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11-33 ROUTE 80 BRIDGES	

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

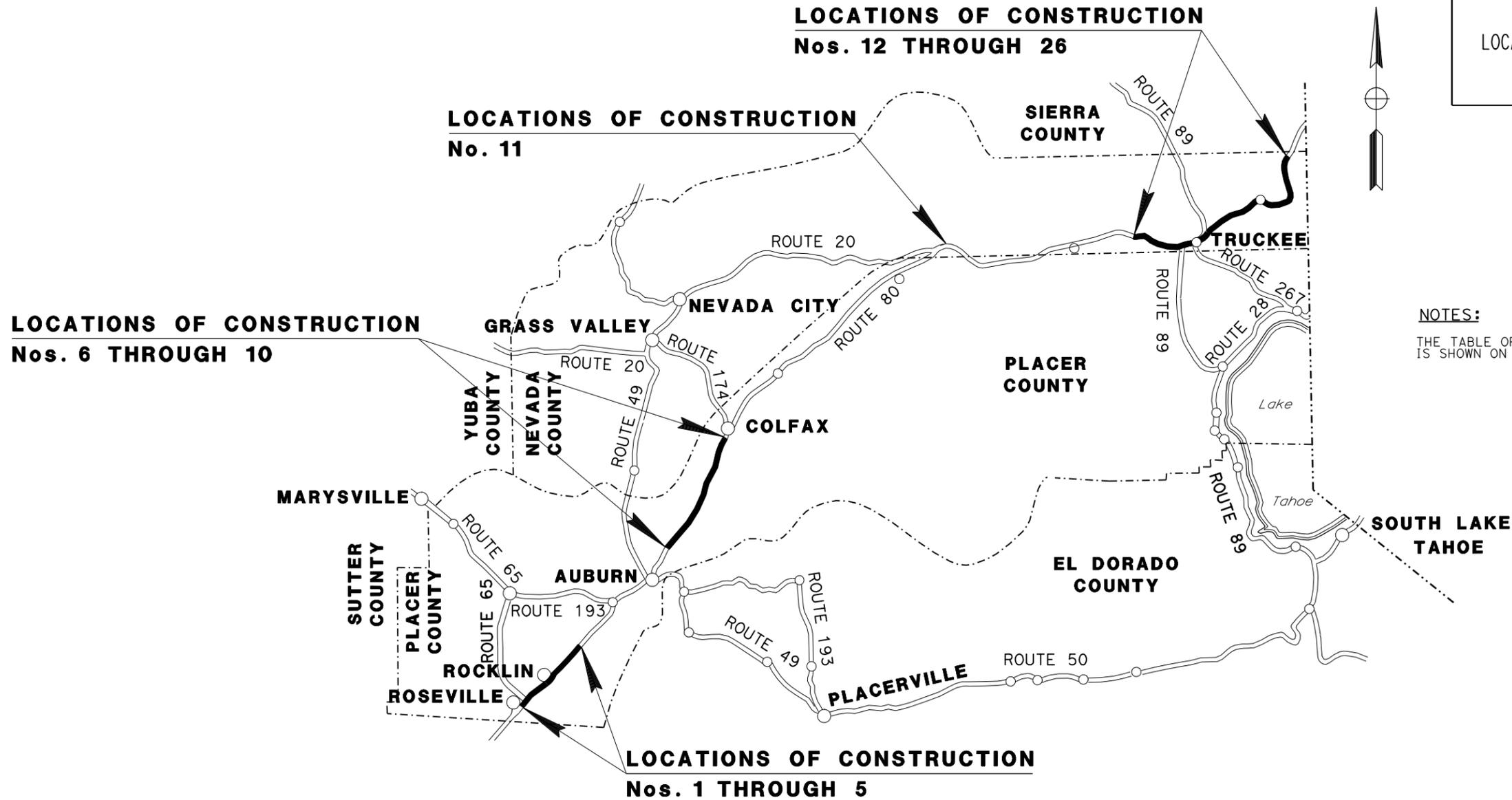
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR HIGHWAY CONSTRUCTION

IN PLACER AND NEVADA COUNTIES
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla, Nev	80	Var	1	33



NOTES:
THE TABLE OF LOCATIONS OF CONSTRUCTION IS SHOWN ON THE LOCATIONS OF CONSTRUCTION SHEET

PROJECT MANAGER
BRIAN TOEPFER
DESIGN ENGINEER
BRIAN TOEPFER

James M. Ferreira 44-8-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER
NOVEMBER 22, 2010
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. **03-3M6804**
PROJECT ID **0300000591**

NO SCALE

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 MAINTENANCE

FUNCTIONAL SUPERVISOR
 BRIAN D. TOEPFER

CHECKED BY
 BRIAN D. TOEPFER

DESIGNED BY
 JIM FERREIRA

REVISOR
 BRIAN D. TOEPFER

NOTES

1. THIS PLAN ACCURATE FOR LOCATIONS OF CONSTRUCTION ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla, Nev	80	Var	2	33

James M. Ferreira 11-8-10
 REGISTERED CIVIL ENGINEER DATE

11-22-10
 PLANS APPROVAL DATE

JIM FERREIRA
 No. 48257
 Exp. 6/30/12
 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.

LOCATIONS OF CONSTRUCTION

No.	COUNTY	ROUTE	POST MILE	STRUCTURE NAME	BRIDGE No.
①	Pla	80	1.98	DOUGLAS Blvd OC	19-0079
②	Pla	80	2.85	MINERS RAVINE Br	19-0056K
③	Pla	80	2.91	MINERS RAVINE Br	19-0056S
④	Pla	80	8.72	HORSESHOE BAR OC	19-0097
⑤	Pla	80	9.53	KING Rd OC	19-0098
⑥	Pla	80	R22.21	NEILS Rd OC	19-0127
⑦	Pla	80	R23.43	PLACER HILLS OC	19-0128
⑧	Pla	80	R26.21	CROTHER Rd OC	19-0130
⑨	Pla	80	27.39	HEATHER GLEN OC	19 0131
⑩	Pla	80	31.79	ILLINOISTOWN OC	19-0085
⑪	Nev	80	R61.65	SOUTH YUBA RIVER Br	17-0071L
⑫	Nev	80	R9.01	DONNER LAKE UC	17-0076R
⑬	Nev	80	R9.07	DONNER LAKE UC	17-0076L

No.	COUNTY	ROUTE	POST MILE	STRUCTURE NAME	BRIDGE No.
⑭	Nev	80	13.22	DONNER PARK OC	17-0045
⑮	Nev	80	14.16	ROUTE 80/89 SEPARATION	17-0029
⑯	Nev	80	14.97	WEST TRUCKEE UC	17-0030
⑰	Nev	80	15.48	TROUT CREEK UC	17-0031
⑱	Nev	80	17.33	FIBREBOARD UC	17-0101
⑲	Nev	80	20.23	UNION MILLS Br OH	17-0058L
⑳	Nev	80	20.23	UNION MILLS Br OH	17-0058R
㉑	Nev	80	20.84	TRUCKEE RIVER Br	17-0013
㉒	Nev	80	21.13	TRUCKEE RIVER Br	17-0012
㉓	Nev	80	22.41	BOCA Br & OH	17-0059L
㉔	Nev	80	23.57	HINTON Rd UC	17-0060
㉕	Nev	80	27.29	TRUCKEE RIVER Br	17-0062
㉖	Nev	80	28.00	TRUCKEE RIVER Br	17-0063R

LOCATIONS OF CONSTRUCTION

NO SCALE

LC-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobran MAINTENANCE

FUNCTIONAL SUPERVISOR
 BRIAN D. TOEPFER

CALCULATED-DESIGNED BY
 CHECKED BY

JIM FERREIRA
 BRIAN D. TOEPFER

REVISED BY
 DATE REVISED

NOTES

1. THIS PLAN ACCURATE FOR LOCATIONS OF CONSTRUCTION ONLY.

LEGEND:

 COLD PLANE AC PAVEMENT

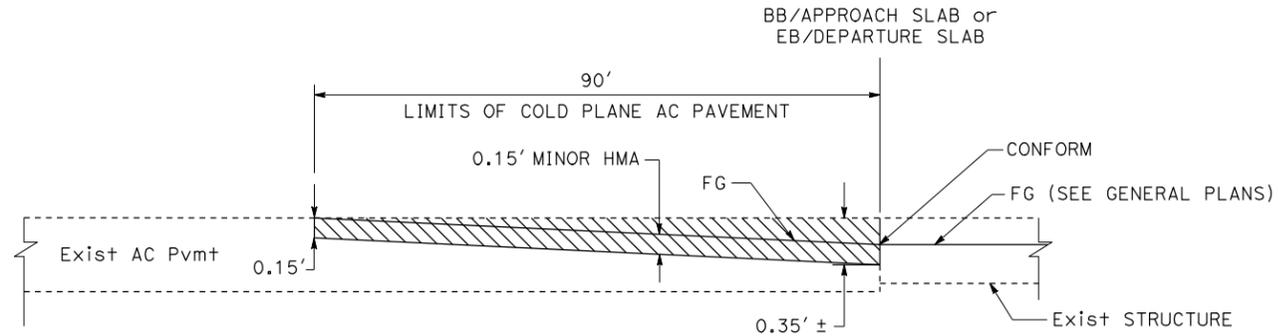
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	PiO, Nev	80	Var	3	33

James M. Ferreira 11-8-10
 REGISTERED CIVIL ENGINEER DATE

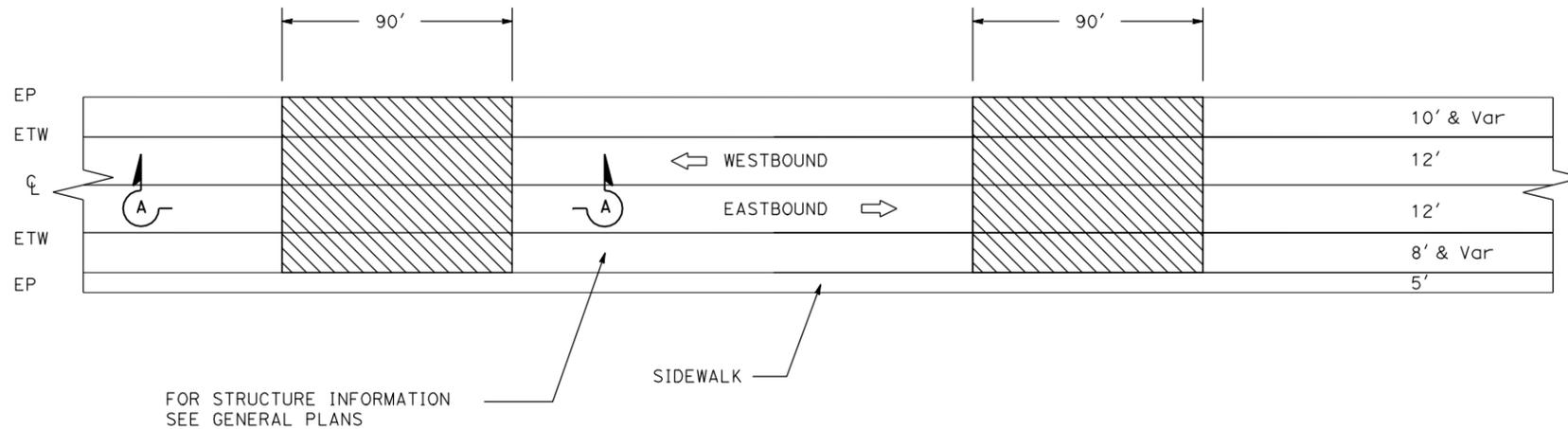
11-22-10
 PLANS APPROVAL DATE

JIM FERREIRA
 No. 48257
 Exp. 6/30/12
 CIVIL
 STATE OF CALIFORNIA

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SECTION A-A
BRIDGE CONFORM DETAIL



PAVEMENT CONFORM AT BRIDGES WITH REMOVE AC SURFACING

PLAN VIEW
 LOCATIONS 6, 7, 9, 10, AND 14

CONSTRUCTION DETAILS

NO SCALE

C-1

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)	W20-1	C23	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	24
(B)	W20-1	C23	60" x 60"	ROAD WORK AHEAD	2 - 4" x 6"	15
(C)	G20-2	C14	36" x 18"	END ROAD WORK	1 - 4" x 4"	28
(D)		C14	48" x 24"	END ROAD WORK	1 - 4" x 6"	15

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

LEGEND

- (X) CONSTRUCTION AREA SIGN LETTER
- ↑ SIGN - SINGLE POST
- ↑↑ SIGN - TWO POSTS
- ⇒ DIRECTIONAL ARROW

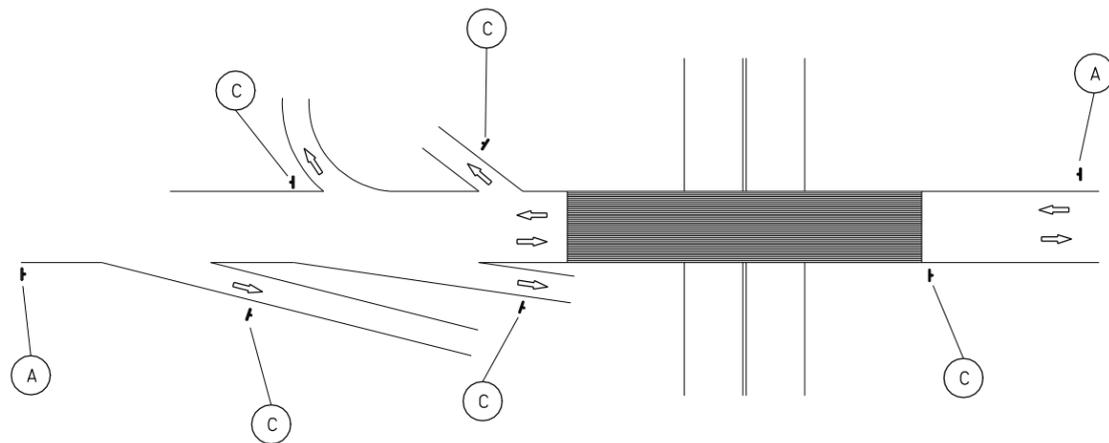
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Piñ, Nev	80	Var	4	33

James M. Ferreira 11-8-10
 REGISTERED CIVIL ENGINEER DATE

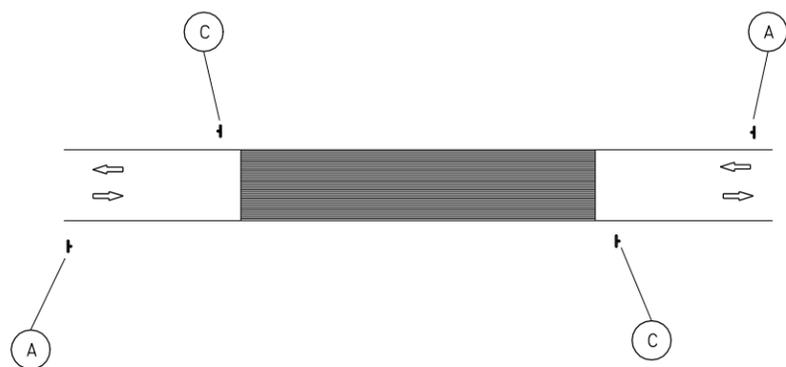
11-22-10
 PLANS APPROVAL DATE

Jeffrey S. Jewett
 No. 49233
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

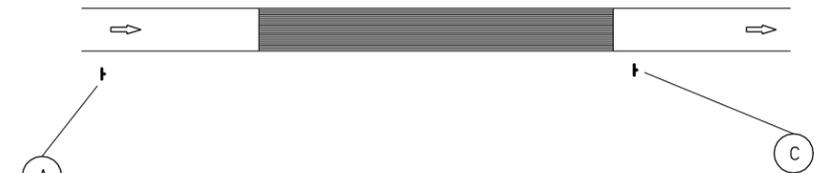
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



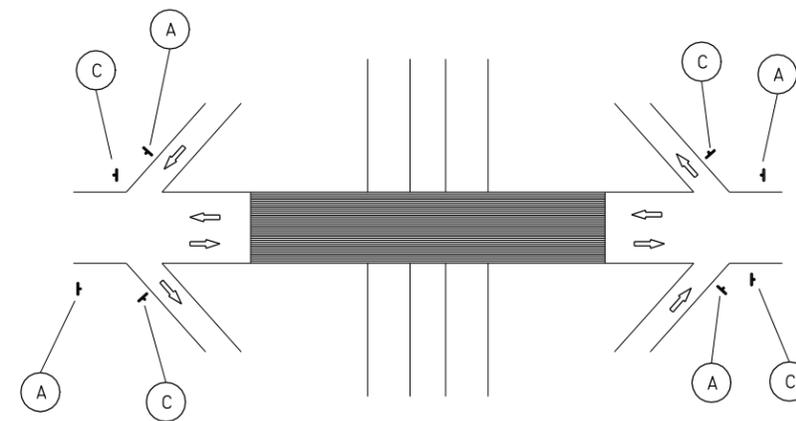
TWO DIRECTION BRIDGE LOCAL ROAD
 (TYPICAL FOR LOCATION 1)



TWO DIRECTION BRIDGE LOCAL ROAD
 (TYPICAL FOR LOCATIONS 4,5,7,9,10, AND 14)



ONE DIRECTION BRIDGE FREEWAY RAMP
 (TYPICAL FOR LOCATIONS 2 AND 3)



TWO DIRECTION BRIDGE LOCAL ROAD
 (TYPICAL FOR LOCATIONS 6 AND 8)

CONSTRUCTION AREA SIGNS
 NO SCALE

CS-1

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

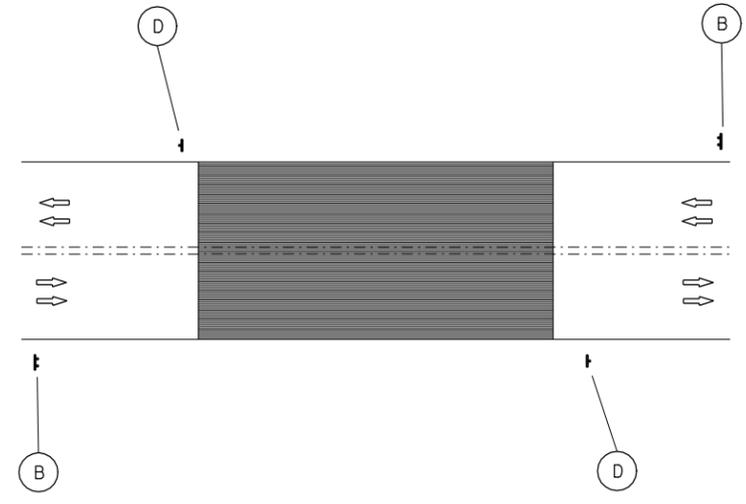
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 FUNCTIONAL SUPERVISOR
 JOSEPH W. HORTON
 TRAFFIC
 CHECKED BY
 JEFF JEWETT
 DESIGNED BY
 CHUCK COOK
 REVISIONS
 REVISED BY
 DATE REVISED

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Piñ, Nev	80	Var	5	33

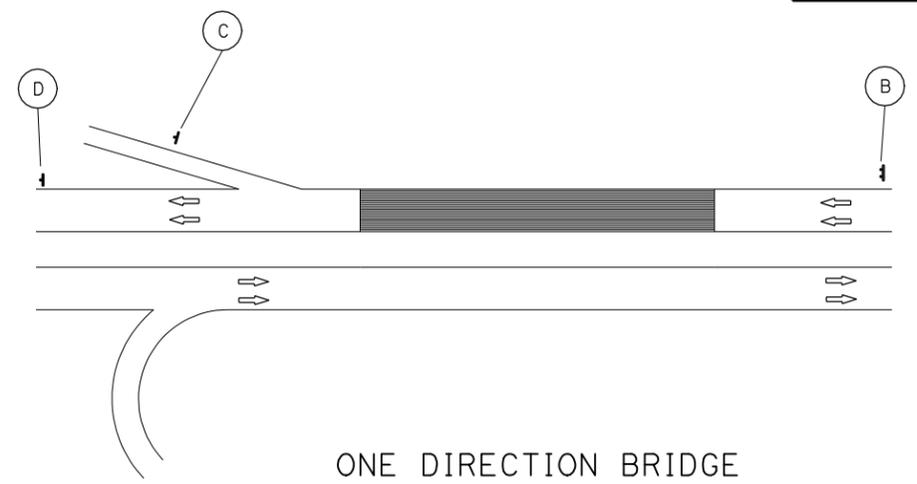
James M. Ferreira 11-8-10
 REGISTERED CIVIL ENGINEER DATE
 11-22-10
 PLANS APPROVAL DATE

Jeffrey S. Jewett
 No. 49233
 Exp. 9-30-12
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA

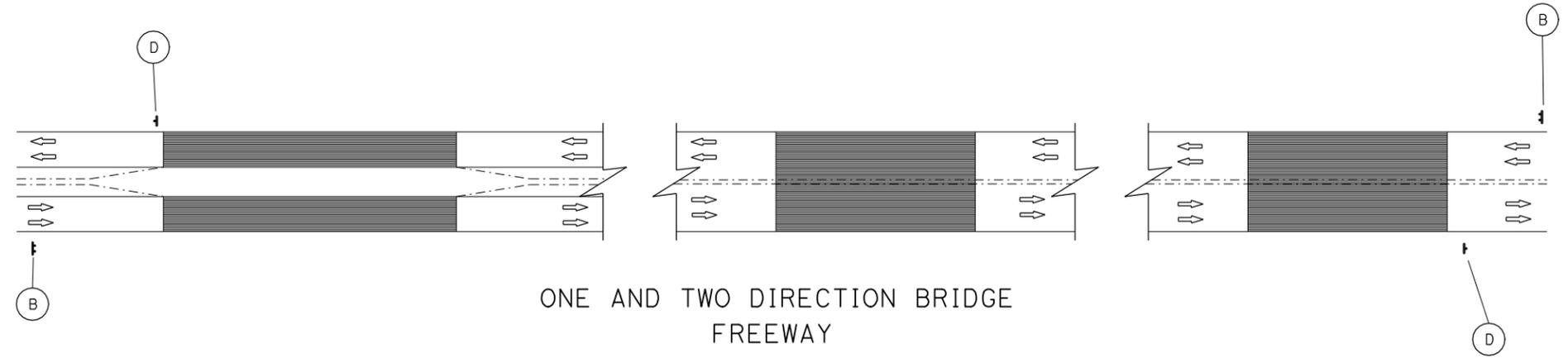
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TWO DIRECTION BRIDGE FREEWAY
 (TYPICAL FOR LOCATIONS 15,16,17,18,24, AND 25)



ONE DIRECTION BRIDGE FREEWAY
 (TYPICAL FOR LOCATION 23)



ONE AND TWO DIRECTION BRIDGE FREEWAY
 (TYPICAL FOR LOCATIONS 19,20,21,22)

CONSTRUCTION AREA SIGNS
 NO SCALE

CS-2

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
St. Gobans
 FUNCTIONAL SUPERVISOR: JOSEPH W. HORTON
 CHECKED BY: []
 DESIGNED BY: []
 CHUCK COOK: JEFF JEWETT
 REVISED BY: [] DATE REVISED: []

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq, Nev	80	Var	6	33

James M. Ferreira 11-8-10
 REGISTERED CIVIL ENGINEER DATE
 11-22-10
 PLANS APPROVAL DATE

Jeffrey S. Jewett
 No. 49233
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

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THERMOPLASTIC TRAFFIC STRIPE

LOCATION	4" THERMOPLASTIC TRAFFIC STRIPE			
	DETAIL NUMBER			
	21 (LF)	22 (LF)	25A (LF)	27B (LF)
1				
2			185	185
3			471	471
4		430		
5		584		584
6	580			
7	580			580
8	480			
9	588			
10	604			
SUBTOTAL	2,832	1,014	656	1,820
TOTAL	6,322			

THERMOPLASTIC TRAFFIC STRIPE (RECESSED)

LOCATION	4" THERMOPLASTIC TRAFFIC STRIPE (RECESSED)		4" THERMOPLASTIC TRAFFIC STRIPE (RECESSED, BROKEN 36 - 12)	8" THERMOPLASTIC TRAFFIC STRIPE (RECESSED)	8" THERMOPLASTIC TRAFFIC STRIPE (RECESSED, BROKEN 12 - 3)
	DETAIL NUMBER		DETAIL NUMBER	DETAIL NUMBER	DETAIL NUMBER
	24 (LF)	27B (LF)	11 (LF)	36 (LF)	37 (LF)
15	414	414	621		
16	532	532	532		
17	412	412	412		
18	406	406	406		206
19	622	622	1,244		
20	622	622	622		
21	760	760	760		
22	850	850	850		
23	1,078	1,078	1,078	277	
24	306	306	459		
25	902	902	902	590	348
SUBTOTAL	6,904	6,904	7,886	867	554
TOTAL	13,808		7,886	867	554

NOTE: DETAILS 36 AND 37 ARE TO BE PLACED WITHOUT RETROREFLECTIVE PAVEMENT MARKERS.

REMOVE TRAFFIC STRIPE

LOCATION	DESCRIPTION EDGE LINE (LF)
2	185
3	471
5	584
TOTAL	1,240

PAVEMENT MARKER

LOCATION	DETAIL NUMBER	RETROREFLECTIVE			NON-REFLECTIVE	
		TYPE G (EACH)	TYPE D (EACH)	TYPE H (EACH)	TYPE A (EACH)	TYPE AY (EACH)
1	10,23,37C	35	26		148	120
2	25A			5		
3	25A			11		
4	22		18			
5	22		28			
SUBTOTAL		35	72	16	148	120
TOTAL		123			268	

TWO-COMPONENT PAINT TRAFFIC STRIPE

LOCATION	4" TWO-COMPONENT PAINT TRAFFIC STRIPE	6" TWO-COMPONENT PAINT TRAFFIC STRIPE
	DETAIL NUMBER	DETAIL NUMBER
	21 (LF)	39 (LF)
14	494	494
TOTAL	494	494

REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)

LOCATION	DESCRIPTION	
	EDGE LINE (LF)	CENTERLINE (LF)
2	185	
3	471	
4		430
5		584
SUBTOTAL	656	1,014
TOTAL	1,670	

PAVEMENT DELINEATION QUANTITIES

PDQ-1

DATE PLOTTED => 06-DEC-2010 TIME PLOTTED => 09:24

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 MAINTENANCE

FUNCTIONAL SUPERVISOR
 BRIAN D. TOEPFER

CALCULATED-DESIGNED BY
 CHECKED BY

JIM FERREIRA
 BRIAN D. TOEPFER

REVISOR BY
 DATE

REVISOR BY
 DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plac, Nev	80	Var	7	33

James M. Ferreira 11-8-10
 REGISTERED CIVIL ENGINEER DATE

11-22-10
 PLANS APPROVAL DATE

JIM FERREIRA
 No. 48257
 Exp. 6/30/12
 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.

