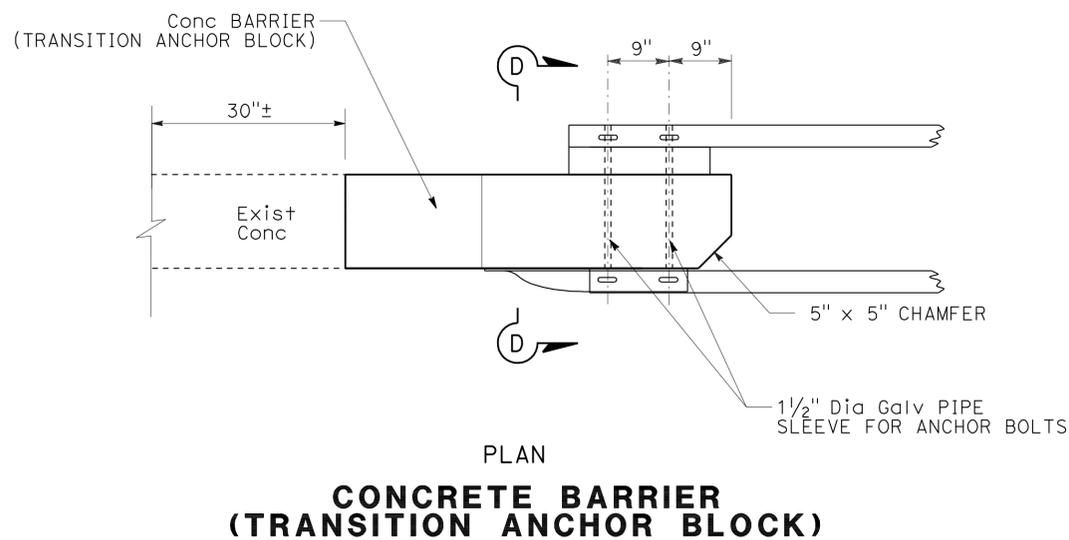
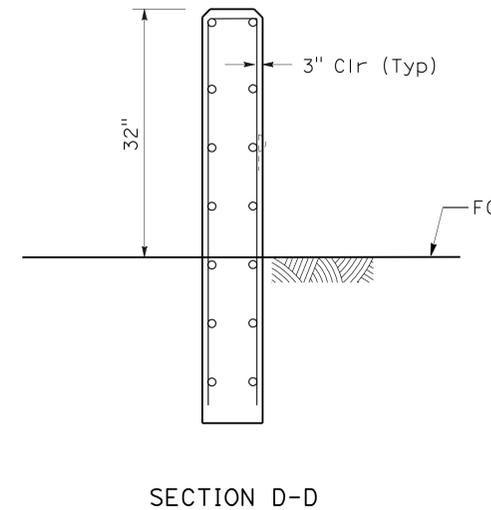
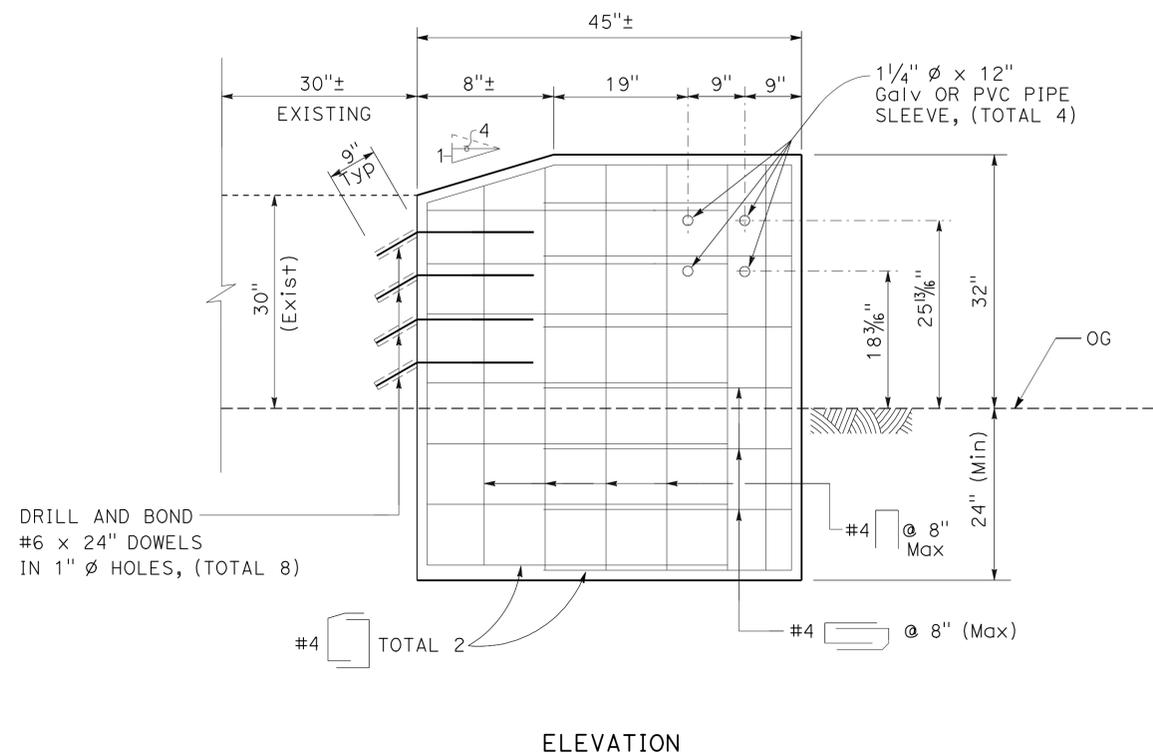
LAST REVISION DATE PLOTTED => 26-DEC-2012
 07-02-12 TIME PLOTTED => 11:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	5	Var	4	24

Thomas Penick 07-16-12
 REGISTERED CIVIL ENGINEER DATE
 12-24-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 TOM PENICK
 No. C61068
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

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LOCATION 9
CONSTRUCTION DETAILS
 NO SCALE
C-3

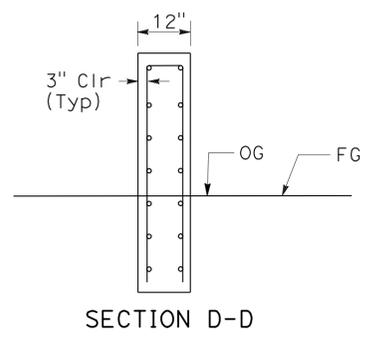
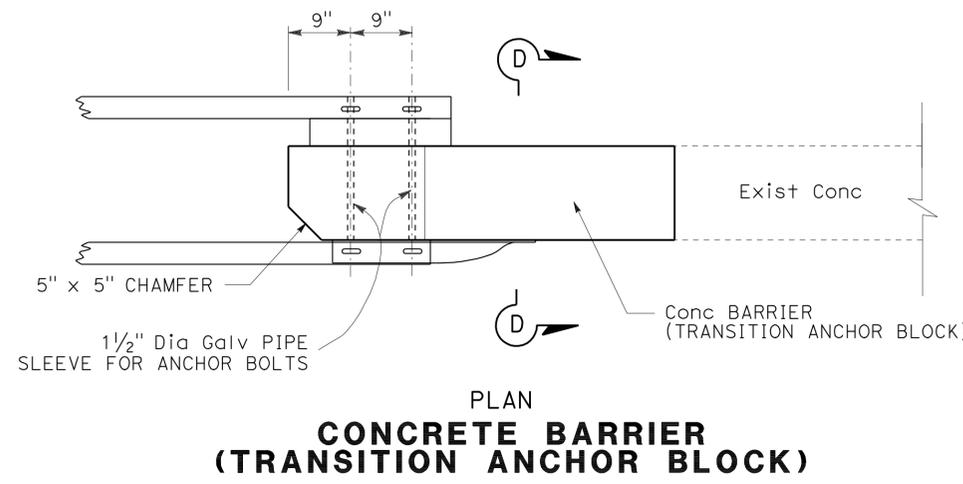
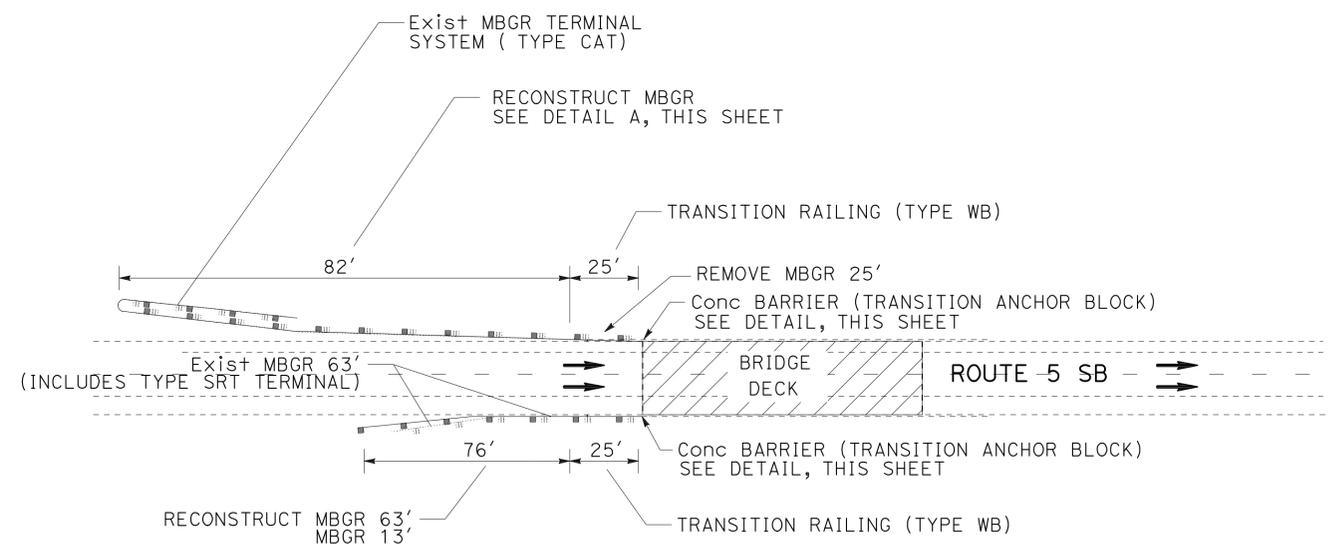
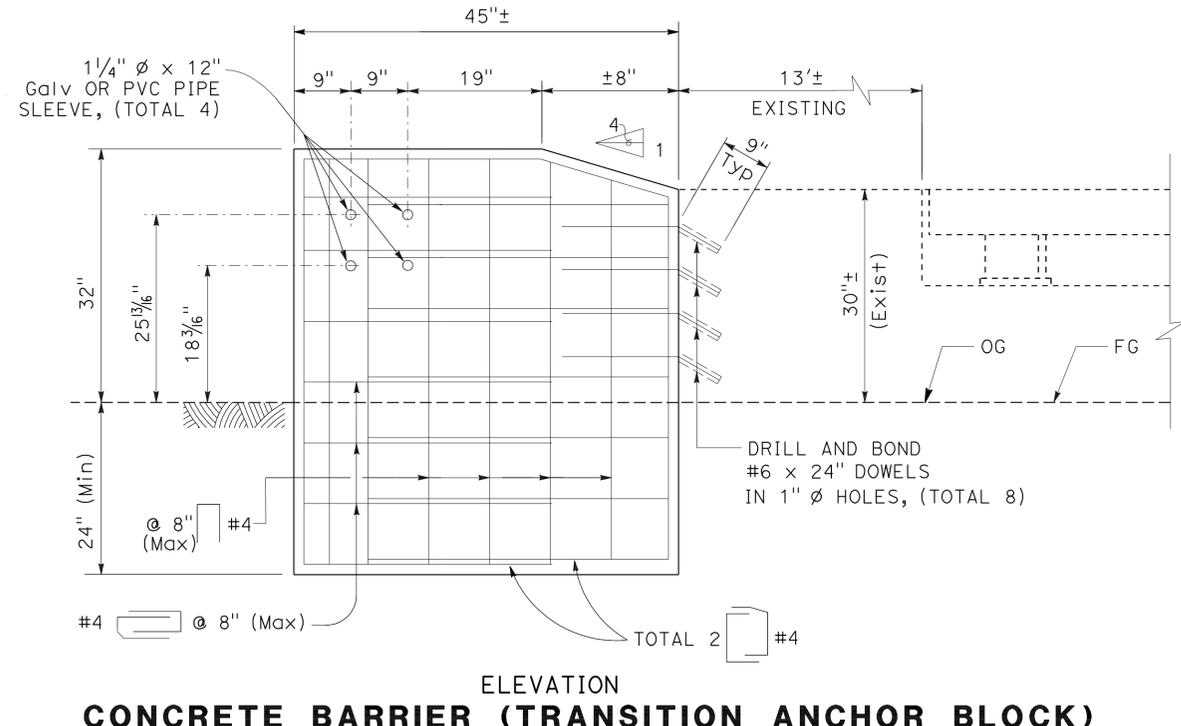
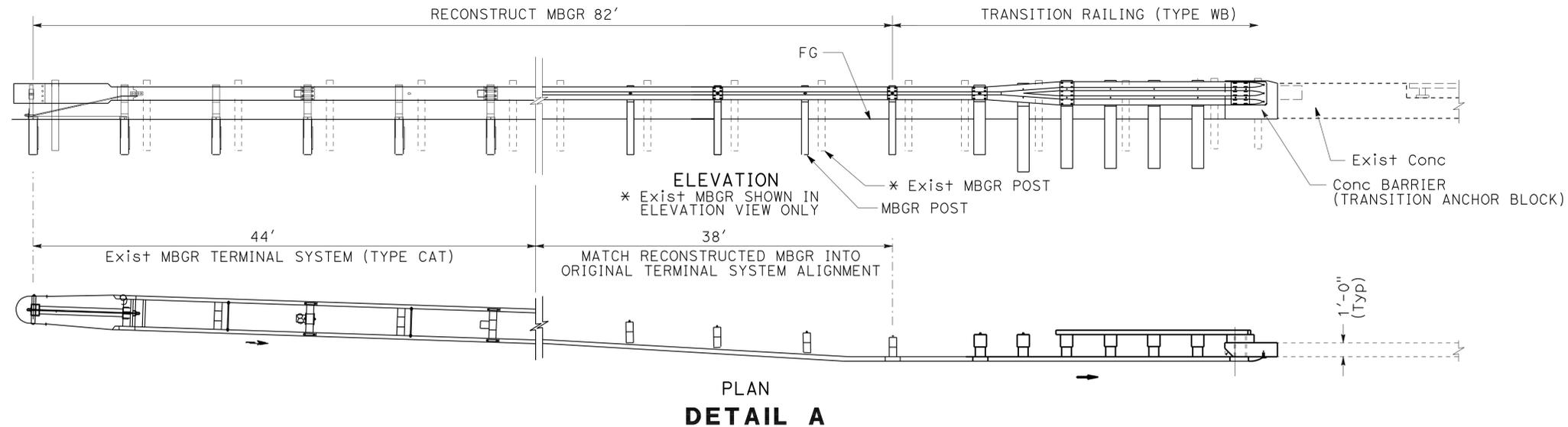
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 FUNCTIONAL SUPERVISOR: JULIE CASEY
 TOM PENICK
 REVISOR: STEVE ALAWAR
 DATE: 12-24-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	5	Var	6	24

