

INDEX OF SHEETS

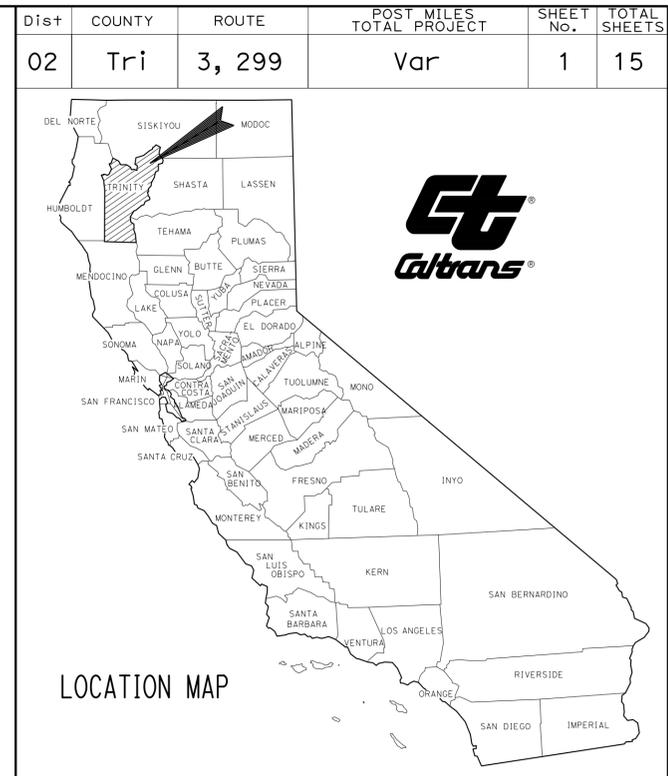
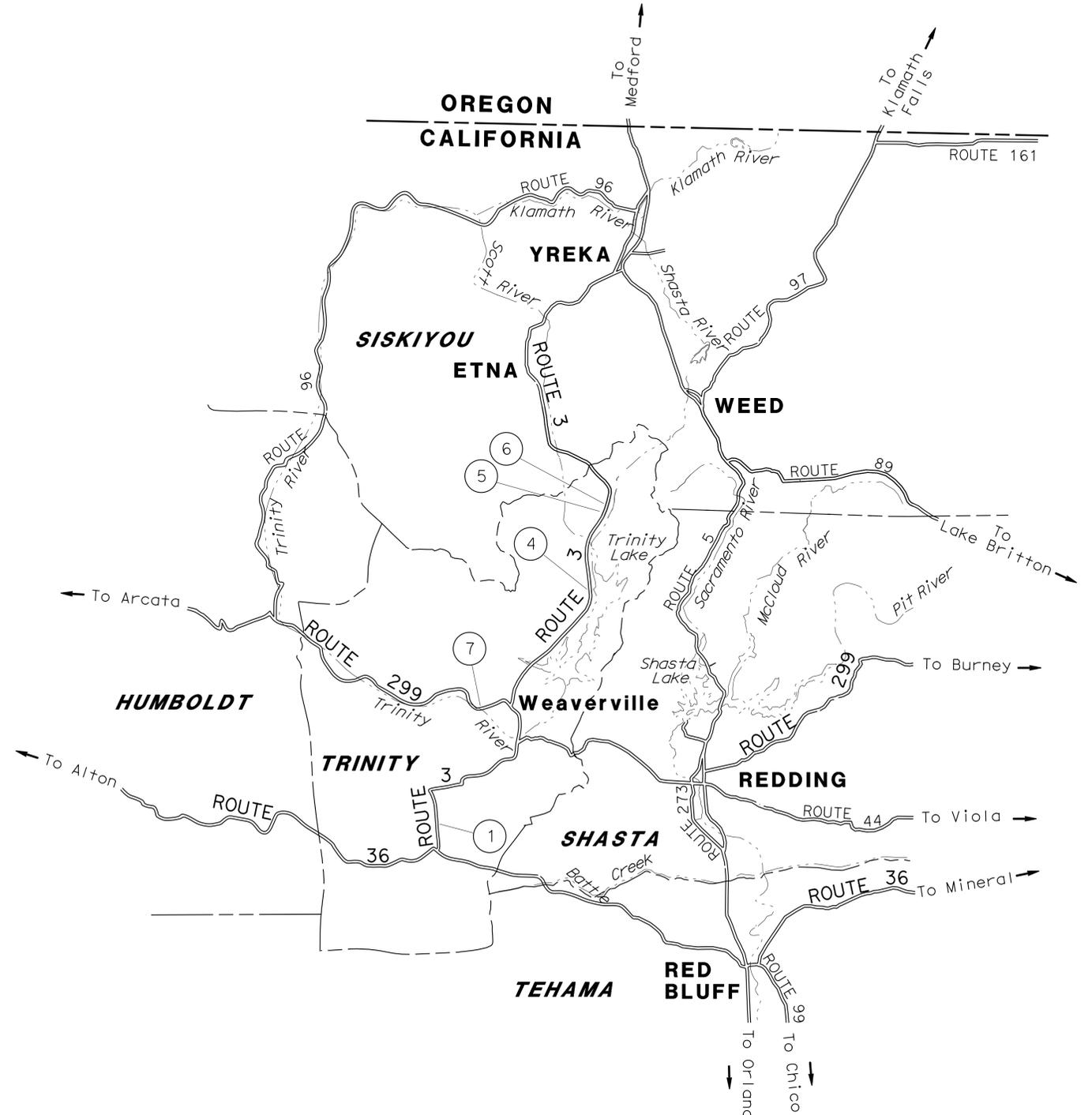
SHEET No.	DESCRIPTION
1	TITLE SHEET AND LOCATION MAP
2	CONSTRUCTION DETAILS
3	CONSTRUCTION AREA SIGNS
4-5	SUMMARY OF QUANTITIES
6-7	TRAFFIC CONTROL SYSTEM
8	REVISED STANDARD PLANS
9-15	STRUCTURE PLANS

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN TRINITY COUNTY
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2010



LOCATIONS OF CONSTRUCTION

Loc	COUNTY	ROUTE	POST MILE	BRIDGE No.	BRIDGE NAME
1	Tri	3	L3.84	05-0061	SALT CREEK
2	LOCATIONS 2 AND 3 WERE REMOVED FROM PROJECT				
3	LOCATIONS 2 AND 3 WERE REMOVED FROM PROJECT				
4	Tri	3	60.03	05-0059	SWIFT CREEK
5	Tri	3	77.17	05-0063	GRAVES CREEK
6	Tri	3	77.93	05-0027	SUNFLOWER CREEK
7	Tri	299	28.99	05-0009	MANZANITA CREEK

PROJECT MANAGER
LANCE BROWN

DESIGN ENGINEER
LANCE BROWN

Roy S. Cahill 3-11-13
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER



March 11, 2013
PLANS APPROVAL DATE

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

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

NO SCALE

DATE PLOTTED => 25-MAR-2013
TIME PLOTTED => 06:46
LAST REVISION 3-11-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri	3, 299	Var	2	15

Roy & Cahill 3-11-13
 REGISTERED CIVIL ENGINEER DATE
 3-11-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 ROY S. CAHILL
 No. C48876
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

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

NOTES:

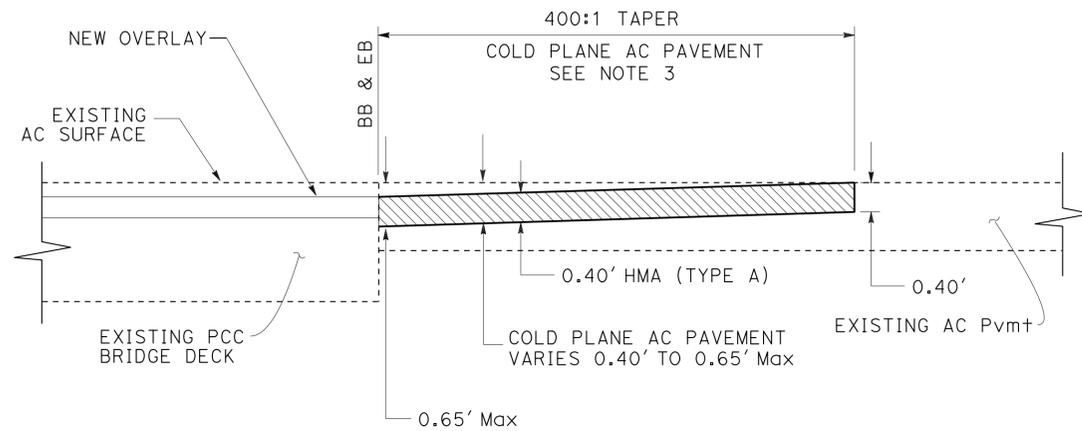
1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AND CROSS SLOPE TO MATCH EXISTING OR AS DIRECTED BY THE ENGINEER.
3. COLD PLANE FULL WIDTH OF PAVED ROADWAY.
4. SEE GENERAL PLANS FOR DETAILS NOT SHOWN.
5. EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
6. EXISTING BRIDGE JOINTS ARE NOT SHOWN ON THIS PLAN.
7. PLACE SHOULDER BACKING ON BOTH SIDES OF EACH HMA APPROACH TAPER FOR THE FULL LENGTH OF THE NEW TAPER.