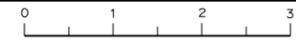
COLD PLANE AC PAVEMENT and MINOR HOT MIX ASPHALT

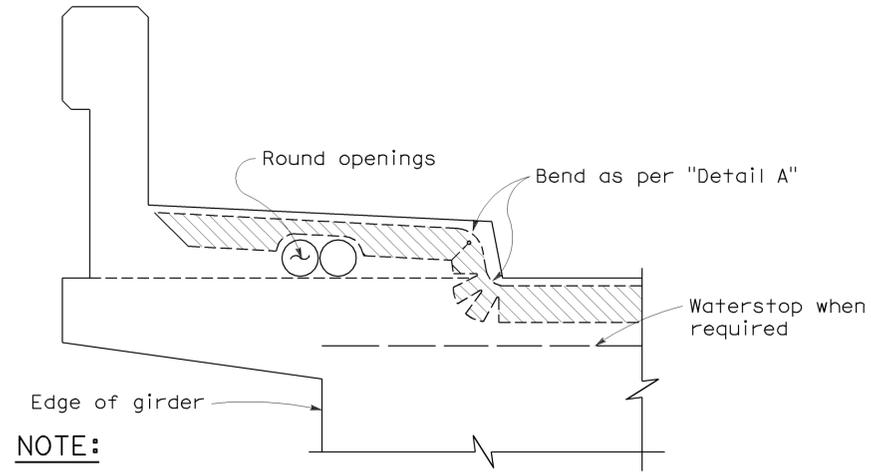
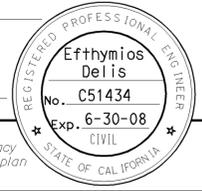
LOCATION No.	COUNTY	ROUTE	POST MILE	STRUCTURE NAME	BRIDGE No.	COLD PLANE ASPHALT CONCRETE PAVEMENT	MINOR HOT MIX ASPHALT
						(SQYD)	(TON)
6	Plac	80	R22.21	NEILS Rd OC	19 0127	900	100
7	Plac	80	R23.43	PLACER HILLS OC	19 0128	900	100
9	Plac	80	27.39	HEATHER GLEN OC	19 0131	700	80
10	Plac	80	31.79	ILLINOISTOWN OC	19 0085	700	80
14	Nev	80	13.22	DONNER PARK OC	17 0045	900	100
SUB-TOTAL						4,100	460
TOTAL						4,100	460

SUMMARY OF QUANTITIES

NO SCALE

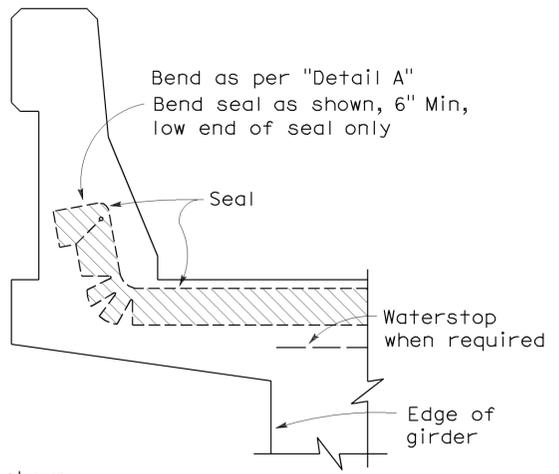
Q-1



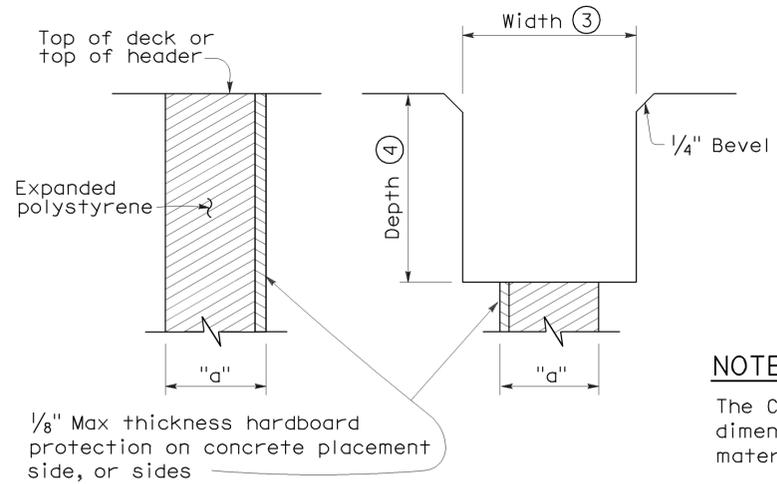


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



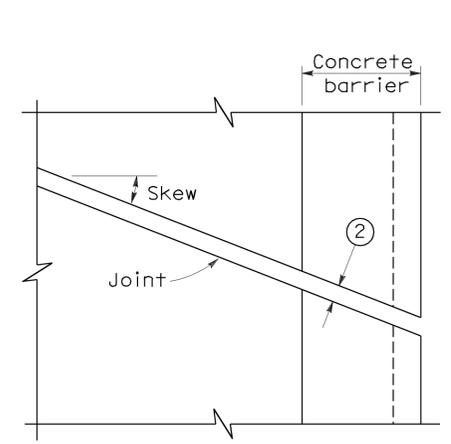
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

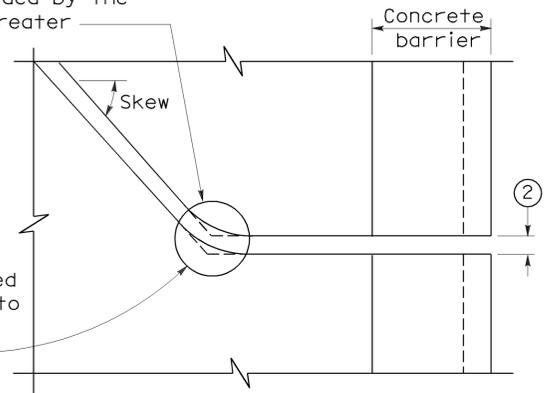
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



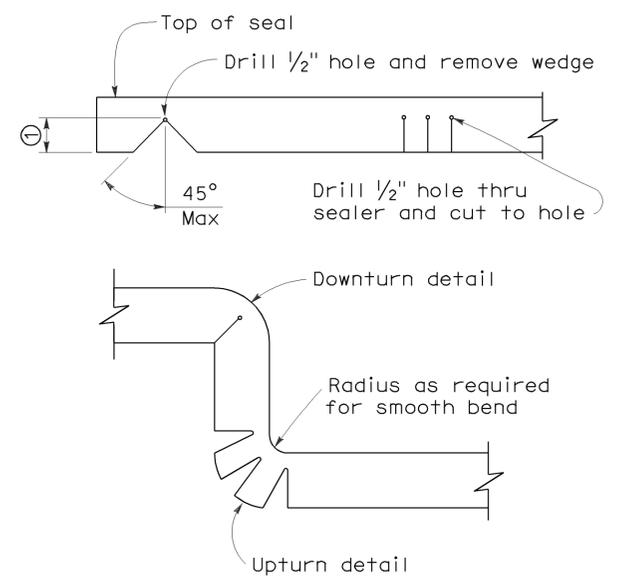
PLAN OF JOINT (SKEW ≤ 20°)

Min ϕ radius to be 4 times uncompressed width of seal or as recommended by the manufacturer, whichever is greater



PLAN OF JOINT (SKEW > 20°)

In lieu of saw cutting, this area may be blocked out and reconstructed to match saw cutting on both sides.



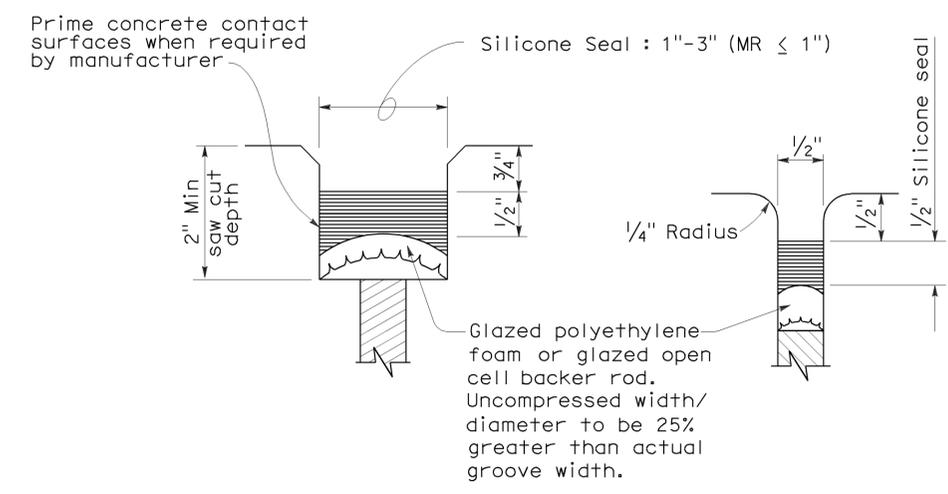
DETAIL A

- NOTES:**
- Make smooth cuts from the bottom of seal to 1 1/2" clear of top leaving at least one complete cell between the top of the cut and top of the seal. When necessary cut back of seal to clear conduit and round openings.
 - Opening in barrier to match width of sawn deck joint.
 - Sawcut groove widths shall be as ordered by the Engineer.
 - Depth of sawcut: Type A - Depth to be 2" minimum.
 Type B - Depth to be equal to or greater than the depth of seal measured along the contact surface, when compressed to minimum width position (W₂) plus dimensions shown.
 - MR (movement rating) as shown on other plan sheets.
 - Other depths must be approved by the Engineer.

DIMENSIONS "a" OF JOINT REQUIRED

Movement Rating (MR) ⑤	Bridge Type	"a" Dimension		
		Deck Concrete Placed		
		Winter	Fall-Spring	Summer
2"	All except CIP/PS	1 1/2"	1 1/4"	3/4"
	CIP/PS	1 1/4"	1"	1/2"
1 1/2"	All except CIP/PS	1 1/4"	1"	1/2"
	CIP/PS	1"	3/4"	1/2"
1"	All except CIP/PS	1"	3/4"	1/2"
	CIP/PS	3/4"	1/2"	1/2"
1/2"	All except CIP/PS	3/4"	3/4"	1/2"
	CIP/PS	1/2"	1/2"	1/2"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
JOINT SEALS
(MAXIMUM MOVEMENT RATING = 2")
 NO SCALE

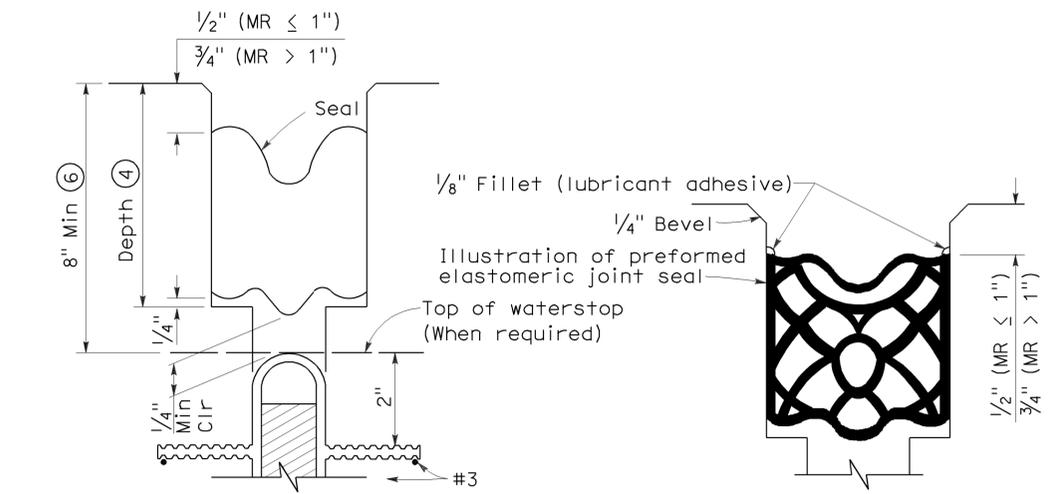


TYPE A SEAL

Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W₂)

TYPE B SEAL

Movement Rating ≤ 2"

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

2006 REVISED STANDARD PLAN RSP B6-21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Nev	80	Var	9	33

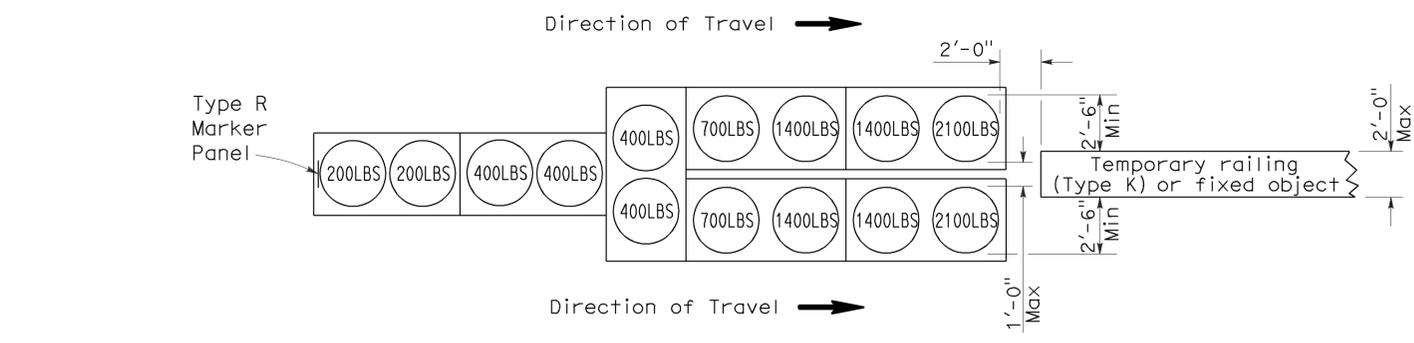
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

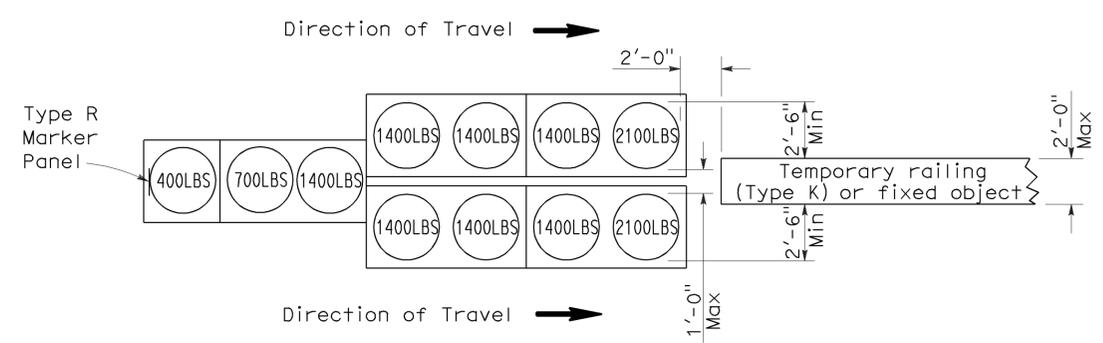
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated November 8, 2010



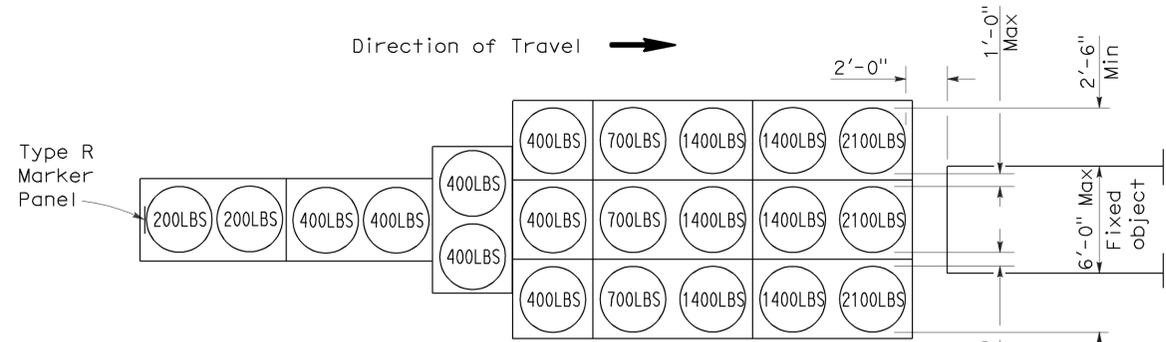
ARRAY 'TU14'

Approach speed 45 mph or more



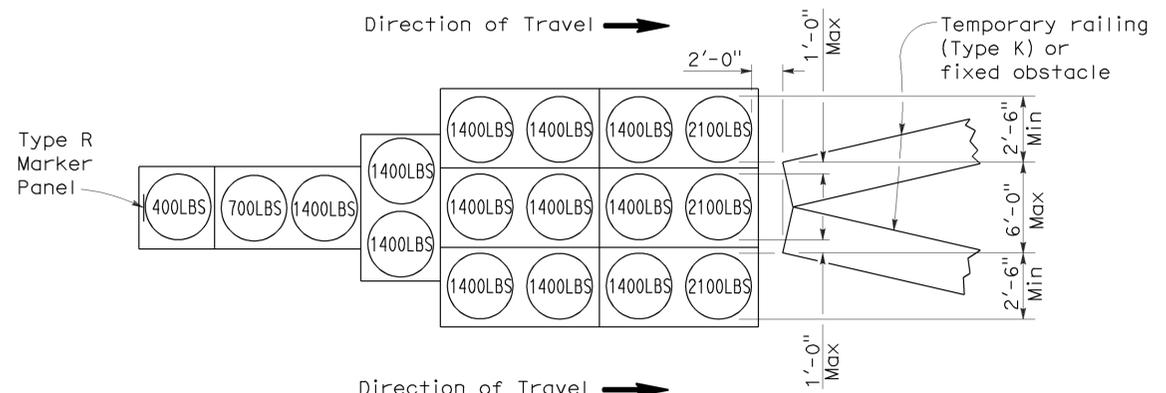
ARRAY 'TU11'

Approach speed less than 45 mph



ARRAY 'TU21'

Approach speed 45 mph or more

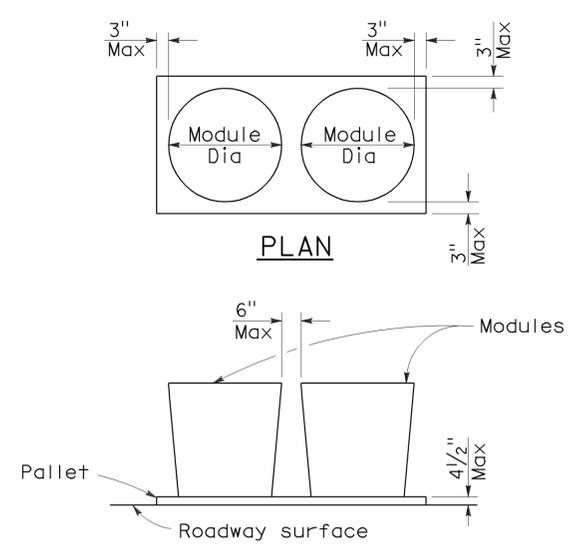


ARRAY 'TU17'

Approach speed less than 45 mph

NOTES:

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



CRASH CUSHION PALLET DETAIL
See Note 7

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**

NO SCALE

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

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

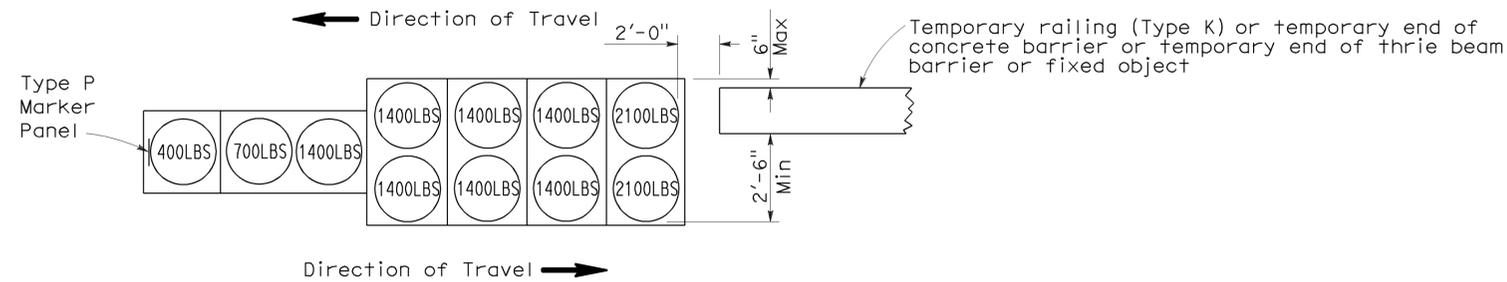
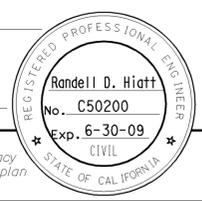
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Pla, Nev	80	Var	10	33

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

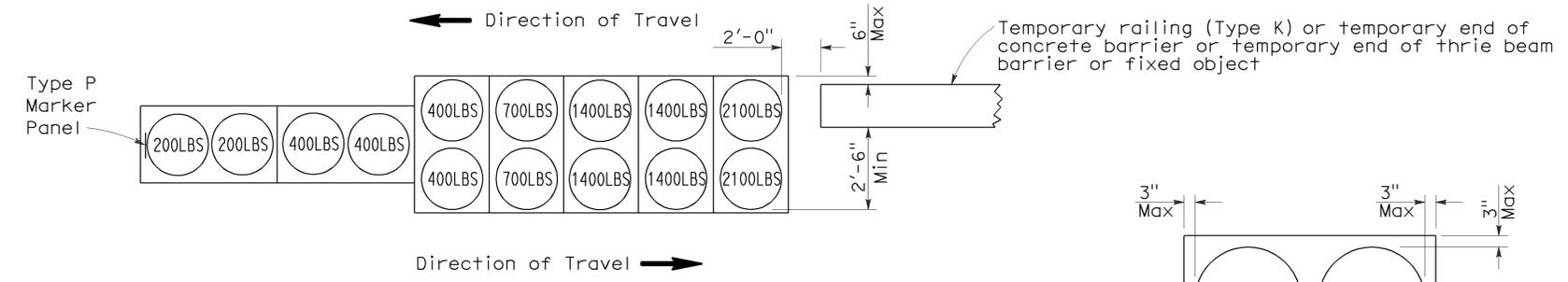
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated November 8, 2010



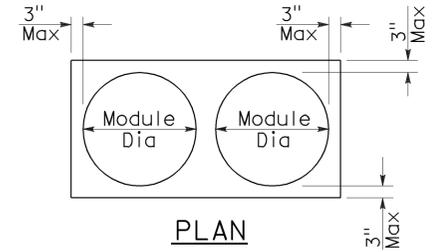
ARRAY 'TB11'

Approach speed less than 45 mph

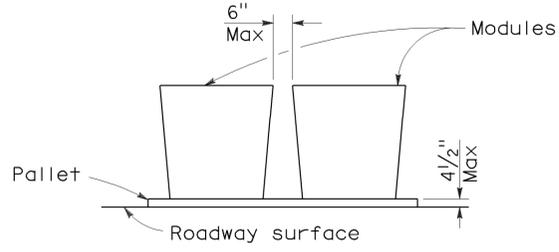


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(BIDIRECTIONAL)**

NO SCALE

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

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	11	33

Charles R. Hutchinson 9-28-10
 REGISTERED CIVIL ENGINEER DATE

11-08-10
 PLANS APPROVAL DATE

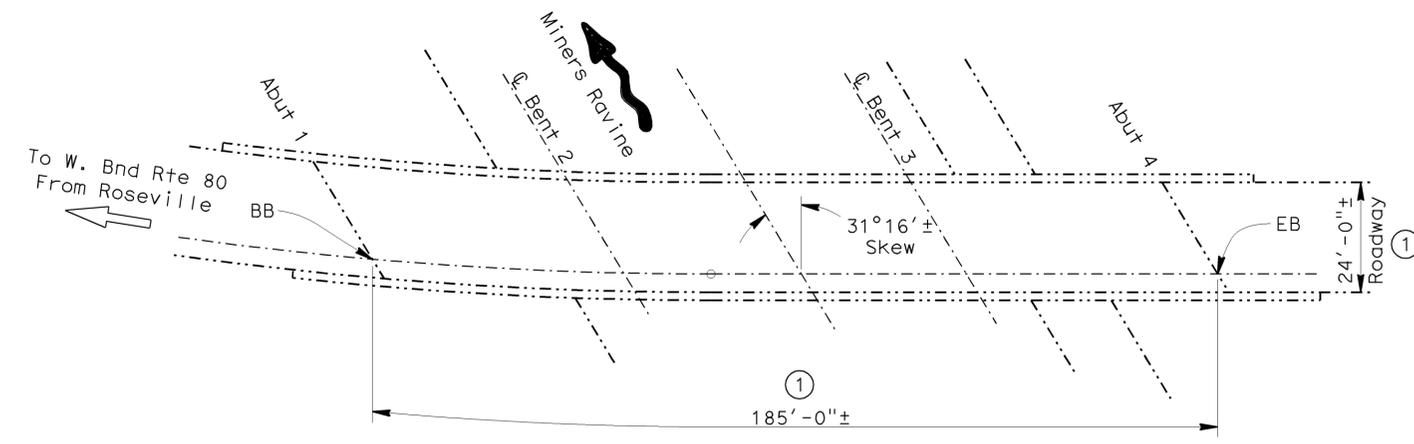
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 CHARLES R. HUTCHINSON
 No. C 54226
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA

MINERS RAVINE BR NO. 19-00056K

QUANTITIES

REMOVE UNSOUND CONCRETE	11	CF
CLEAN BRIDGE DECK	4,440	SQFT
RAPID SETTING CONCRETE (PATCH)	11	CF
TREAT BRIDGE DECK	4,440	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	50	GAL



MINERS RAVINE
 BR. NO. 19-0056K, RTE 80, PLA, PM 2.85
 1"=20'

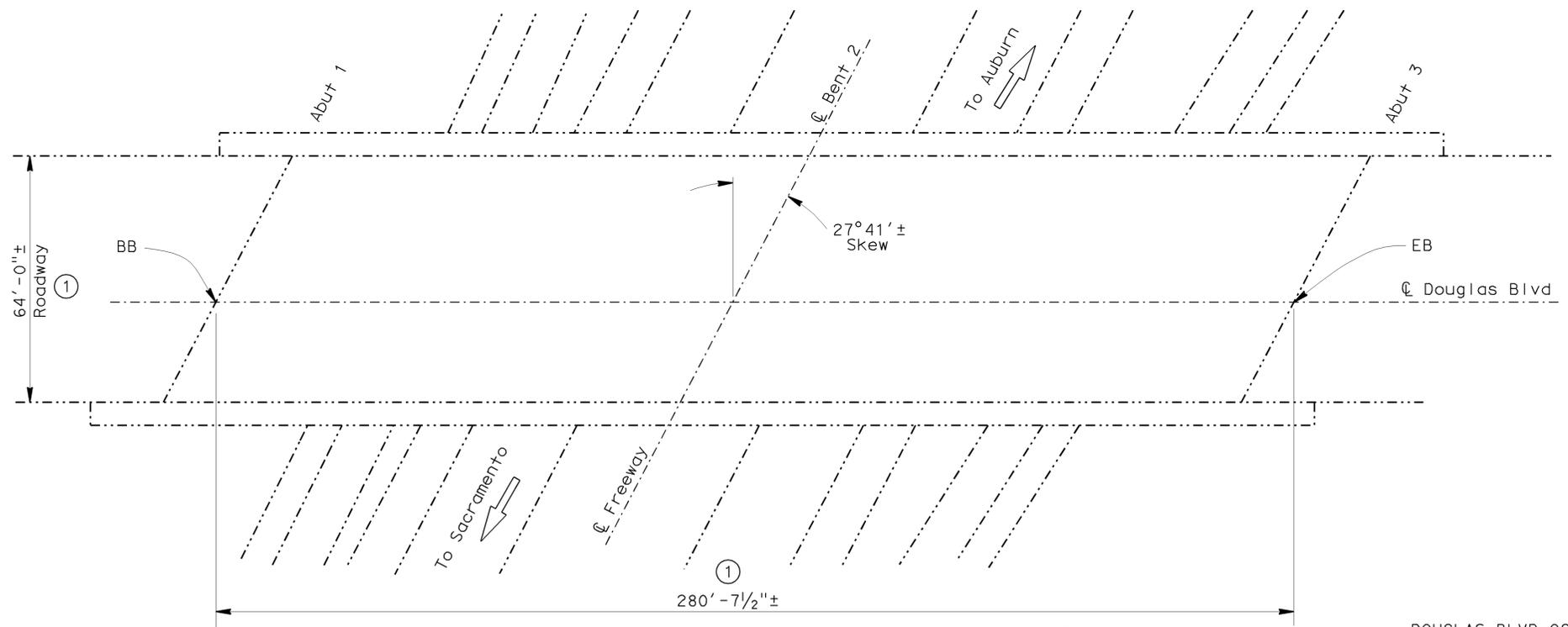
NOTES: (APPLY TO THIS SHEET ONLY)

----- Indicates existing.

① Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment. For details, see "DECK REPAIR DETAIL" on JOINT SEAL DETAILS NO. 2 sheet.