Thomas Penick 07-16-12
 REGISTERED CIVIL ENGINEER DATE
 12-24-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 TOM PENICK
 No. C61068
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

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LOCATION 19
CONSTRUCTION DETAILS
 NO SCALE
C-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION DESIGN
 FUNCTIONAL SUPERVISOR: JULIE CASEY
 CALCULATED/DESIGNED BY: [blank]
 CHECKED BY: [blank]
 TOM PENICK
 STEVE ALAWAR
 REVISED BY: [blank] DATE REVISED: [blank]

LAST REVISION DATE PLOTTED => 26-DEC-2012 07-02-12 TIME PLOTTED => 11:15

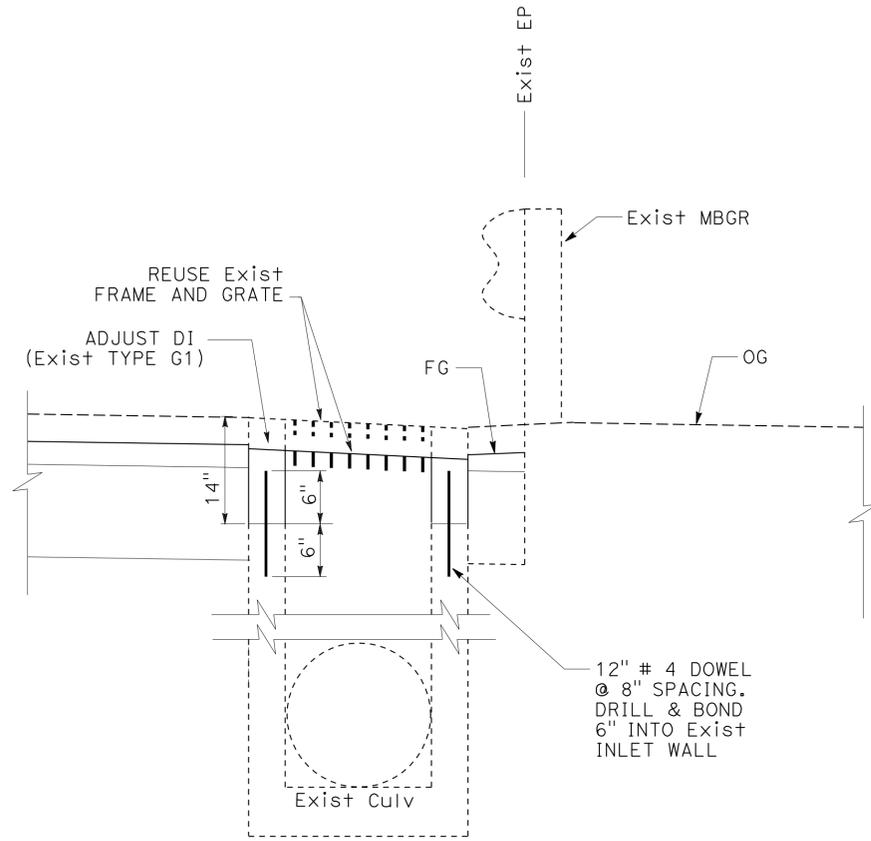
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	5	Var	7	24

Thomas Penick 07-16-12
 REGISTERED CIVIL ENGINEER DATE
 12-24-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 TOM PENICK
 No. C61068
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

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CALCULATED/DESIGNED BY	DESIGNED BY	FUNCTIONAL SUPERVISOR	DESIGNATION
CHECKED BY	CHECKED BY	JULIE CASEY	DESIGN
REVISOR	REVISOR	TOM PENICK	DESIGN
DATE	DATE	STEVE ALAWAR	DESIGN



ADJUST DRAINAGE INLET (TYPE G1)

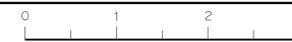
LOCATION No. 6, Rt SIDE

SODA CREEK ROAD UC
 Sta-5 PM 65.41
 BRIDGE No. 06-0119
 (NB BRIDGE APPROACH)

DRAINAGE DETAILS

NO SCALE

DD-1



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 JULIE CASEY
 TOM PENICK
 STEVE ALAWAR
 REVISOR BY DATE
 REVISOR BY DATE

NOTES:

1. EXACT LOCATION OF ALL SIGNS TO BE DETERMINED BY THE ENGINEER.
2. ALL SIGNS SHALL BE BLACK ON ORANGE EXCEPT C40 (CA), WHICH IS BLACK ON WHITE.
3. CALIFORNIA CODES ARE DESIGNATED BY (CA), OTHERWISE FEDERAL CODES ARE SHOWN.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	5	Var	9	24

Thomas Penick 07-16-12
 REGISTERED CIVIL ENGINEER DATE

12-24-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 TOM PENICK
 No. C61068
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

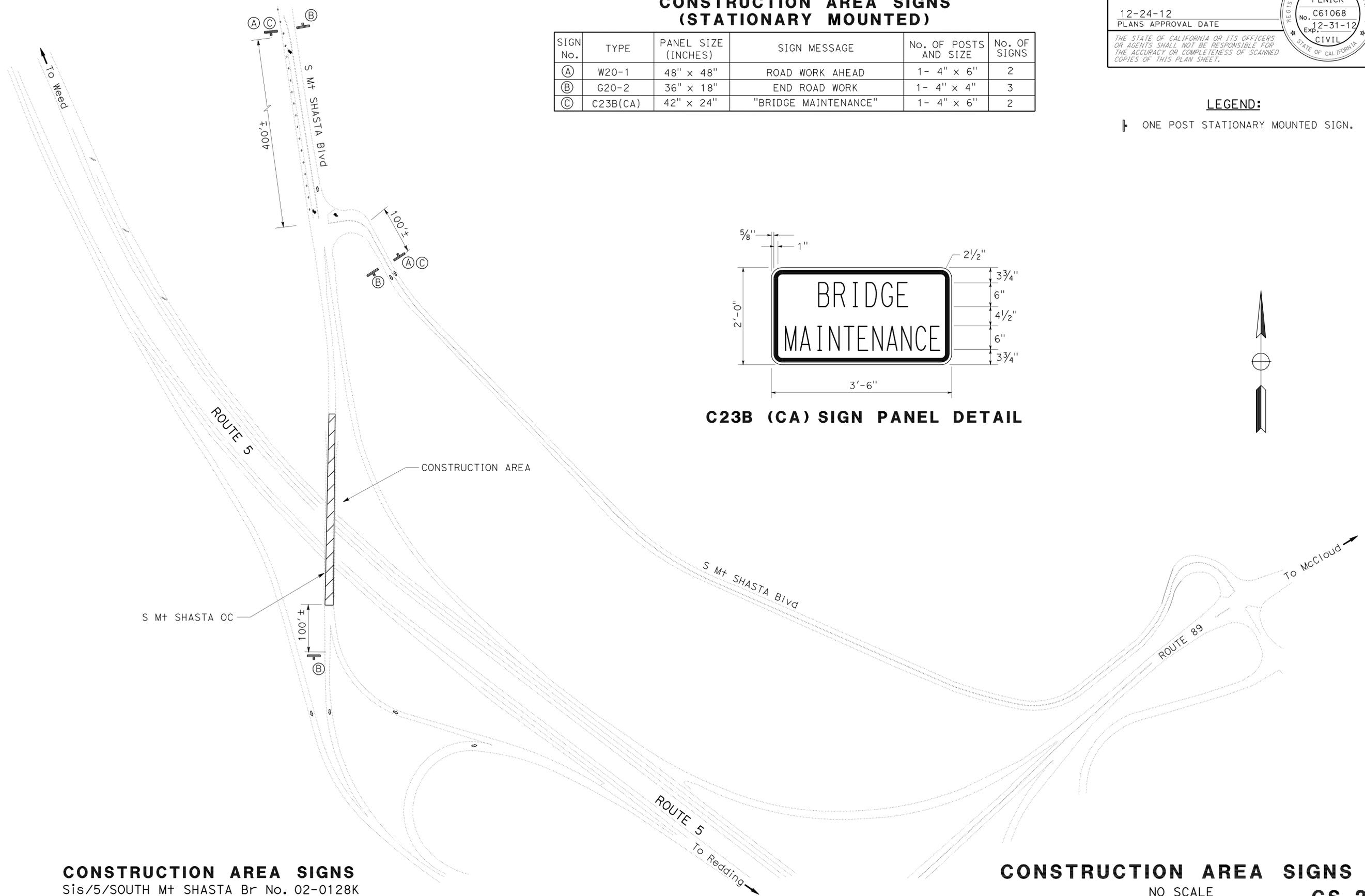
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**CONSTRUCTION AREA SIGNS
 (STATIONARY MOUNTED)**

SIGN No.	TYPE	PANEL SIZE (INCHES)	SIGN MESSAGE	No. OF POSTS AND SIZE	No. OF SIGNS
(A)	W20-1	48" x 48"	ROAD WORK AHEAD	1- 4" x 6"	2
(B)	G20-2	36" x 18"	END ROAD WORK	1- 4" x 4"	3
(C)	C23B(CA)	42" x 24"	"BRIDGE MAINTENANCE"	1- 4" x 6"	2

LEGEND:

⊥ ONE POST STATIONARY MOUNTED SIGN.



C23B (CA) SIGN PANEL DETAIL

CONSTRUCTION AREA SIGNS
 Sis/5/SOUTH Mt SHASTA Br No. 02-0128K

CONSTRUCTION AREA SIGNS
 NO SCALE
CS-2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	5	Var	10	24