LEGEND

 HOT MIX ASPHALT (TYPE A)

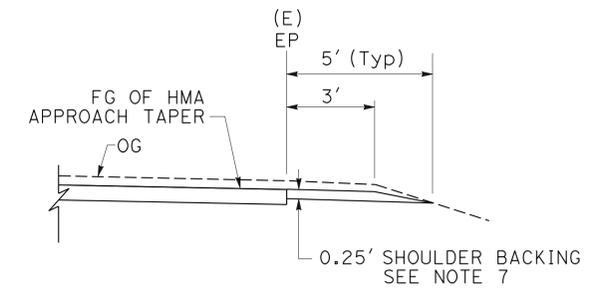
ABBREVIATIONS

(E) EXISTING



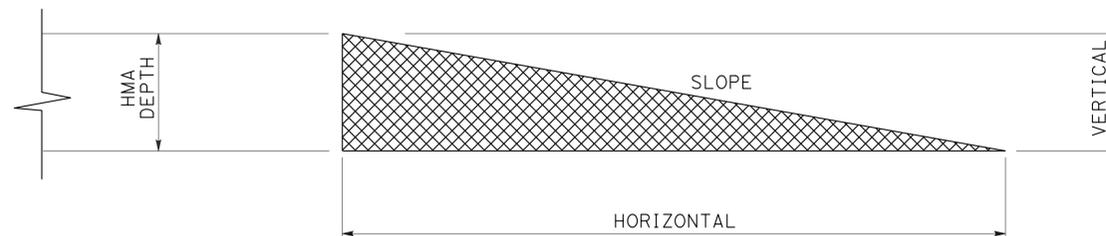
**PROFILE
MODIFY PAVEMENT TYPICAL**

GRAVES CREEK, Br No. 05-0063
 SUNFLOWER CREEK, Br No. 05-0027
 MANZANITA CREEK, Br No. 05-0009



**SHOULDER BACKING DETAIL
(Typ)**

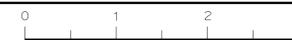
GRAVES CREEK, Br No. 05-0063
 SUNFLOWER CREEK, Br No. 05-0027
 MANZANITA CREEK, Br No. 05-0009



**TRANSVERSE JOINT
TEMPORARY CONSTRUCTION TAPERS**

VERTICAL	SLOPE RATIO Horiz/Vert
0-0.10'	60:1
GREATER THAN 0.10'	160:1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 MAINTENANCE
 Et Caltrans
 FUNCTIONAL SUPERVISOR LANCE BROWN
 CALCULATED-DESIGNED BY ROY CAHILL
 CHECKED BY MIKE CONNER
 REVISOR BY ROY CAHILL
 DATE REVISOR MIKE CONNER
 DATE REVISOR



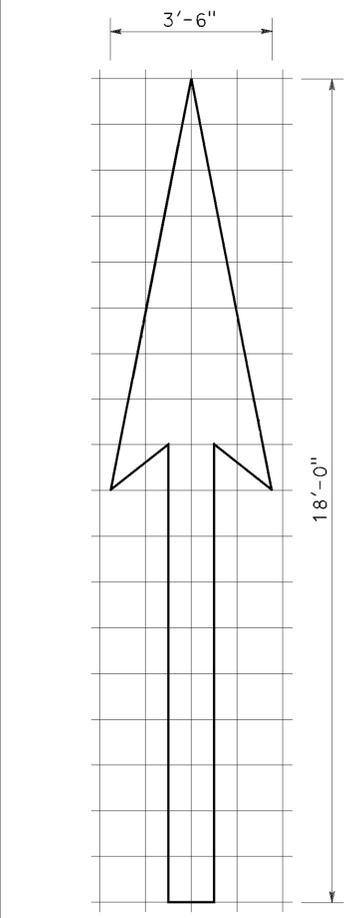
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
02	Tri	3, 299	Var	8	15

Registered Professional Engineer
 Roberto L. McLaughlin
 No. C40375
 Exp. 3-31-13
 CIVIL
 STATE OF CALIFORNIA

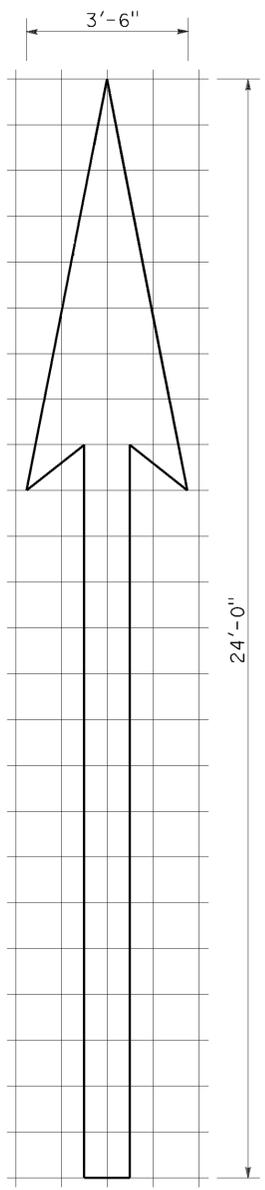
April 20, 2012
 PLANS APPROVAL DATE

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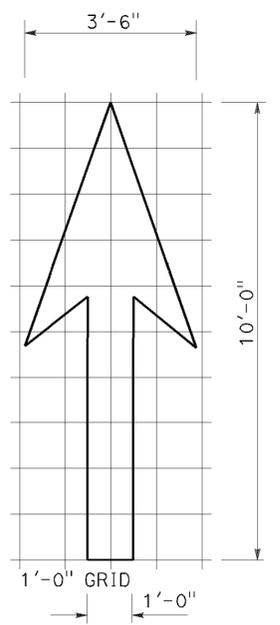
TO ACCOMPANY PLANS DATED 3-11-13



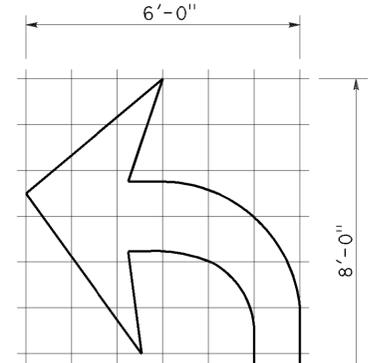
TYPE I 18'-0" ARROW
A=25 ft²



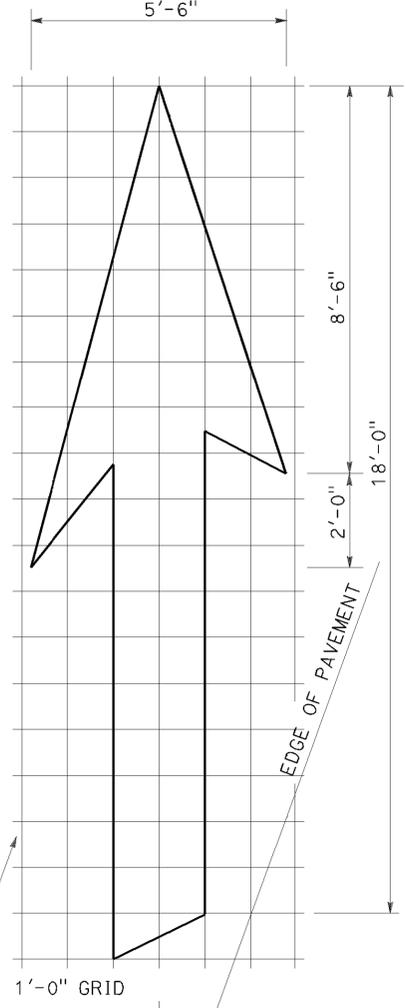
TYPE I 24'-0" ARROW
A=31 ft²



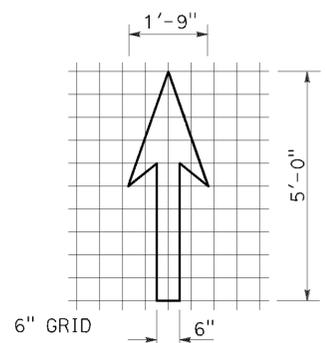
TYPE I 10'-0" ARROW
A=14 ft²



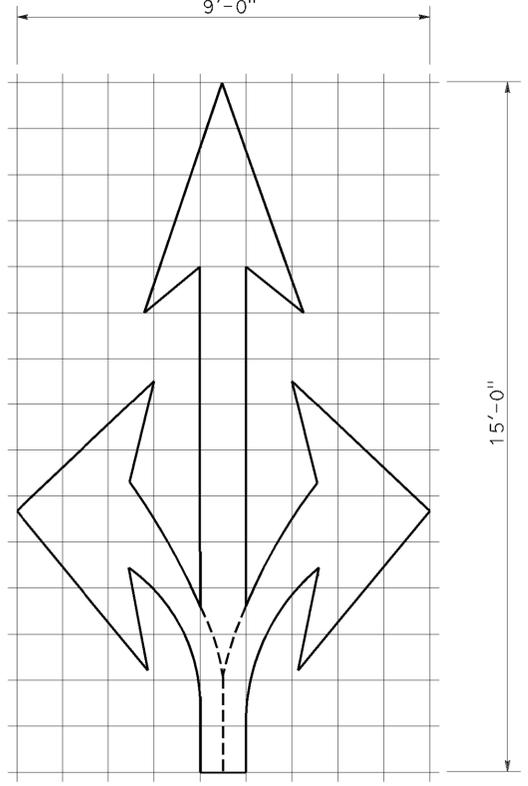
TYPE IV (L) ARROW
A=15 ft²
(For Type IV (R) arrow, use mirror image)



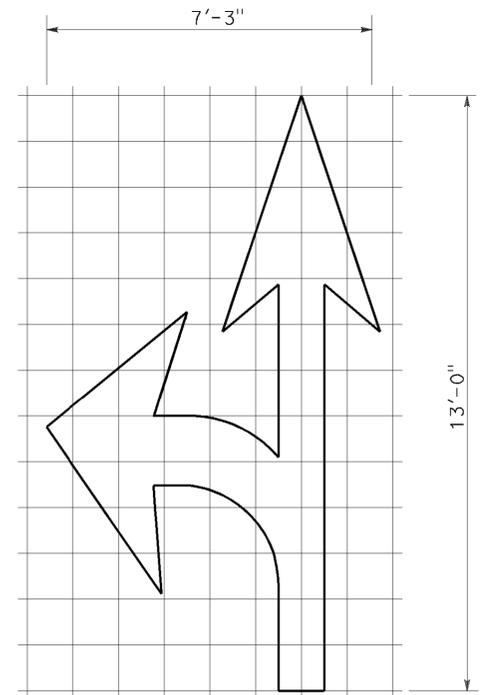
TYPE VI ARROW
A=42 ft²
Right lane drop arrow
(For left lane, use mirror image)