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. 11
11	GENERAL PLAN NO. 10
12	GENERAL PLAN NO. 12
13	GENERAL PLAN NO. 13
14	GENERAL PLAN NO. 14
15	JOINT SEAL DETAILS NO. 1
16	JOINT SEAL DETAILS NO. 2
17	JOINT SEAL DETAILS NO. 3
18	SNOW PLOW DEFLECTOR DETAILS
19	MISCELLANEOUS DETAILS
20	RESTRAINER CABLE DETAILS NO. 1
21	RESTRAINER CABLE DETAILS NO. 2
22	JOINT SEAL ASSEMBLY (MAXIMUM MOVEMENT RATING=4")
23	DECK PLATING DETAILS



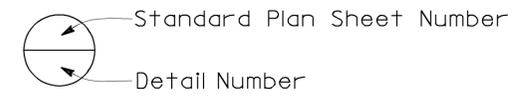
DOUGLAS BLVD OVERCROSSING
 BR. NO. 19-0079, RTE 80, PLA, PM 1.98
 1"=20'

DOUGLAS BLVD OC BR NO. 19-0079

QUANTITIES

REMOVE UNSOUND CONCRETE	45	CF
CLEAN BRIDGE DECK	17,959	SQFT
RAPID SETTING CONCRETE (PATCH)	45	CF
TREAT BRIDGE DECK	17,959	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	201	GAL

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



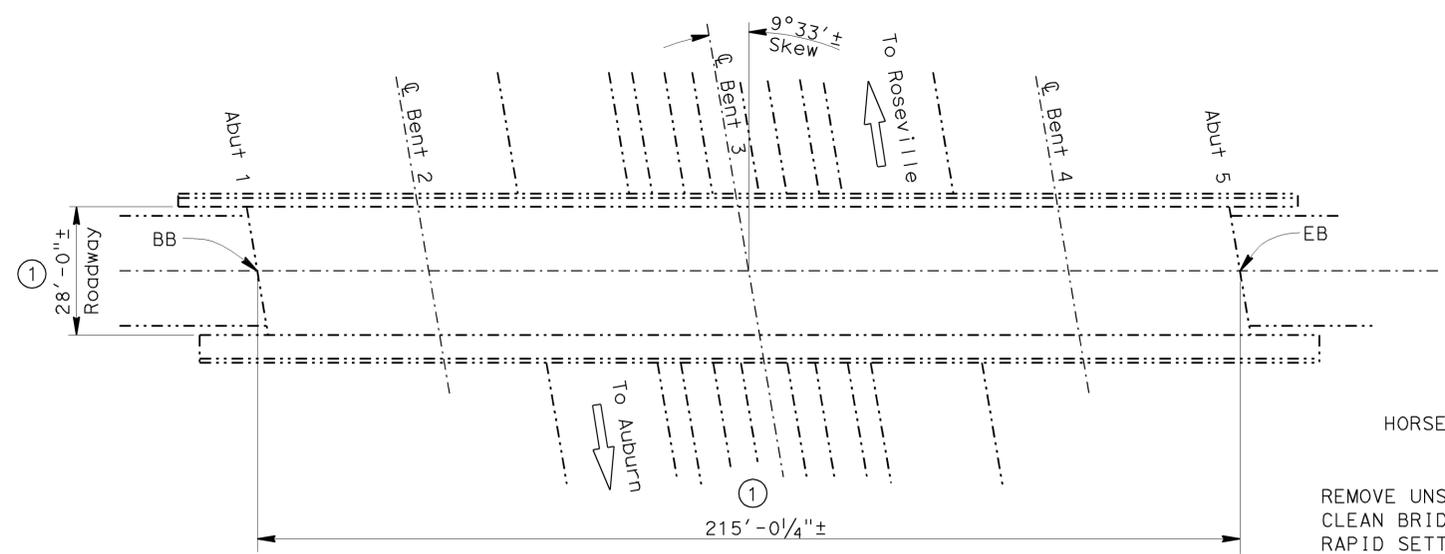
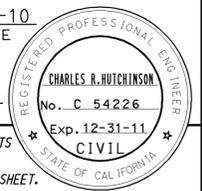
STANDARD PLANS DATED MAY 2006

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

 DESIGN ENGINEER 9-28-10	DESIGN BY Charles Hutchinson	CHECKED BY Brian Nguyen	LAYOUT BY Trung Lam	CHECKED BY Charles Hutchinson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTE 80 BRIDGES GENERAL PLAN NO. 1
	DETAILS BY Trung Lam	CHECKED BY Brian Nguyen	SPECIFICATIONS BY John Jiang	PLANS AND SPECIFICATIONS COMPARED BY John Jiang			POST MILE VARIES	
QUANTITIES BY Charles Hutchinson	CHECKED BY Brian Nguyen	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			CU 03 EA 3M6801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 1 OF 23

DATE PLOTTED => 19-NOV-2010 TIME PLOTTED => 10:42
 USERNAME => TLGM
 FILE => 03-3m6801_01_gp1.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	12	33
<i>Charles R. Hutchinson</i> REGISTERED CIVIL ENGINEER			9-28-10	DATE	
11-08-10 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					



HORSESHOE BAR OVERCROSSING

BR. NO. 19-0097, RTE 80, PLA, PM 8.72
1"=20'

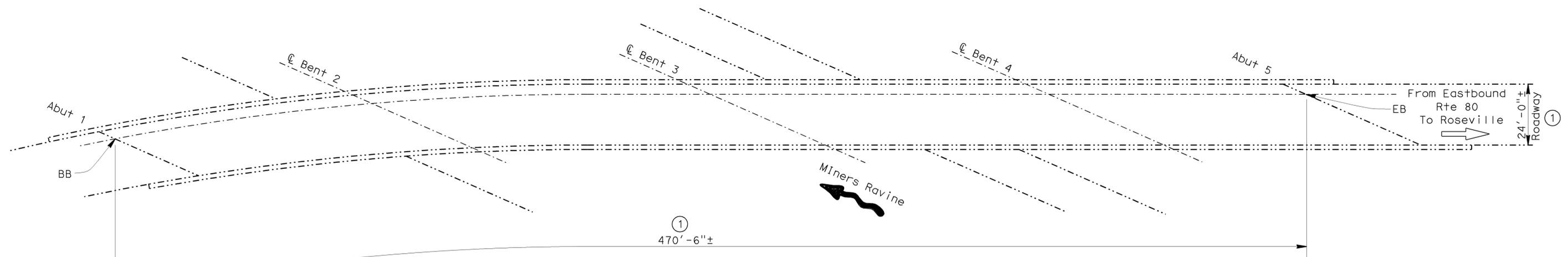


HORSESHOE BAR OC BR NO. 19-0097

QUANTITIES

REMOVE UNSOUND CONCRETE	15	CF
CLEAN BRIDGE DECK	6,020	SQFT
RAPID SETTING CONCRETE (PATCH)	15	CF
TREAT BRIDGE DECK	6,020	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	67	GAL

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates existing.
 - ① Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment. See "DECK REPAIR DETAIL" on JOINT SEAL DETAILS NO. 2 sheet for details.



MINERS RAVINE

BR. NO. 19-0056S, RTE 80, PLA, PM 2.91
1"=20'



MINERS RAVINE BR NO. 19-0056S

QUANTITIES

REMOVE UNSOUND CONCRETE	28	CF
CLEAN BRIDGE DECK	11,280	SQFT
RAPID SETTING CONCRETE (PATCH)	28	CF
TREAT BRIDGE DECK	11,280	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	126	GAL

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

Michael J. Lee
DESIGN ENGINEER 9-28-10

DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen
DETAILS	BY Trung Lam	CHECKED Brian Nguyen
QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen

LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson
SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	
VARIES	

ROUTE 80 BRIDGES
GENERAL PLAN NO. 2

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 03
EA 3M6801

DISREGARD PRINTS BEARING EARLIER REVISION DATES

4-30-10	5-12-10	7-30-10	9-28-10	11-17-10
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SHEET 2 OF 23

DATE PLOTTED => 19-NOV-2010 TIME PLOTTED => 10:21 USERNAME => TLM

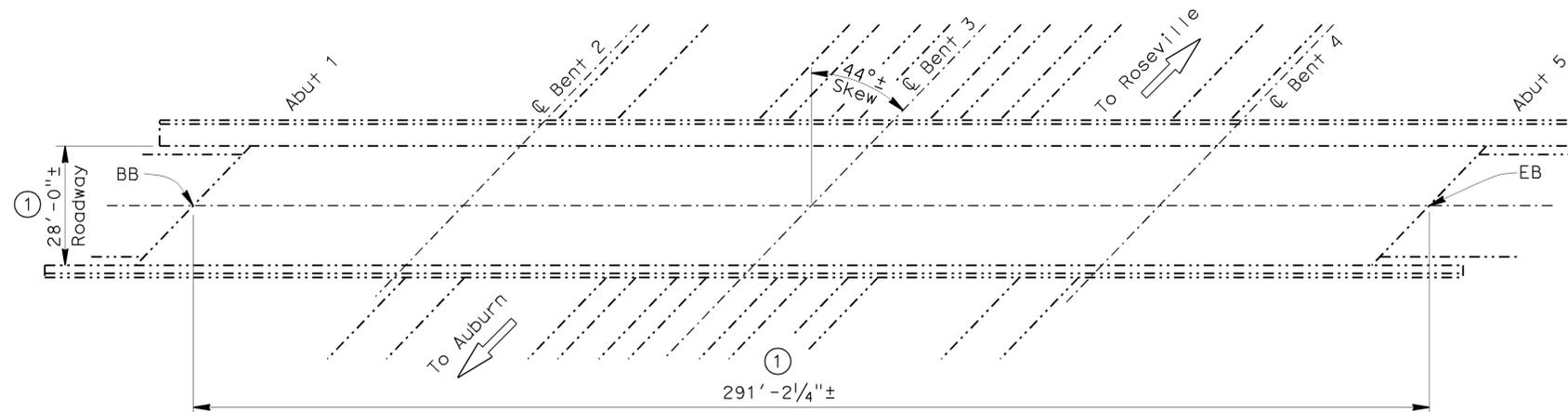
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	13	33

Charles R. Hutchinson 9-28-10
 REGISTERED CIVIL ENGINEER DATE

11-08-10
 PLANS APPROVAL DATE

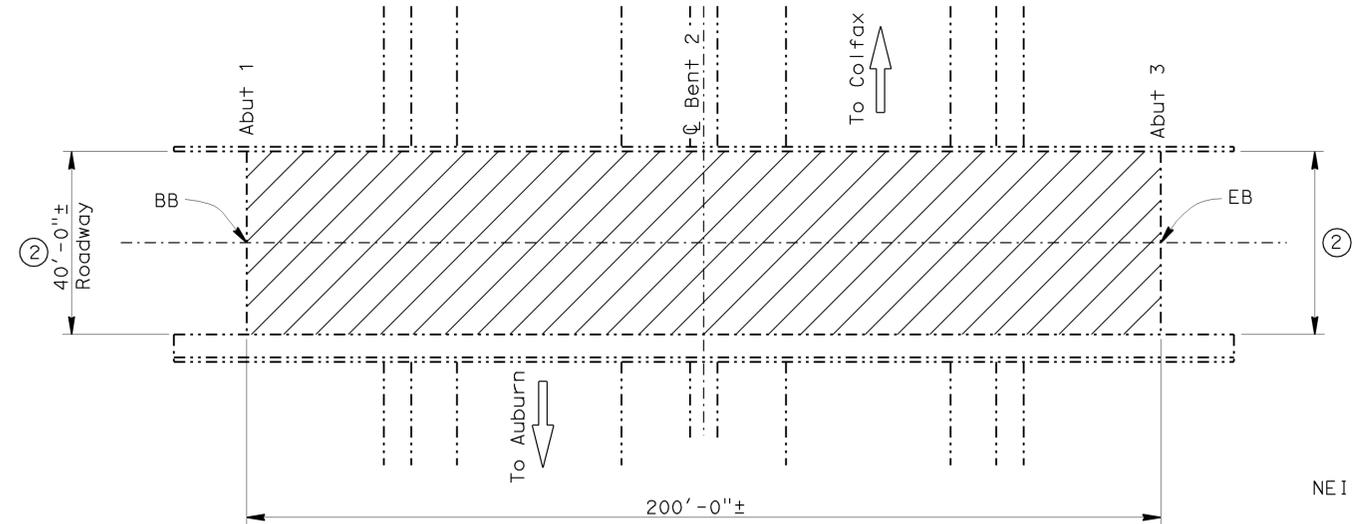
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 CHARLES R. HUTCHINSON
 No. C 54226
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA



KING ROAD OVERCROSSING
 BR. NO. 19-0098, RTE 80, PLA, PM 9.53
 1"=20'

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates existing.
 - ① Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment. For details, see "DECK REPAIR DETAIL" on JOINT SEAL DETAILS NO. 2 sheet.
 - ② See "Road Plans" for remove existing pavement surface to conform to new deck or approach slab grades.



NEILS ROAD OVERCROSSING
 BR. NO. 19-0127, RTE 80, PLA, PM R22.21
 1"=20'

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

 DESIGN ENGINEER 9-28-10	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 80 BRIDGES GENERAL PLAN NO. 3		
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED			John Jiang		VARIOUS	
	QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen					POST MILE				
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 03 EA 3M6801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 4-30-10 5-12-10 7-30-10 9-28-10 11-17-10	SHEET 3 OF 23

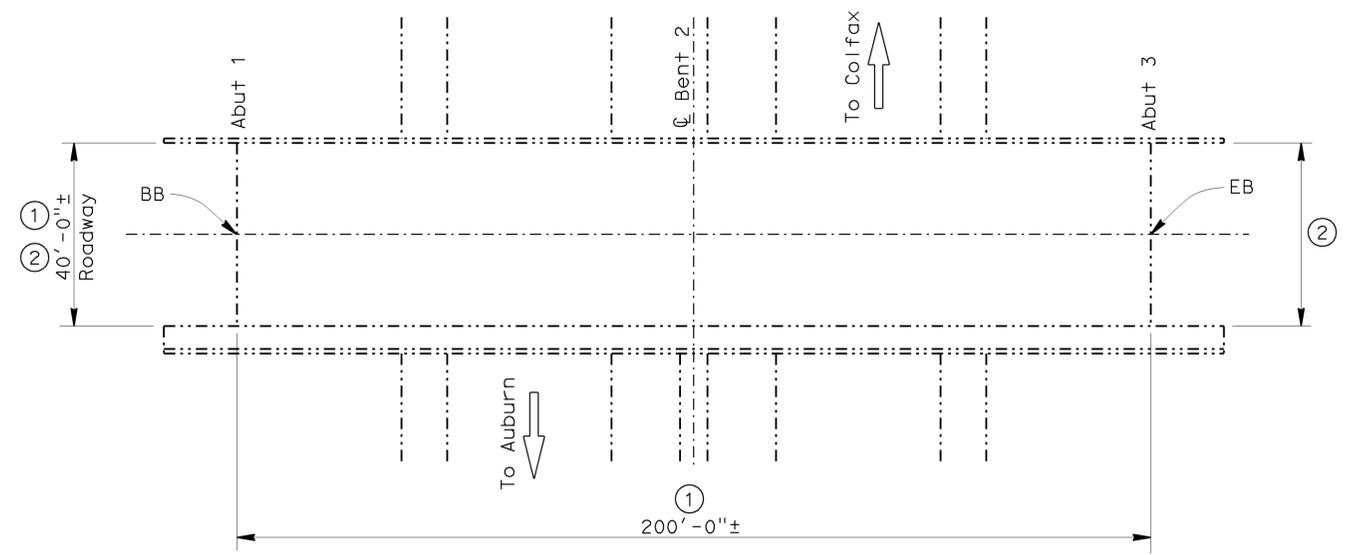
DATE PLOTTED => 19-NOV-2010 TIME PLOTTED => 10:42 USERNAME => TLGM

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	14	33
<i>Charles R. Hutchinson</i> 9-28-10 REGISTERED CIVIL ENGINEER DATE					
11-08-10 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>					

PLACER HILLS ROAD OC BR NO. 19-0128

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	8,000	SOFT
REMOVE UNSOUND CONCRETE	20	CF
CLEAN BRIDGE DECK	8,000	SOFT
RAPID SETTING CONCRETE (PATCH)	20	CF
TREAT BRIDGE DECK	8,000	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	89	GAL



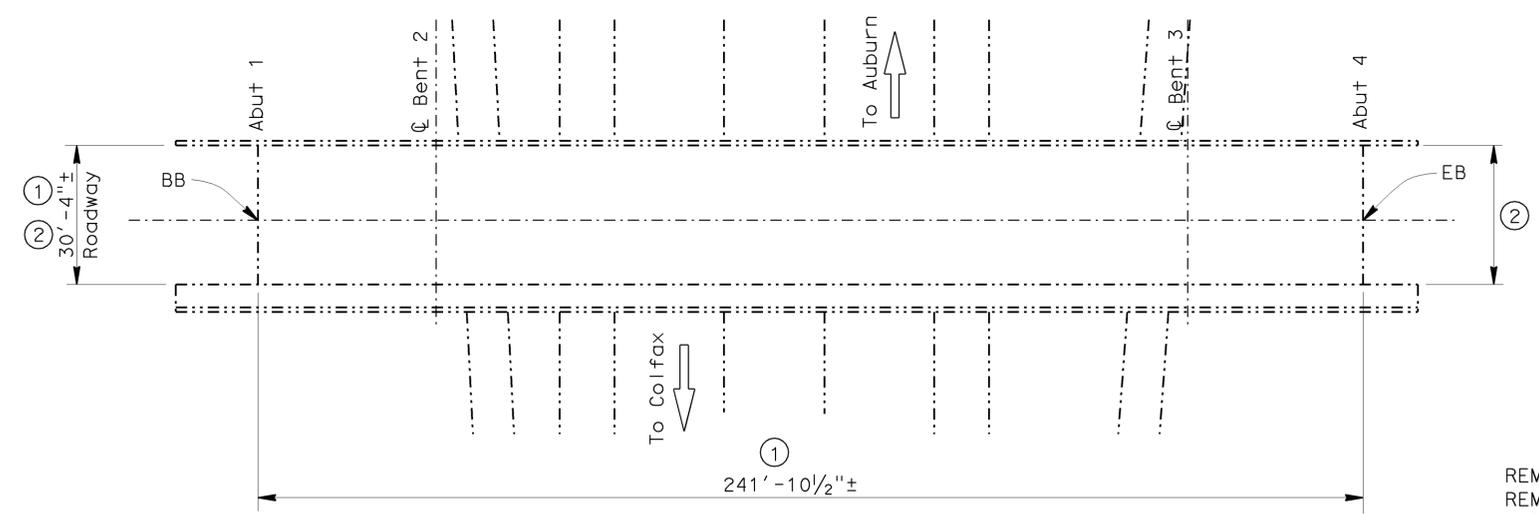
PLACER HILLS OVERCROSSING

BR. NO. 19-0128, RTE 80, PLA, PM R23.43
1"=20'



NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
- ① Indicates limits of remove asphalt concrete surfacing, clean and treat bridge deck with high molecular weight methacrylate. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment. For details, see "DECK REPAIR DETAIL" on JOINT SEAL DETAILS NO. 2 sheet.
- ② See "Road Plans" for remove existing pavement surface to conform to new deck or approach slab grades.



ILLINOISTOWN OVERCROSSING

BR. NO. 19-0085, RTE 80, NEV, PM 31.79
1"=20'



ILLINOISTOWN OC BR NO. 19-0085

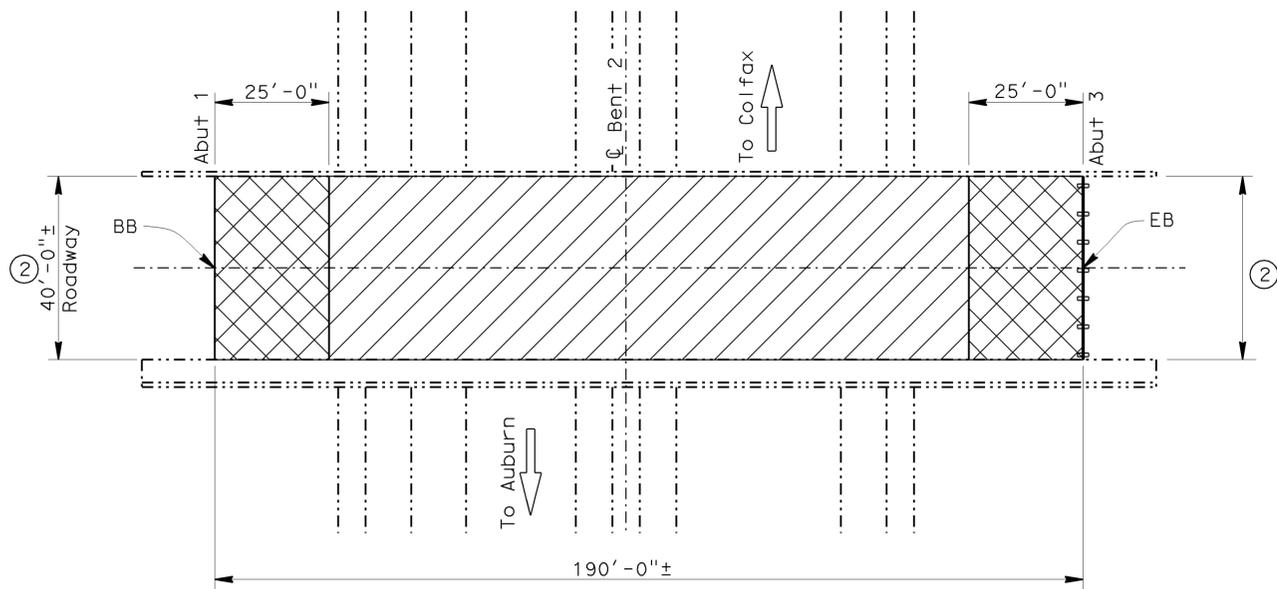
QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	7,327	SOFT
REMOVE UNSOUND CONCRETE	19	CF
CLEAN BRIDGE DECK	7,327	SOFT
RAPID SETTING CONCRETE (PATCH)	19	CF
TREAT BRIDGE DECK	7,327	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	82	GAL

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

 DESIGN ENGINEER 9-28-10	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 80 BRIDGES GENERAL PLAN NO. 4	
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang			VARIOUS		
	QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen				CU 03 EA 3M6801	POST MILE	VARIES		
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 4-30-10 5-12-10 7-30-10 9-28-10 11-17-10	SHEET 4 OF 23

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	15	33
<i>Charles R. Hutchinson</i> 9-28-10 REGISTERED CIVIL ENGINEER DATE					
11-08-10 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>					



CROTHER ROAD OVERCROSSING

BR. NO. 19-0130, RTE 80, PLA, PM R26.21
1"=20'



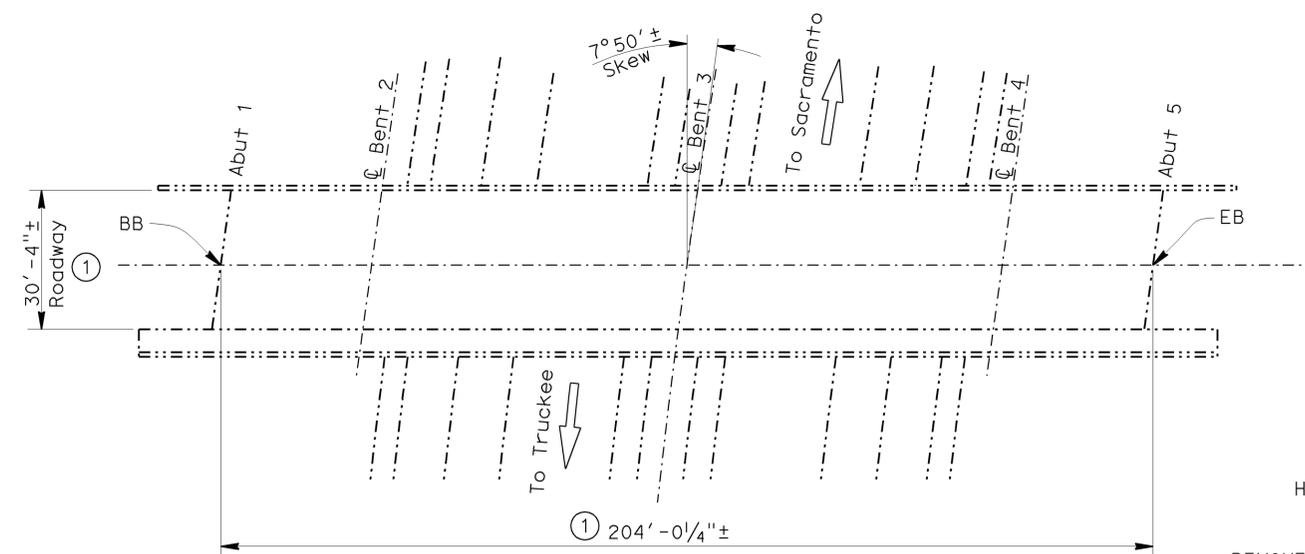
CLOTHER ROAD OC BR NO. 19-0130

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	7,600	SQFT
REMOVE CONCRETE DECK SURFACE	1,000	SQFT
REMOVE UNSOUND CONCRETE	20	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	7,600	SQFT
CLEAN EXPANSION JOINT	47	LF
RAPID SETTING CONCRETE (PATCH)	20	CF
FURNISH POLYESTER CONCRETE OVERLAY	570	CF
PLACE POLYESTER CONCRETE OVERLAY	7,600	SQFT
SNOWPLOW DEFLECTOR	7	EA
JOINT SEAL (MR 1")	48	LF

NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
- ① Indicates limits of remove asphalt concrete surfacing, clean and treat bridge deck with high molecular weight methacrylate. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment. For details, see "DECK REPAIR DETAIL" on JOINT SEAL DETAILS NO. 2 sheet.
- ② See DECK SURFACE REMOVAL DETAIL on JOINT SEAL DETAILS NO. 2 sheet.
- Indicates location of remove existing Joint Seal, place new Joint Seal, and install Snow Plow Deflectors. For details, see JOINT SEAL DETAILS NO. 1 and JOINT SEAL DETAILS NO. 2 sheets. RSP (B6-21)
For Snow Plow Deflectors, see SNOW PLOW DEFLECTOR DETAILS sheet.
- Indicates limits of remove asphalt concrete surfacing, prepare concrete bridge deck surface, remove unsound concrete, patch with rapid setting concrete and place a 3/4" polyester concrete overlay. For details, see JOINT SEAL DETAILS NO. 2 sheet.
- Indicates limits of remove existing concrete deck. For details, see "DECK AND APPROACH SLAB SURFACE REMOVAL DETAIL" on JOINT SEAL DETAILS NO. 2 sheet.