Thomas Penick 07-16-12
 REGISTERED CIVIL ENGINEER DATE
 12-24-12
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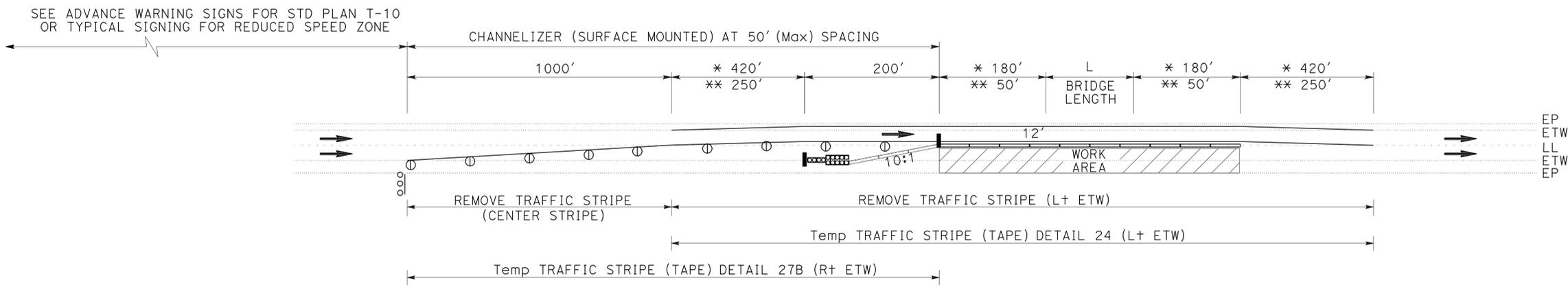
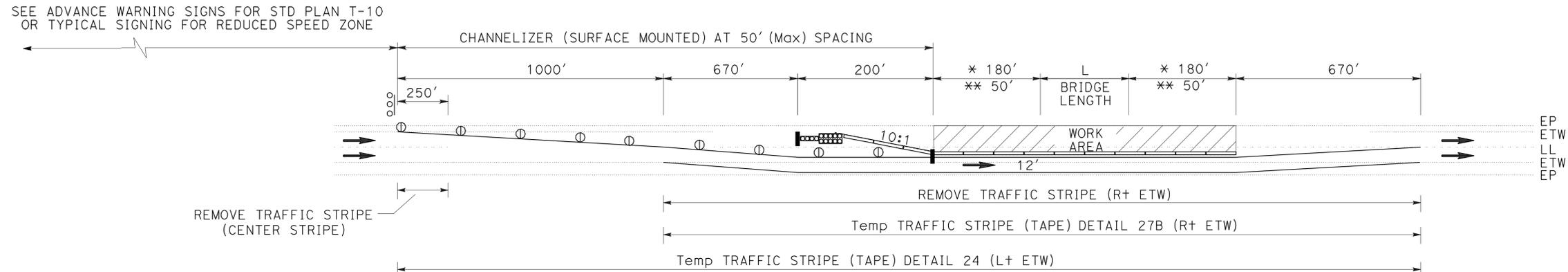
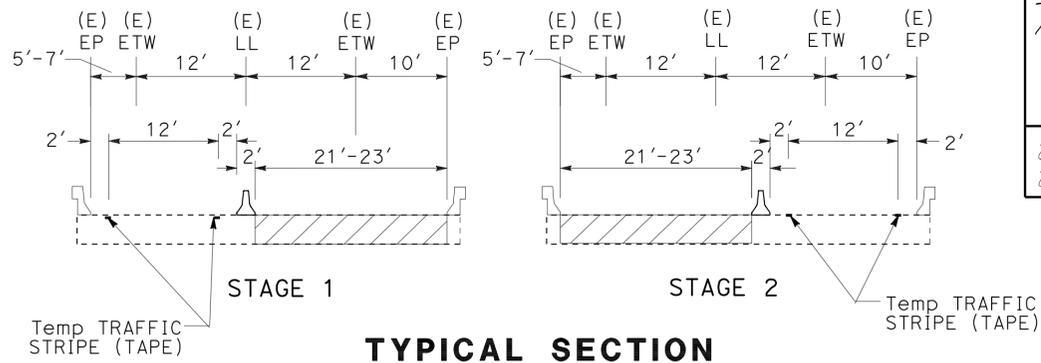
REGISTERED PROFESSIONAL ENGINEER
 TOM PENICK
 No. C61068
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

NOTES:

1. EXACT LOCATION OF ALL SIGNS TO BE DETERMINED BY THE ENGINEER.
2. CALIFORNIA SIGN CODES ARE DESIGNATED BY (CA), OTHERWISE FEDERAL SIGN CODES ARE SHOWN.
3. TEMPORARY RAILING (TYPE K) SHALL BE PINNED WHEN LESS THAN 1' FROM EDGE OF EXCAVATION.
4. SEE STANDARD PLAN T-10 FOR TRAFFIC CONTROL DETAILS NOT SHOWN.

LEGEND:

- WORK AREA
- TEMPORARY RAILING (TYPE K)
- TEMPORARY RAILING (TYPE K)
- TRAFFIC DIRECTION
- TEMPORARY CRASH CUSHION MODULE (ARRAY TS14)
- TYPE P MARKER
- CHANNELIZER (SURFACE MOUNTED)
- FLASHING ARROW SIGN



TEMPORARY STRIPING AND TYPE K RAILING LAYOUT

- * CASTELLA SIDEHILL VIADUCT Br No. 06-0120R L=104'
- * CASTELLA UC Br No. 06-0117 (NB & SB) L=125'
- * SODA CREEK ROAD UC Br No. 06-0119 (NB & SB) L=125'
- ** HENLEY WAY UC Br No. 02-0174L L=98'

TRAFFIC HANDLING PLAN

NO SCALE

TH-1

REVISOR	DATE	REVISION
TOM PENICK		
STEVE ALAWAR		
CALCULATED/DESIGNED BY	CHECKED BY	
JULIE CASEY		
FUNCTIONAL SUPERVISOR		
DESIGN		
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	5	Var	11	24

Thomas Penick 07-16-12
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TRAFFIC HANDLING QUANTITIES

Loc	ROUTE/COUNTY	PM	Br No.	NORTHBOUND/SOUTHBOUND	BRIDGE NAME	STAGE	TEMPORARY TRAFFIC STRIPE (TAPE)	CHANNELIZER (SURFACE MOUNTED)	TEMPORARY RAILING (TYPE K)	TEMPORARY CRASH CUSHION MODULE	REMOVE THERMOPLASTIC TRAFFIC STRIPE	OBJECT MARKER (TYPE P)	NOTES
							LF	EA	LF	EA	LF	EA	
4	5/Sha	62.63	06-0120R	NB	CASTELLA SIDEHILL VIADUCT	1	3124	33	640	14	1754	1	
						2	5008	38	640	14	2067	1	
5	5/Sha	63.58	06-0117	SB	CASTELLA UC	1	3145	33	660	14	1775	1	
						2	5050	38	660	14	2088	1	
5	5/Sha	63.58	06-0117	NB	CASTELLA UC	1	3145	33	660	14	1775	1	
						2	5050	38	660	14	2088	1	
6	5/Sha	65.41	06-0119	SB	SODA CREEK ROAD UC	1	3145	33	660	14	1775	1	
						2	5050	38	660	14	2088	1	
6	5/Sha	65.41	06-0119	NB	SODA CREEK ROAD UC	1	3145	33	660	14	1775	1	
						2	5050	38	660	14	2088	1	
10	5/Sis	8.79	02-0128K		SOUTH M+ SHASTA OC			17					FROM DETOUR PLAN
19	5/Sis	61.55	02-0174L	SB	HENLEY WAY UC	1	2375	30	400	14	1175	1	
						2	4530	38	400	14	1828	1	
TOTAL							47,817	440	7360	168	22,276	12	

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

TRAFFIC HANDLING QUANTITIES THQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: JULIE CASEY
 TOM PENICK
 STEVE ALAWAR
 REVISIONS: REVISION BY DATE
 REVISION BY DATE

LAST REVISION DATE PLOTTED => 26-DEC-2012
 07-02-12 TIME PLOTTED => 11:15

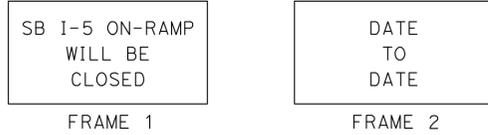
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	5	Var	12	24

Thomas Penick 07-16-12
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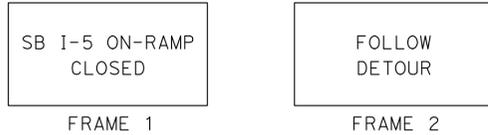
REGISTERED PROFESSIONAL ENGINEER
 TOM PENICK
 No. C61068
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

NOTES:

1. PRE-NOTIFICATION PCMS: PLACE NEAR RAMP AND ACTIVATE APPROXIMATELY 7 DAYS PRIOR TO RAMP CLOSURE.



2. 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.

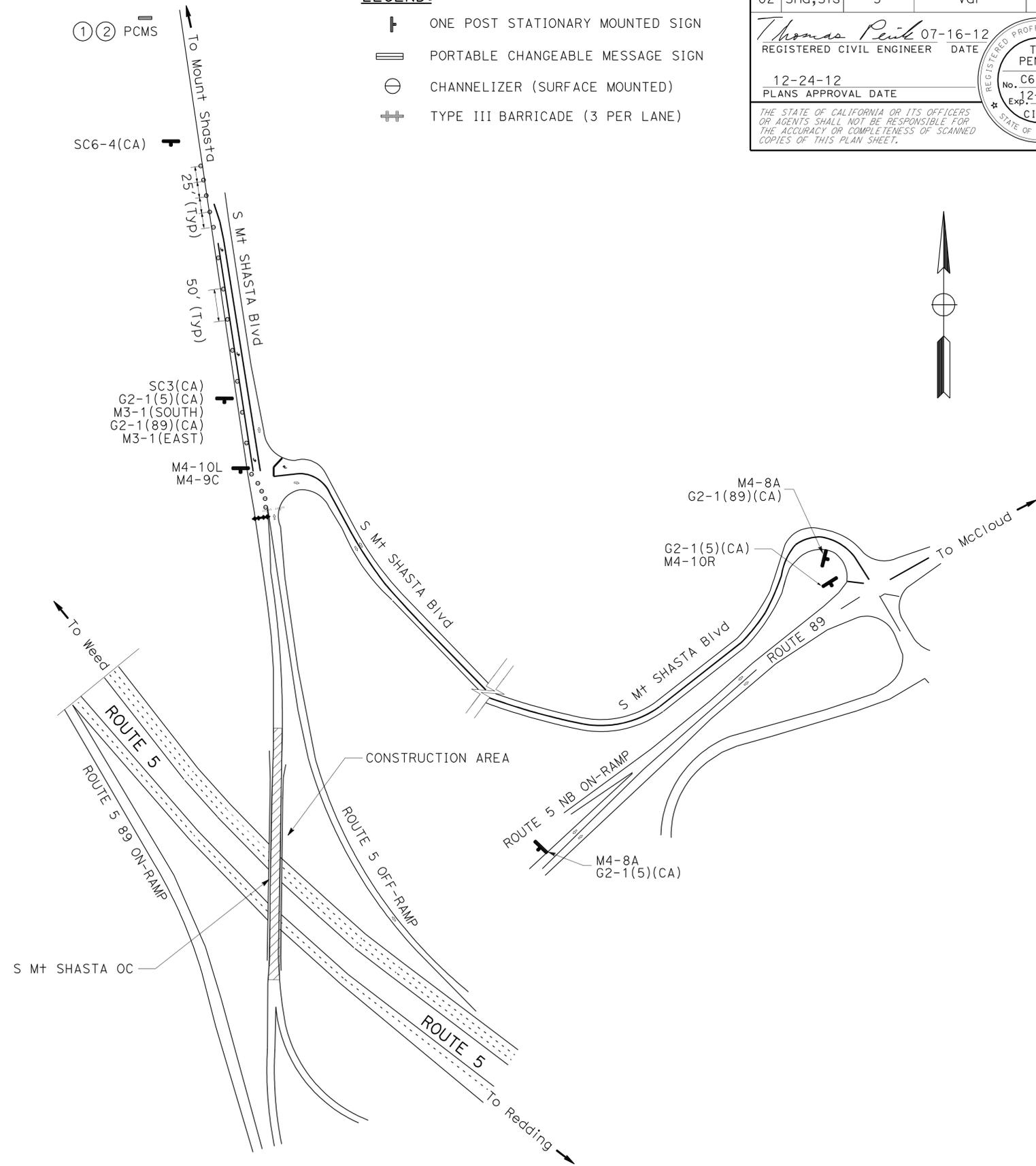
5. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED) (DETOUR)

CODE	PANEL SIZE	SIGN MESSAGE	No. OF SIGNS	No. OF POSTS AND SIZE
SC6-4(CA)	48" x 48"	RAMP CLOSED - DATE TO DATE	1	1- 4" x 6"
G2-1(5)(CA)	24" x 24"	ROUTE SHIELD (5)	3	1- 4" x 4"
G2-1(89)(CA)	24" x 24"	ROUTE SHIELD (89)	2	1- 4" x 4"
M3-1	24" x 12"	DIRECTION (SOUTH)	1	1- 4" x 4"
M3-1	24" x 12"	DIRECTION (EAST)	1	1- 4" x 4"
M4-10L	48" x 18"	DETOUR (L+ ARROW)	1	1- 4" x 6"
M4-10R	48" x 18"	DETOUR (R+ ARROW)	1	1- 4" x 6"
SC3(CA)	48" x 18"	DETOUR WITH UP ARROW	1	1- 4" x 6"
M4-9C	30" x 24"	DETOUR (BICYCLE-L+ ARROW)	1	1- 4" x 4"
M4-8A	24" x 18"	END DETOUR	2	

LEGEND:

- ONE POST STATIONARY MOUNTED SIGN
- PORTABLE CHANGEABLE MESSAGE SIGN
- CHANNELIZER (SURFACE MOUNTED)
- TYPE III BARRICADE (3 PER LANE)



DETOUR FOR CLOSURE OF SOUTH Mt SHASTA OVERCROSSING (ON RAMP TO 89 EAST AND ROUTE 5 SOUTH)

**LOCATION 10
DETOUR PLAN**
NO SCALE

DE-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 JULIE CASEY
 FUNCTIONAL SUPERVISOR
 TOM PENICK
 STEVE ALAWAR
 REVISOR
 DATE REVISOR
 DATE REVISOR
 DATE REVISOR

Caltrans
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 DESIGN
 JULIE CASEY
 FUNCTIONAL SUPERVISOR
 TOM PENICK
 STEVE ALAWAR
 REVISOR
 DATE REVISOR
 DATE REVISOR
 DATE REVISOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	5	Var	13	24

Thomas Penick 07-16-12
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 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
TOM PENICK
 No. C61068
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 CIVIL
 STATE OF CALIFORNIA

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NOTES:

1. REPLACE STRIPING TO MATCH EXISTING STRIPING PATTERN AND LOCATION.
2. REPLACE EXISTING SHOULDER RUMBLE STRIP TO MATCH EXISTING LOCATIONS.