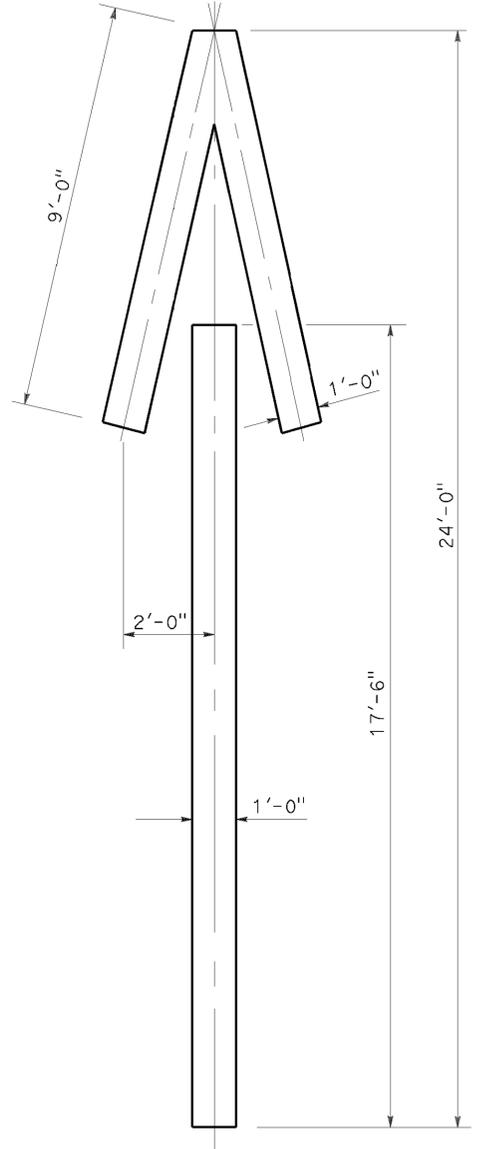
BIKE LANE ARROW
A=3.5 ft²



TYPE VIII ARROW
A=36 ft²



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



TYPE V ARROW
A=33 ft²

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

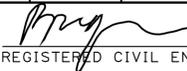
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
ARROWS**
NO SCALE

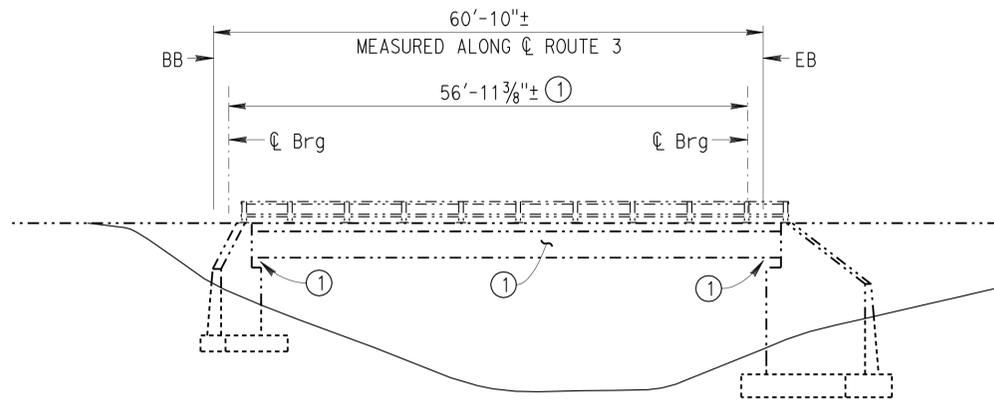
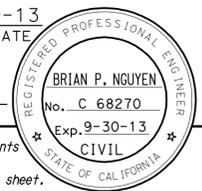
RSP A24A DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN A24A DATED MAY 20, 2011 - PAGE 13 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24A

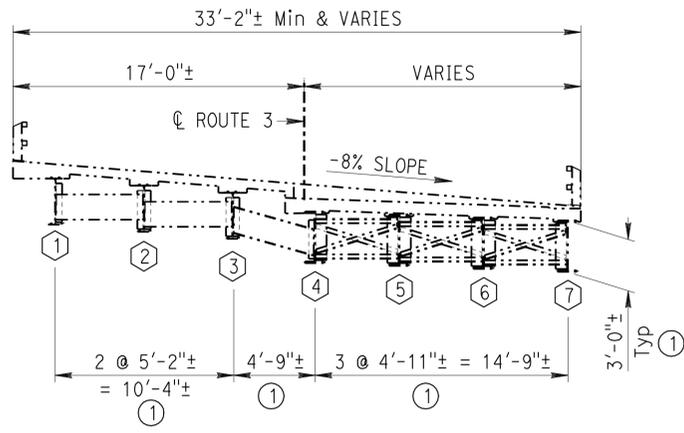
2010 REVISED STANDARD PLAN RSP A24A

P:\proj\02\4E560\plans\pse\24e560va001.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri	3, 299	Var	9	15
			2-19-13	DATE	
REGISTERED CIVIL ENGINEER			DATE		
3-11-13			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

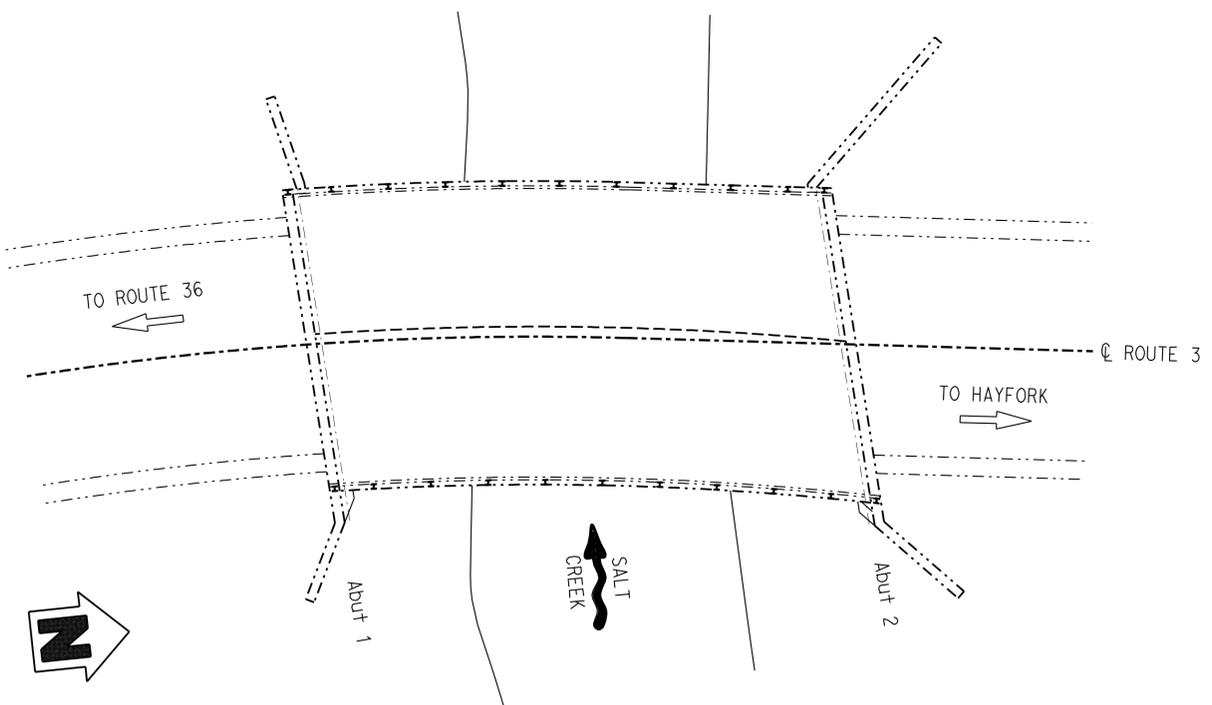


ELEVATION
1" = 10'



TYPICAL SECTION
3/16" = 1'

- NOTES: (APPLY TO ALL SHEETS)
- Indicates existing.
 - THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 - STANDARD PLAN SHEET NUMBER
 - DETAIL NUMBER
- NOTES: (APPLY TO THIS SHEET ONLY)
- 1 - 7-④ Indicates girder designation.
 - ① Indicates limits of clean and paint structural steel and bearings, 3610 SQFT. Spot blast clean and undercoat at Abutment 1, Abutment 2 and right side of girder number 7, approximately 180 SQFT.



SALT CREEK - PLAN
ROUTE 3, Br No. 05-0061 PM L3.84
1" = 10'

SALT CREEK BRIDGE NO. 05-0061

QUANTITIES

CLEAN STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
SPOT BLAST CLEAN AND PAINT UNDERCOAT	180 SQFT
WORK AREA MONITORING	LUMP SUM

INDEX TO PLANS

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

STANDARD PLANS DATED 2010

SHEET No.	TITLE
A10A	ABBREVIATIONS (SHEET 1 OF 2)
A10B	ABBREVIATIONS (SHEET 2 OF 2)
A78F1	DOUBLE THRIE BEAM BARRIER CONNECTION TO BRIDGE RAILINGS WITHOUT SIDEWALKS
A78F2	SINGLE THRIE BEAM BARRIER CONNECTION TO BRIDGE RAILINGS WITHOUT SIDEWALKS
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")

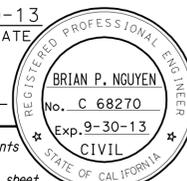
DESIGN	BY Brian Nguyen	CHECKED Huy Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY GF BIDWELL	CHECKED Huy Tran	LAYOUT	BY GF BIDWELL
QUANTITIES	BY Brian Nguyen	CHECKED Huy Tran	SPECIFICATIONS	BY Dave Klein

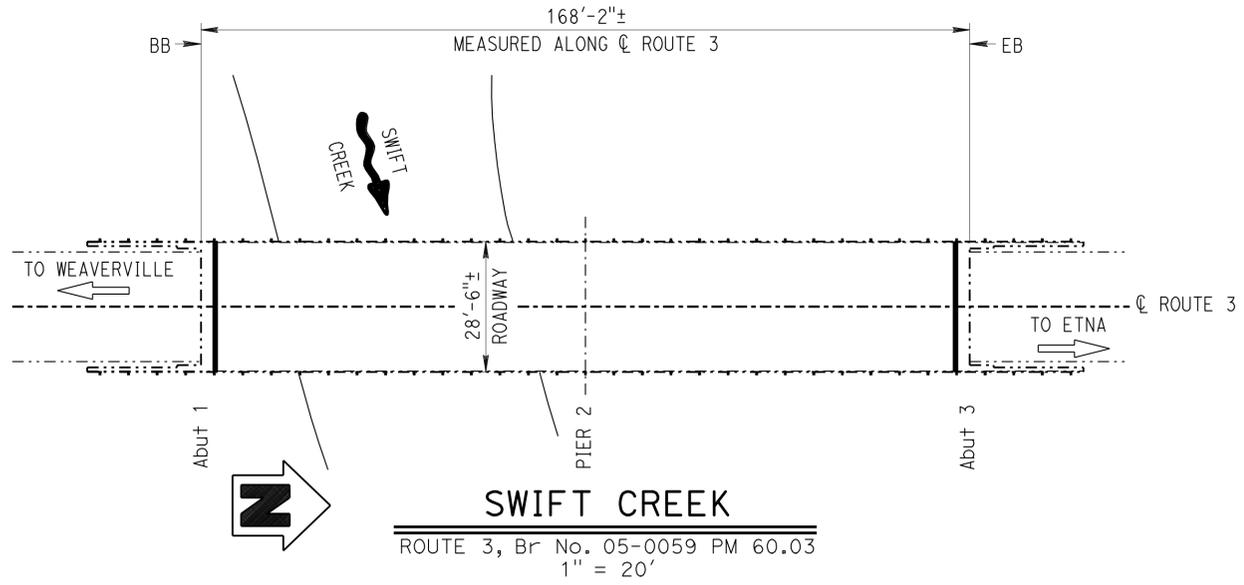
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