HEATHER GLEN OVERCROSSING

BR. NO. 19-0131, RTE 80, PLA, PM R27.39
1"=20'



HEATHER GLEN OC BR NO. 19-0131

QUANTITIES

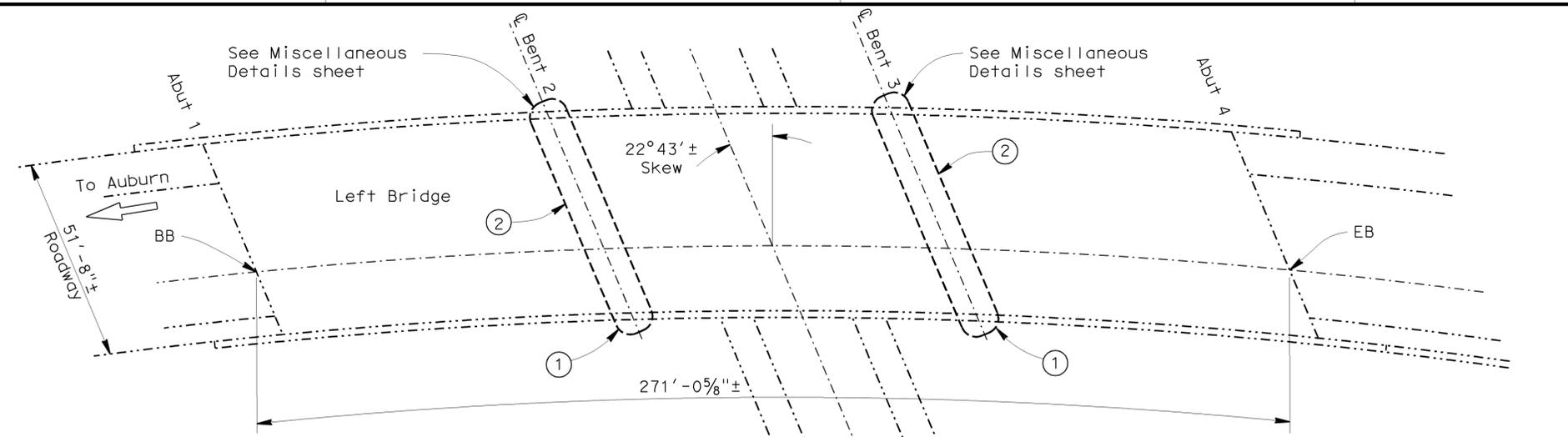
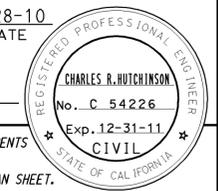
REMOVE ASPHALT CONCRETE SURFACING	6,181	SQFT
REMOVE UNSOUND CONCRETE	16	CF
CLEAN BRIDGE DECK	6,181	SQFT
RAPID SETTING CONCRETE (PATCH)	16	CF
TREAT BRIDGE DECK	6,181	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	69	GAL

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

9-28-10 DESIGN ENGINEER	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 80 BRIDGES										
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang			POST MILE	GENERAL PLAN NO. 5										
QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen						VARIES												
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 03 EA 3M6801	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES: 4-30-10, 5-12-10, 7-30-10, 8-03-10, 9-28-10, 11-17-10					SHEET 5 OF 23					

DATE PLOTTED => 19-NOV-2010 TIME PLOTTED => 10:22 USERNAME => TLM

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	16	33
<i>Charles R. Hutchinson</i> REGISTERED CIVIL ENGINEER			9-28-10	DATE	
11-08-10 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					



DONNER LAKE UC BR NO. 17-0076L

QUANTITIES

REPAIR SPALLED SURFACE AREA	346	SQFT
MISCELLANEOUS METAL (RESTRAINER - CABLE TYPE)	770	LB

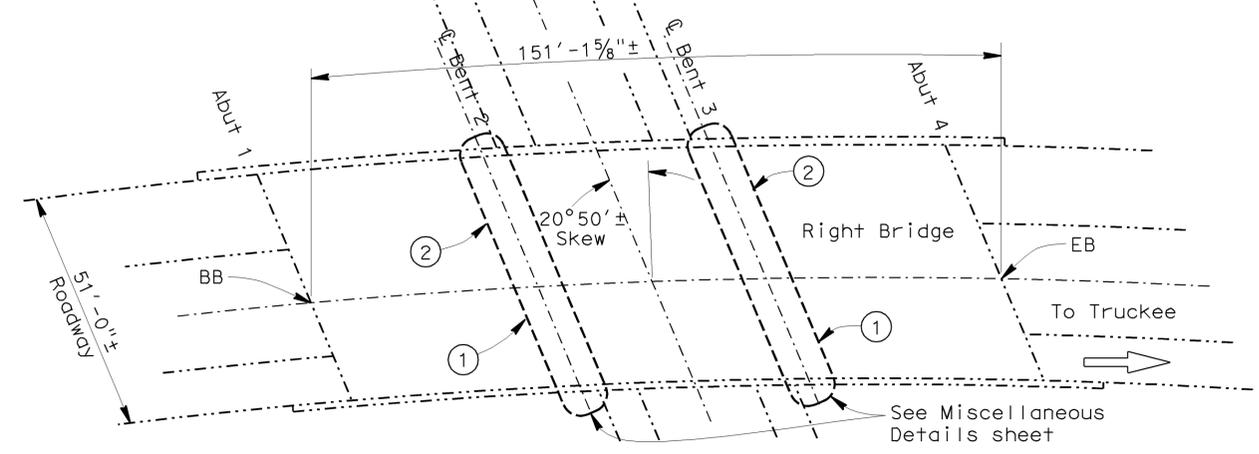
DONNER LAKE UNDERCROSSING
 BR. NO. 17-0076L/R, RTE 80, NEV, PM R9.07
 1"=20'



DONNER LAKE UC BR NO. 17-0076R

QUANTITIES

REPAIR SPALLED SURFACE AREA	215	SQFT
MISCELLANEOUS METAL (RESTRAINER - CABLE TYPE)	770	LB



- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates existing.
 - ① Repair spalled piers. For locations and amount, see MISCELLANEOUS DETAILS sheet.
 - ② Remove and replace existing cable restrainer units. For details, see RESTRAINER CABLE DETAILS NO. 1 sheet.

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

Michael J. Lee
 DESIGN ENGINEER 9-28-10

DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen
DETAILS	BY Trung Lam	CHECKED Brian Nguyen
QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen

LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson
SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
 POST MILE VARIOUS
ROUTE 80 BRIDGES
GENERAL PLAN NO. 6

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

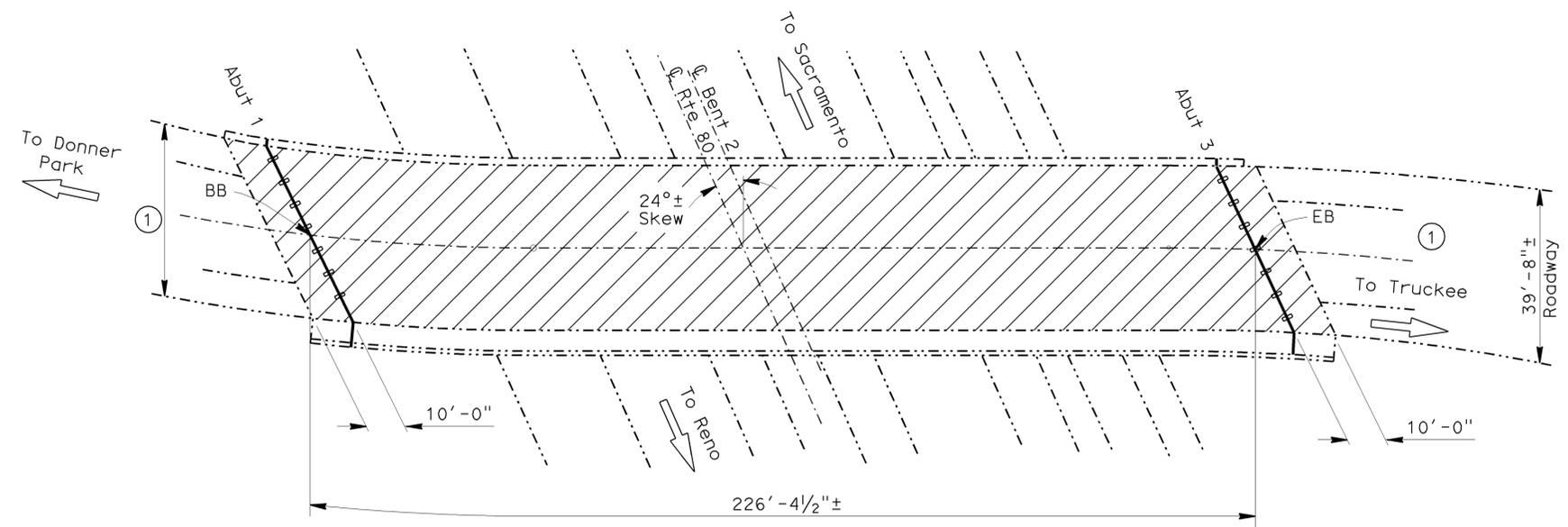
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 03
 EA 3M6801

DISREGARD PRINTS BEARING EARLIER REVISION DATES	4-30-10	5-12-10	7-30-10	9-28-10	11-17-10	SHEET 6 OF 23
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DATE PLOTTED => 19-NOV-2010 TIME PLOTTED => 10:23 USERNAME => TLGM

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	17	33
<i>Charles R. Hutchinson</i> 9-28-10 REGISTERED CIVIL ENGINEER DATE					
11-08-10 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					



DONNER PARK OC BR NO. 17-0045

QUANTITIES

REMOVE CONCRETE DECK SURFACE	9,771	SQFT
REMOVE UNSOUND CONCRETE	24	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	9,771	SQFT
CLEAN EXPANSION JOINT	88	LF
RAPID SETTING CONCRETE (PATCH)	24	CF
FURNISH POLYESTER CONCRETE OVERLAY	732	CF
PLACE POLYESTER CONCRETE OVERLAY	9,771	SQFT
SNOWPLOW DEFLECTOR	19	EA
JOINT SEAL (MR 1")	88	LF

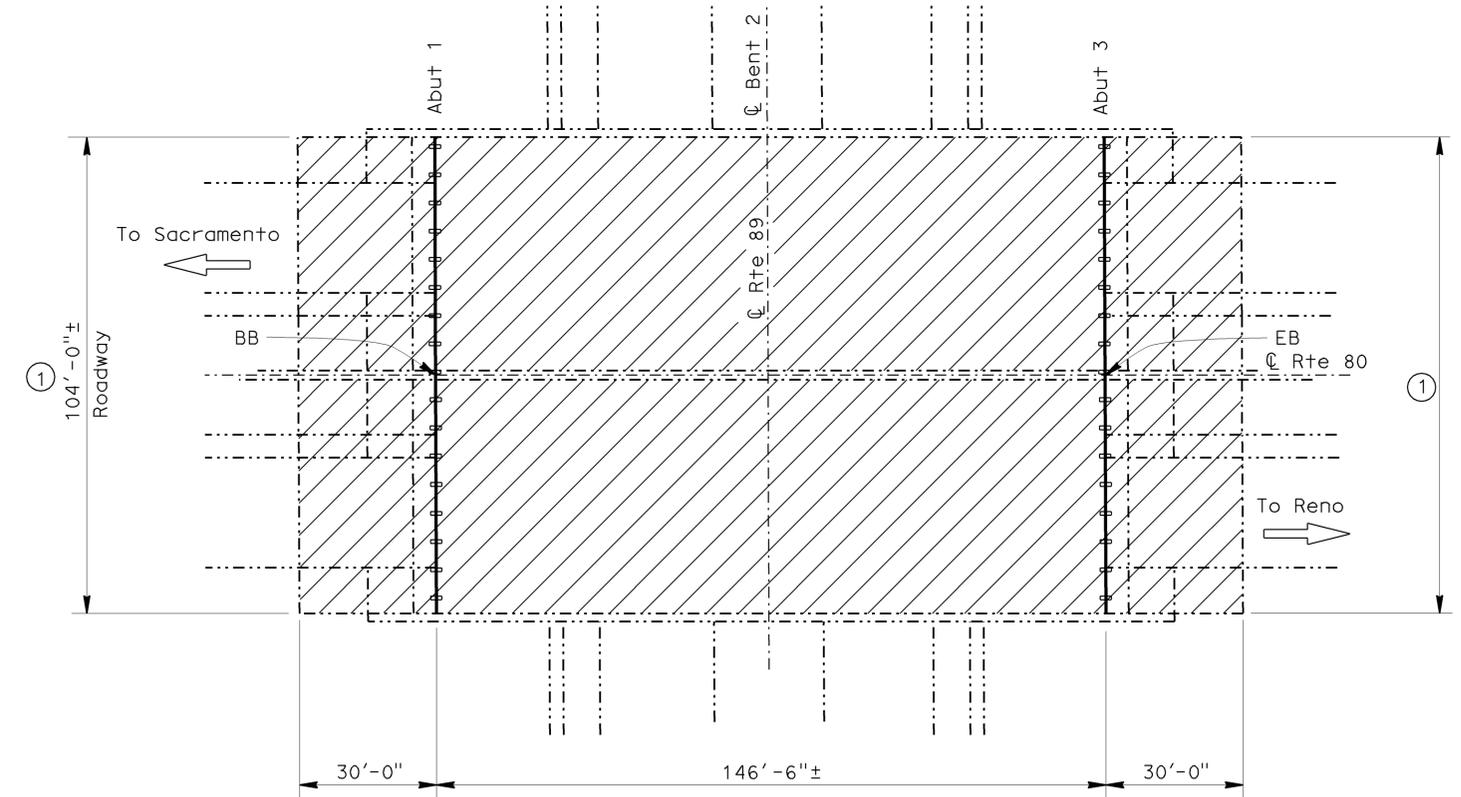
DONNER PARK OVERCROSSING

BR. NO. 17-0045, RTE 80, NEV, PM 13.22
1"=20'



NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
- Indicates limits of remove 3/4"± polyester concrete overlay, prepare concrete bridge deck surface, remove unsound concrete, patch with rapid setting concrete and place a 3/4" polyester concrete overlay. For details, see "DECK REPAIR AND OVERLAY DETAILS" on JOINT SEAL DETAILS NO. 2 sheet.
- Indicates location of remove existing Joint Seal, place new Joint Seal, and install Snow Plow Deflectors. For details, see JOINT SEAL DETAILS NO.1 and JOINT SEAL DETAILS NO. 2 sheets and RSP (B6-21).
- For Snow Plow Deflectors, see SNOW PLOW DEFLECTOR DETAILS sheet.
- ① See "Road Plans" for remove existing pavement surface to conform to new deck or approach slab grades.



ROUTE 80/89 SEPARATION

BR. NO. 17-0029, RTE 80, NEV, PM 14.16
1"=20'



ROUTE 80/89 SEP BR NO. 17-0029

QUANTITIES

REMOVE CONCRETE DECK SURFACE	21,476	SQFT
REMOVE UNSOUND CONCRETE	39	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	21,476	SQFT
CLEAN EXPANSION JOINT	210	LF
RAPID SETTING CONCRETE (PATCH)	39	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,612	CF
PLACE POLYESTER CONCRETE OVERLAY	21,476	SQFT
SNOWPLOW DEFLECTOR	42	EA
JOINT SEAL (MR 1")	210	LF

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

Michael J. Lee 9-28-10
DESIGN ENGINEER

DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen
DETAILS	BY Trung Lam	CHECKED Brian Nguyen
QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen

LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson
SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIOUS
ROUTE 80 BRIDGES
GENERAL PLAN NO. 7

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 03
EA 3M6801

DISREGARD PRINTS BEARING EARLIER REVISION DATES	4-30-10	5-12-10	7-30-10	8-23-10	9-28-10	11-17-10	SHEET 7 OF 23
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DATE PLOTTED => 19-NOV-2010 TIME PLOTTED => 10:23 USERNAME => TLGM

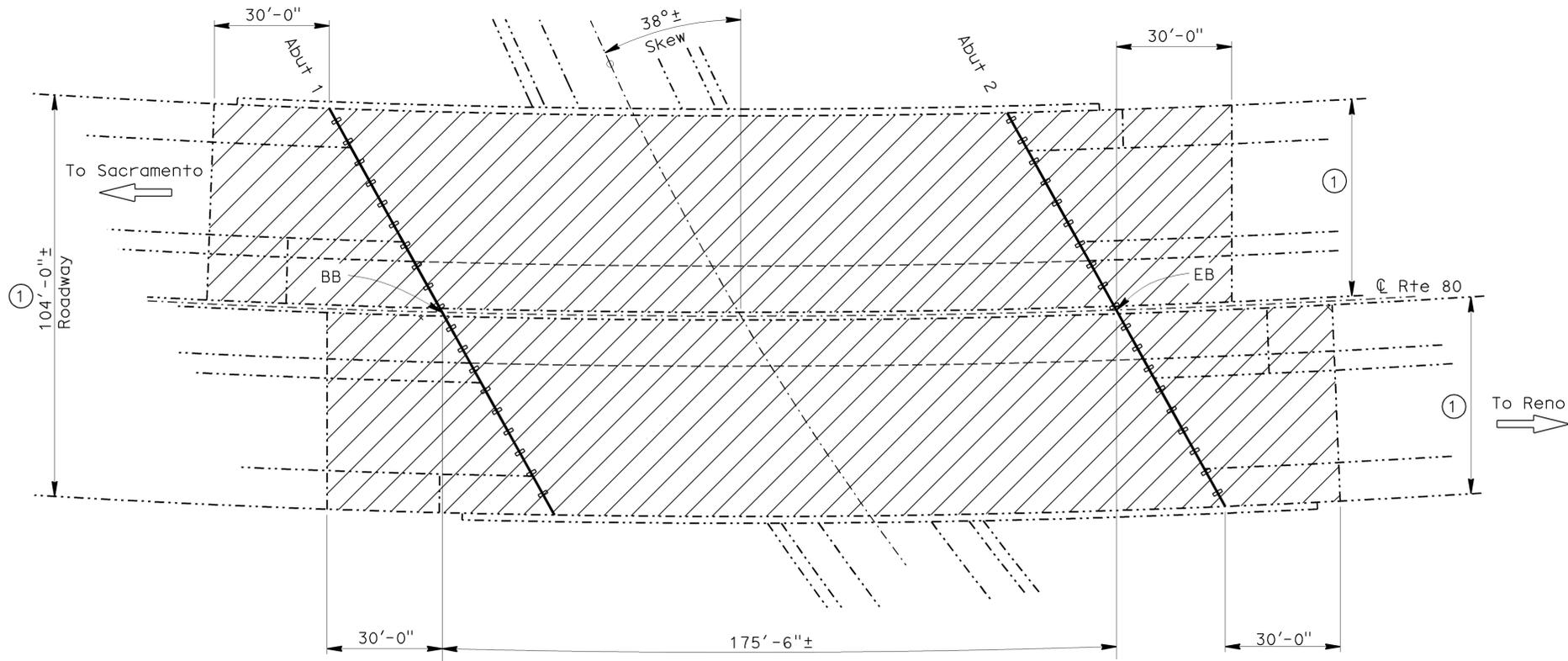
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	18	33

Charles R. Hutchinson 9-28-10
 REGISTERED CIVIL ENGINEER DATE

11-08-10
 PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
 CHARLES R. HUTCHINSON
 No. C 54226
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA



WEST TRUCKEE UNDERCROSSING

BR. NO. 17-0030, RTE 80, NEV, PM 14.97
1"=20'

WEST TRUCKEE UC BR NO. 17-0030

QUANTITIES

REMOVE CONCRETE DECK SURFACE	27,612	SQFT
REMOVE UNSOUND CONCRETE	24	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	27,612	SQFT
CLEAN EXPANSION JOINT	264	LF
RAPID SETTING CONCRETE (PATCH)	24	CF
FURNISH POLYESTER CONCRETE OVERLAY	2,070	CF
PLACE POLYESTER CONCRETE OVERLAY	27,612	SQFT
SNOWPLOW DEFLECTOR	102	EA
JOINT SEAL (MR 1")	264	LF

NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
- Indicates limits of remove 3/4"± polyester concrete overlay, prepare concrete bridge deck surface, remove unsound concrete, patch with rapid setting concrete and place a 3/4" polyester concrete overlay. For details, see "DECK REPAIR AND OVERLAY DETAILS" on JOINT SEAL DETAILS NO. 2 sheet.
- Indicates location of remove existing Joint Seal, place new Joint Seal, and install Snow Plow Deflectors. For details, see JOINT SEAL DETAILS NO.1 and JOINT SEAL DETAILS NO. 2 sheets and RSP (B6-21).
- For Snow Plow Deflectors, see SNOW PLOW DEFLECTOR DETAILS sheet.

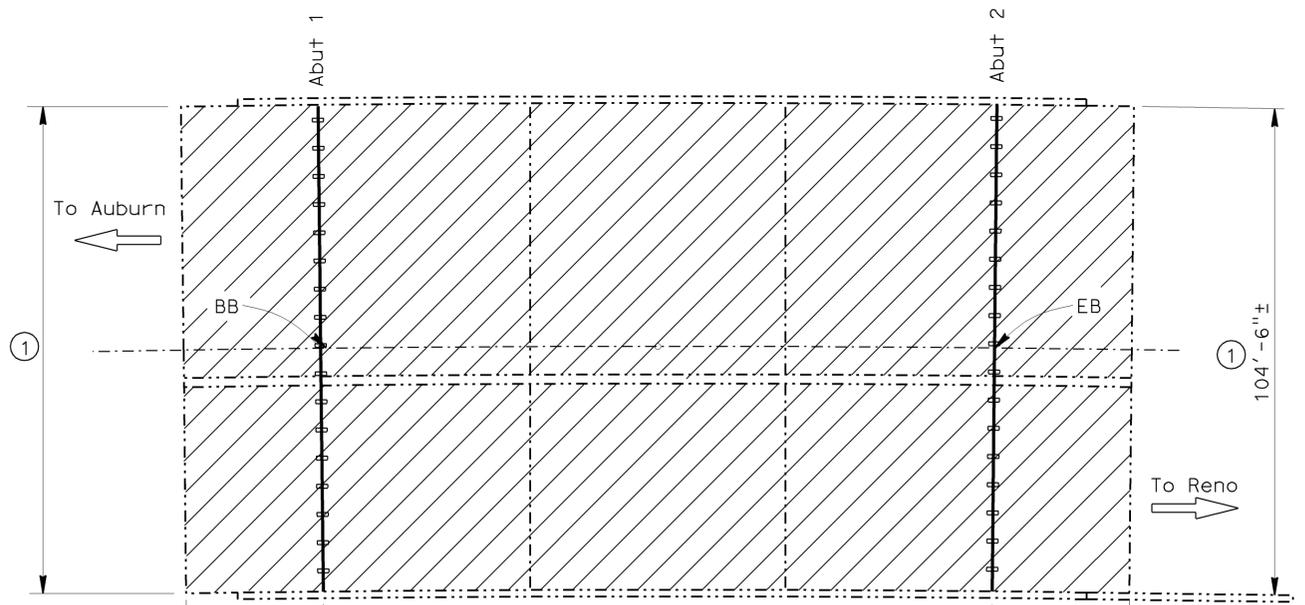
① See "Road Plans" for remove existing pavement surface to conform to new deck or approach slab grades.

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

TROUT CREEK UC BR NO. 17-0031

QUANTITIES

REMOVE CONCRETE DECK SURFACE	21,460	SQFT
REMOVE UNSOUND CONCRETE	39	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	21,460	SQFT
CLEAN EXPANSION JOINT	210	LF
RAPID SETTING CONCRETE (PATCH)	39	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,609	CF
PLACE POLYESTER CONCRETE OVERLAY	21,460	SQFT
SNOWPLOW DEFLECTOR	42	EA
JOINT SEAL (MR 1")	210	LF



TROUT CREEK UNDERCROSSING

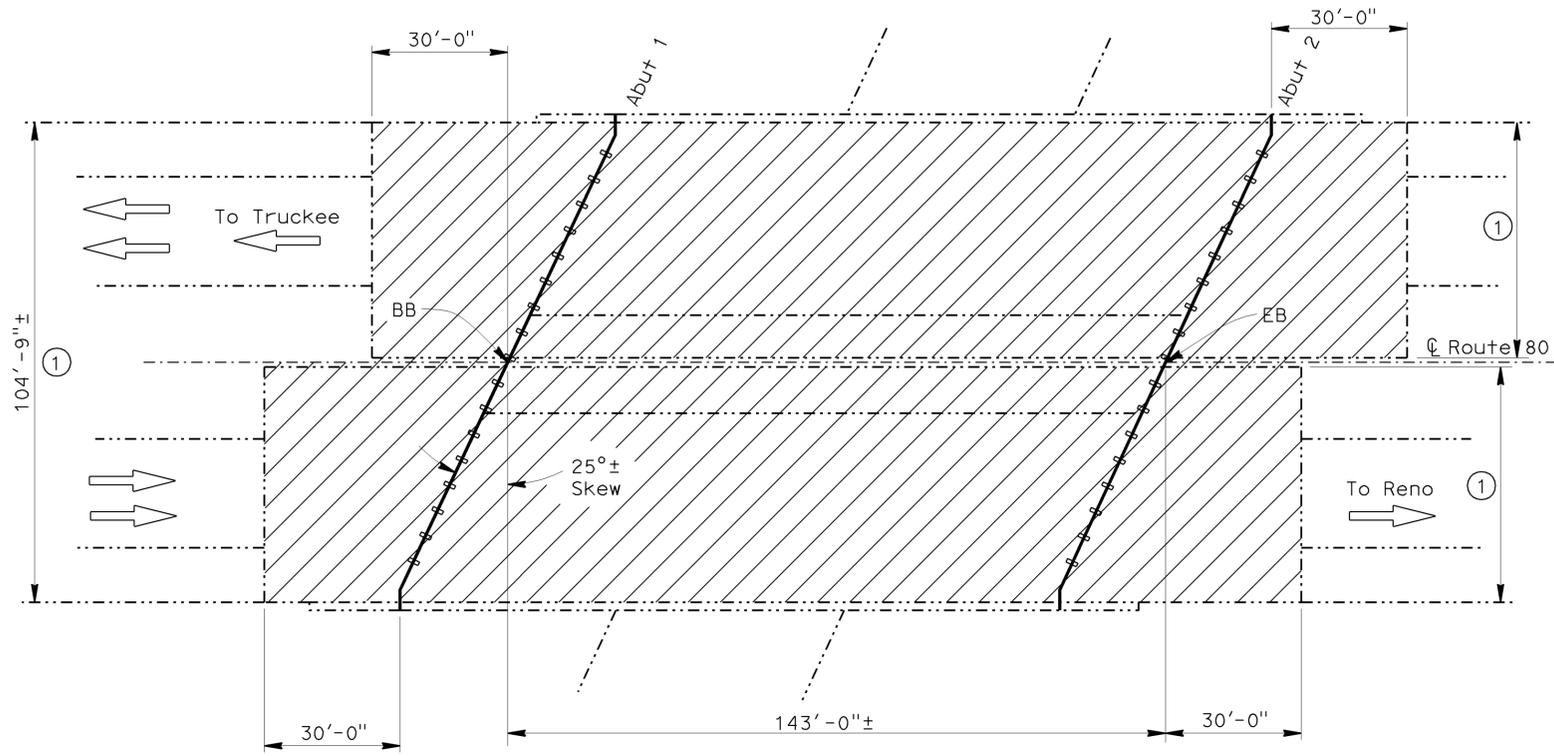
BR. NO. 17-0031, RTE 80, NEV, PM 15.48
1"=20'

 DESIGN ENGINEER 9-28-10	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 80 BRIDGES GENERAL PLAN NO. 8
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen	SPECIFICATIONS	BY John Jiang	CHECKED John Jiang			POST MILE	VARIES	
	QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen						REVISION DATES		

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 CU 03 EA 3M6801
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: 4-30-10 5-12-10 7-30-10 8-03-10 9-28-10 11-17-10
 SHEET 8 OF 23

DATE PLOTTED => 19-NOV-2010 TIME PLOTTED => 10:23 USERNAME => TLM

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	19	33
<i>Charles R. Hutchinson</i> REGISTERED CIVIL ENGINEER			9-28-10 DATE		
11-08-10 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 existing.
 - Indicates limits of remove 3/4"± polyester concrete overlay, prepare concrete bridge deck surface, remove unsound concrete, patch with rapid setting concrete and place a 3/4" polyester concrete overlay. For details, see "DECK REPAIR AND OVERLAY DETAILS" on JOINT SEAL DETAILS NO. 2 sheet.
 - Indicates location of remove existing Joint Seal, place new Joint Seal, and install Snow Plow Deflectors. For details, see SNOW PLOW DEFLECTOR DETAILS, JOINT SEAL DETAILS NO.1, JOINT SEAL DETAILS NO. 2 sheets and RSP (B6-21).
 - ① See "Road Plans" for remove existing pavement surface to conform to new deck or approach slab grades.