MBGR QUANTITIES

Loc	Rte	PM	BRIDGE No.	LOCATION	SIDE	REMOVE MBGR		RECONSTRUCT MBGR		TRANSITION RAILING (TYPE WB)	ALT FLARED TERMINAL SYSTEM	TREATED WOOD WAYS
						LF	EA	LF	EA			
9	5	3.84	02-0171	DUNSMUIR AVENUE UC	L+	63	25	38	1	1	954	
					R+	63	25	25	1	1	954	
10	5	8.79	02-0128K	S MOUNT SHASTA OC	L+	70	-	50	1	1	1060	
					R+	63	-	50	1	1	954	
19	5	61.55	02-0174R	HENLEY WAY UC	L+	25	82	-	1	-	378	
					R+	-	63	13	1	-	-	
TOTAL						284	195	176	6	4	4300	

TRAFFIC STRIPE QUANTITIES

Loc	Rte/Co	PM	BRIDGE No.	NB/SB	LOCATION	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)					PAVEMENT MARKER (RETROREFLECTIVE RECESSED)	
						DETAIL 11	DETAIL 12	DETAIL 24	DETAIL 25	DETAIL 27B	TYPE-G	TYPE-H
							LF	LF	LF	LF	EA	EA
1	5/Sha	59.35	06-0112	SB	FLUME CREEK ROAD UC	100	100	100	100	200	2	2
1	5/Sha	59.35	06-0112	NB	FLUME CREEK ROAD UC	100	100	100	100	200	2	2
2	5/Sha	59.97	06-0113	SB	CREEKSIDE UC	123	100	123	100	223	2	2
2	5/Sha	59.97	06-0113	NB	CREEKSIDE UC	123	100	123	100	223	2	2
3	5/Sha	60.51	06-0114	SB	CONANT ROAD UC	116	100	116	100	216	2	2
3	5/Sha	60.51	06-0114	NB	CONANT ROAD UC	116	100	116	100	216	2	2
4	5/Sha	62.63	06-0120R	NB	CASTELLA SIDEHILL VIADUCT	104	1490	104	1400	2004	32	30
5	5/Sha	63.58	06-0117	SB	CASTELLA UC	125	1570	125	1400	2025	33	30
5	5/Sha	63.58	06-0117	NB	CASTELLA UC	125	1570	125	1400	2025	33	30
6	5/Sha	65.41	06-0119	SB	SODA CREEK ROAD UC	125	1490	125	1400	2025	32	30
6	5/Sha	65.41	06-0119	NB	SODA CREEK ROAD UC	125	1490	125	1400	2025	32	30
7	5/Sis	0.69	02-0065	SB	SOUTH DUNSMUIR UC	135	100	135	100	235	2	2
7	5/Sis	0.69	02-0065	NB	SOUTH DUNSMUIR UC	135	100	135	100	235	2	2
9	5/Sis	3.84	02-0171	SB	DUNSMUIR AVENUE UC	104	-	104	-	104	-	-
9	5/Sis	3.84	02-0171	NB	DUNSMUIR AVENUE UC	104	-	104	-	104	-	-
10	5/Sis	R8.79	02-0128K	-	SOUTH MOUNT SHASTA OC	-	-	-	-	812	-	-
11	5/Sis	R45.62	02-0159L	SB	MOONLIT OAKS AVENUE UC	112	-	112	-	112	-	-
12	5/Sis	R45.62	02-0159R	NB	MOONLIT OAKS AVENUE UC	112	-	112	-	112	-	-
13	5/Sis	R46.49	02-0138L	SB	OBERLIN ROAD UC	116	-	116	-	116	-	-
14	5/Sis	R46.49	02-0138R	NB	OBERLIN ROAD UC	116	-	116	-	116	-	-
16	5/Sis	R47.56	02-0158L	SB	MINOR STREET UC	117	-	117	-	117	-	-
17	5/Sis	R47.56	02-0158R	NB	MINOR STREET UC	117	-	117	-	117	-	-
18	5/Sis	R48.23	02-0150L	SB	NORTH YREKA SEPERATION	125	-	125	-	125	-	-
19	5/Sis	R61.55	02-0174L	NB	HENLEY WAY UC	98	1250	98	800	1738	26	17
SUBTOTAL						2673	9660	2673	8600	15,425	204	183
TOTAL								39,031			387	

**SUMMARY OF QUANTITIES
Q-1**

P:\proj\1\02\3E650\plans\pse\23e650pa001.dgn
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: JULIE CASEY
 CALCULATED/DESIGNED BY: TOM PENICK
 CHECKED BY: STEVE ALAWAR
 REVISED BY: DATE
 REVISIONS:

LAST REVISION: DATE PLOTTED => 26-DEC-2012
 TIME PLOTTED => 11:15

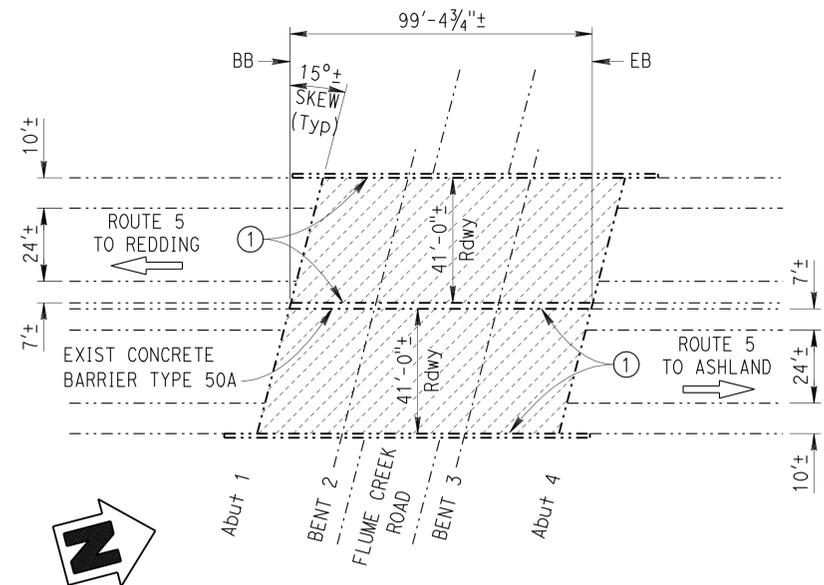
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	5	Var	18	24

6-6-12
REGISTERED CIVIL ENGINEER DATE

12-24-12
PLANS APPROVAL DATE

BRIAN P. NGUYEN
No. C 68270
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

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FLUME CREEK ROAD UNDERCROSSING

Br No. 06-0112, Sha, ROUTE 5, PM 59.35
1" = 30'

FLUME CREEK ROAD UNDERCROSSING BRIDGE NO. 06-0112

QUANTITIES

REMOVE UNSOUND CONCRETE	21	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	8,150	SQFT
GRIND EXISTING BRIDGE DECK	795	SQFT
RAPID SETTING CONCRETE (PATCH)	21	CF
FURNISH POLYESTER CONCRETE OVERLAY	815	CF
PLACE POLYESTER CONCRETE OVERLAY	8,150	SQFT

CREEKSIDE UNDERCROSSING BRIDGE NO. 06-0113

QUANTITIES

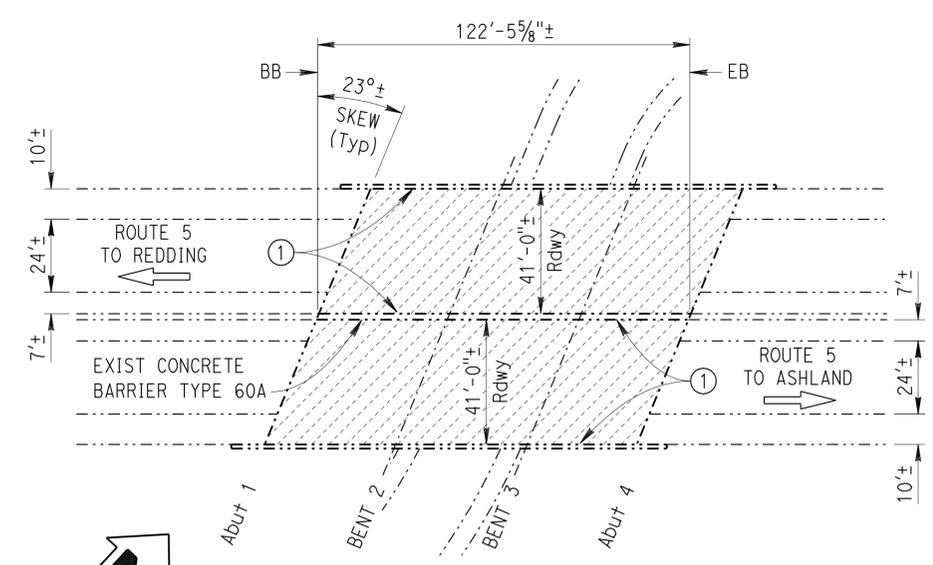
REMOVE UNSOUND CONCRETE	25	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	10,045	SQFT
GRIND EXISTING BRIDGE DECK	980	SQFT
RAPID SETTING CONCRETE (PATCH)	25	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,005	CF
PLACE POLYESTER CONCRETE OVERLAY	10,045	SQFT

CONANT ROAD UNDERCROSSING BRIDGE NO. 06-0114

QUANTITIES

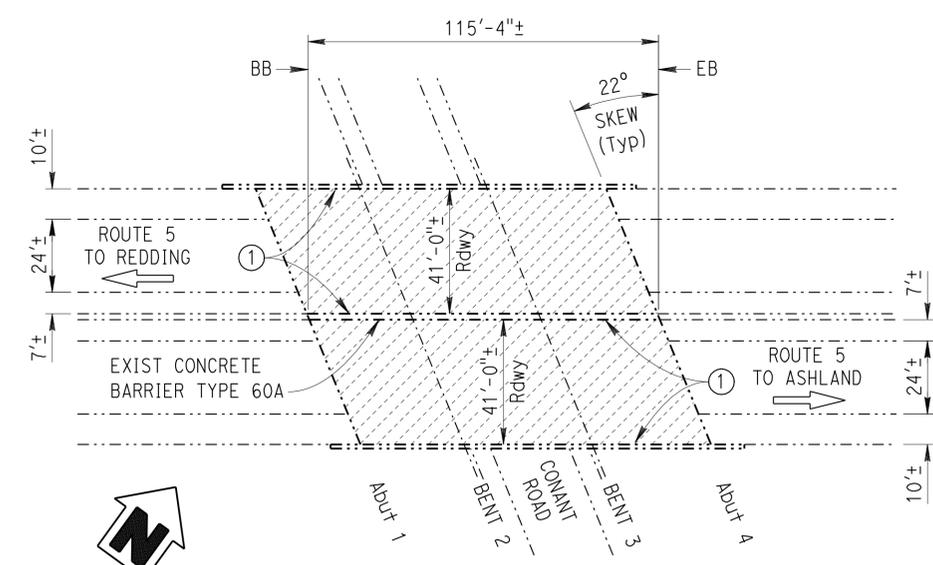
REMOVE UNSOUND CONCRETE	24	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	9,460	SQFT
GRIND EXISTING BRIDGE DECK	922	SQFT
RAPID SETTING CONCRETE (PATCH)	24	CF
FURNISH POLYESTER CONCRETE OVERLAY	946	CF
PLACE POLYESTER CONCRETE OVERLAY	9,460	SQFT

- NOTES: (APPLY TO ALL SHEETS)
- INDICATES EXISTING.
 - THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 - ① STANDARD PLAN SHEET NUMBER
 - ② DETAIL NUMBER
- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of remove unsound concrete, place rapid setting concrete patches, prepare concrete bridge deck surfaces, and place new 1" Min depth polyester concrete overlay. Place new polyester concrete overlay prior to HMA conform. For details see "MISCELLANEOUS DETAILS" sheet.
 - ① Grind existing bridge deck along exterior barrier and median barrier full length of bridge. For details see "DECK GRIND DETAIL" on "MISCELLANEOUS DETAILS" sheet.