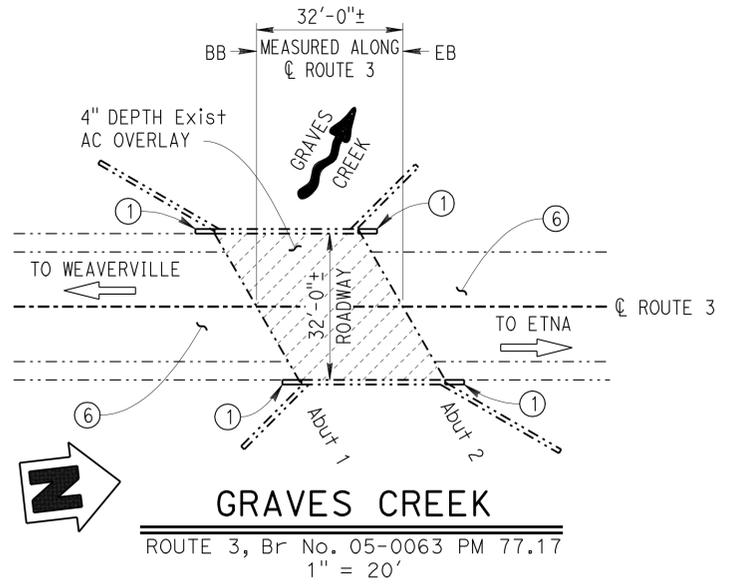
BRIDGE No.	VARIOUS
POST MILE	VARIES

ROUTES 3 & 299 BRIDGES
GENERAL PLAN No. 1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri	3, 299	Var	10	15
 REGISTERED CIVIL ENGINEER DATE 2-19-13					
PLANS APPROVAL DATE 3-11-13					
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SWIFT CREEK
 ROUTE 3, Br No. 05-0059 PM 60.03
 1" = 20'



GRAVES CREEK
 ROUTE 3, Br No. 05-0063 PM 77.17
 1" = 20'

SWIFT CREEK BRIDGE NO. 05-0059

QUANTITIES

CLEAN EXPANSION JOINT	57	LF
JOINT SEAL (MR 1")	57	LF

GRAVES CREEK BRIDGE NO. 05-0063

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	1,024	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	1,024	SQFT
HOT MIX ASPHALT (BRIDGE)	19	TON
DECK SEAL	1,024	SQFT
SLURRY LEVELING COURSE	1,024	SQFT
CONCRETE BARRIER (TRANSITION ANCHOR BLOCK)	17	LF

SUNFLOWER CREEK BRIDGE NO. 05-0027

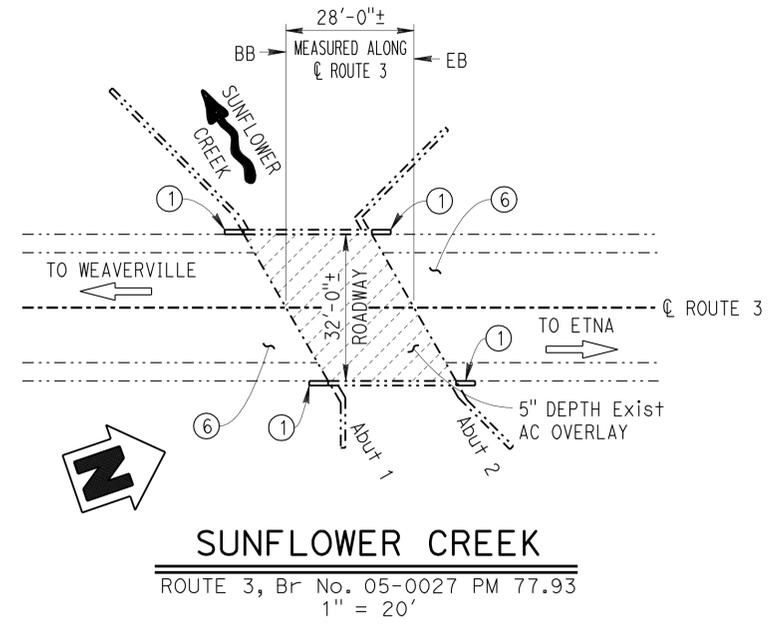
QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	896	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	896	SQFT
HOT MIX ASPHALT (BRIDGE)	17	TON
DECK SEAL	896	SQFT
SLURRY LEVELING COURSE	896	SQFT
CONCRETE BARRIER (TRANSITION ANCHOR BLOCK)	17	LF

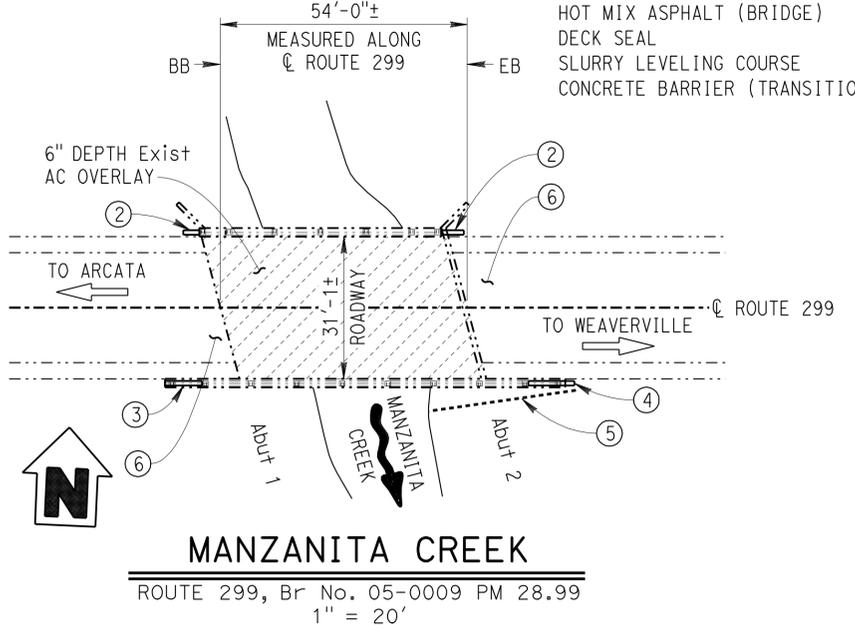
MANZANITA CREEK BRIDGE NO. 05-0009

QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING	1,679	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	1,679	SQFT
HOT MIX ASPHALT (BRIDGE)	32	TON
DECK SEAL	1,679	SQFT
SLURRY LEVELING COURSE	1,679	SQFT
CONCRETE BARRIER (TRANSITION ANCHOR BLOCK)	27	LF



SUNFLOWER CREEK
 ROUTE 3, Br No. 05-0027 PM 77.93
 1" = 20'



MANZANITA CREEK
 ROUTE 299, Br No. 05-0009 PM 28.99
 1" = 20'

- NOTES: (APPLY TO THIS SHEET ONLY)
-  Indicates limits of remove existing AC overlay and membrane, prepare concrete deck, apply slurry leveling course, place new deck seal and 3" depth HMA overlay. For details see "MISCELLANEOUS DETAILS" sheet.
 -  Indicates limits of clean existing expansion joint and install new joint seal. For details see "MISCELLANEOUS DETAILS" sheets.
 - ① Indicates locations of remove portion of existing concrete barrier rail and place new concrete barrier (transition anchor block). For details see "TRANSITION BLOCK DETAILS No. 1" sheet.
 - ② Indicates locations of place new concrete barrier (transition anchor block). For details see "TRANSITION BLOCK DETAILS No. 2" sheet.
 - ③ Indicates locations of remove portion of metal barrier rail and place new concrete barrier (transition anchor block). For details see "TRANSITION BLOCK DETAILS No. 3" sheet.
 - ④ Indicates locations of remove portion of metal barrier rail and place new concrete barrier (transition anchor block). For details see "TRANSITION BLOCK DETAILS No. 4" sheet.
 - ⑤ Indicates location of existing drain pipe to be retained. Place 1/4"± hardboard between existing drain pipe and new transition anchor block.
 - ⑥ See Road Plans for roadway conform.