FIBREBOARD UNDERCROSSING

BR. NO. 17-0101, RTE 80, NEV, PM 17.33
1"=20'

FIBREBOARD UC	BR NO. 17-0101
QUANTITIES	
REMOVE CONCRETE DECK SURFACE	23,678 SQFT
REMOVE UNSOUND CONCRETE	39 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	23,678 SQFT
CLEAN EXPANSION JOINT	232 LF
RAPID SETTING CONCRETE (PATCH)	39 CF
FURNISH POLYESTER CONCRETE OVERLAY	1,777 CF
PLACE POLYESTER CONCRETE OVERLAY	23,678 SQFT
SNOWPLOW DEFLECTOR	48 EA
JOINT SEAL (MR 1")	232 LF

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

 9-28-10 DESIGN ENGINEER	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson	STATE OF CALIFORNIA	BRIDGE NO.	ROUTE 80 BRIDGES	
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang	DEPARTMENT OF TRANSPORTATION	VARIOUS	GENERAL PLAN NO. 9	
QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen					DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	VARIES		
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES
							CU 03 EA 3M6801	4-30-10 5-12-10 7-30-10 8-03-10 9-28-10 11-17-10	SHEET 9	OF 23

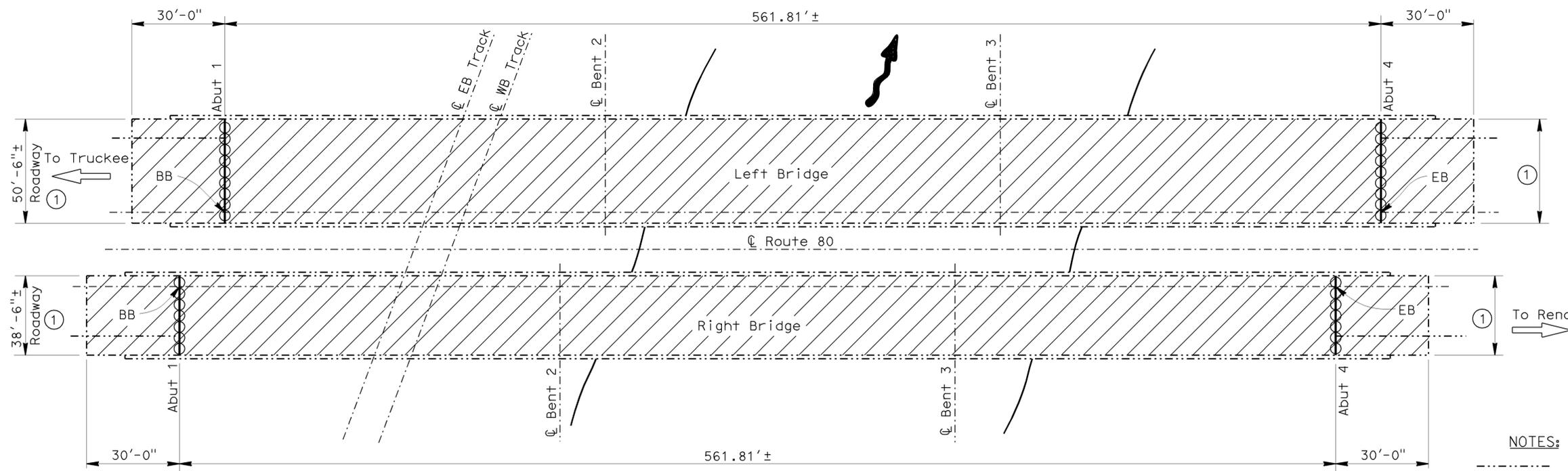
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	20	33

Charles R. Hutchinson 9-28-10
 REGISTERED CIVIL ENGINEER DATE

11-08-10
 PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
 CHARLES R. HUTCHINSON
 No. C 54226
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA



UNION MILLS BOH
 BR. NO. 17-0058L/R, RTE 80, NEV, PM 20.23
 1"=30'

- NOTES:** (APPLY TO THIS SHEET ONLY)
- Indicates existing.
 - Indicates limits of remove 3/4"± polyester concrete overlay, prepare concrete bridge deck surface, remove unsound concrete and place a 3/4" polyester concrete overlay. For details, see "DECK REPAIR AND OVERLAY DETAILS" on JOINT SEAL DETAILS NO. 2 sheet.
 - Indicates location of existing joint seal assembly removal and placement of new joint seal assembly. For details, see JOINT SEAL DETAILS NO. 1 and JOINT SEAL DETAILS NO.3 sheets.
 - ① See "Road Plans" for remove existing pavement surface to conform to new deck or approach slab grades.

UNION MILLS BOH BR. NO. 17-0058L		
QUANTITIES		
REMOVE CONCRETE DECK SURFACE	31,402	SQFT
REMOVE UNSOUND CONCRETE	71	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	31,402	SQFT
BRIDGE REMOVAL (PORTION), LOCATION A	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE	11	CY
RAPID SETTING CONCRETE (PATCH)	71	CF
FURNISH POLYESTER CONCRETE OVERLAY	2,355	CF
PLACE POLYESTER CONCRETE OVERLAY	31,402	SQFT
SNOWPLOW DEFLECTOR	18	EA
JOINT SEAL ASSEMBLY (MR 2 1/2")	102	LF
BAR REINFORCING STEEL (EPOXY COATED)(BRIDGE)	102	LB

UNION MILLS BOH BR. NO. 17-0058R		
QUANTITIES		
REMOVE CONCRETE DECK SURFACE	24,258	SQFT
REMOVE UNSOUND CONCRETE	55	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	24,258	SQFT
BRIDGE REMOVAL (PORTION), LOCATION B	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE	8	CY
RAPID SETTING CONCRETE (PATCH)	55	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,820	CF
PLACE POLYESTER CONCRETE OVERLAY	24,258	SQFT
SNOWPLOW DEFLECTOR	14	EA
JOINT SEAL ASSEMBLY (MR 2 1/2")	80	LF
BAR REINFORCING STEEL (EPOXY COATED)(BRIDGE)	75	LB

TEMPORARY DECK PLATE LOAD CRITERIA		
MOMENT DEMAND/FOOT (kip-ft/ft)	BOLT SHEAR/FOOT (kip/ft)	BOLT TENSION (LB)
4	6.4	150

Notes:

Plate thickness shall be $\geq 7/8"$.

Plate deflection shall not exceed $s/300$ (s = span of plate).

Maximum anchor bolt spacing = 0'-9".

GENERAL NOTES
LOAD FACTOR DESIGN

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

DEAD LOAD: Includes 35 psf for future wearing surface.

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

REINFORCED CONCRETE: $f_y = 60,000$ psi
 $f'_c = 3600$ psi
 $n = 9$

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

 9-28-10 DESIGN ENGINEER	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 80 BRIDGES GENERAL PLAN NO. 10
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen	SPECIFICATIONS	BY John Jiang	CHECKED John Jiang			VARIOUS	
	QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen			CHECKED John Jiang			POST MILE	
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 03 EA 3M6801	VARIES	REVISION DATES
							0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	4-30-10 5-12-10 7-30-10 8-23-10 9-28-10 11-17-10	SHEET 10 OF 23

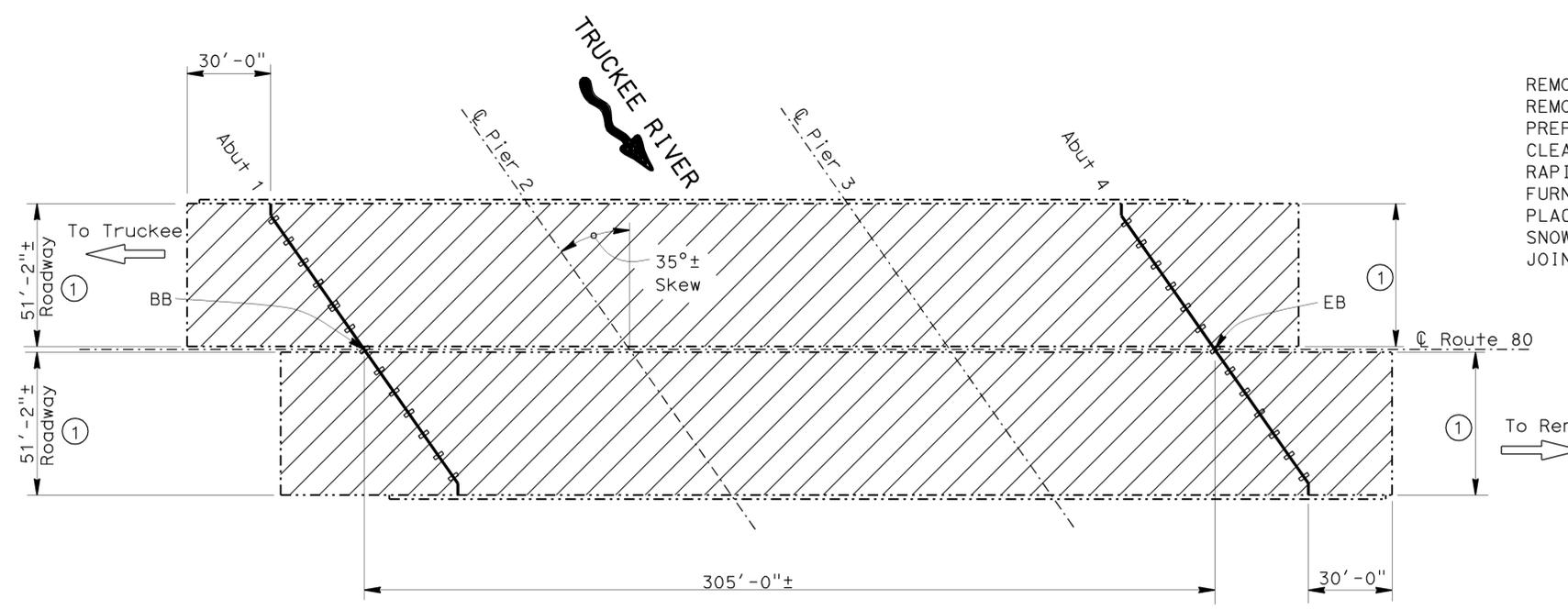
DATE PLOTTED => 19-NOV-2010 TIME PLOTTED => 10:24 USERNAME => TLM

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	21	33
<i>Charles R. Hutchinson</i> 9-28-10 REGISTERED CIVIL ENGINEER DATE					
11-08-10 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>					

TRUCKEE RIVER BR NO. 17-0013

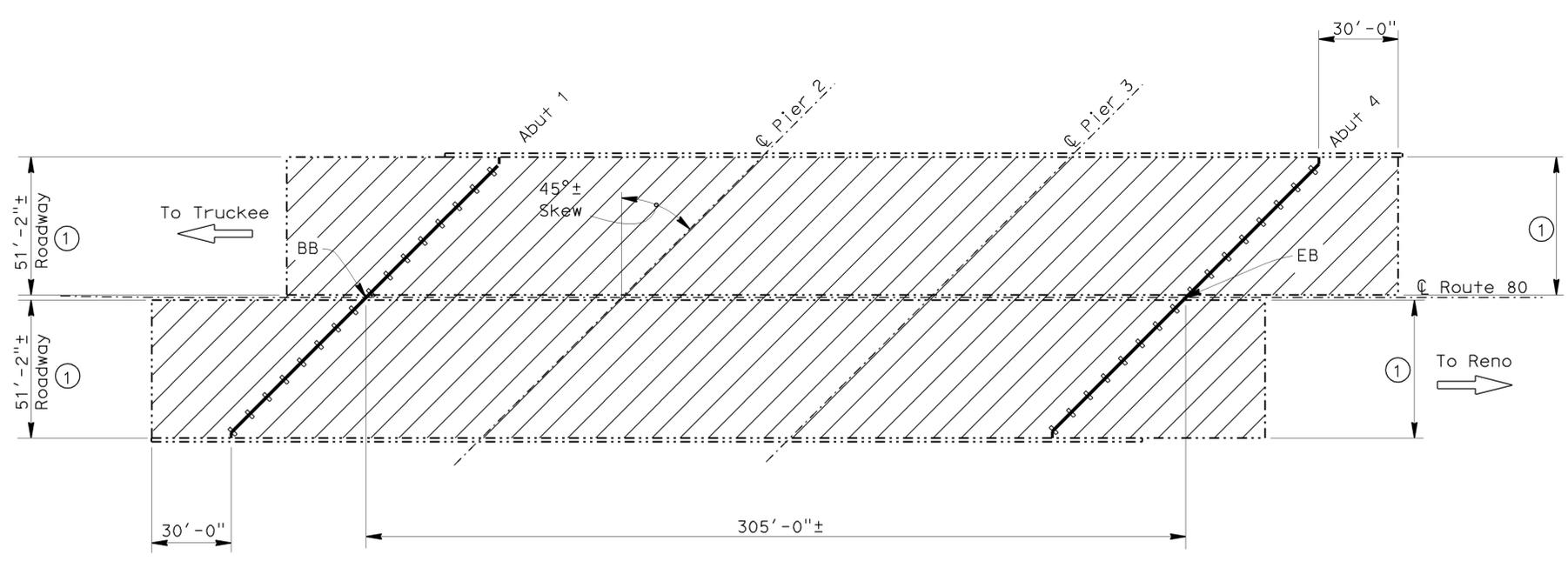
QUANTITIES

REMOVE CONCRETE DECK SURFACE	37,559	SQFT
REMOVE UNSOUND CONCRETE	80	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	37,559	SQFT
CLEAN EXPANSION JOINT	252	LF
RAPID SETTING CONCRETE (PATCH)	80	CF
FURNISH POLYESTER CONCRETE OVERLAY	2,808	CF
PLACE POLYESTER CONCRETE OVERLAY	37,559	SQFT
SNOWPLOW DEFLECTOR	56	EA
JOINT SEAL (MR 1 1/2")	252	LF



TRUCKEE RIVER
 BR. NO. 17-0013, RTE 80, NEV, PM 20.84
 1"=30'

- NOTES:** (APPLY TO THIS SHEET ONLY)
- Indicates existing.
 - Indicates limits of remove 3/4"± polyester concrete overlay, prepare concrete bridge deck surface, remove unsound concrete, patch with rapid setting concrete and place a 3/4" polyester concrete overlay. For details, see "DECK REPAIR AND OVERLAY DETAILS" on JOINT SEAL DETAILS NO. 2 sheet.
 - Indicates location of remove existing Joint Seal, place new Joint Seal, and install Snow Plow Deflectors. For details, see JOINT SEAL DETAILS NO.1 and JOINT SEAL DETAILS NO. 2 sheets and RSP (B6-21).
 - For Snow Plow Deflectors, see SNOW PLOW DEFLECTOR DETAILS sheet.
 - ① See "Road Plans" for remove existing pavement surface to conform to new deck or approach slab grades.



TRUCKEE RIVER
 BR. NO. 17-0012, RTE 80, NEV, PM 21.13
 1"=30'

TRUCKEE RIVER BR NO. 17-0012

QUANTITIES

REMOVE CONCRETE DECK SURFACE	42,642	SQFT
REMOVE UNSOUND CONCRETE	79	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	42,642	SQFT
CLEAN EXPANSION JOINT	292	LF
RAPID SETTING CONCRETE (PATCH)	79	CF
FURNISH POLYESTER CONCRETE OVERLAY	3,196	CF
PLACE POLYESTER CONCRETE OVERLAY	42,642	SQFT
SNOWPLOW DEFLECTOR	60	EA
JOINT SEAL (MR 1 1/2")	292	LF

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

 9-28-10 DESIGN ENGINEER	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 80 BRIDGES GENERAL PLAN NO. 11
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen	SPECIFICATIONS	BY John Jiang	CHECKED John Jiang			POST MILE	
QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03 EA 3M6801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 4-30-10 5-12-10 7-30-10 8-23-10 9-28-10 11-17-10
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)										SHEET 11 OF 23

DATE PLOTTED => 19-NOV-2010 TIME PLOTTED => 10:24 USERNAME => TLM

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	22	33

Charles R. Hutchinson 9-28-10
 REGISTERED CIVIL ENGINEER DATE

11-08-10
 PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
 CHARLES R. HUTCHINSON
 No. C 54226
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA

TEMPORARY DECK PLATE LOAD CRITERIA

MOMENT DEMAND/FOOT (kip-ft/ft)	BOLT SHEAR/FOOT (kip/ft)	BOLT TENSION (LB)
4	6.4	150

Notes:

Plate thickness shall be $\geq \frac{7}{8}$ ".

Plate deflection shall not exceed $s/300$ (s = span of plate).

Maximum anchor bolt spacing = 0'-9".

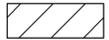
GENERAL NOTES LOAD FACTOR DESIGN

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

DEAD LOAD: Includes 35 psf for future wearing surface.

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

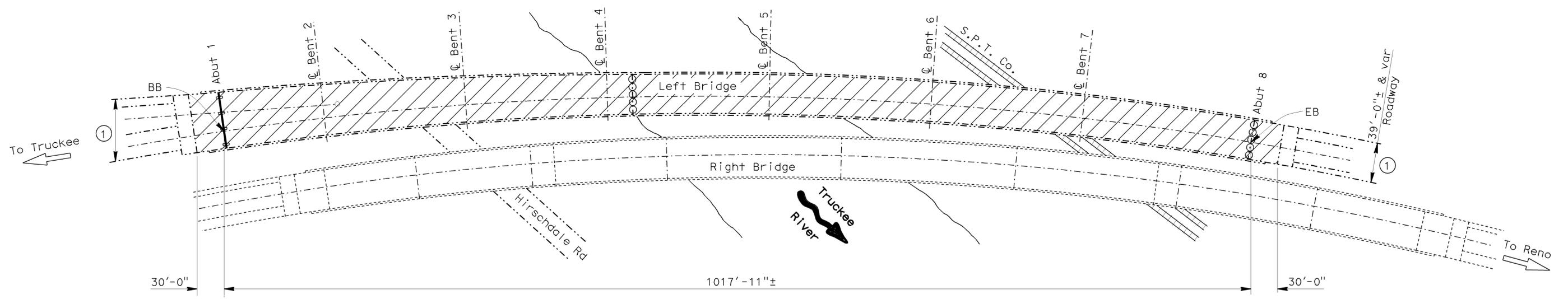
REINFORCED CONCRETE: $f_y = 60,000$ psi
 $f'_c = 3600$ psi
 $n = 9$

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates existing.
 -  Indicates limits of remove $\frac{3}{4}$ "± polyester concrete overlay, prepare concrete bridge deck surface, remove unsound concrete, patch with rapid setting concrete and place a $\frac{3}{4}$ " polyester concrete overlay. For details, see "DECK REPAIR AND OVERLAY DETAILS" on JOINT SEAL DETAILS NO. 2 sheet.
 -  Indicates location of remove existing Joint Seal, place new Joint Seal, and install Snow Plow Deflectors. For details, see JOINT SEAL DETAILS NO.1 and JOINT SEAL DETAILS NO. 2 sheets and RSP (B6-21).
 - For Snow Plow Deflectors, see SNOW PLOW DEFLECTOR DETAILS sheet.
 -  Indicates location of existing joint seal assembly removal and placement of new joint seal assembly. For details see "JOINT SEAL AND DECK REPAIR DETAILS" and "JOINT SEAL DETAILS NO. 2" sheets.
 - ① See "Road Plans" for remove existing pavement surface to conform to new deck or approach slab grades.

BOCA BRIDGE AND OH BR NO. 17-0059L

QUANTITIES

REMOVE CONCRETE DECK SURFACE	48,330	SQFT
REMOVE UNSOUND CONCRETE	115	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	48,330	SQFT
BRIDGE REMOVAL (PORTION), LOCATION C	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE	9	CY
CLEAN EXPANSION JOINT	62	LF
RAPID SETTING CONCRETE (PATCH)	115	CF
FURNISH POLYESTER CONCRETE OVERLAY	3,626	CF
PLACE POLYESTER CONCRETE OVERLAY	48,330	SQFT
SNOWPLOW DEFLECTOR	29	EA
JOINT SEAL (MR 1 1/2")	62	LF
JOINT SEAL ASSEMBLY (MR 3")	41	LF
JOINT SEAL ASSEMBLY (MR 5")	47	LF
BAR REINFORCING STEEL (EPOXY COATED)(BRIDGE)	84	LB



BOCA BRIDGE AND OVERHEAD

BR. NO. 17-0059L, RTE 80, NEV, PM 22.41
1"=50'

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

 9-28-10 DESIGN ENGINEER	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 80 BRIDGES GENERAL PLAN NO. 12
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen	SPECIFICATIONS	BY John Jiang	CHECKED John Jiang			POST MILE	VARIES	
	QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 03 EA 3M6801	REVISION DATES	4-30-10 5-12-10 8-02-10 8-05-10 9-28-10 11-17-10	SHEET 12 OF 23

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

DATE PLOTTED => 19-NOV-2010 TIME PLOTTED => 10:24 USERNAME => TLGM

FILE => 03-3m6801_12_gp12.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	23	33

Charles R. Hutchinson 9-28-10
 REGISTERED CIVIL ENGINEER DATE

11-08-10
 PLANS APPROVAL DATE

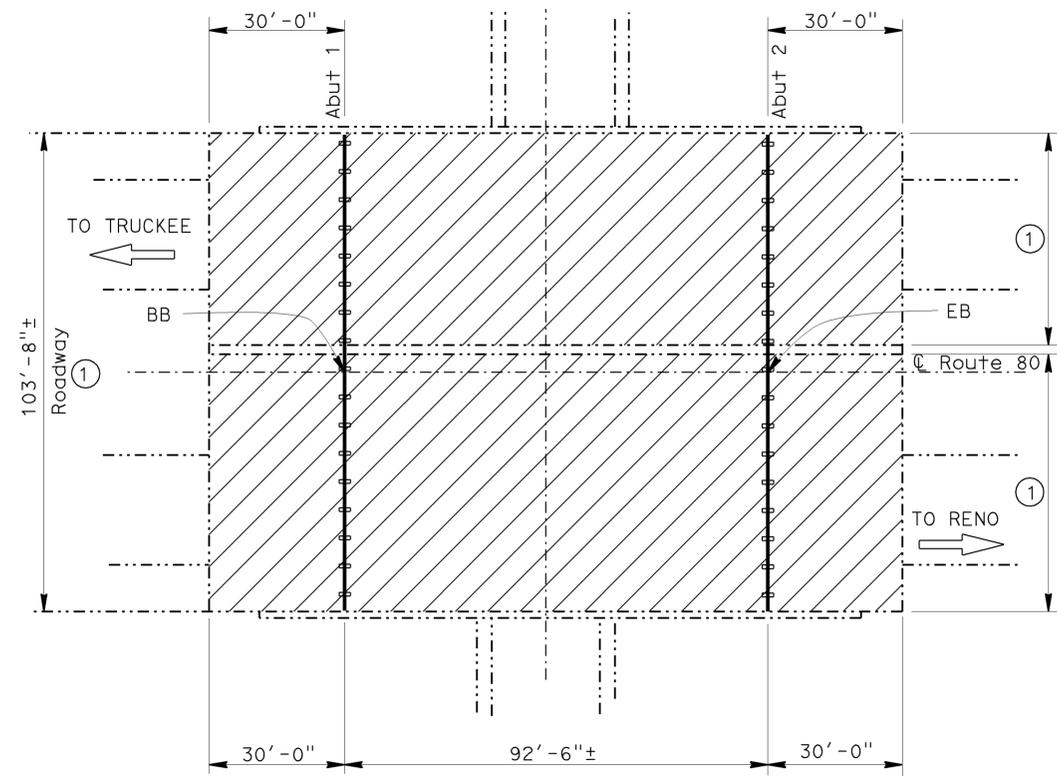
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REGISTERED PROFESSIONAL ENGINEER
 CHARLES R. HUTCHINSON
 No. C 54226
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA

HINTON ROAD UC BR NO. 17-0060

QUANTITIES

REMOVE CONCRETE DECK SURFACE	15,812	SOFT
REMOVE UNSOUND CONCRETE	41	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	15,812	SOFT
CLEAN EXPANSION JOINT	208	LF
RAPID SETTING CONCRETE (PATCH)	41	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,185	CF
PLACE POLYESTER CONCRETE OVERLAY	15,812	SOFT
SNOWPLOW DEFLECTOR	42	EA
JOINT SEAL (MR 1")	208	LF



HINTON ROAD UNDERCROSSING

BR. NO. 17-0060, RTE 80, NEV, PM 23.57
1"=20'

NOTES: (APPLY TO THIS SHEET ONLY)

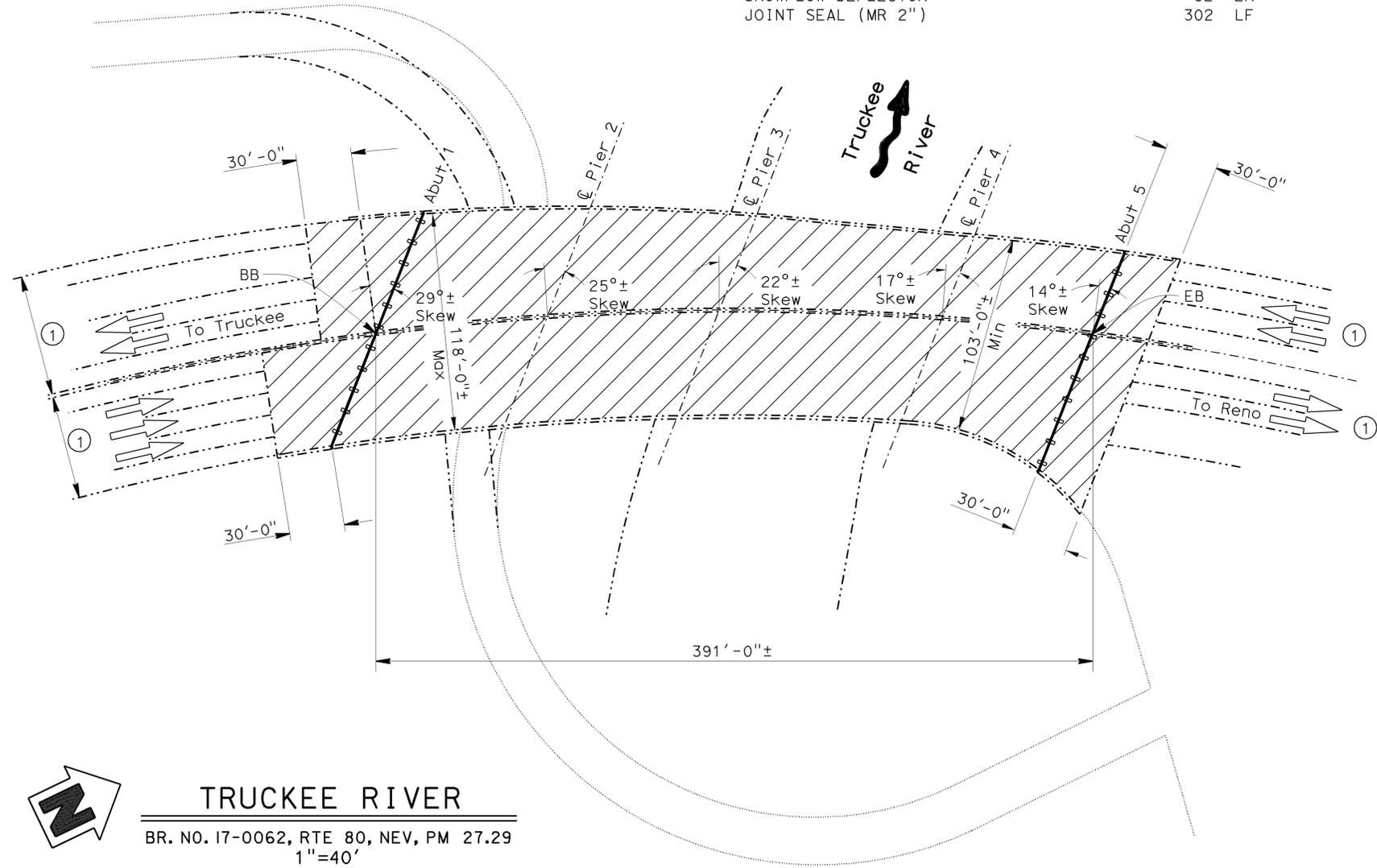
- Indicates existing.
- Indicates limits of remove 3/4"± polyester concrete overlay, prepare concrete bridge deck surface, remove unsound concrete, patch with rapid setting concrete and place a 3/4" polyester concrete overlay. For details, see "DECK REPAIR AND OVERLAY DETAILS" on JOINT SEAL DETAILS NO. 2 sheet.
- Indicates location of remove existing Joint Seal, place new Joint Seal, and install Snow Plow Deflectors. For details, see JOINT SEAL DETAILS NO.1 and JOINT SEAL DETAILS NO. 2 sheets and RSP (B6-21).
- For Snow Plow Deflectors, see SNOW PLOW DEFLECTOR DETAILS sheet.
- ① See "Road Plans" for remove existing pavement surface to conform to new deck or approach slab grades.