CREEKSIDE UNDERCROSSING

Br No. 06-0113, Sha, ROUTE 5, PM 59.97
1" = 30'



CONANT ROAD UNDERCROSSING

Br No. 06-0114, Sha, ROUTE 5, PM 60.51
1" = 30'

INDEX TO PLANS

SHEET No.	TITLE
1	GENERAL PLAN No. 1
2	GENERAL PLAN No. 2
3	GENERAL PLAN No. 3
4	GENERAL PLAN No. 4
5	GENERAL PLAN No. 5
6	GENERAL PLAN No. 6
7	MISCELLANEOUS DETAILS

STANDARD PLANS DATED 2010

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

Michael J. Lee 6-6-12
DESIGN ENGINEER

DESIGN	BY BRIAN NGUYEN	CHECKED FRANZ ESPINOZA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY G.F. BIDWELL	CHECKED FRANZ ESPINOZA	LAYOUT	BY G.F. BIDWELL
QUANTITIES	BY BRIAN NGUYEN	CHECKED FRANZ ESPINOZA	SPECIFICATIONS	BY DAVE KLEIN

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE No. VARIOUS
POST MILE VARIES
ROUTE 5 BRIDGES (NEW DECK OVERLAY AND JOINT SEALS)
GENERAL PLAN No. 1

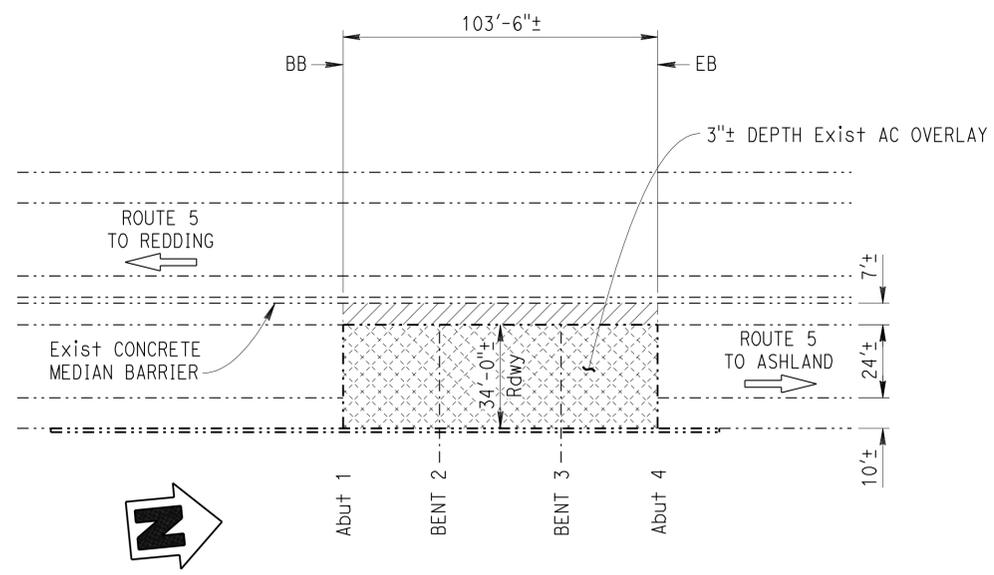
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha,Sis	5	Var	19	24

6-6-12
REGISTERED CIVIL ENGINEER DATE

12-24-12
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BRIAN P. NGUYEN
No. C 68270
Exp. 9-30-13
CIVIL
STATE OF CALIFORNIA

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CASTELLA SIDEHILL VIADUCT

Br No. 06-0120R, Sha, ROUTE 5, PM 62.62
1" = 30'

CASTELLA SIDEHILL VIADUCT BRIDGE NO. 06-0120R

QUANTITIES

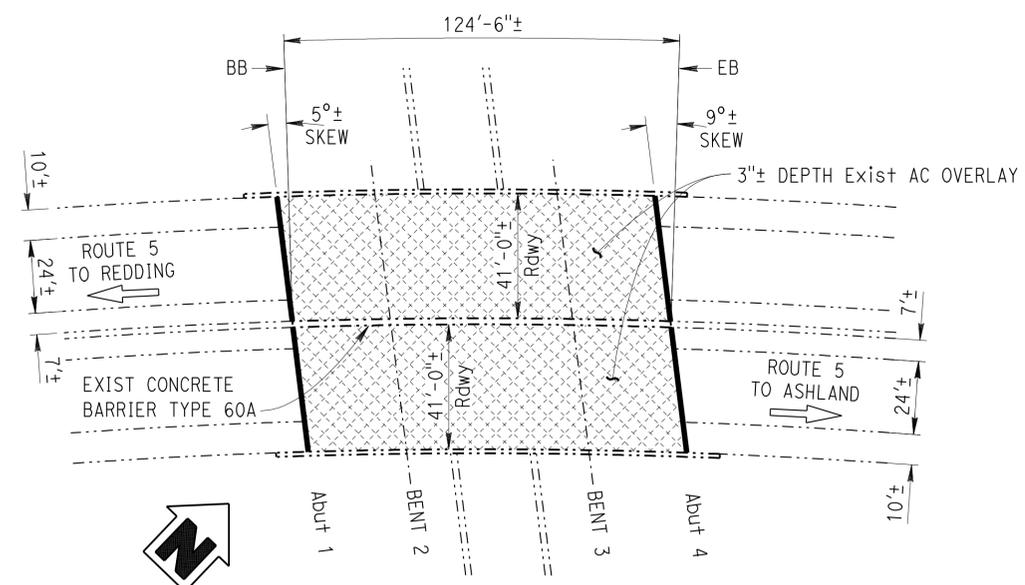
REMOVE ASPHALT CONCRETE SURFACING	3,536	SOFT
REMOVE UNSOUND CONCRETE	18	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	3,536	SOFT
RAPID SETTING CONCRETE (PATCH)	18	CF
FURNISH POLYESTER CONCRETE OVERLAY	354	CF
PLACE POLYESTER CONCRETE OVERLAY	3,536	SOFT

CASTELLA UNDERCROSSING BRIDGE NO. 06-0117

QUANTITIES

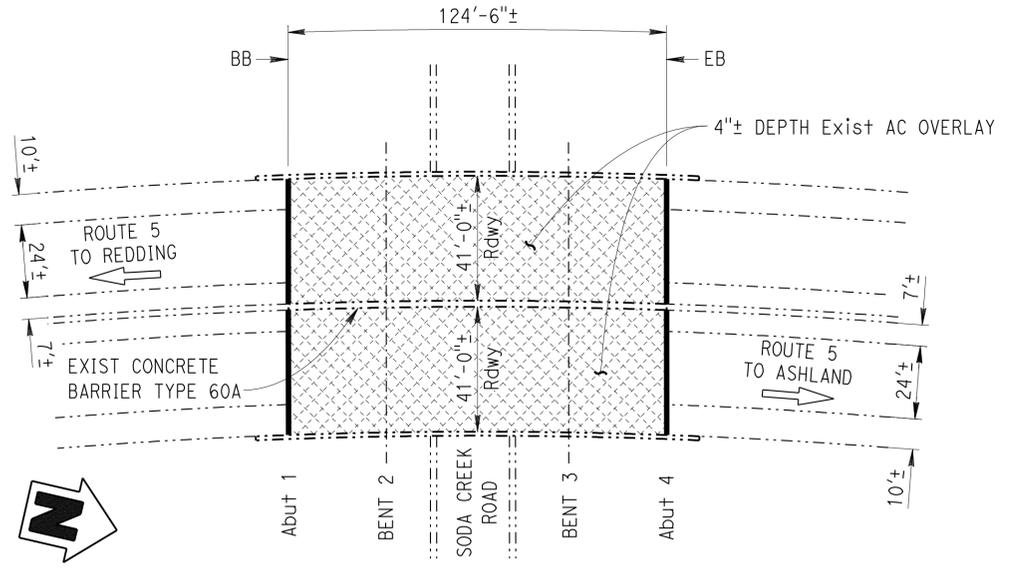
REMOVE ASPHALT CONCRETE SURFACING	9,974	SOFT
REMOVE UNSOUND CONCRETE	50	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	9,974	SOFT
CLEAN EXPANSION JOINT	167	LF
RAPID SETTING CONCRETE (PATCH)	50	CF
FURNISH POLYESTER CONCRETE OVERLAY	998	CF
PLACE POLYESTER CONCRETE OVERLAY	9,974	SOFT
JOINT SEAL (MR 1/2")	167	LF

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of remove existing AC overlay and membrane seal, remove unsound concrete, place rapid setting concrete patches, prepare bridge deck surfaces, and place new 1" Min depth polyester concrete overlay. Place new polyester concrete overlay prior to HMA conform. For details see "MISCELLANEOUS DETAILS" sheet.
 - See Road Plans for details in area between existing concrete bridge deck and existing concrete median barrier.
 - Indicates limits of clean expansion joint and install new joint seal. For details see "MISCELLANEOUS DETAILS" sheet.



CASTELLA UNDERCROSSING

Br No. 06-0117, Sha, ROUTE 5, PM 63.58
1" = 30'



SODA CREEK ROAD UNDERCROSSING

Br No. 06-0119, Sha, ROUTE 5, PM 65.41
1" = 30'

SODA CREEK ROAD UNDERCROSSING BRIDGE NO. 06-0119

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	10,250	SOFT
REMOVE UNSOUND CONCRETE	51	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	10,250	SOFT
CLEAN EXPANSION JOINT	166	LF
RAPID SETTING CONCRETE (PATCH)	51	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,025	CF
PLACE POLYESTER CONCRETE OVERLAY	10,250	SOFT
JOINT SEAL (MR 1/2")	166	LF

Michael J. Lee 6-6-12
DESIGN ENGINEER

DESIGN	BY BRIAN NGUYEN	CHECKED FRANZ ESPINOZA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY G.F. BIDWELL	CHECKED FRANZ ESPINOZA	LAYOUT	BY G.F. BIDWELL
QUANTITIES	BY BRIAN NGUYEN	CHECKED FRANZ ESPINOZA	SPECIFICATIONS	BY DAVE KLEIN

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

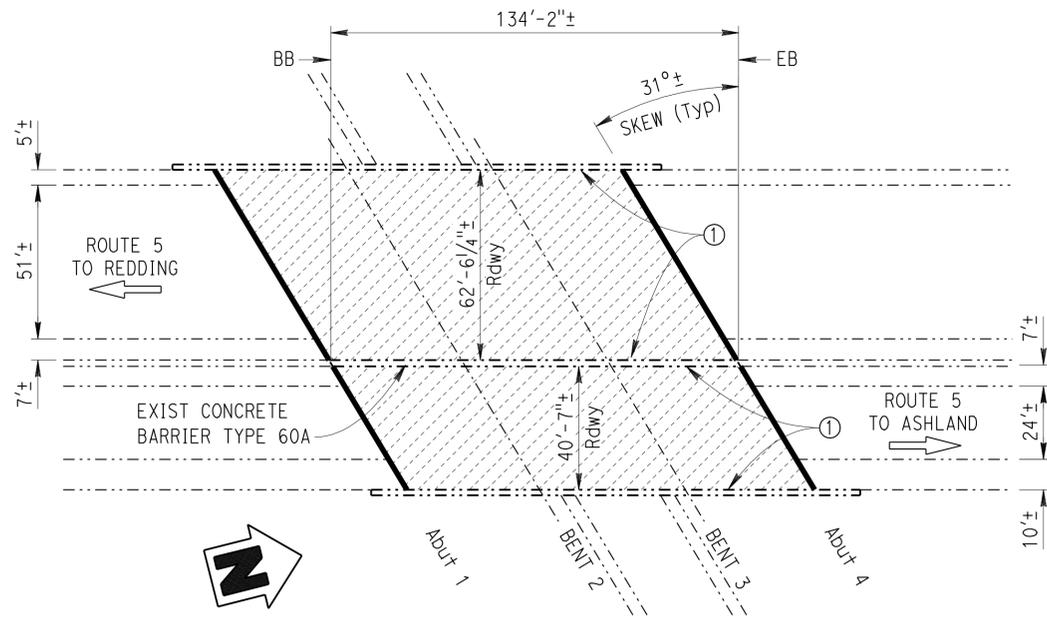
BRIDGE No. VARIOUS
POST MILE VARIES
ROUTE 5 BRIDGES (NEW DECK OVERLAY AND JOINT SEALS)
GENERAL PLAN No. 2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha, Sis	5	Var	20	24

6-6-12
 REGISTERED CIVIL ENGINEER DATE
 12-24-12
 PLANS APPROVAL DATE

BRIAN P. NGUYEN
 No. C 68270
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA

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SOUTH DUNSMUIR UNDERCROSSING

Br No. 02-0065, Sis, ROUTE 5, PM 0.69
 1" = 30'

SOUTH DUNSMUIR UNDERCROSSING BRIDGE NO. 02-0065

QUANTITIES

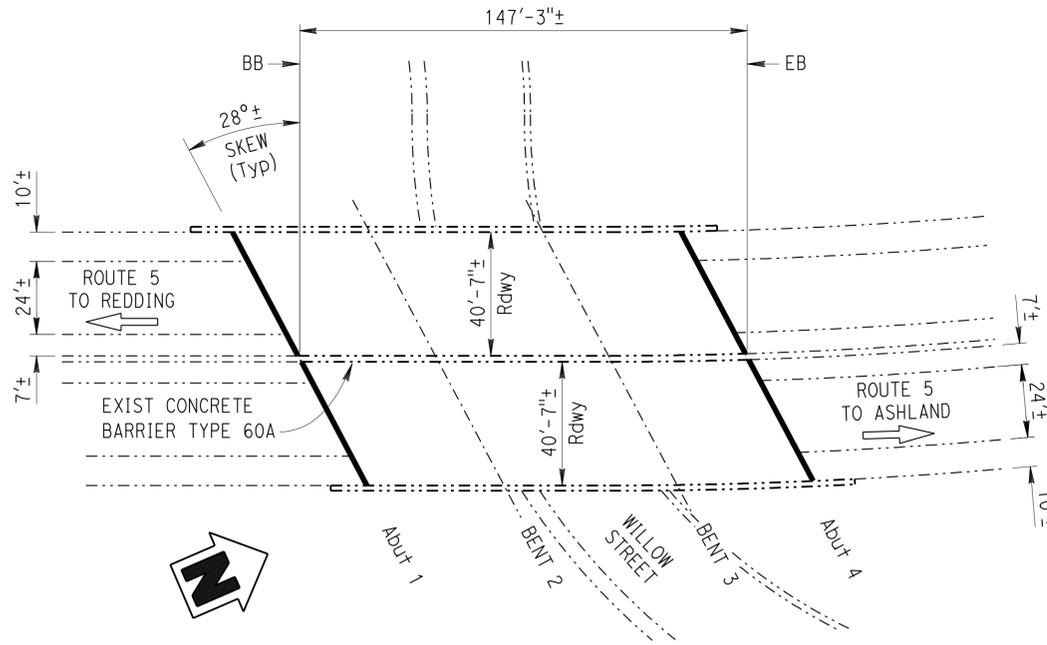
REMOVE UNSOUND CONCRETE	35	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	13,830	SQFT
GRIND EXISTING BRIDGE DECK	1,072	SQFT
CLEAN EXPANSION JOINT	245	LF
RAPID SETTING CONCRETE (PATCH)	35	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,383	CF
PLACE POLYESTER CONCRETE OVERLAY	13,830	SQFT
JOINT SEAL (MR 1")	245	LF