 DESIGN ENGINEER 2-19-13

DESIGN	BY Brian Nguyen	CHECKED Huy Tran	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY GF BIDWELL	CHECKED Huy Tran	LAYOUT	BY GF BIDWELL
QUANTITIES	BY Brian Nguyen	CHECKED Huy Tran	SPECIFICATIONS	BY Dave Klein

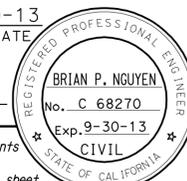
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

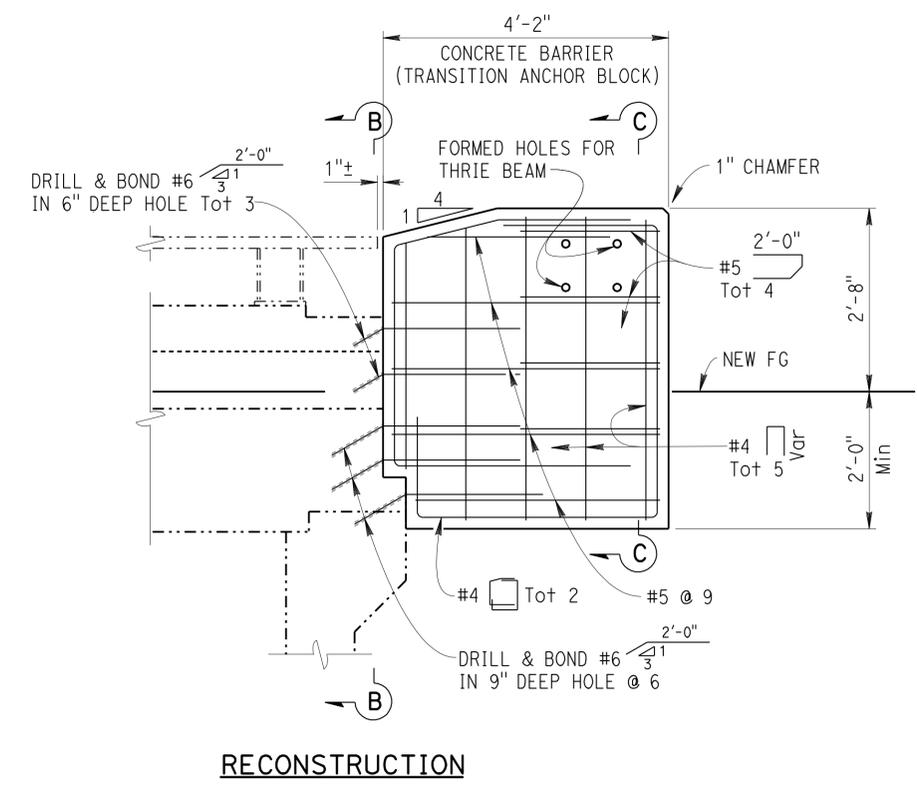
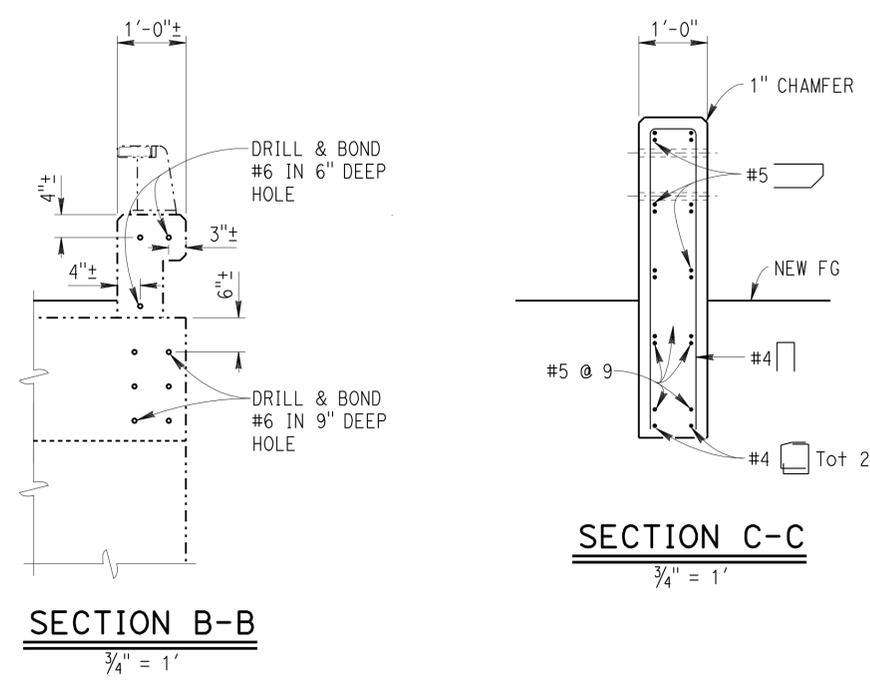
DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE No.	VARIOUS
POST MILE	VARIES

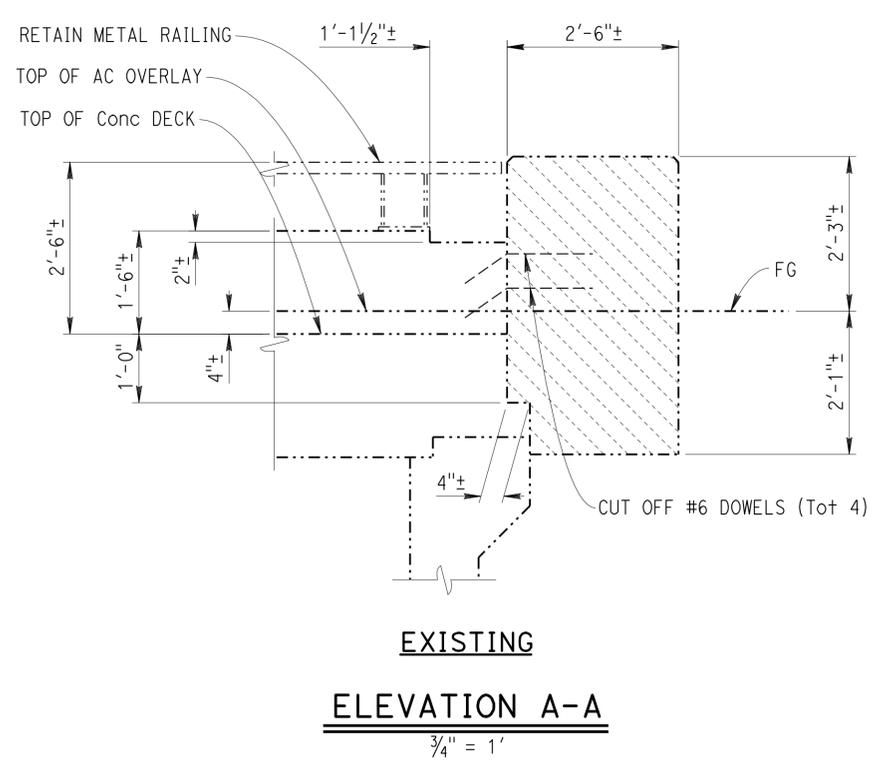
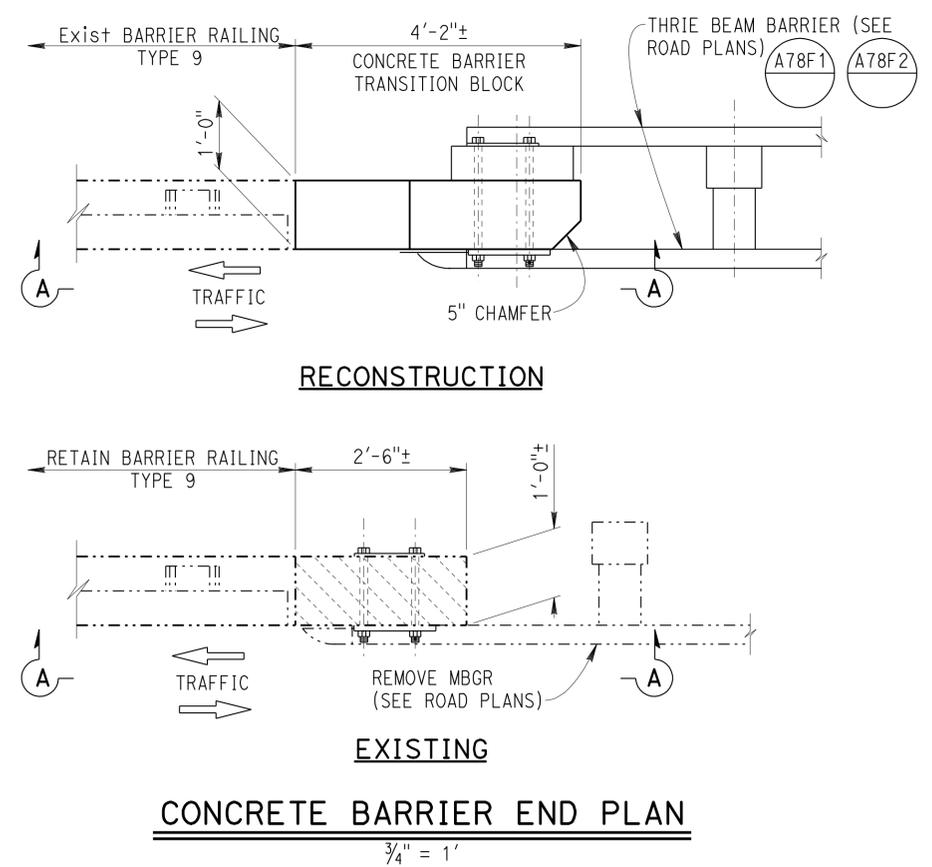
ROUTES 3 & 299 BRIDGES
GENERAL PLAN No. 2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri	3, 299	Var	11	15

 2-19-13
 REGISTERED CIVIL ENGINEER DATE
 3-11-13
 PLANS APPROVAL DATE

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NOTES: (APPLY TO THIS SHEET ONLY)
 Indicates limits of bridge removal (portion).