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

TRUCKEE RIVER BR NO. 17-0062

QUANTITIES

REMOVE CONCRETE DECK SURFACE	60,371	SOFT
REMOVE UNSOUND CONCRETE	138	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	60,371	SOFT
CLEAN EXPANSION JOINT	302	LF
RAPID SETTING CONCRETE (PATCH)	138	CF
FURNISH POLYESTER CONCRETE OVERLAY	4,528	CF
PLACE POLYESTER CONCRETE OVERLAY	60,371	SOFT
SNOWPLOW DEFLECTOR	62	EA
JOINT SEAL (MR 2")	302	LF



TRUCKEE RIVER

BR. NO. 17-0062, RTE 80, NEV, PM 27.29
1"=40'

 DESIGN ENGINEER 9-28-10	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 80 BRIDGES GENERAL PLAN NO. 13	SHEET 13 OF 23
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED			POST MILE	VARIES		
	QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 03 EA 3M6801			REVISION DATES	4-30-10 5-12-10 8-02-10 9-28-10 11-17-10		

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

DATE PLOTTED => 19-NOV-2010 TIME PLOTTED => 10:24 USERNAME => TLGM

FILE => 03-3m6801_13_gp13.dgn

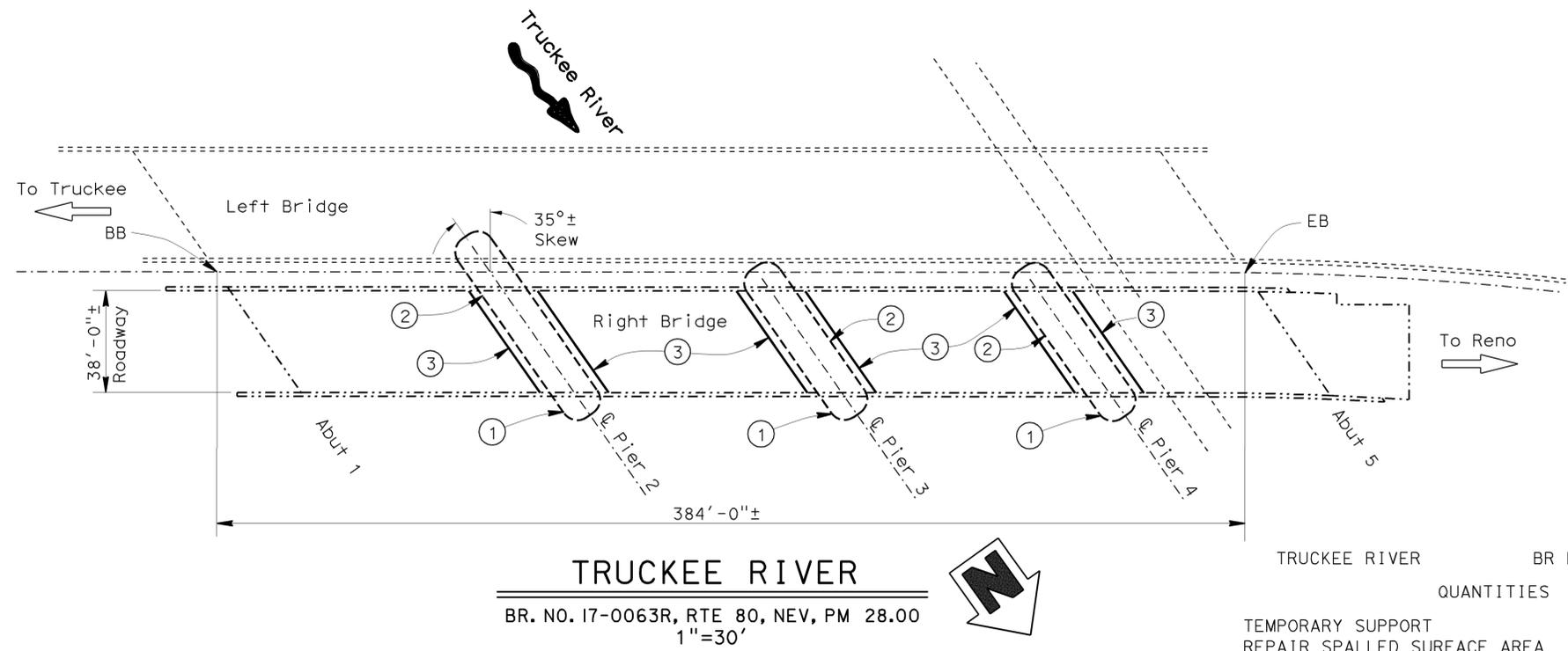
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	24	33

Charles R. Hutchinson 9-28-10
 REGISTERED CIVIL ENGINEER DATE

11-08-10
 PLANS APPROVAL DATE

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

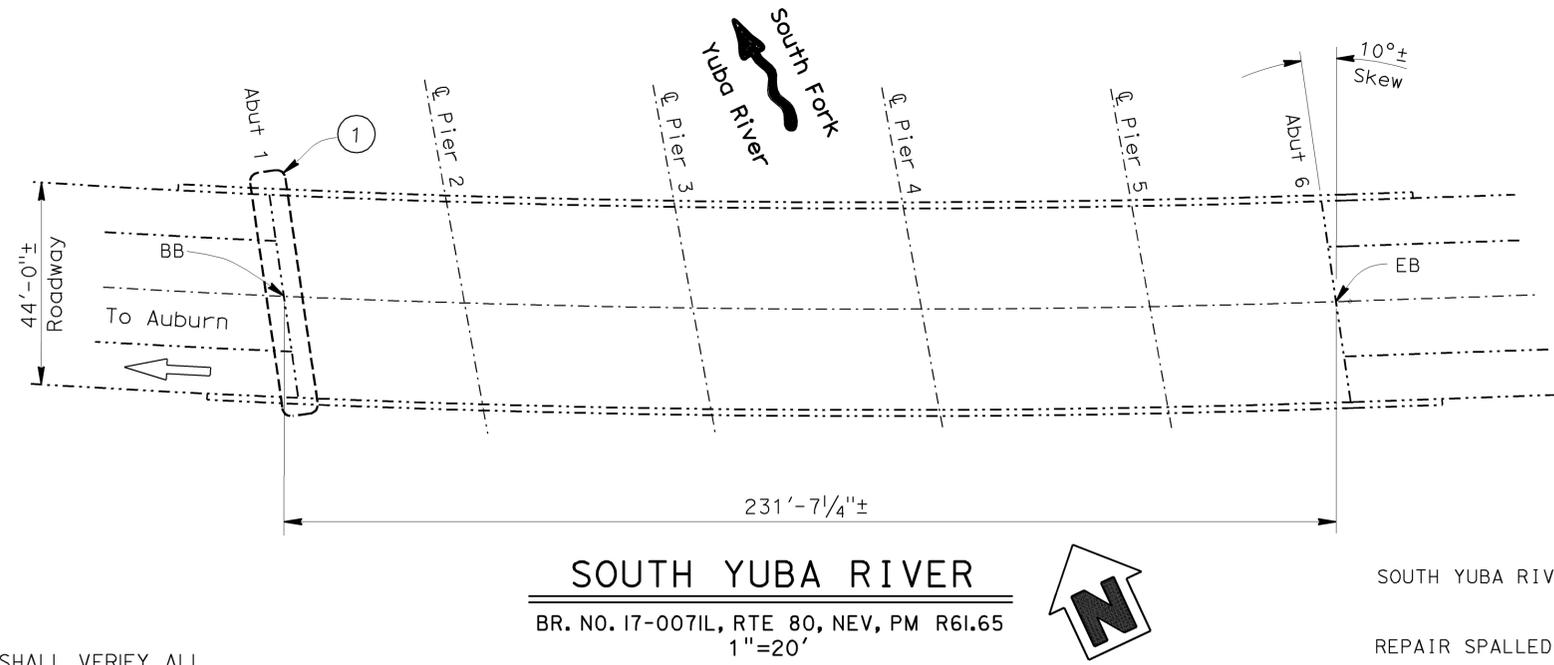
REGISTERED PROFESSIONAL ENGINEER
 CHARLES R. HUTCHINSON
 No. C 54226
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA



TRUCKEE RIVER
 BR. NO. 17-0063R, RTE 80, NEV, PM 28.00
 1"=30'

TRUCKEE RIVER BR NO. 17-0063R
 QUANTITIES
 TEMPORARY SUPPORT LUMP SUM
 REPAIR SPALLED SURFACE AREA 1,094 SQFT
 MISCELLANEOUS METAL 2,652 LB
 (RESTRAINER - CABLE TYPE)

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates existing.
 - ① Repair spalls piers and abutment. For locations and amount, see MISCELLANEOUS DETAILS sheet.
 - ② Remove and replace existing cable restrainer units. For details see RESTRAINER CABLE DETAILS NO. 2 sheet.
 - ③ Indicates location of temporary supports. See TEMPORARY SUPPORT TABLE on this sheet. Locations shown for illustrative only.



SOUTH YUBA RIVER
 BR. NO. 17-0071L, RTE 80, NEV, PM R61.65
 1"=20'

SOUTH YUBA RIVER BR NO. 17-0071L
 QUANTITIES
 REPAIR SPALLED SURFACE AREA 54 SQFT

LOCATION		DL + LL + I (k)	DL (k)	LATERAL LOAD (k)	
BR NO. 17-0063R	Pier 2	East Side	694	295	6
		West Side	684	287	6
	Pier 3	East Side	684	287	6
		West Side	684	287	6
	Pier 4	East Side	684	287	6
		West Side	610	233	5

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

 DESIGN ENGINEER 9-28-10	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	LAYOUT	BY Trung Lam	CHECKED Charles Hutchinson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 80 BRIDGES GENERAL PLAN NO. 14
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen	SPECIFICATIONS	BY John Jiang	PLANS AND SPECIFICATIONS COMPARED John Jiang			POST MILE	
	QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen				CU 03 EA 3M6801	VARIES	REVISION DATES	SHEET 14 OF 23

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 4-30-10 | 5-12-10 | 8-02-10 | 9-28-10 | 11-17-10

FILE => 03-3m6801_14_gp14.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	25	33

Charles R. Hutchinson 9-28-10
 REGISTERED CIVIL ENGINEER DATE

11-08-10
 PLANS APPROVAL DATE

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

DECK REPAIR TABLE			
REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)			
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (percent)	APPROXIMATE DEPTH (inches)
TRUCKEE RIVER	17-0012	1	3
TRUCKEE RIVER	17-0013	1	3
ROUTE 80/89 SEP	17-0029	1	3
WEST TRUCKEE UC	17-0030	1	3
TROUT CREEK UC	17-0031	1	3
DONNER PARK OC	17-0045	1	3
UNION MILLS BOH	17-0058L/R	1	3
BOCA BRIDGE & OH	17-0059L	1	3
HINTON ROAD UC	17-0060	1	3
TRUCKEE RIVER	17-0062	1	3
FIBREBOARD UC	17-0101	1	3
MINERS RAVINE	19-0056K	1	3
MINERS RAVINE	19-0056S	1	3
DOUGLAS BLVD	19-0079	1	3
ILLINOISTOWN OC	19-0085	1	3
HORSESHOE BAR OC	19-0097	1	3
KING ROAD OC	19-0098	1	3
NEILS ROAD OC	19-0127	1	3
PLACER HILLS ROAD OC	19-0128	1	3
CROTHER ROAD OC	19-0130	1	3
HEATHER GLEN OC	19-0131	1	3

Location to be determined by the Engineer.

JOINT SEAL TABLE										
BRIDGE NAME	BRIDGE NO.	LOCATION	JOINT SEAL TYPE	MINIMUM "MR" (inch)	APPROXIMATE LENGTH (feet)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (inch)	APPROX DEPTH OF JOINT SPALLS (inch)	APPROX WIDTH OF JOINT SPALLS (inch)	APPROX LENGTH OF JOINT SPALLS (inch)
TRUCKEE RIVER	17-0012	ABUT 1	B	1½	146	NO	12	3	6	5
		ABUT 4	B	1½	146	NO	12	3	6	5
TRUCKEE RIVER	17-0013	ABUT 1	B	1½	126	NO	12	3	6	5
		ABUT 4	B	1½	126	NO	12	3	6	5
ROUTE 80/89 SEP	17-0029	ABUT 1	B	1	105	NO	12	3	6	5
		ABUT 3	B	1	105	NO	12	3	6	5
WEST TRUCKEE UC	17-0030	ABUT 1	B	1	132	NO	12	3	6	5
		ABUT 2	B	1	132	NO	12	3	6	5
TROUT CREEK UC	17-0031	ABUT 1	B	1	105	NO	12	3	6	5
		ABUT 2	B	1	105	NO	12	3	6	5
DONNER PARK OC	17-0045	ABUT 1	B	1	44	NO	12	3	6	5
		ABUT 3	B	1	44	NO	12	3	6	5
UNION MILLS BOH	17-0058L	ABUT 1	JSA	2½	51	NO	12	3	6	5
		ABUT 4	JSA	2½	51	NO	12	3	6	5
UNION MILLS BOH	17-0058R	ABUT 1	JSA	2½	40	NO	12	3	6	5
		ABUT 4	JSA	2½	40	NO	12	3	6	5
BOCA BRIDGE & OH	17-0059L	ABUT 1	B	1½	62	NO	12	3	6	5
		BENT 4	JSA	5	47	NO	12	3	6	5
		ABUT 8	JSA	3	41	NO	12	3	6	5
HINTON ROAD UC	17-0060	ABUT 1	B	1	104	NO	12	3	6	5
		ABUT 2	B	1	104	NO	12	3	6	5
TRUCKEE RIVER	17-0062	ABUT 1	B	2	151	NO	12	3	6	5
		ABUT 5	B	2	151	NO	12	3	6	5
FIBREBOARD UC	17-0101	ABUT 1	B	1	116	NO	12	3	6	5
		ABUT 2	B	1	116	NO	12	3	6	5
CROTHER ROAD OC	19-0130	ABUT 3	B	1	48	NO	12	3	6	5

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

DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen
DETAILS	BY Trung Lam	CHECKED Brian Nguyen
QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 80 BRIDGES
 JOINT SEAL DETAILS NO. 1

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

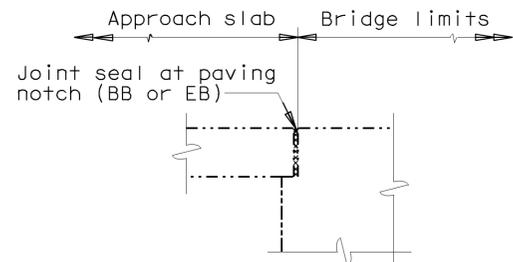
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CU 03
 EA 3M6801

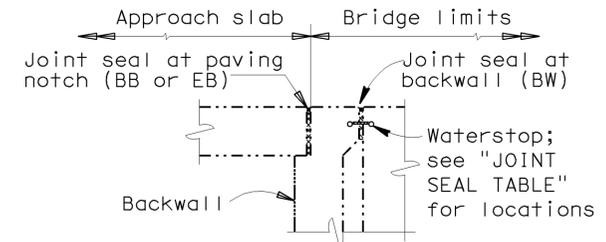
DISREGARD PRINTS BEARING EARLIER REVISION DATES

4-30-10	5-12-10	8-02-10	9-08-10	9-28-10	11-17-10				
SHEET 15 OF 23									

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	26	33
Charles R. Hutchinson REGISTERED CIVIL ENGINEER		9-28-10 DATE			
11-08-10 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					

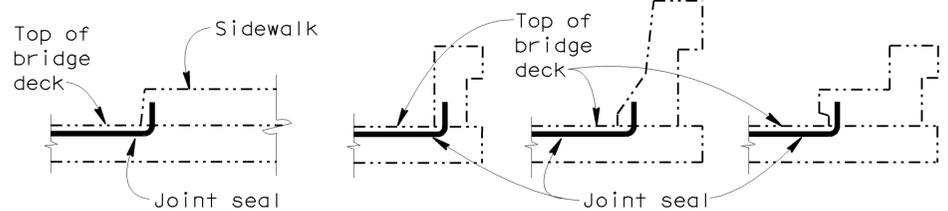


DIAPHRAGM ABUTMENT



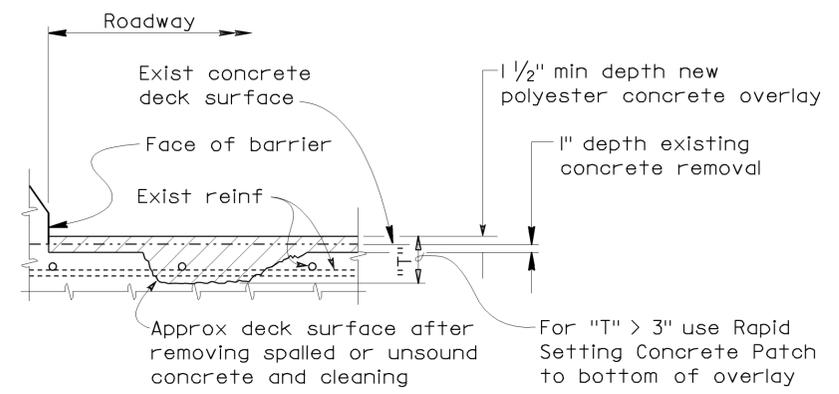
ABUTMENT WITH BACKWALL

JOINT SEAL LOCATION



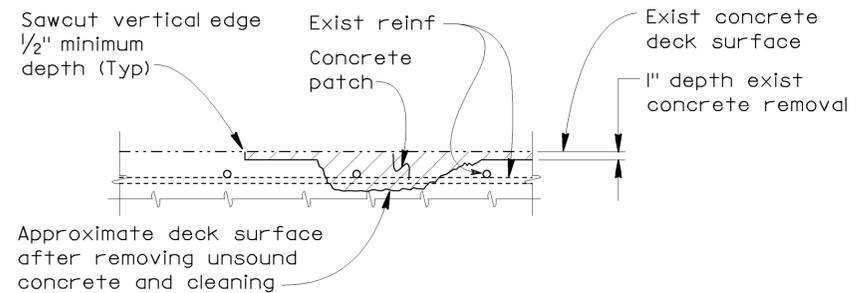
SIDEWALK **BARRIER RAIL**
JOINT SEAL AT LOW SIDE OF DECK

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



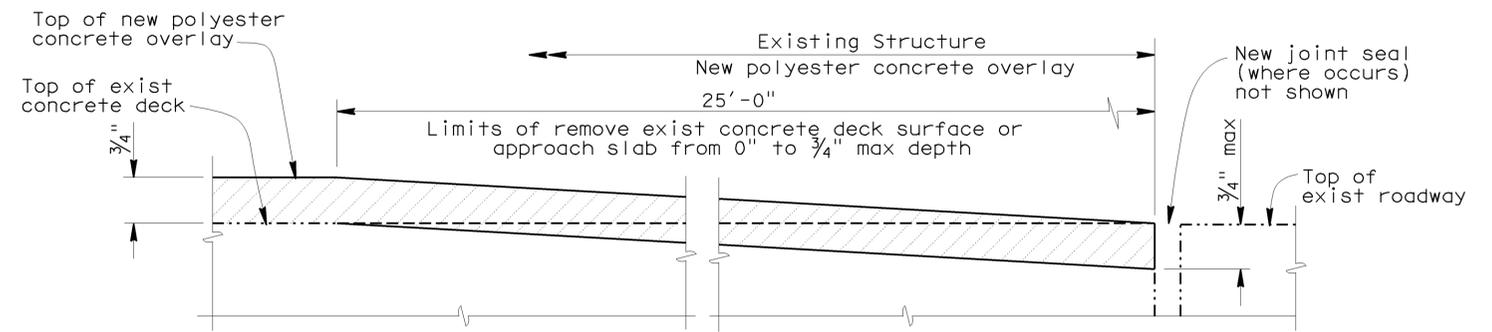
DECK REPAIR AND OVERLAY DETAIL

Note: Reinforcement may be encountered during deck concrete removal.
 NO SCALE



DECK REPAIR DETAIL

Note: Reinforcement may be encountered during deck concrete removal.



DECK SURFACE REMOVAL DETAIL

NO SCALE

NOTE:
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DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen
DETAILS	BY Trung Lam	CHECKED Brian Nguyen
QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

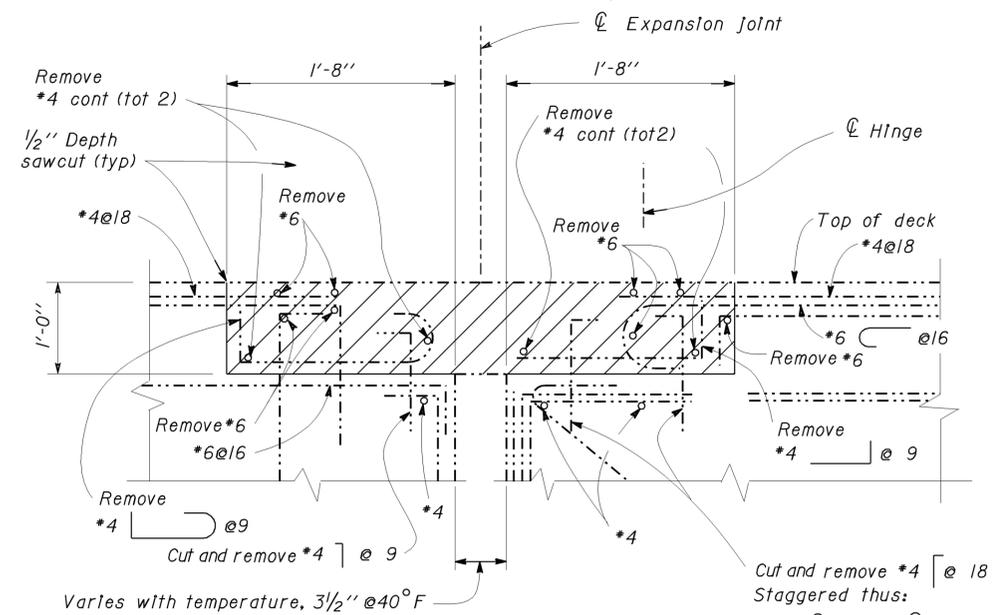
DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
 POST MILE VARIOUS

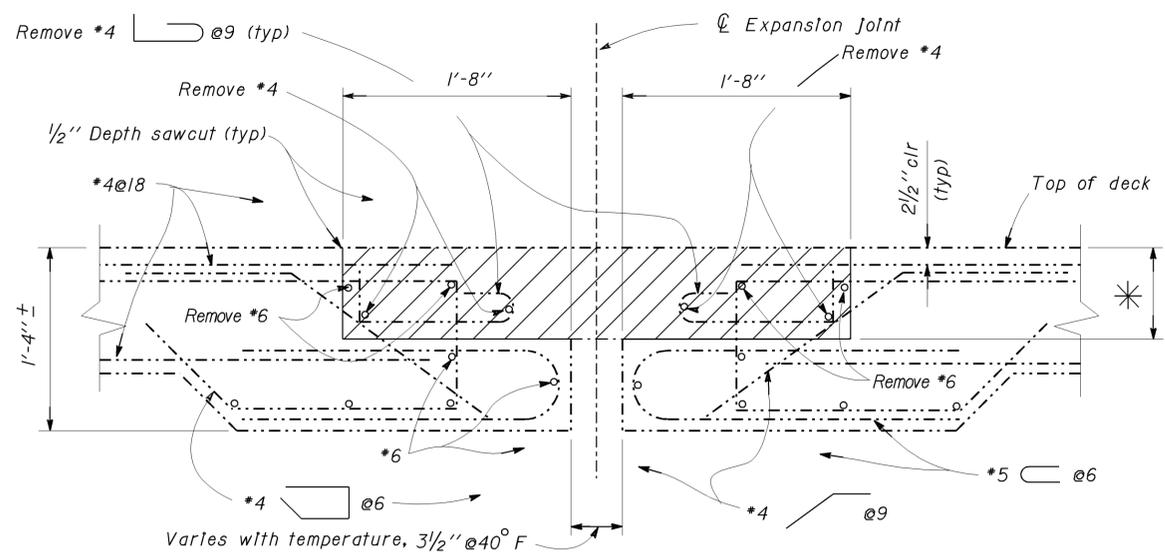
ROUTE 80 BRIDGES
JOINT SEAL DETAILS NO. 2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	27	33
<i>Charles R. Hutchinson</i> REGISTERED CIVIL ENGINEER			9-28-10 DATE		
11-08-10 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					

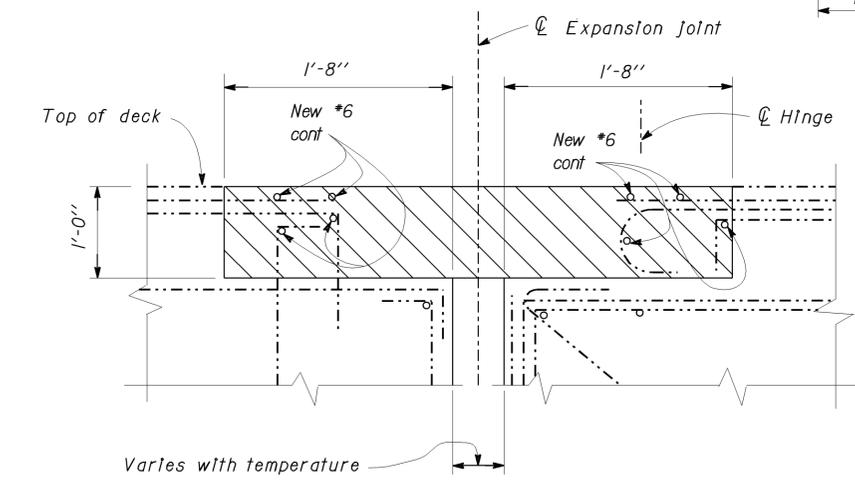
Note: Reinforcement not labeled are *6, *7 or *9 bars spaced at 8"±.