WILLOW STREET UNDERCROSSING BRIDGE NO. 02-0078

QUANTITIES

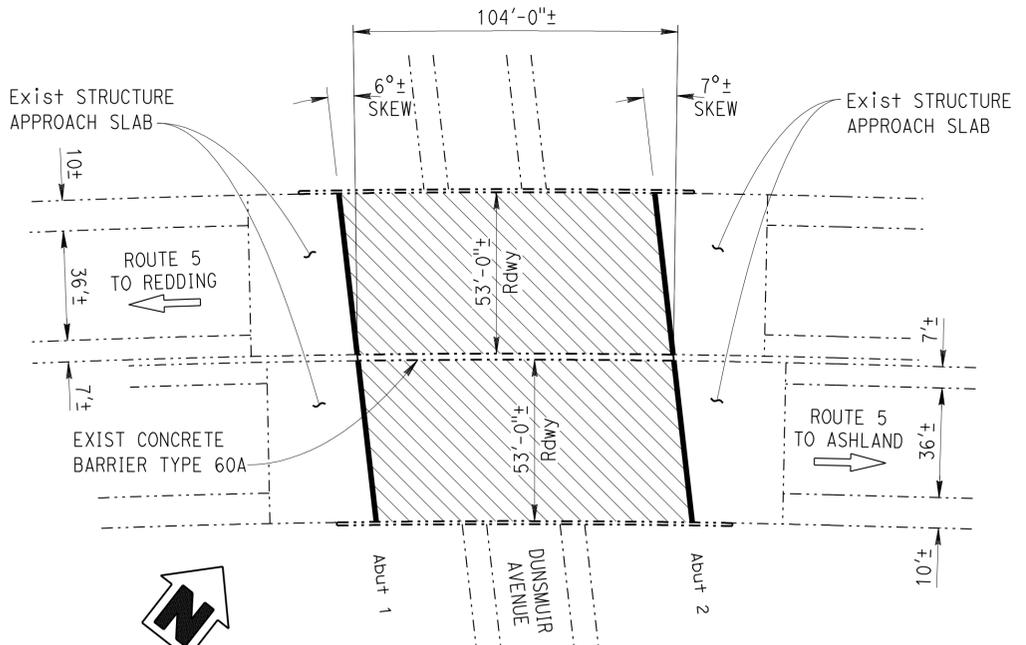
CLEAN EXPANSION JOINT	187	LF
JOINT SEAL (MR 1")	187	LF

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of remove unsound concrete, place rapid setting concrete patches, prepare concrete bridge deck surfaces, and place new 1" Min depth polyester concrete overlay. Place new polyester concrete overlay prior to HMA conform. For details see "MISCELLANEOUS DETAILS" sheet.
 - Indicates limits of remove existing 3/4"± polyester concrete overlay and 1/4" Max depth of existing concrete deck surface, remove unsound concrete, place rapid setting concrete patches, prepare concrete bridge deck surfaces, and place new 1"± depth polyester concrete overlay. Conform new polyester concrete overlay to existing structure approach slabs. For details see "MISCELLANEOUS DETAILS" sheet.
 - Indicates limits of clean expansion joint and install new joint seal. For details see "MISCELLANEOUS DETAILS" sheet.
 - ① Grind existing bridge deck along exterior barrier and median barrier full length of bridge. For details see "DECK GRIND DETAIL" on "MISCELLANEOUS DETAILS" sheet.



WILLOW STREET UNDERCROSSING

Br No. 02-0078, Sis, ROUTE 5, PM 2.09
 1" = 30'



DUNSMUIR AVENUE UNDERCROSSING

Br No. 02-0171, Sis, ROUTE 5, PM 3.84
 1" = 30'

DUNSMUIR AVENUE UNDERCROSSING BRIDGE NO. 02-0171

QUANTITIES

REMOVE POLYESTER CONCRETE OVERLAY	11,024	SQFT
REMOVE UNSOUND CONCRETE	28	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	11,024	SQFT
CLEAN EXPANSION JOINT	215	LF
RAPID SETTING CONCRETE (PATCH)	28	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,103	CF
PLACE POLYESTER CONCRETE OVERLAY	11,024	SQFT
JOINT SEAL (MR 1/2")	215	LF

6-6-12
 DESIGN ENGINEER

DESIGN	BY BRIAN NGUYEN	CHECKED FRANZ ESPINOZA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY G.F. BIDWELL	CHECKED FRANZ ESPINOZA	LAYOUT	BY G.F. BIDWELL
QUANTITIES	BY BRIAN NGUYEN	CHECKED FRANZ ESPINOZA	SPECIFICATIONS	BY DAVE KLEIN

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE No. VARIOUS
 POST MILE Varies
ROUTE 5 BRIDGES (NEW DECK OVERLAY AND JOINT SEALS)
GENERAL PLAN No. 3

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha, Sis	5	Var	21	24

6-6-12
 REGISTERED CIVIL ENGINEER DATE
 12-24-12
 PLANS APPROVAL DATE

BRIAN P. NGUYEN
 No. C 68270
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA

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SOUTH MOUNT SHASTA OVERCROSSING BRIDGE NO. 02-0128K

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	6,732	SQFT
REMOVE UNSOUND CONCRETE	34	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	6,732	SQFT
RAPID SETTING CONCRETE PATCH	34	CF
FURNISH POLYESTER CONCRETE OVERLAY	673	CF
PLACE POLYESTER CONCRETE OVERLAY	6,732	SQFT

MOONLIT OAKS AVENUE UNDERCROSSING BRIDGE NO. 02-0159L/R

QUANTITIES

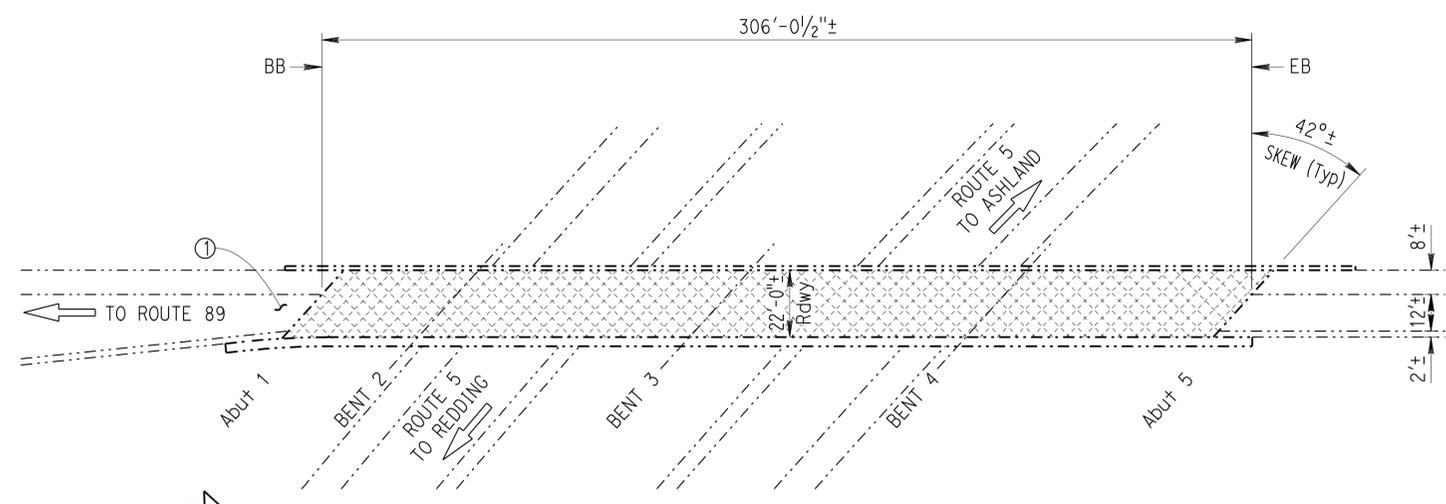
REMOVE POLYESTER CONCRETE OVERLAY	8,736	SQFT
REMOVE UNSOUND CONCRETE	22	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	8,736	SQFT
CLEAN EXPANSION JOINT	158	LF
RAPID SETTING CONCRETE PATCH	22	CF
FURNISH POLYESTER CONCRETE OVERLAY	874	CF
PLACE POLYESTER CONCRETE OVERLAY	8,736	SQFT
JOINT SEAL (MR 1/2")	158	LF

NOTES: (APPLY TO THIS SHEET ONLY)

 Indicates limits of remove existing 3"± depth AC overlay and membrane seal, remove unsound concrete, place rapid setting concrete patches, prepare bridge deck surfaces, and place new 1" Min depth polyester concrete overlay. Place new polyester concrete overlay prior to HMA conform. For details see "MISCELLANEOUS DETAILS" sheet.

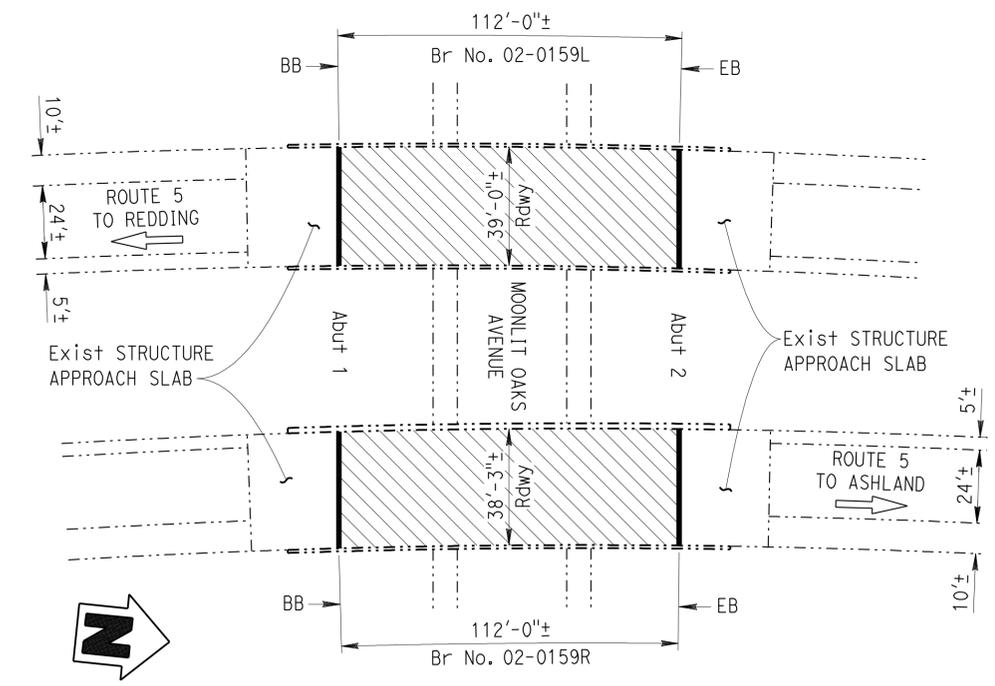
 Indicates limits of remove existing 3/4"± polyester concrete overlay and 1/4" Max depth of existing concrete deck surface, remove unsound concrete, place rapid setting concrete patches, prepare concrete bridge deck surfaces, and place new 1"± depth polyester concrete overlay. Conform new polyester concrete overlay to existing structure approach slabs. For details see "MISCELLANEOUS DETAILS" sheet.

 Indicates limits of clean expansion joint and install new joint seal. For details see "MISCELLANEOUS DETAILS" sheet.