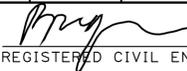
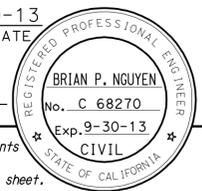
DESIGN	BY Brian Nguyen	CHECKED Huy Tran
DETAILS	BY GF BIDWELL	CHECKED Huy Tran
QUANTITIES	BY Brian Nguyen	CHECKED Huy Tran

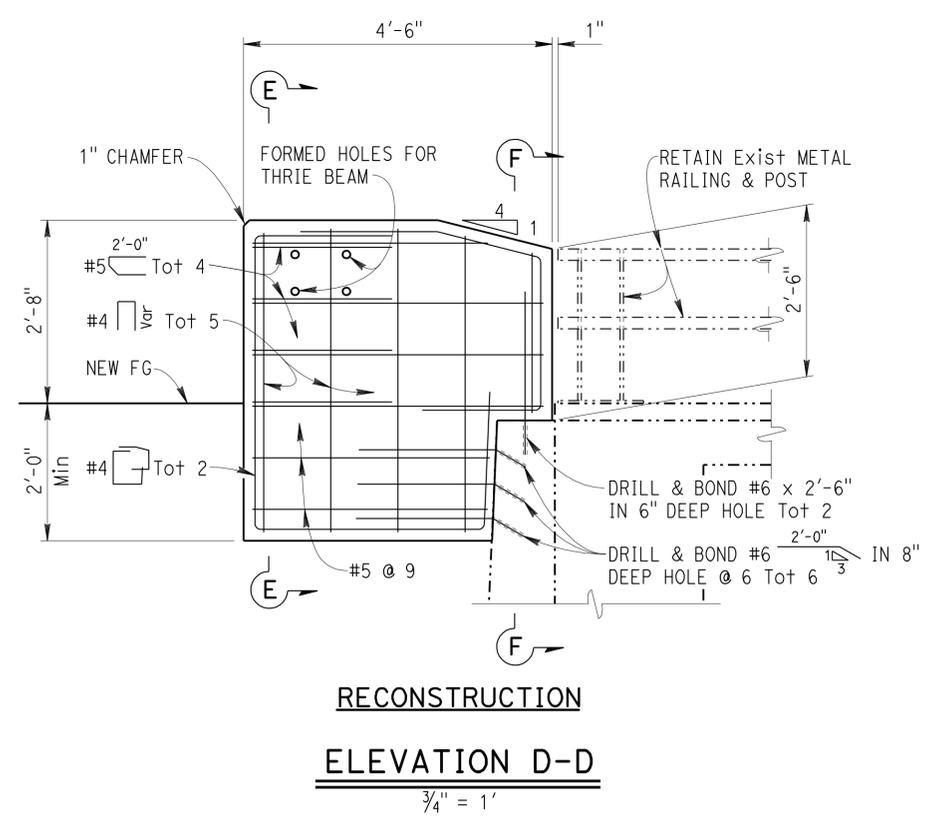
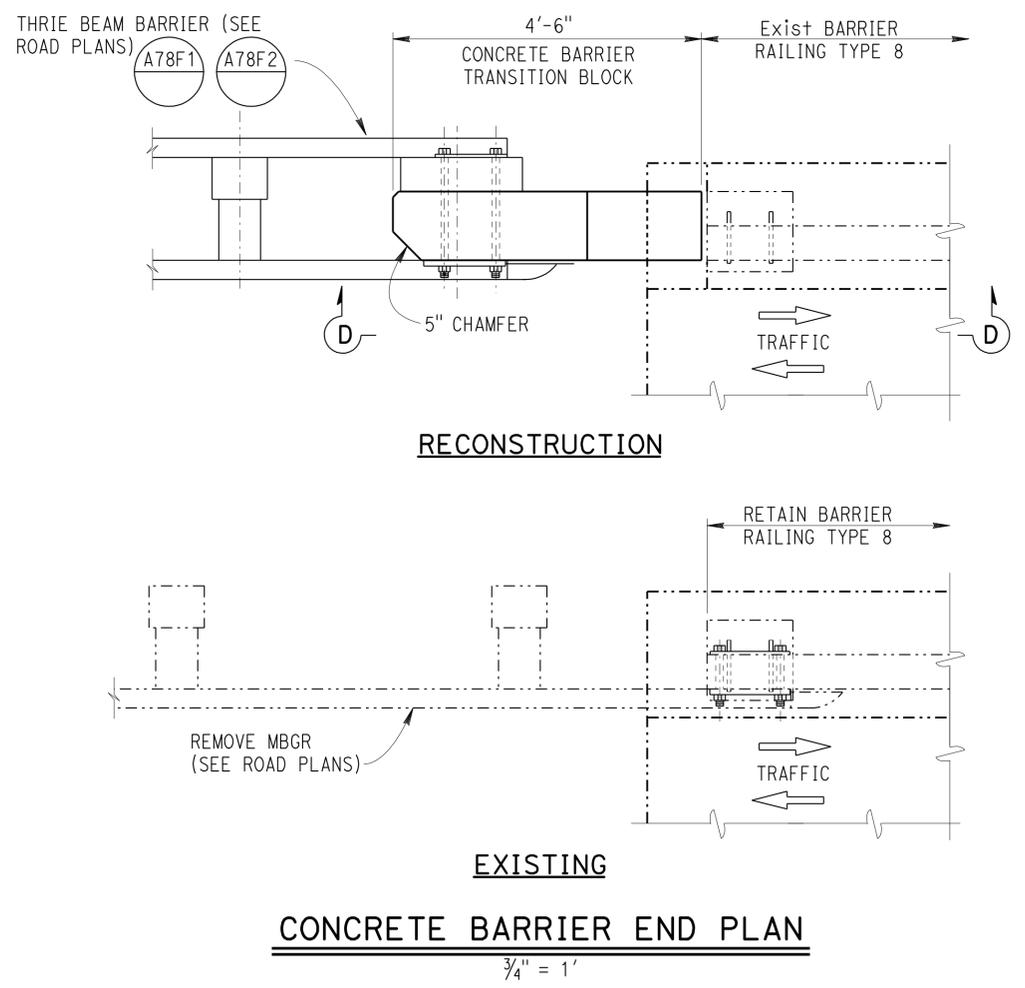
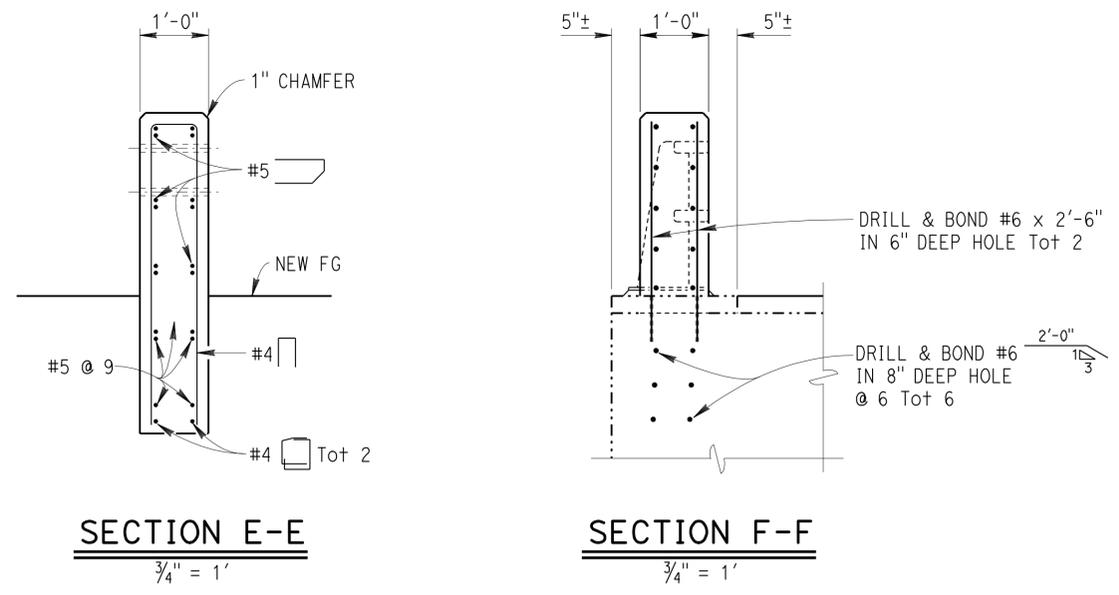
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE No.	VARIOUS
POST MILE	VARIES

ROUTES 3 & 299 BRIDGES
TRANSITION BLOCK DETAILS No. 1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri	3, 299	Var	12	15
 REGISTERED CIVIL ENGINEER DATE 2-19-13					
PLANS APPROVAL DATE 3-11-13					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</small>					



DESIGN	BY Brian Nguyen	CHECKED Huy Tran
DETAILS	BY GF BIDWELL	CHECKED Huy Tran
QUANTITIES	BY Brian Nguyen	CHECKED Huy Tran

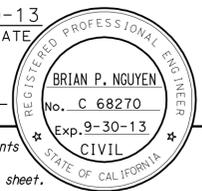
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE No.	VARIOUS
POST MILE	VARIES

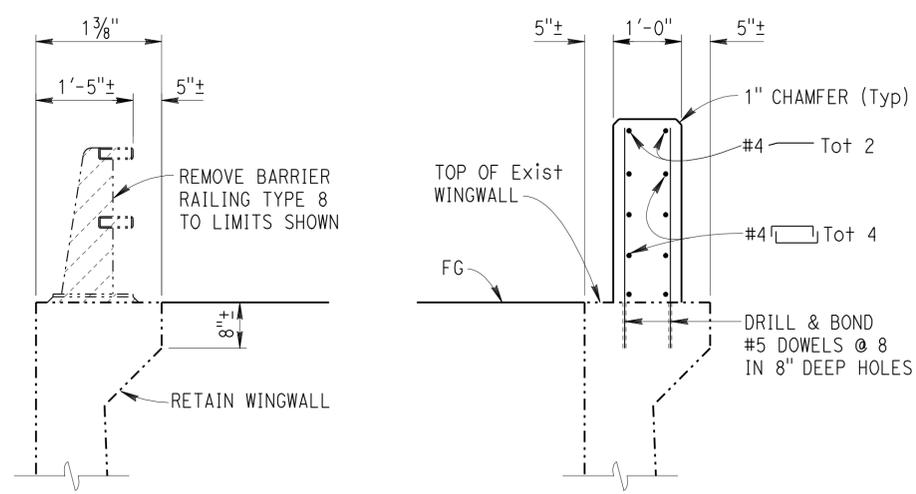
ROUTES 3 & 299 BRIDGES
TRANSITION BLOCK DETAILS No. 2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri	3, 299	Var	13	15
 REGISTERED CIVIL ENGINEER			2-19-13	DATE	
PLANS APPROVAL DATE 3-11-13					
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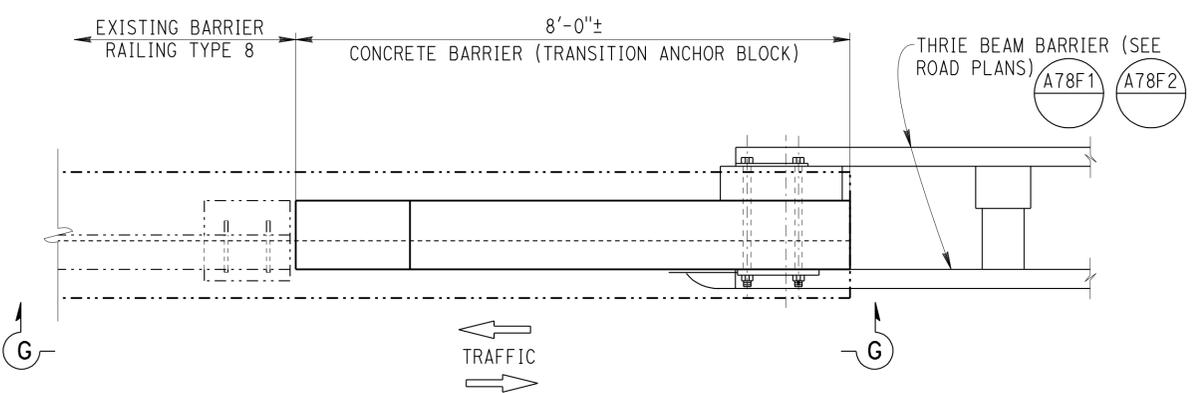
NOTES: (APPLY TO THIS SHEET ONLY)

 Indicates limits of remove existing Barriere Railing Type 11.