EXISTING

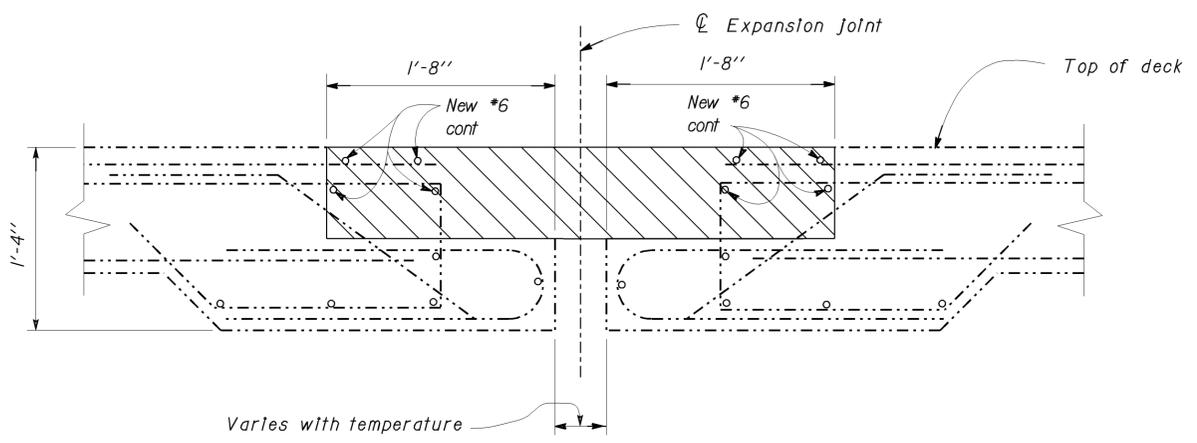


EXISTING



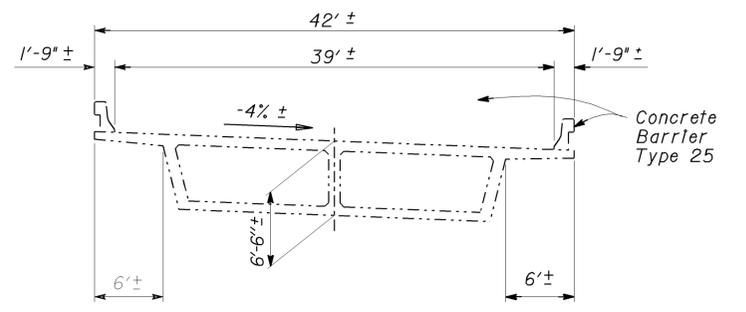
RECONSTRUCTION

JOINT SEAL ASSEMBLY (BOX GIRDER)

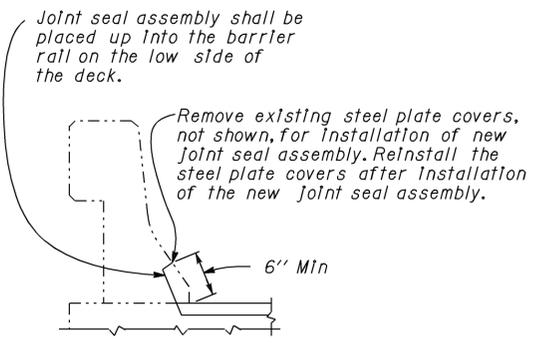


RECONSTRUCTION

JOINT SEAL ASSEMBLY (OVERHANG)



TYPICAL SECTION-LEFT BRIDGE



JOINT SEAL ASSEMBLY PLACEMENT

AT CONCRETE BARRIER TYPE 25

(Concrete removal may be required to remove the existing joint seal assembly, and/or to place the new joint seal assembly.)

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

NO SCALE

Notes:

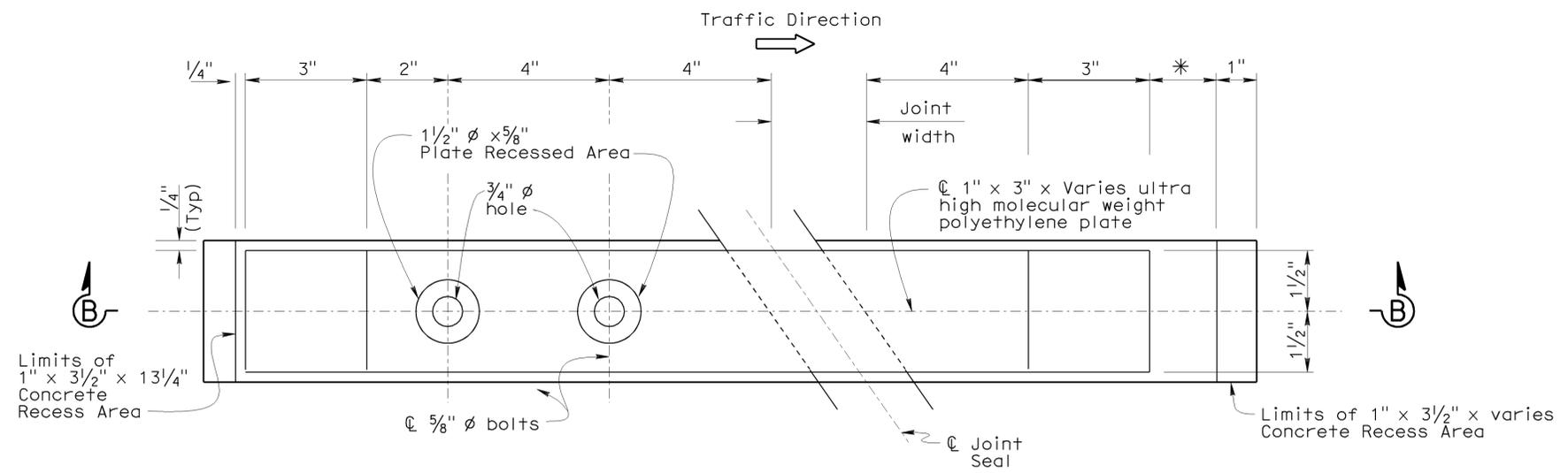
- Remove existing concrete and joint seal assembly. All existing earthquake restrainers to remain. Earthquake restrainers not shown (approximate depth 1'-4"±)
- * Depth to be removed is dependent on the new joint seal assembly dimensions: 10" min to 11" max.
- Install new joint seal assembly and place Portland Cement Concrete. Full bearing of the new joint seal assembly on concrete is required. Place the new joint seal assembly 1/4" below the concrete deck surface.
- Indicates existing structure.

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 80 BRIDGES	
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen			POST MILE		JOINT SEAL DETAILS NO. 3	
	QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen			VARIES			
				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 03 EA 3M6801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	4-30-10 5-12-10 8-02-10 9-28-10 11-17-10	SHEET 17 OF 23

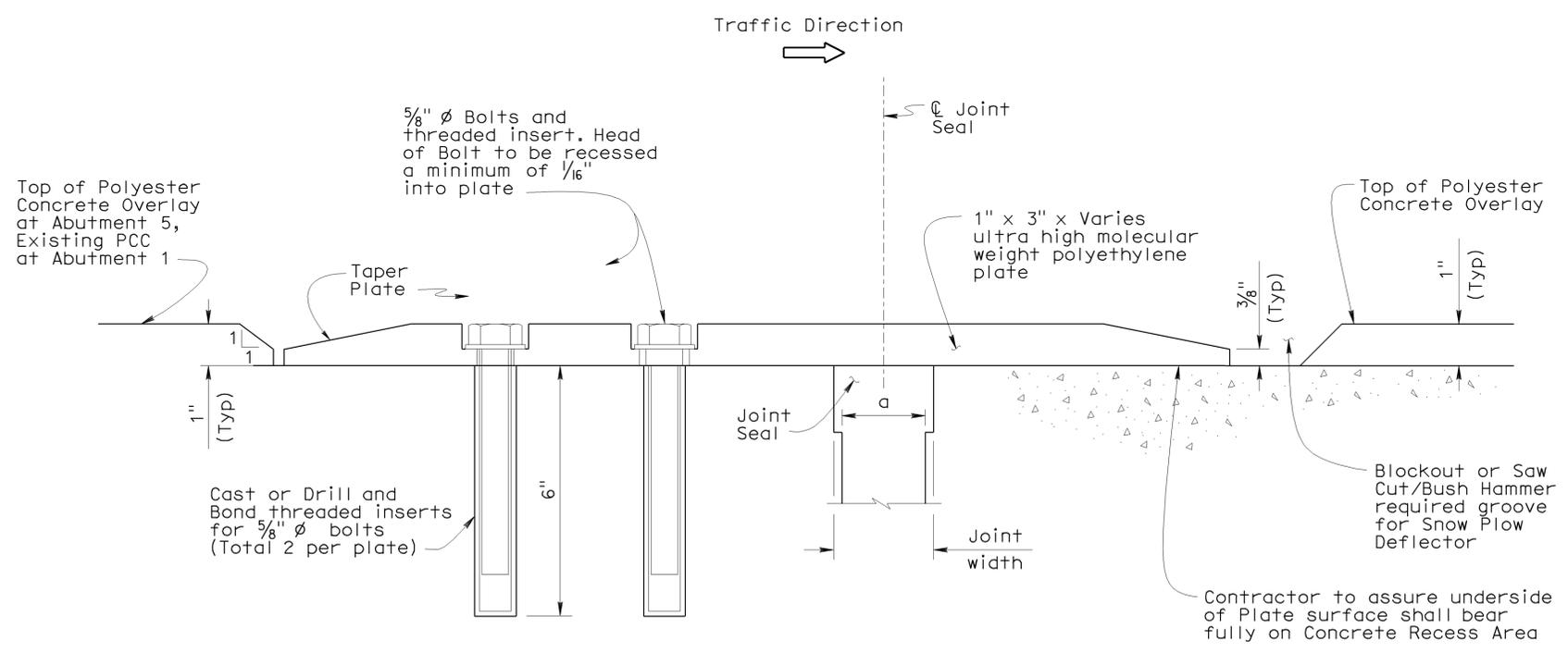
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	28	33

Charles R. Hutchinson 9-28-10
 REGISTERED CIVIL ENGINEER DATE
 11-08-10
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

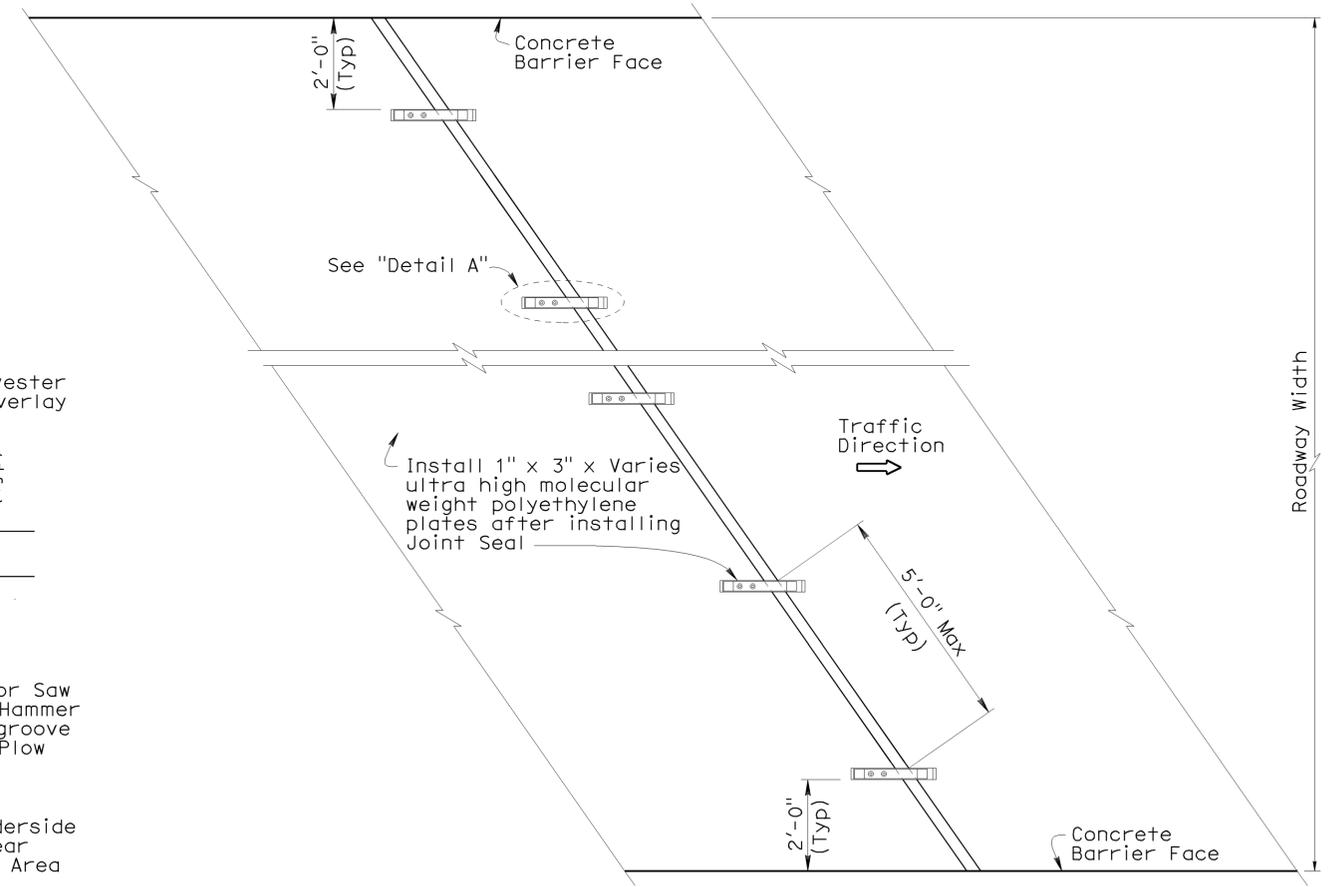
REGISTERED PROFESSIONAL ENGINEER
 CHARLES R. HUTCHINSON
 No. C 54226
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA



DETAIL A
6"=1'-0"



SECTION B-B
6"=1'-0"



SNOW PLOW DEFLECTOR PLAN
1/2"=1'-0"

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

DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen
DETAILS	BY Trung Lam	CHECKED Brian Nguyen
QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIOUS

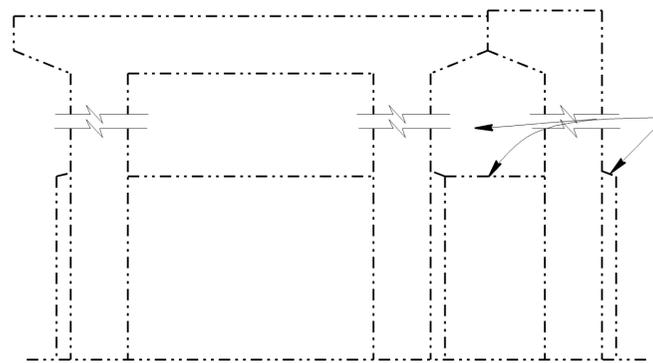
ROUTE 80 BRIDGES
SNOW PLOW DEFLECTOR DETAILS

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 03
EA 3M6801

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 18 OF 23
	4-30-10 5-12-10 8-02-10 9-28-10 11-17-10	

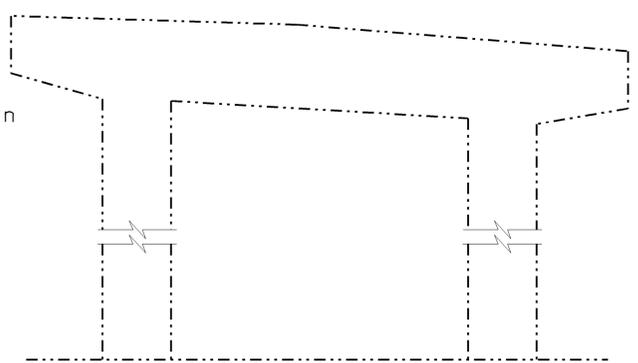


PIERS 2, 3 & 4 ELEVATION

BR. NO. 17-0063R, RTE 80, NEV, PM 28.00
NO SCALE

Repair spalls on Pier. For locations and amount, see "MISCELLANEOUS DETAILS NO. 1" sheet.
Pier 3 (Bridge No. 17-0063) may be in the water.

SPALL REPAIR TABLE Bridge No. 17-0063	
LOCATION	AREA (SF)
Pier 2, Bent Cap	120
Pier 2, Col 2, Span 1	100
Pier 3, Bent Cap	120
Pier 3, Col 3, Span 2	754

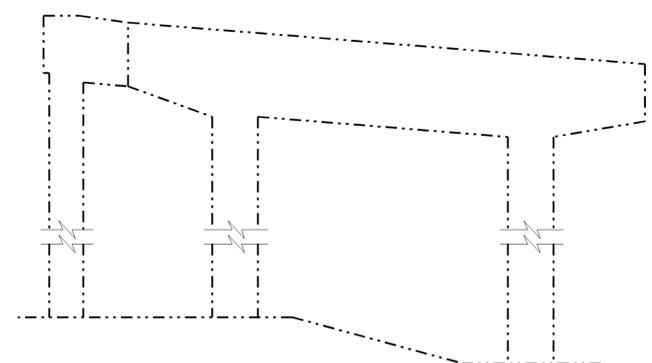


BENTS 2 & 3 ELEVATION

BR. NO. 17-0076L, RTE 80, NEV, PM 9.1
NO SCALE

Repair spalls on Pier. For locations and amount, see "MISCELLANEOUS DETAILS NO. 1" sheet.

SPALL REPAIR TABLE Bridge No. 17-0076L	
LOCATION	AREA (SF)
Pier 2, Span 1, Col 1	135
Pier 2, Span 1, Col 2	67
Pier 2, Span 1, Col 2	66
Pier 2, Span 2, Col 2	12
Pier 3, Span 3, Col 2	18
Pier 3, Span 3, Col 2	48



BENTS 2 & 3 ELEVATION

BR. NO. 17-0076R, RTE 80, NEV, PM 9.0
NO SCALE

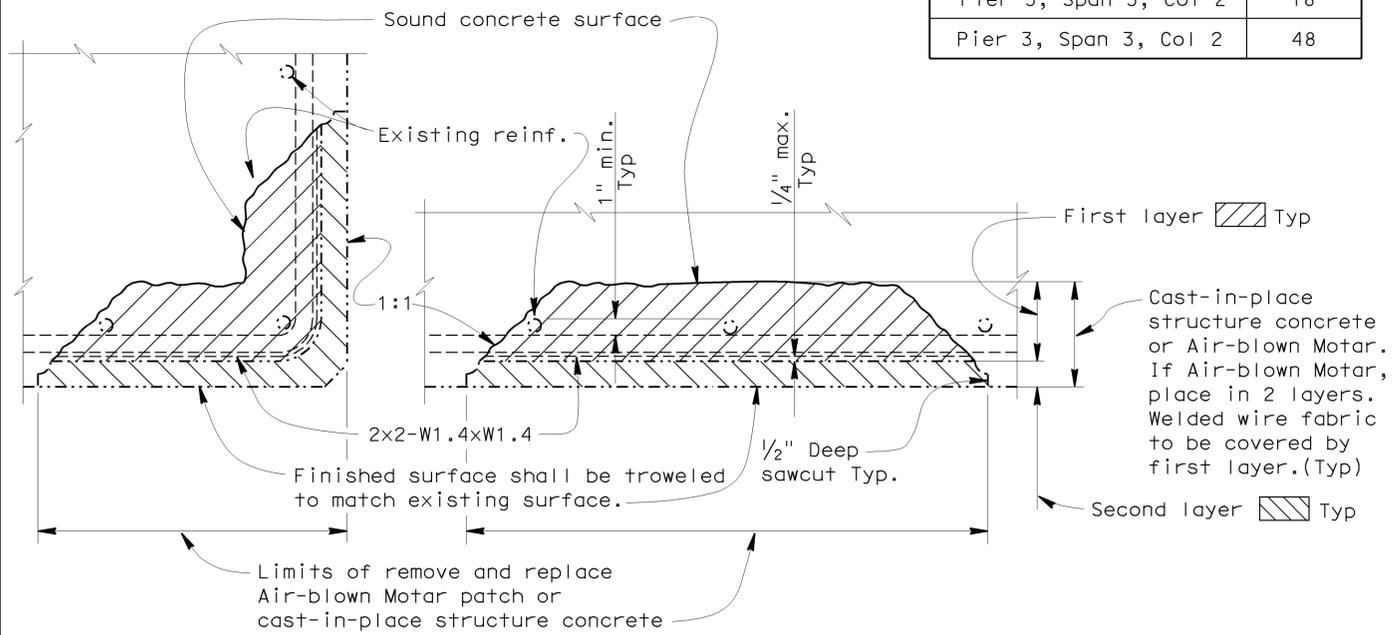
Repair spalls on Pier. For locations and amount, see "MISCELLANEOUS DETAILS NO. 1" sheet.

SPALL REPAIR TABLE Bridge No. 17-0076R	
LOCATION	AREA (SF)
Pier 2, Span 1, Col 3	48
Pier 3, Span 1, Col 3	48
Midspan Soffit, Rt Exterior Girder	75
Midspan Soffit, Lt Exterior Girder	35
Rt Abutment 1 Wingwall	9

NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates existing.
- Repair spalls on Pier. For locations and amount, see "MISCELLANEOUS TAILS" sheet.
- Pier 3 (Bridge No. 17-0063) may be in the water.
- Indicates location of Spall repair on Abutment 1.
- Reconstruction of damaged bent caps, which includes top of bent cap, must be formed and placed.

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

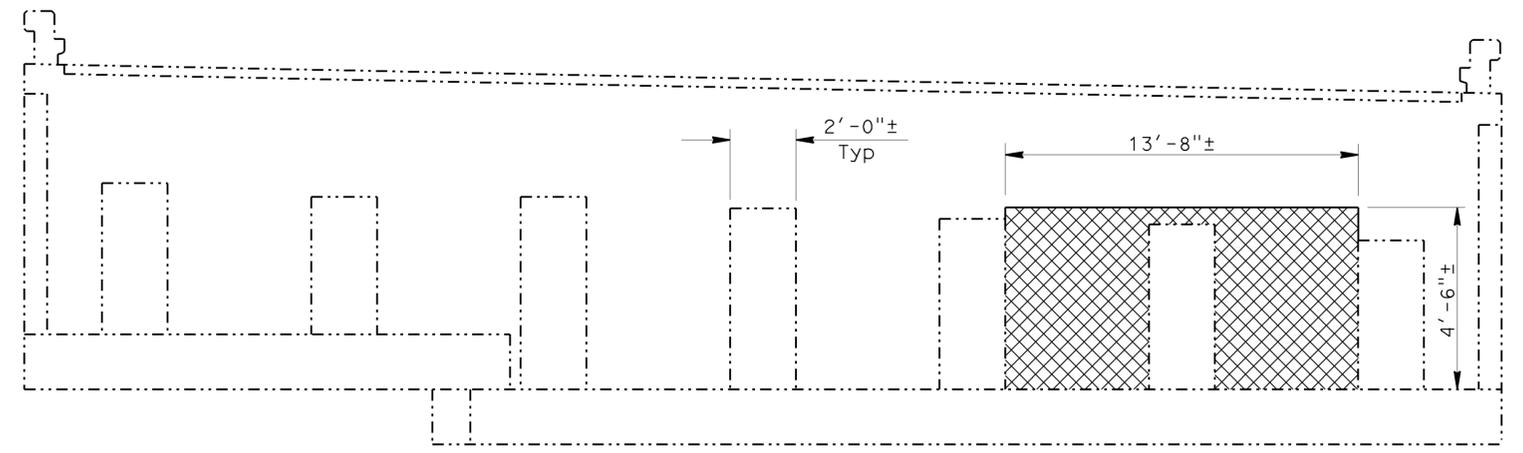


CORNER SPALL

No Scale

AREA SPALL

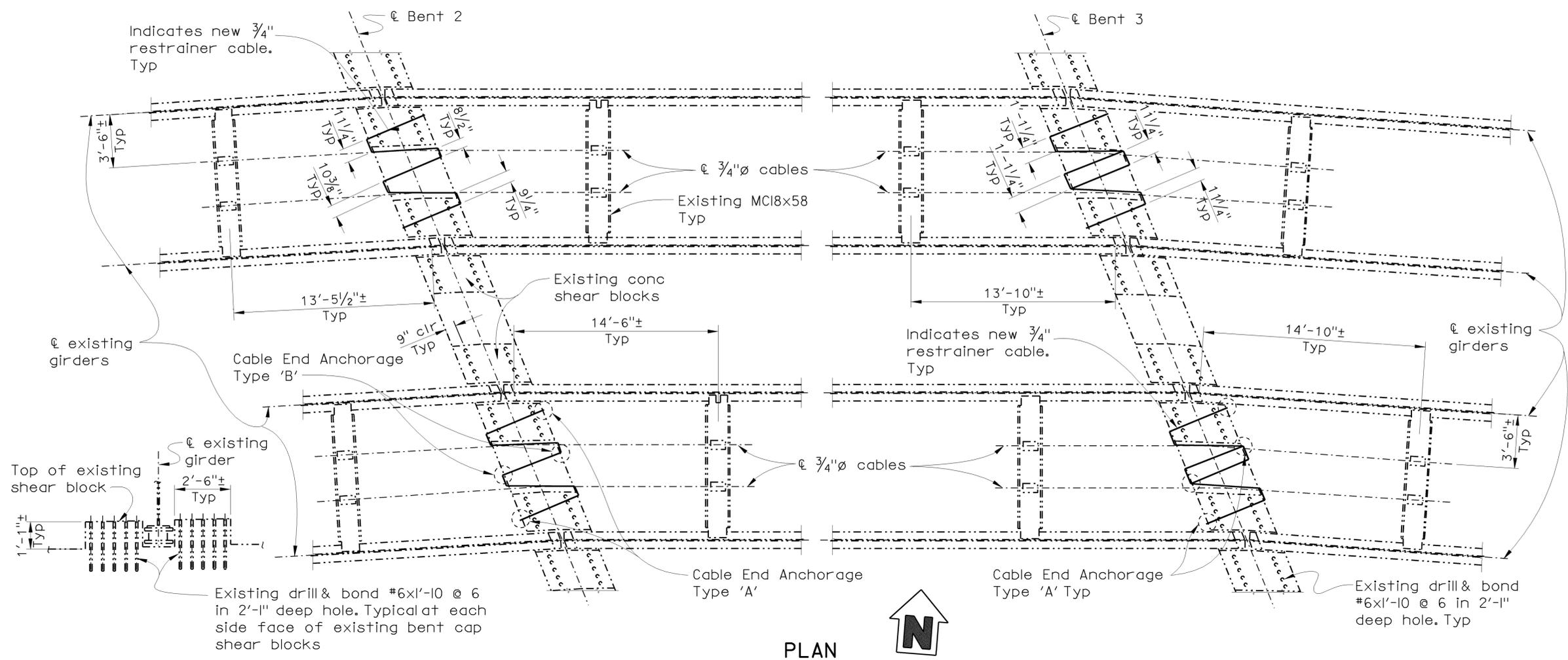
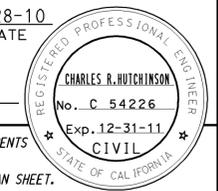
No Scale



ABUTMENT 1 ELEVATION

BR. NO. 17-0071L, RTE 80, NEV, PM 61.65
No Scale

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA,NEV	80	Var	30	33
<i>Charles R. Hutchinson</i> REGISTERED CIVIL ENGINEER			9-28-10	DATE	
11-08-10 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					

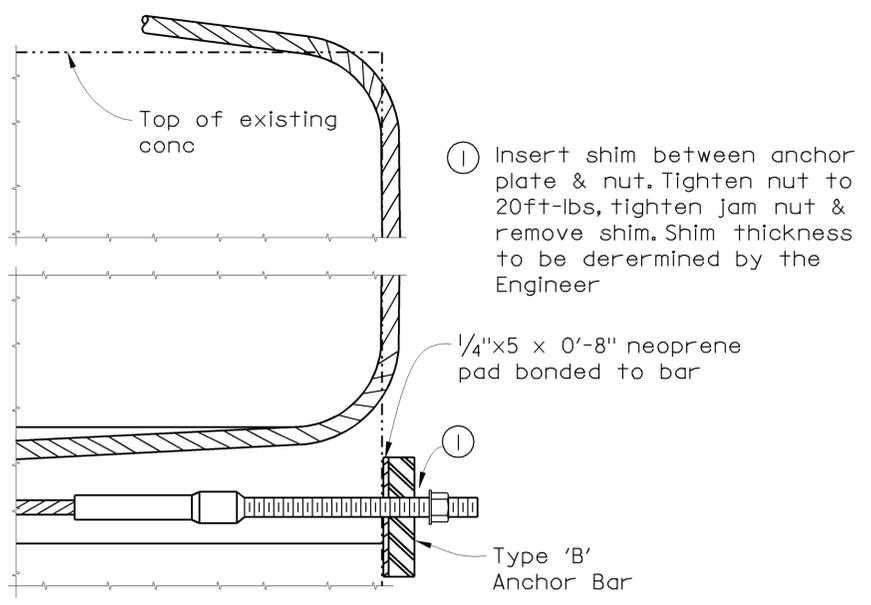


NOTES: (APPLY TO THIS SHEET ONLY)

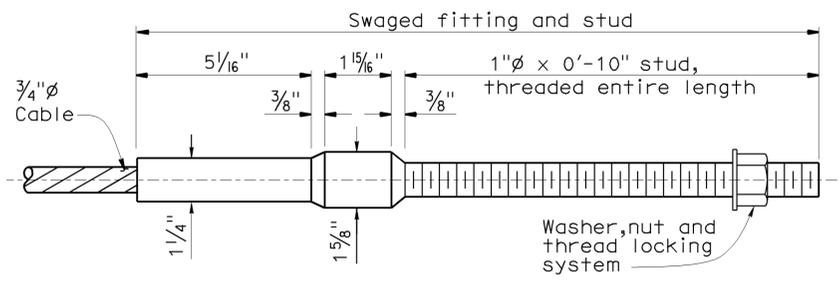
----- Indicates existing.