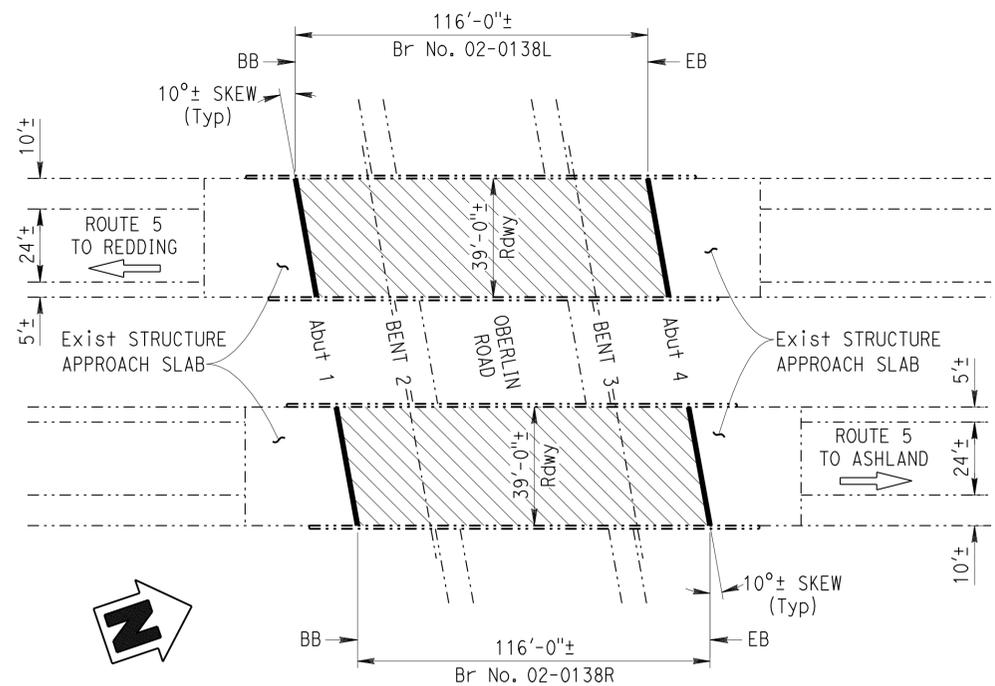
SOUTH MOUNT SHASTA OVERCROSSING

Br No. 02-0128K, Sis, ROUTE 5, PM R8.79
1" = 30'



MOONLIT OAKS AVENUE UNDERCROSSING

Br No. 02-0159R/L, Sis, ROUTE 5, PM R45.62
1" = 30'



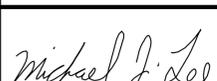
OBERLIN ROAD UNDERCROSSING

Br No. 02-0138R/L, Sis, ROUTE 5, PM R46.49
1" = 30'

OBERLIN ROAD UNDERCROSSING BRIDGE NO. 02-0138L/R

QUANTITIES

REMOVE POLYESTER CONCRETE OVERLAY	9,048	SQFT
REMOVE UNSOUND CONCRETE	23	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	9,048	SQFT
CLEAN EXPANSION JOINT	164	LF
RAPID SETTING CONCRETE (PATCH)	23	CF
FURNISH POLYESTER CONCRETE OVERLAY	905	CF
PLACE POLYESTER CONCRETE OVERLAY	9,048	SQFT
JOINT SEAL (MR 1/2")	164	LF


 6-6-12
 DESIGN ENGINEER

DESIGN	BY BRIAN NGUYEN	CHECKED FRANZ ESPINOZA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY G.F. BIDWELL	CHECKED FRANZ ESPINOZA	LAYOUT	BY G.F. BIDWELL
QUANTITIES	BY BRIAN NGUYEN	CHECKED FRANZ ESPINOZA	SPECIFICATIONS	BY DAVE KLEIN

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

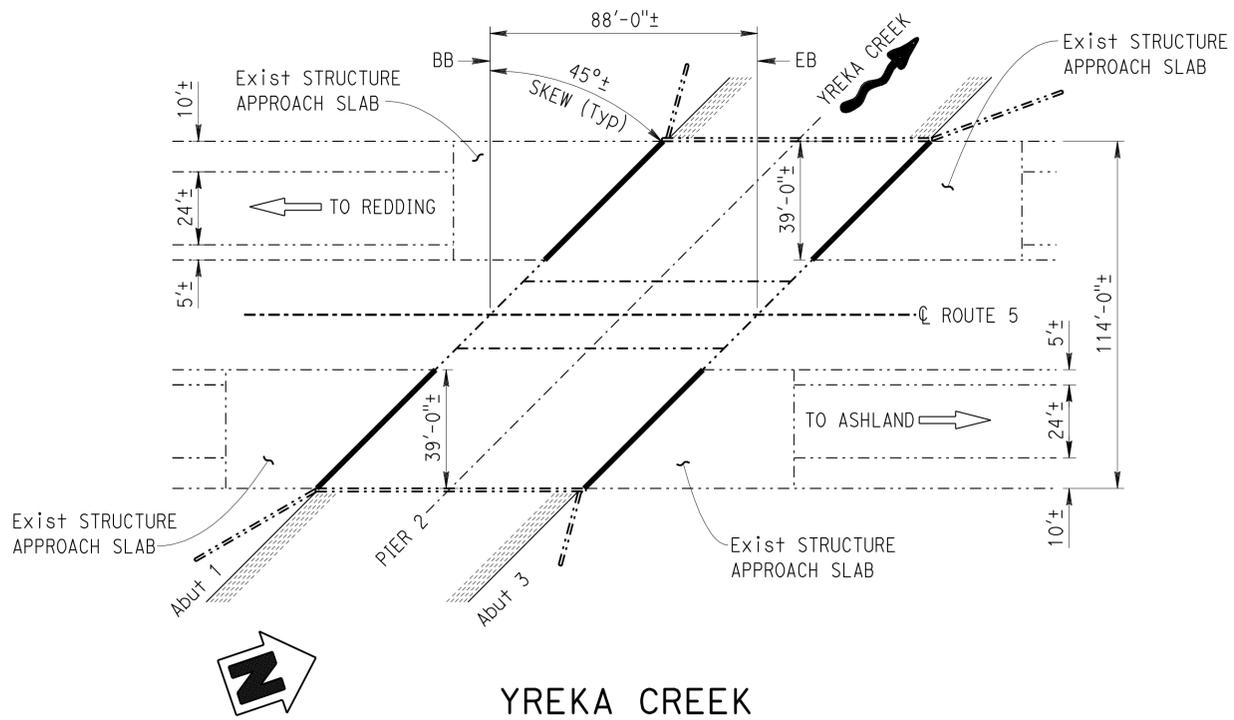
BRIDGE No.	VARIOUS	ROUTE 5 BRIDGES (NEW DECK OVERLAY AND JOINT SEALS) GENERAL PLAN No. 4
POST MILE	VARIES	
REVISION DATES	4-14-11 4-8-12 4-16-12 5-30-12 6-25-12	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha, Sis	5	Var	22	24

6-6-12
 REGISTERED CIVIL ENGINEER DATE
 12-24-12
 PLANS APPROVAL DATE

BRIAN P. NGUYEN
 No. C 68270
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA

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YREKA CREEK
 Br No. 02-0143, Sis, ROUTE 5, PM R46.79
 1" = 30'

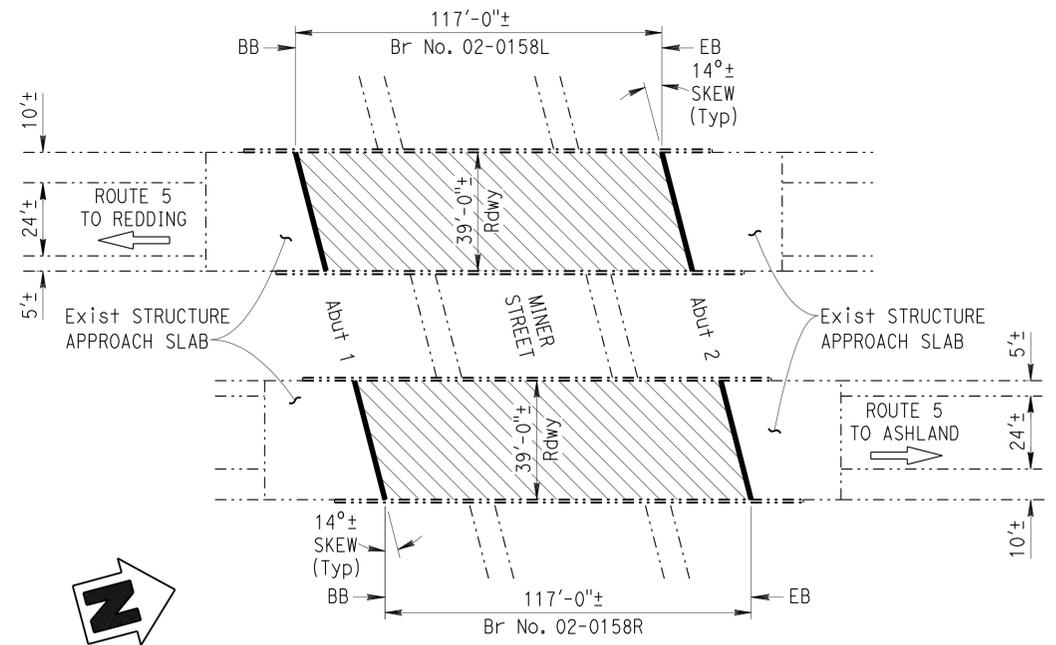
YREKA CREEK	BRIDGE NO. 02-0143
QUANTITIES	
CLEAN EXPANSION JOINT	222 LF
JOINT SEAL (MR 1/2")	222 LF

MINER STREET UNDERCROSSING	BRIDGE NO. 02-0158L/R
QUANTITIES	
REMOVE POLYESTER CONCRETE OVERLAY	9,126 SQFT
REMOVE UNSOUND CONCRETE	23 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	9,126 SQFT
CLEAN EXPANSION JOINT	164 LF
RAPID SETTING CONCRETE (PATCH)	23 CF
FURNISH POLYESTER CONCRETE OVERLAY	913 CF
PLACE POLYESTER CONCRETE OVERLAY	9,126 SQFT
JOINT SEAL (MR 1/2")	164 LF

NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of remove existing 3/4"± polyester concrete overlay and 1/4" Max depth of existing concrete deck surface, remove unsound concrete, place rapid setting concrete patches, prepare concrete bridge deck surfaces, and place new 1"± depth polyester concrete overlay to existing structure approach slabs. For details see "MISCELLANEOUS DETAILS" sheet.

Indicates limits of clean expansion joint and install new joint seal. For details see "MISCELLANEOUS DETAILS" sheet.



MINER STREET UNDERCROSSING
 Br No. 02-0158R/L, Sis, ROUTE 5, R47.56
 1" = 30'

Michael J. Lee 6-6-12
 DESIGN ENGINEER

DESIGN	BY BRIAN NGUYEN	CHECKED FRANZ ESPINOZA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY G.F. BIDWELL	CHECKED FRANZ ESPINOZA	LAYOUT	BY G.F. BIDWELL
QUANTITIES	BY BRIAN NGUYEN	CHECKED FRANZ ESPINOZA	SPECIFICATIONS	BY DAVE KLEIN

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE No.	ROUTE 5 BRIDGES (NEW DECK OVERLAY AND JOINT SEALS)
VARIOUS	
POST MILE	
VARIES	
GENERAL PLAN No. 5	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Sha, Sis	5	Var	23	24

6-6-12
 REGISTERED CIVIL ENGINEER DATE
 12-24-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 BRIAN P. NGUYEN
 No. C 68270
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA

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NORTH YREKA SEPARATION BRIDGE NO. 02-0150L