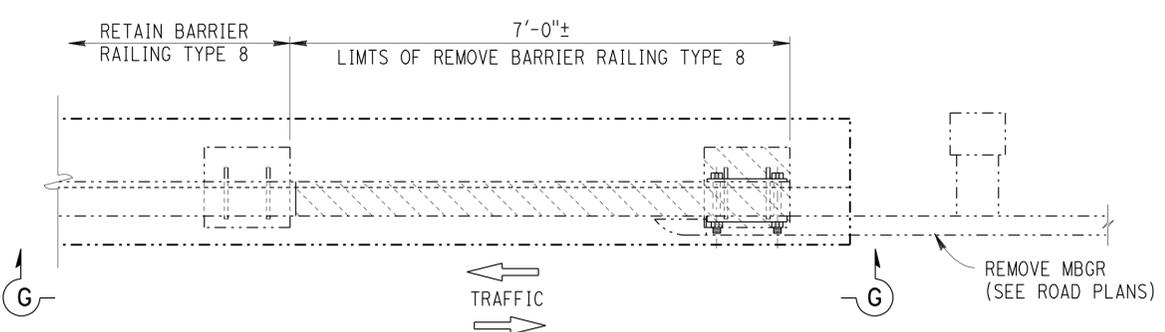


EXISTING **RECONSTRUCTION**

SECTION H-H
 $\frac{3}{4}'' = 1'$

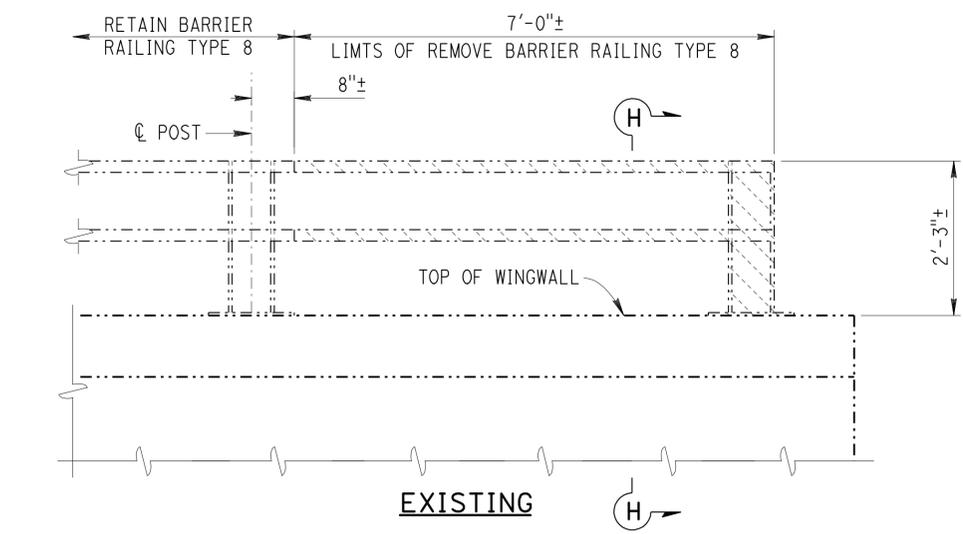


RECONSTRUCTION



EXISTING

CONCRETE BARRIER END PLAN
 $\frac{3}{4}'' = 1'$



EXISTING

ELEVATION G-G
 $\frac{3}{4}'' = 1'$

DESIGN	BY Brian Nguyen	CHECKED Huy Tran
DETAILS	BY GF BIDWELL	CHECKED Huy Tran
QUANTITIES	BY Brian Nguyen	CHECKED Huy Tran

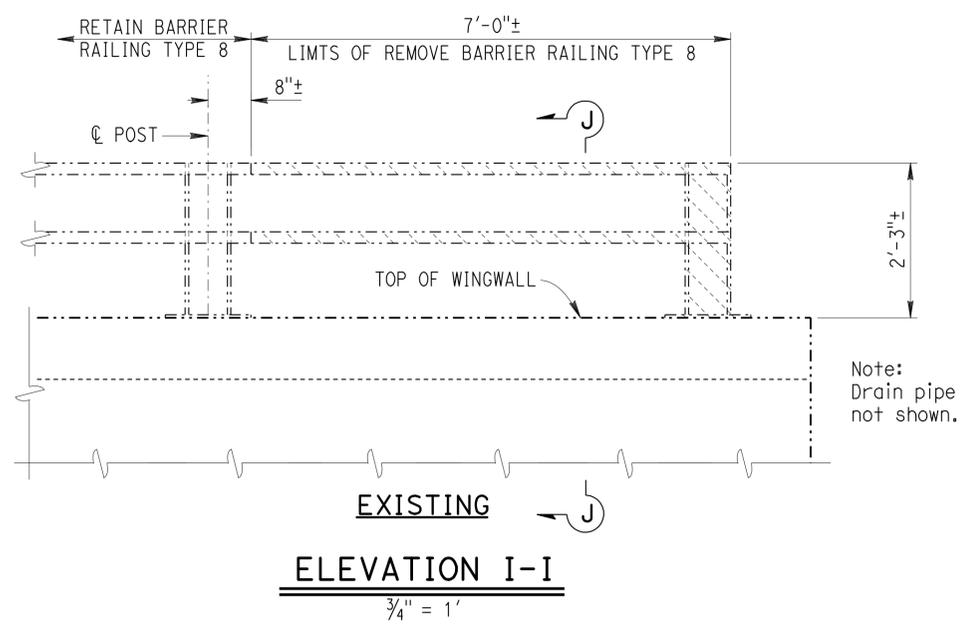
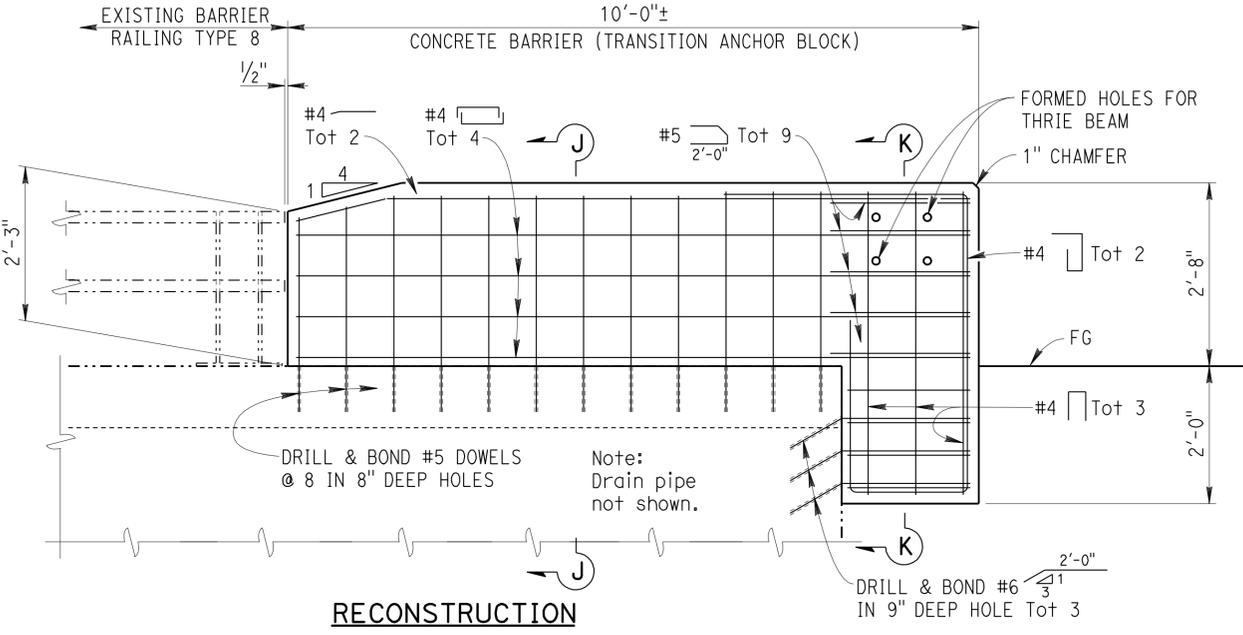
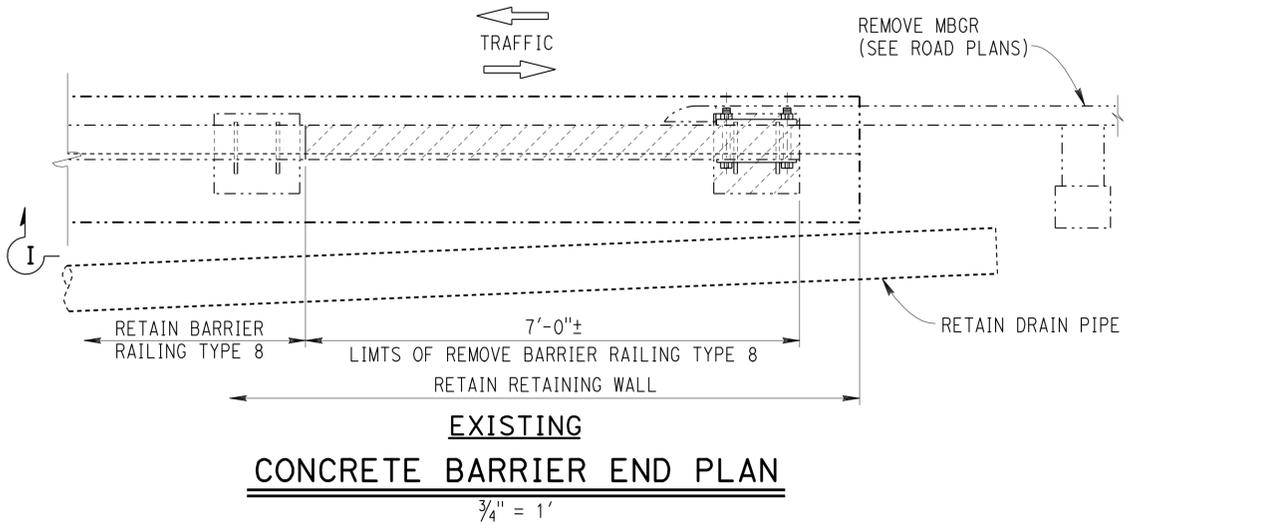
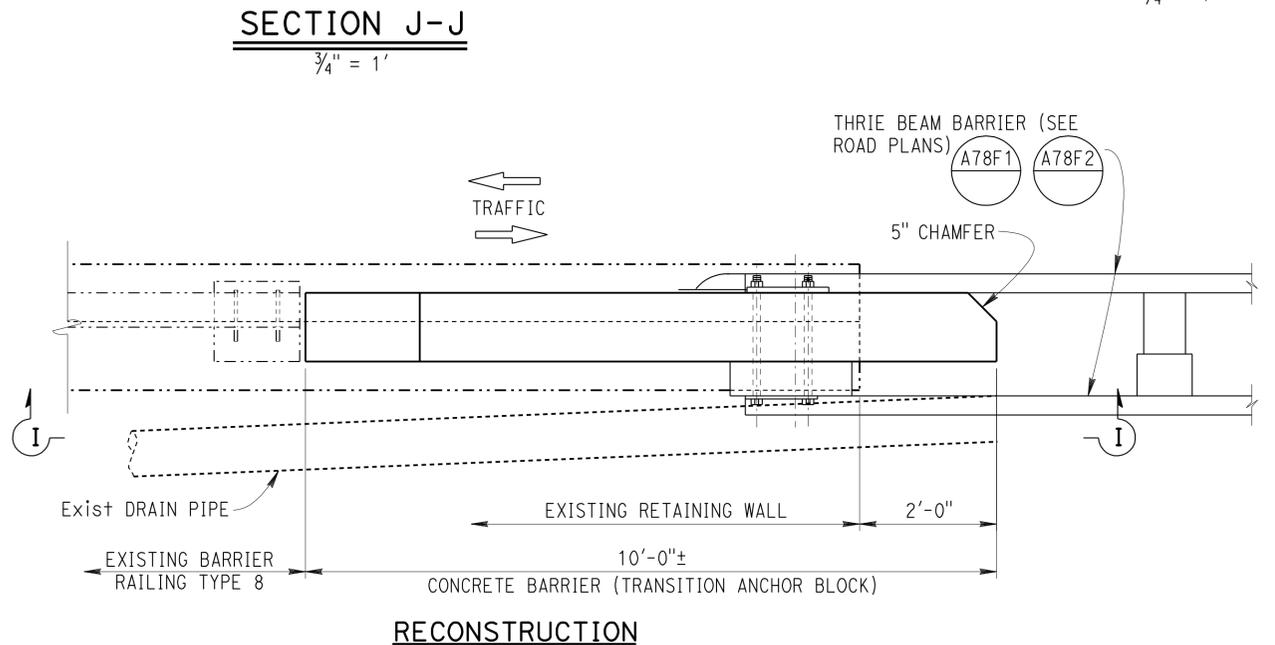
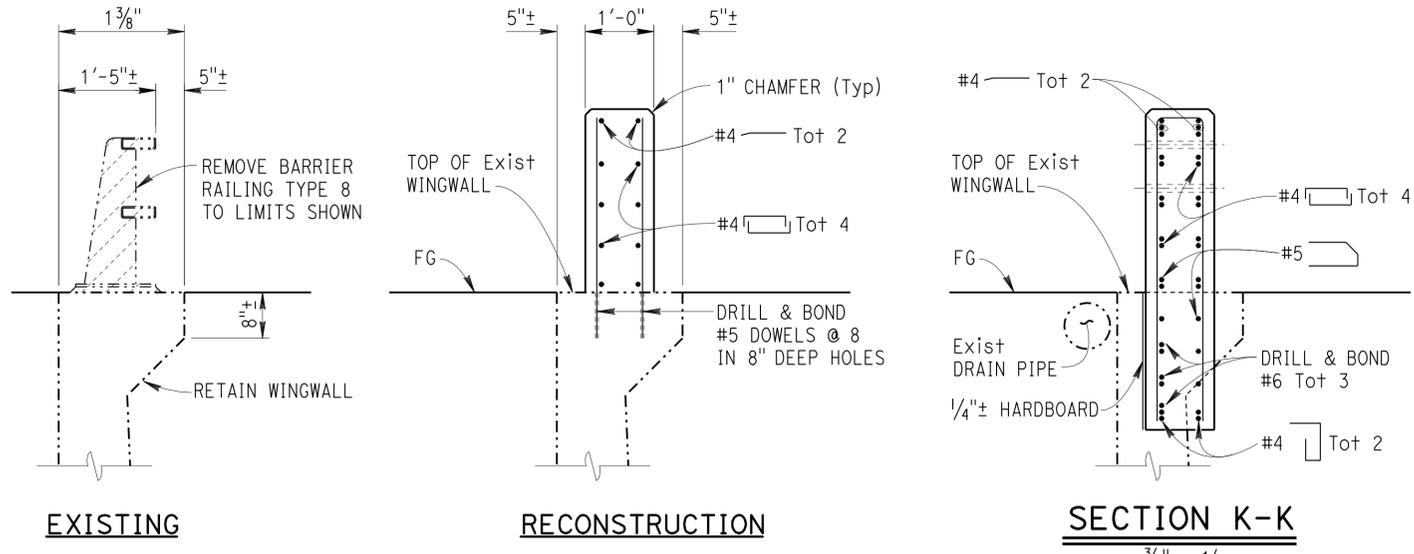
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE No.	VARIOUS
POST MILE	VARIES