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

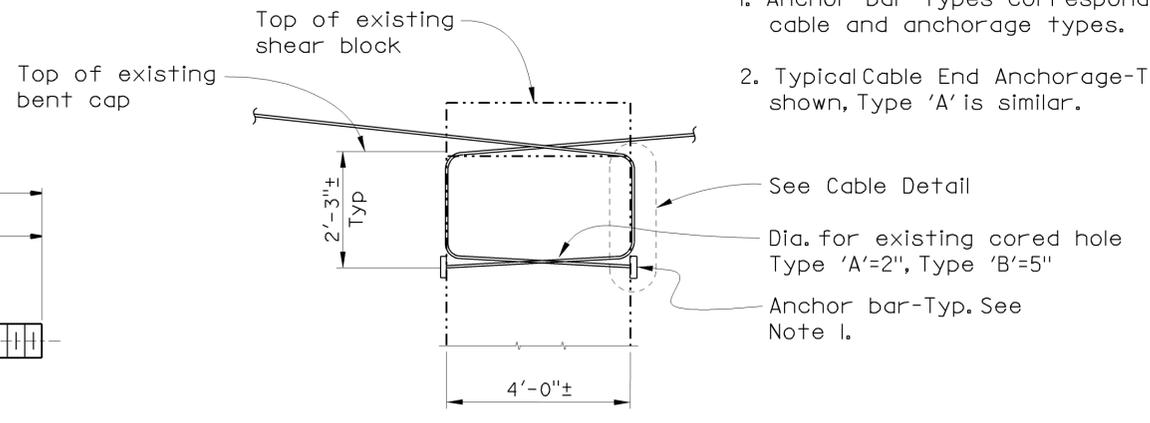
PLAN
 $1/4" = 1' - 0"$
 DONNER LAKE UNDERCROSSING (17-0076 L/R)



CABLE DETAIL
NO SCALE



CABLE END ANCHORAGE
NO SCALE



TYPICAL CABLE END ANCHORAGE-TYPE 'B'
NO SCALE

Notes:

- Anchor bar types correspond with cable and anchorage types.
- Typical Cable End Anchorage-Type 'B' shown, Type 'A' is similar.

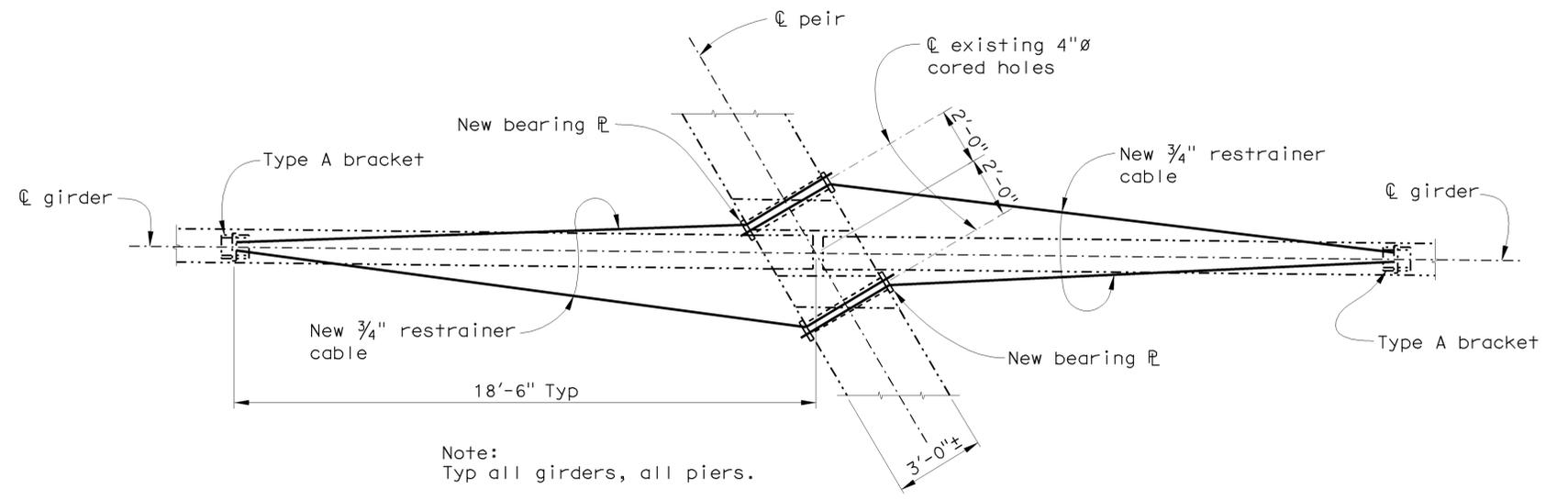
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 80 BRIDGES	
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen			17-0076 L/R	RESTRAINER CABLE DETAILS NO. 1	
	QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen			POST MILE	R9.07	
				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 03 EA 3M6801	REVISION DATES	SHEET 20 OF 23	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	31	33

Charles R. Hutchinson 9-28-10
 REGISTERED CIVIL ENGINEER DATE

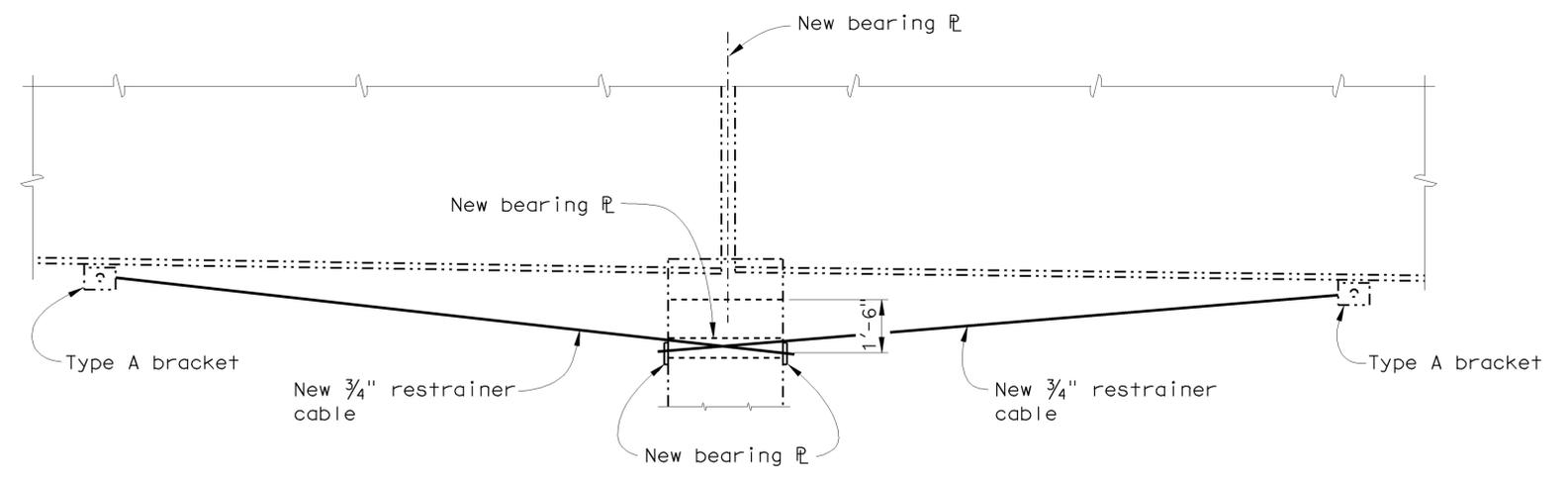
11-08-10
 PLANS APPROVAL DATE

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PLAN

Bridge No. 17-0063R, RTE 80, NEV, PM 28.0
 $\frac{3}{8}'' = 1' - 0''$



ELEVATION

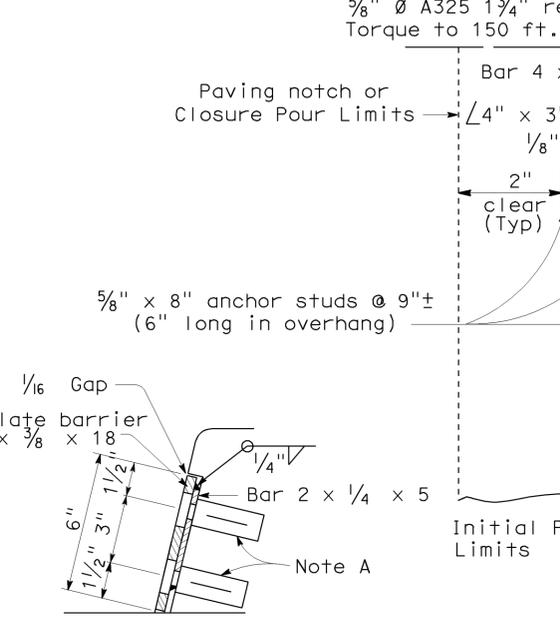
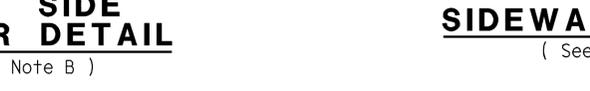
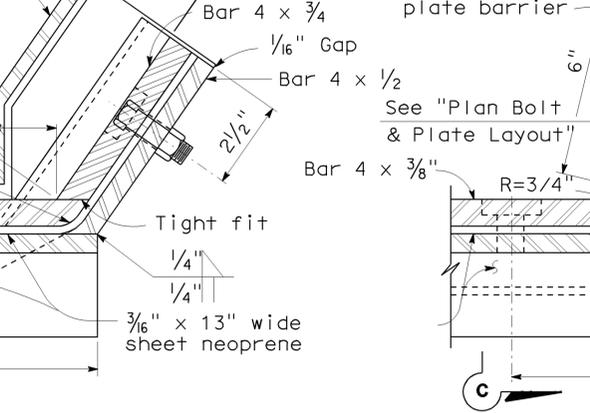
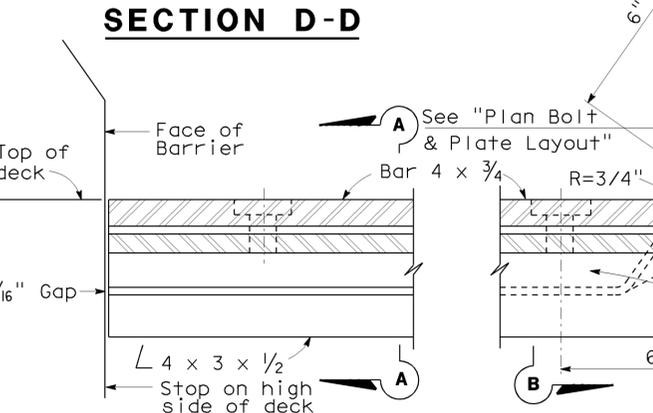
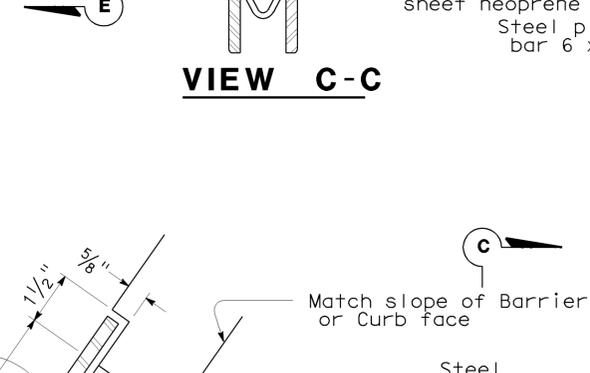
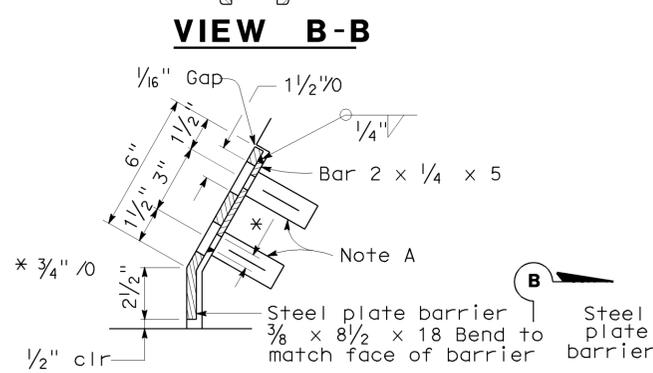
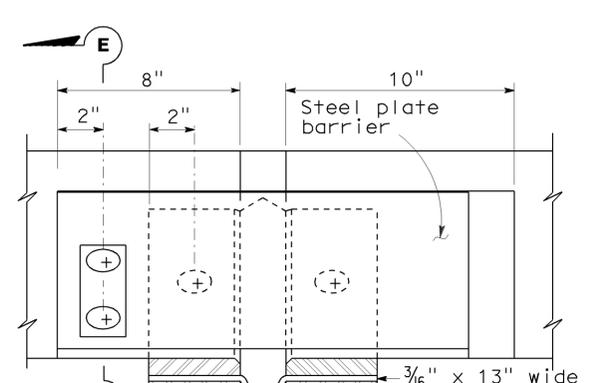
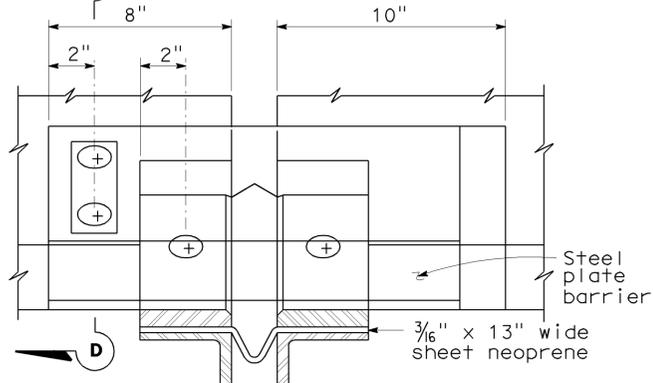
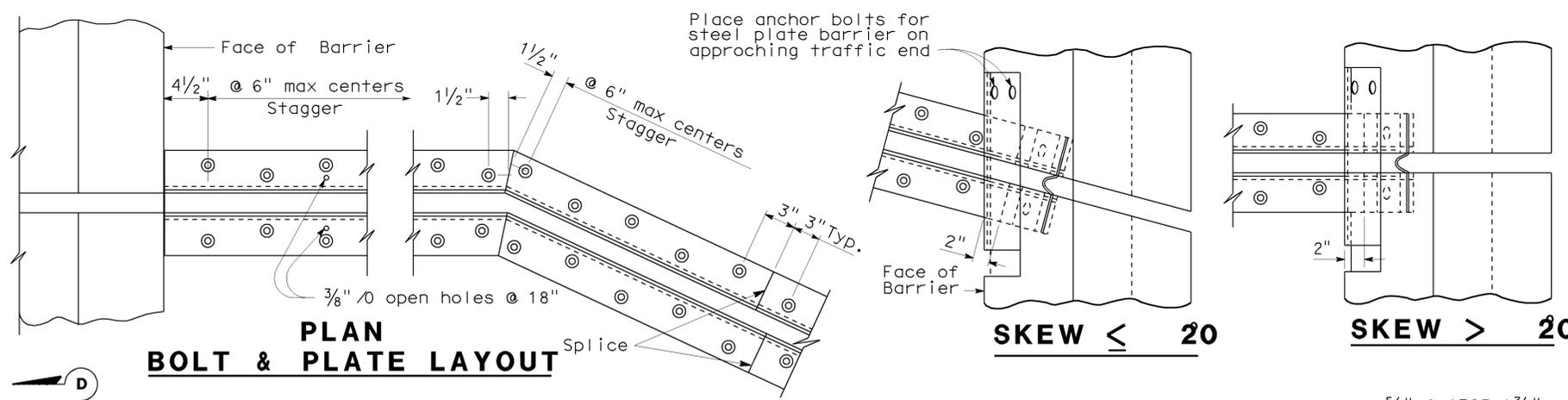
$\frac{3}{8}'' = 1' - 0''$

NOTES: (APPLY TO THIS SHEET ONLY)
 - - - - - Indicates existing.

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

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	17-0063R	ROUTE 80 BRIDGES RESTRAINER CABLE DETAILS NO. 2		
	DETAILS	BY Trung Lam	CHECKED Brian Nguyen			POST MILE	28.0			
	QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen			CU 03 EA 3M6801	REVISION DATES		<table border="1"> <tr> <td>4-30-10</td> <td>5-12-10</td> <td>8-02-10</td> <td>9-28-10</td> <td>11-17-10</td> </tr> </table>	4-30-10
4-30-10	5-12-10	8-02-10	9-28-10	11-17-10						
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET 21 OF 23				

DATE PLOTTED => 19-NOV-2010 TIME PLOTTED => 10:26 USERNAME => TLLCM



Bridge No.	Joint Information			"a" Dimensions		
	Location	Movement Rating (MR)	Skew	Winter	Spring & Fall	Summer
17-0058L	Abut 1	2 1/2"	N/A	2 7/8"	2 2/7	1
	Abut 4	2 1/2"	N/A	2 7/8"	2 2/7	1
17-0058R	Abut 1	2 1/2"	N/A	2 7/8"	2 2/7	1
	Abut 4	2 1/2"	N/A	2 7/8"	2 2/7	1

NOTES: Full penetration butt welds may be substituted for fillet welds on all anchor studs. Alternate types of anchor studs may be permitted subject to the approval by the Engineer. Joint seal assembly to be used in conjunction with closure pour. (See other sheets for limits). Closure pour shall not be placed until final deck surface is within the tolerances specified. Use joint at crown of roadway, at any change in traverse slope in deck and at changes in horizontal direction. Place other joints at or near lanes. All metal parts to be painted or galvanized after fabrication. Sheet neoprene shall be fabricated in one continuous piece or joints shall be vulcanized. Neoprene shall be fabricated to bend around corners. 1" holes in neoprene sheets shall be drilled or punched so that the neoprene is not distorted at the time of installation.

NOTE A
 Insert assembly or expansion anchorage for 5/8" x 1 3/4" A325 bolt.

NOTE B
 Use the sidewalk Detail at all sidewalk joints. Use the Barrier Detail at both sides if the roadway is crowned or if the difference in elevation between the ends of the seal is 0.5" or less.

NO SCALE

STANDARD DRAWING
 FILE NO. **xs8-010e**
 APPROVED BY **T. DELIS**
 RESPONSIBLE TECHNICAL SPECIALIST
 APPROVAL DATE **5-8-08**
 RELEASED BY **ROBERTO LACALLE**
 RESPONSIBLE OFFICE CHIEF
 RELEASE DATE **5-8-08**

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. **VARIOUS**
 POST MILE **VARIES**
ROUTE 80 BRIDGES
JOINT SEAL ASSEMBLY
(MAXIMUM MOVEMENT RATING = 4")

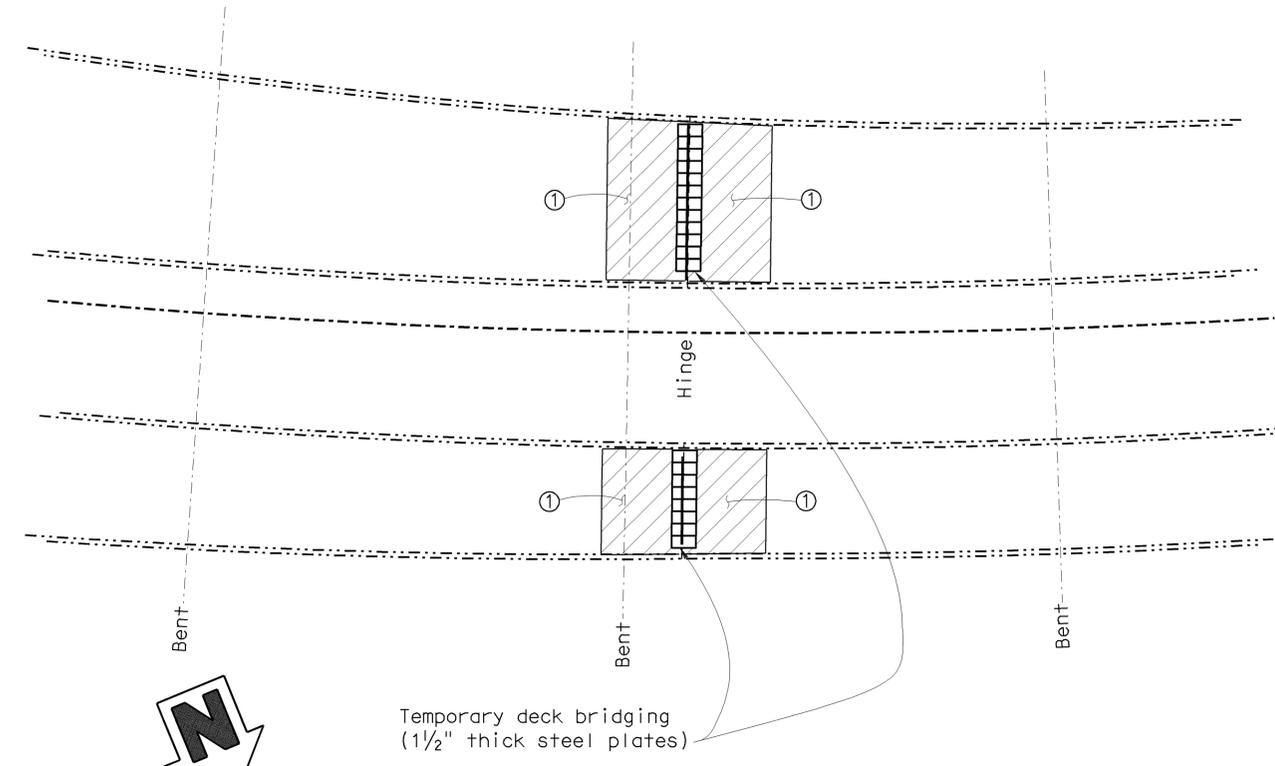
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	PLA, NEV	80	Var	33	33

Charles R. Hutchinson 9-28-10
 REGISTERED CIVIL ENGINEER DATE

11-08-10
 PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
 CHARLES R. HUTCHINSON
 No. C 54226
 Exp. 12-31-11
 CIVIL
 STATE OF CALIFORNIA



Temporary deck bridging (1 1/2" thick steel plates)

CONCRETE TAPER DETAIL
No Scale

TEMPORARY DECK PLATE DESIGN LOADING

MOMENT DEMAND/FOOT (kip-ft/ft)	ANCHOR BOLT SHEAR/FOOT (kip/ft)	ANCHOR BOLT TENSION (kip)
8.7	8.0	10.4

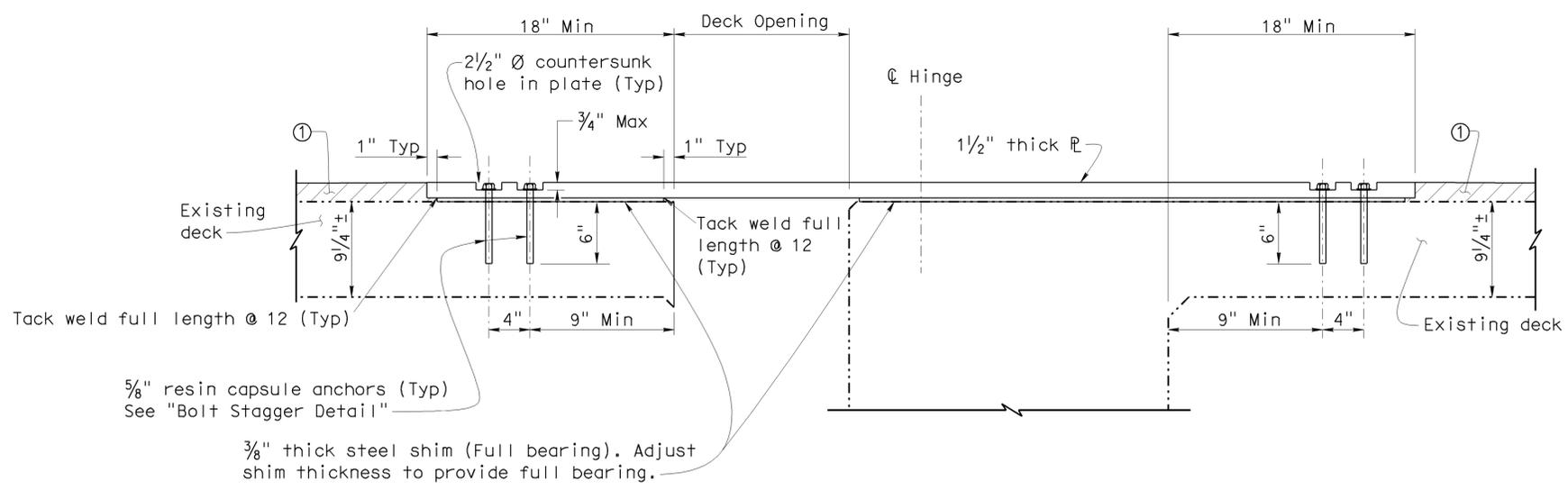
Plate deflection shall not exceed s/300 (s = span of plate). Maximum anchor bolt spacing = 0'-9".

Note:

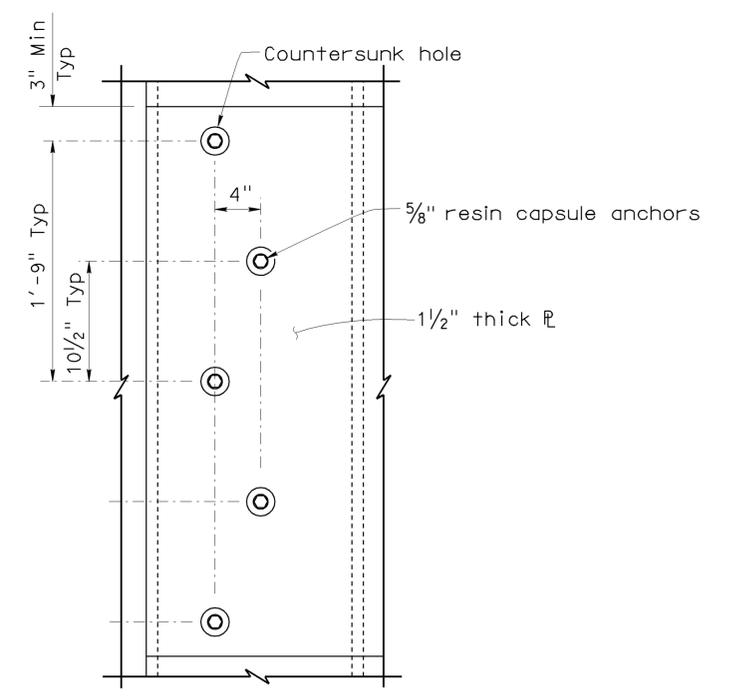
- ① Place tapered 200:1 (leading / trailing edge = 1/2" thick Max) rigid pavement material at approach and departure of construction.

**GENERAL NOTES
LOAD FACTOR DESIGN**

- DESIGN: BRIDGE DESIGN SPECIFICATIONS (1996 AASHTO with Interims and Revisions by CALTRANS)
- DEAD LOAD: Includes 35 psf for future wearing surface.
- LIVE LOADING: HS20-44 and alternative permit design load.
- REINFORCED CONCRETE: fy = 60,000 psi
f'c = 3,600 psi
n = 9



TEMPORARY DECK PLATE CONNECTION
1/2" = 1'-0"



BOLT STAGGER DETAIL
1/2" = 1'-0"

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

DESIGN	BY Charles Hutchinson	CHECKED Brian Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 80 BRIDGES DECK PLATING DETAILS
DETAILS	BY Trung Lam	CHECKED Brian Nguyen			VARIOUS	
QUANTITIES	BY Charles Hutchinson	CHECKED Brian Nguyen			VARIES	
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 03 EA 3M6801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 7-27-10 8-20-10 9-28-10 11-17-10
				0 1 2 3		SHEET 23 OF 23