QUANTITIES

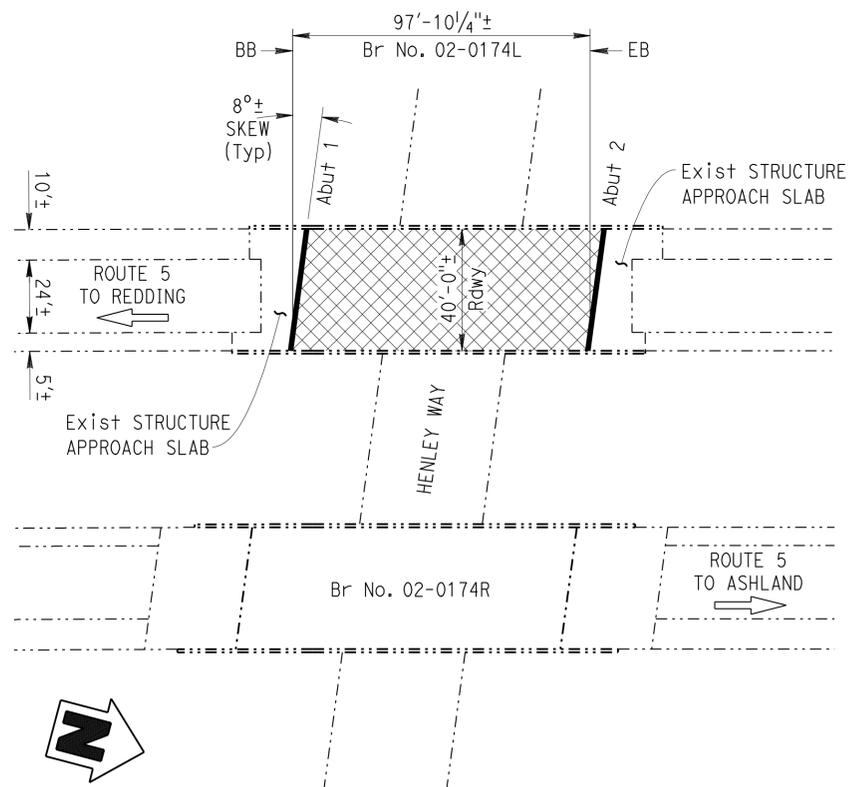
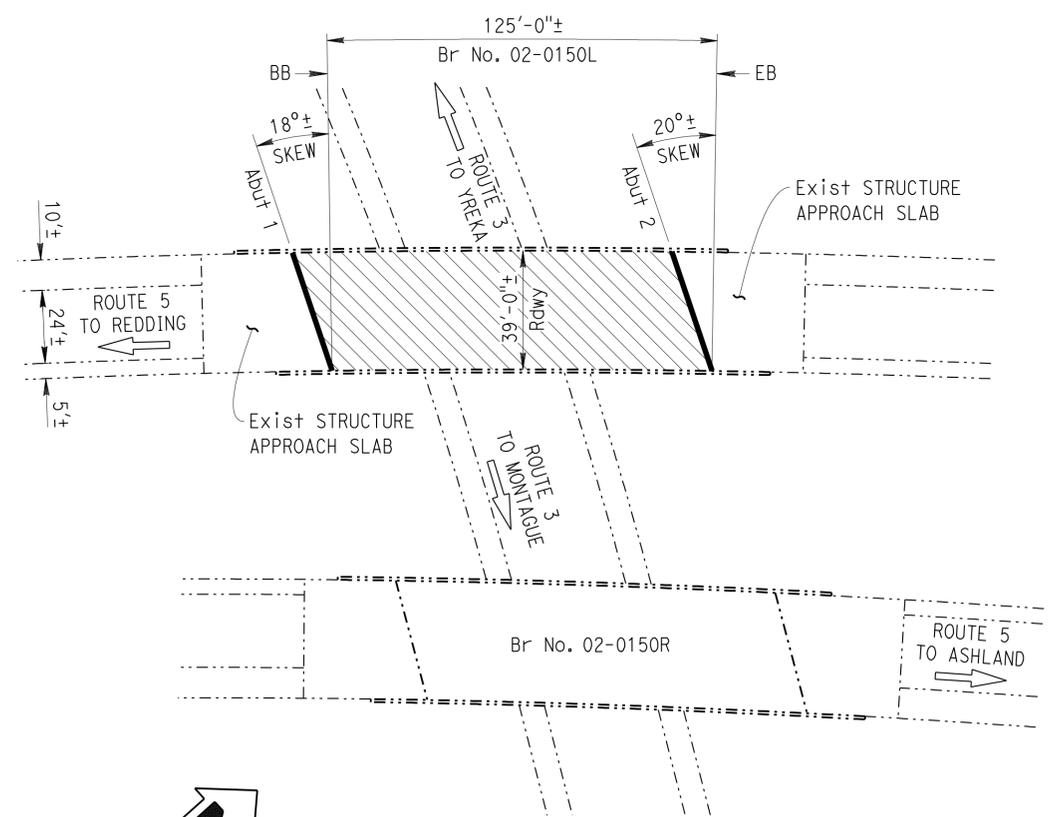
REMOVE POLYESTER CONCRETE OVERLAY	4,875	SQFT
REMOVE UNSOUND CONCRETE	12	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	4,875	SQFT
CLEAN EXPANSION JOINT	84	LF
RAPID SETTING CONCRETE (PATCH)	12	CF
FURNISH POLYESTER CONCRETE OVERLAY	488	CF
PLACE POLYESTER CONCRETE OVERLAY	4,875	SQFT
JOINT SEAL (MR 1/2")	84	LF

HENLEY WAY UNDERCROSSING BRIDGE NO. 02-0174L

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	3,920	SQFT
REMOVE UNSOUND CONCRETE	20	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	3,920	SQFT
CLEAN EXPANSION JOINT	82	LF
RAPID SETTING CONCRETE (PATCH)	20	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,175	CF
PLACE POLYESTER CONCRETE OVERLAY	3,920	SQFT
JOINT SEAL (MR 1/2")	82	LF

- NOTES: (APPLY TO THIS SHEET ONLY)
-  Indicates limits of remove existing 3"± depth AC overlay and membrane seal, remove unsound concrete, place rapid setting concrete patches, prepare concrete bridge deck surfaces, and place new 3" Max depth polyester concrete overlay. Conform new polyester concrete overlay to existing structure approach slabs. For details see "MISCELLANEOUS DETAILS" sheet.
 -  Indicates limits of remove existing 3/4"± polyester concrete overlay and 1/4" Max depth of existing concrete deck surface, remove unsound concrete, place rapid setting concrete patches, prepare concrete bridge deck surfaces, and place new 1"± depth polyester concrete overlay to existing structure approach slabs. For details see "MISCELLANEOUS DETAILS" sheet.
 -  Indicates limits of clean expansion joint and install new joint seal. For details see "MISCELLANEOUS DETAILS" sheet.



NORTH YREKA SEPARATION

Br No. 02-0150L, Sis, ROUTE 5, PM R48.23
1" = 30'

HENLEY WAY UNDERCROSSING

Br No. 02-0174L, Sis, ROUTE 5, PM R61.55
1" = 30'


 6-6-12
 DESIGN ENGINEER

DESIGN	BY BRIAN NGUYEN	CHECKED FRANZ ESPINOZA	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY G.F. BIDWELL	CHECKED FRANZ ESPINOZA	LAYOUT	BY G.F. BIDWELL
QUANTITIES	BY BRIAN NGUYEN	CHECKED FRANZ ESPINOZA	SPECIFICATIONS	BY DAVE KLEIN

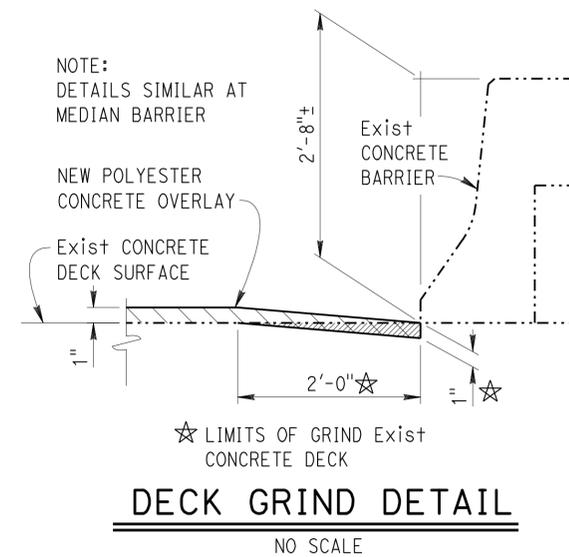
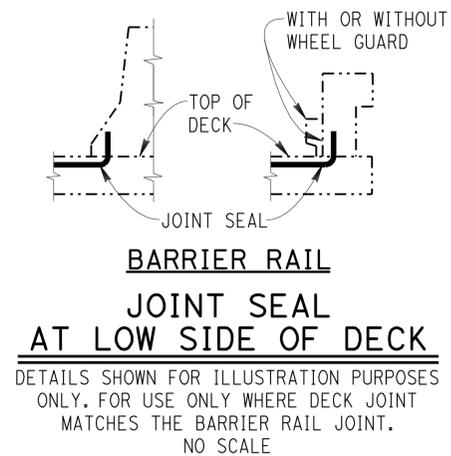
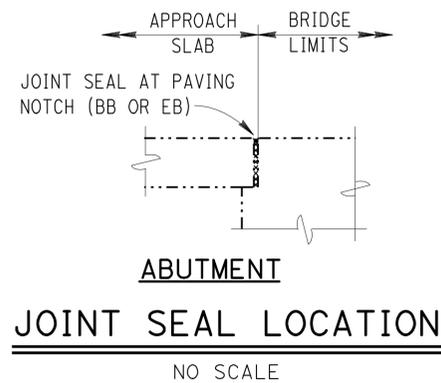
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

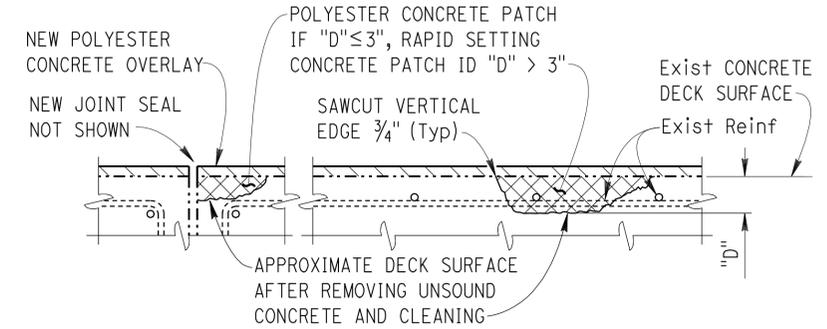
BRIDGE No. VARIOUS
 POST MILE VARIES
ROUTE 5 BRIDGES (NEW DECK OVERLAY AND JOINT SEALS)
GENERAL PLAN No. 6

JOINT SEAL TABLE										
BRIDGE NAME	BRIDGE NUMBER	JOINT LOCATION		MINIMUM "MR" (INCHES)	APPROX LENGTH (FEET)	EXISTING WATERSTOP	APPROXIMATE DEPTH TO CLEAN EXPANSION JOINT (INCHES)	JOINT REPAIR		
								REMOVE UNSOUND CONCRETE AND PLACE RAPID SETTING CONCRETE PATCHES		
								APPROXIMATE DEPTH (INCHES)	APPROXIMATE WIDTH (INCHES)	APPROXIMATE LENGTH (FEET)
CASTELLA UC	06-0117	ABUT 1	BB	1/2	83.0	No	12	3	4	5
		ABUT 4	EB	1/2	84.0	No	12	3	4	5
SODA CREEK RD UC	06-0119	ABUT 1	BB	1/2	83.0	No	12	3	4	5
		ABUT 4	EB	1/2	83.0	No	12	3	4	5
SOUTH DUNSMUIR UC	02-0065	ABUT 1	BB	1/2	122.5	No	12	3	4	5
		ABUT 4	EB	1/2	122.5	No	12	3	4	5
WILLOW ST UC	02-0078	ABUT 1	BB	1	93.5	No	12	3	4	5
		ABUT 4	EB	1	93.5	No	12	3	4	5
DUNSMUIR AVE UC	02-0171	ABUT 1	BB	1	107.5	No	12	3	4	5
		ABUT 4	EB	1	107.5	No	12	3	4	5
MOONLIT OAKS AVE UC	02-0159R	ABUT 1	BB	1/2	39.5	No	12	3	4	5
		ABUT 2	EB	1/2	39.5	No	12	3	4	5
	02-0159L	ABUT 1	BB	1/2	39.5	No	12	3	4	5
		ABUT 2	EB	1/2	39.5	No	12	3	4	5
OBERLIN RD UC	02-0138R	ABUT 1	BB	1/2	41.0	No	12	3	4	5
		ABUT 2	EB	1/2	41.0	No	12	3	4	5
	02-0138L	ABUT 1	BB	1/2	41.0	No	12	3	4	5
		ABUT 2	EB	1/2	41.0	No	12	3	4	5
YREKA CREEK	02-0143	ABUT 1	BB	1/2	111.0	No	12	3	4	5
		ABUT 2	EB	1/2	111.0	No	12	3	4	5
MINER ST UC	02-0158R	ABUT 1	BB	1/2	41.0	No	12	3	4	5
		ABUT 2	EB	1/2	41.0	No	12	3	4	5
	02-0158L	ABUT 1	BB	1/2	41.0	No	12	3	4	5
		ABUT 2	EB	1/2	41.0	No	12	3	4	5
NORTH YREKA SEPARATION	02-0150L	ABUT 1	BB	1/2	42.0	No	12	3	4	5
		ABUT 2	EB	1/2	42.0	No	12	3	4	5
HENLEY WAY UC	02-0174L	ABUT 1	BB	1/2	41.0	No	12	3	4	5
		ABUT 2	EB	1/2	41.0	No	12	3	4	5

LEGEND:
BB = PAVING NOTCH AT BEGINNING OF BRIDGE
EB = PAVING NOTCH AT END OF BRIDGE
C = C BENT
H = HINGE



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



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

DECK REPAIR TABLE			
REMOVE UNSOUND CONCRETE AND PLACE RAPID SETTING CONCRETE PATCHES			
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
FLUME CREEK ROAD UC	06-0112	1	3
CREEKSIDE UC	06-0113	1	3
CONANT ROAD UC	06-0114	1	3
CASTELLA SHV	06-0120R	2	3
CASTELLA UC	06-0117	2	3
SODA CREEK RD UC	06-0119	2	3
SOUTH DUNSMUIR UC	02-0065	1	3
DUNSMUIR AVE UC	02-0171	1	3
SOUTH MOUNT SHASTA OC	02-0128K	2	3
MOONLIT OAKS AVE UC	02-0159R	1	3
MOONLIT OAKS AVE UC	02-0159L	1	3
OBERLIN RD UC	02-0138R	1	3
OBERLIN RD UC	02-0138L	1	3
NORTH YREKA SEPARATION	02-0150L	1	3
MINER ST UC	02-0158R	1	3
MINER ST UC	02-0158L	1	3
HENLEY WAY UC	02-0174L	2	3

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

DESIGN BY BRIAN NGUYEN CHECKED FRANZ ESPINOZA DETAILS BY G.F. BIDWELL CHECKED FRANZ ESPINOZA QUANTITIES BY BRIAN NGUYEN CHECKED FRANZ ESPINOZA	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE No. VARIOUS POST MILE VARIES ROUTE 5 BRIDGES (NEW DECK OVERLAY AND JOINT SEALS) MISCELLANEOUS DETAILS
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