ROUTES 3 & 299 BRIDGES
 TRANSITION BLOCK DETAILS No. 3

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Tri	3, 299	Var	14	15
			2-19-13	DATE	
			3-11-13	DATE	
REGISTERED CIVIL ENGINEER BRIAN P. NGUYEN No. C 68270 Exp. 9-30-13 CIVIL STATE OF CALIFORNIA					



NOTES: (APPLY TO THIS SHEET ONLY)

Indicates limits of remove existing Barrire Railing Type 11.

DESIGN	BY Brian Nguyen	CHECKED Huy Tran
DETAILS	BY GF BIDWELL	CHECKED Huy Tran
QUANTITIES	BY Brian Nguyen	CHECKED Huy Tran

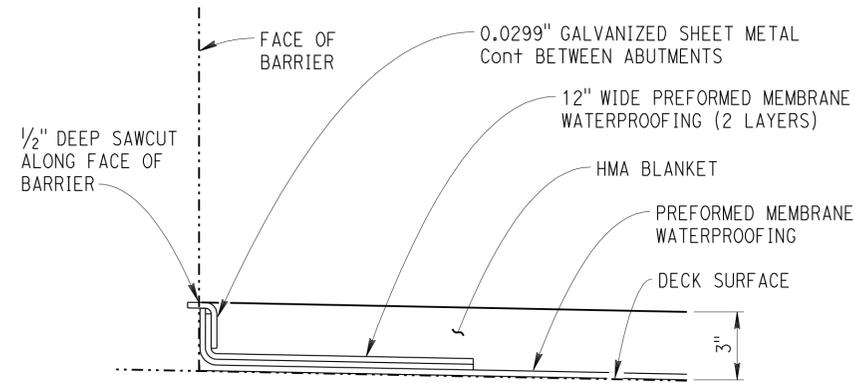
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

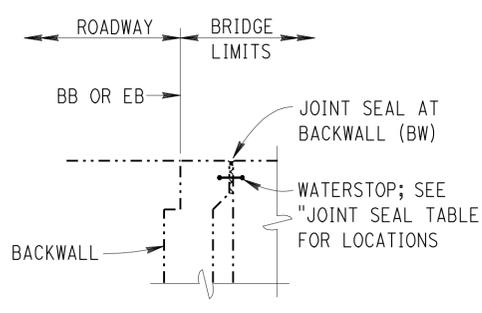
BRIDGE No.	VARIOUS
POST MILE	VARIES

ROUTES 3 & 299 BRIDGES
TRANSITION BLOCK DETAILS No. 4

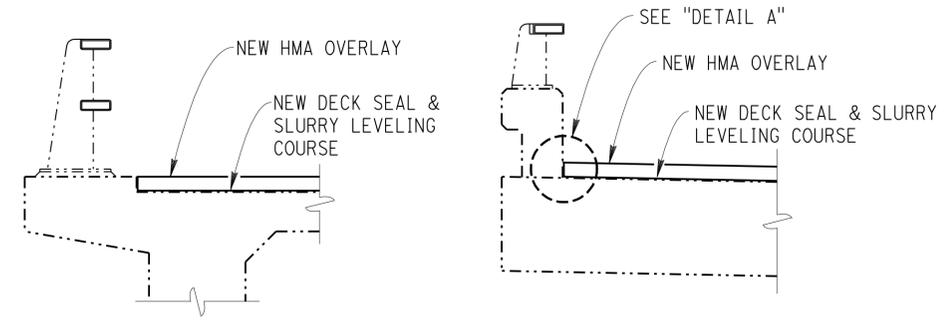
- THE FOLLOWING NOTES APPLY TO JOINT SEAL TYPE B:
- 1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
 - 2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be recalculated by the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



DETAIL A
NO SCALE



ABUTMENT WITH BACKWALL
JOINT SEAL LOCATION
NO SCALE



Br No. 05-0009 **Br No. 05-0063 & 05-0027**
DECK SEAL DETAILS
NO SCALE

JOINT SEAL TABLE							
BRIDGE NAME	BRIDGE NUMBER	JOINT LOCATION		MINIMUM MR (INCHES)	Approx LENGTH (FEET)	EXISTING WATERSTOP	APPROXIMATE DEPTH TO CLEAN EXPANSION JOINT (INCHES)
SWIFT CREEK	05-0059	Abut 1	BW	1	28.5	NO	12
		Abut 3	BW	1	28.5	NO	12

LEGEND:
BW = ABUTMENT BACKWALL