

Howard. N. Dashiell
DIRECTOR OF TRANSPORTATION

Road Commissioner
County Engineer, RCE 42001
County Surveyor, PLS 7148



FUNCTIONS

Administration & Business Services
Airports
Engineering
Land Improvement
Roads and Bridges
Solid Waste & Landfills
Water Agency

**COUNTY OF
MENDOCINO
DEPARTMENT OF TRANSPORTATION**
340 LAKE MENDOCINO DRIVE
UKIAH, CALIFORNIA 95482-9432
VOICE (707) 463-4363 FAX (707) 463-5474

April 11, 2025

TO: Plan Holders and Bidders

FROM: Rygg Larsen, Resident Engineer

RE: COUNTY OF MENDOCINO, DEPARTMENT OF TRANSPORTATION
LAMBER LANE BRIDGE REPLACEMENT ACROSS ROBINSON CREEK
IN MENDOCINO COUNTY
DOT CONTRACT NO. 230001
PROJECT ID B1302
FEDERAL AID PROJECT NO. BRLO-5910(099)

The attached Addendum No. 1 is hereby issued for the subject contract.

PLEASE ATTACH A COPY OF ADDENDUM NUMBER 1 TO BOOK 1 OF 2 SUBMITTED
BY THE BIDDER.

**All bidders must acknowledge receipt of addendum No. 1 with their signature (see
attached page) and return to the Department of Transportation with their bid to be
considered for award.**

If you have any questions, please contact Rygg Larsen at (707) 234-2824.

Rygg Larsen, Resident Engineer

April 11, 2025
Date

Cc: DOT Contract No. 230001

I hereby acknowledge receipt of Addendum No. 1 for LAMBER LANE BRIDGE
REPLACEMENT ACROSS ROBINSON CREEK IN MENDOCINO COUNTY, DOT
CONTRACT NO. 230001 with my signature.

Company Name: _____

Name Printed: _____

Signature: _____

Date: _____

COUNTY OF MENDOCINO, DEPARTMENT OF TRANSPORTATION
ACKERMAN CREEK BRIDGE REPLACEMENT ON NORTH STATE STREET
CR 104, MILE POST M.P. 0.97
DOT CONTRACT NO. 200093
DOT PROJECT NO. A1101
FEDERAL AID PROJECT NO. BHLS-5910(081)

ADDENDUM NO. 1

The following changes will be made on the Contract as Addendum No. 1.

BOOK 1 OF 2:

Replace section 10-1.05 with:

10-1.05 STAGING AREA

10-1.05A General

You may use the construction staging area as shown in "2025_04_11 Lambert Staging Area for Contract Package" exhibit in the Appendix. There are limitations on the size of the staging area based on specific dates as shown in the exhibit.

Two weeks prior to occupying the Staging Area, notify the Engineer, the County in writing and contact the Fairgrounds. The phone number and email for the Fairgrounds is available from the Engineer. The contact for Fairgrounds is:

Jim Brown
Anderson Valley Apple Show and Fair
1440 CA-128
Boonville, CA 95415

The staging area needs to be fully fenced with chain link fencing as shown in the exhibit. The Contractor can use less area than shown. Fencing is only required in areas being used by the Contractor.

Restore construction staging area to original grade with the same materials and composition as the surrounding area and to a comparable density of the surrounding materials.

In addition to restoring grade of the staging area upon demobilizing, Contractor is responsible for providing erosion control measures that will be defined in Contractor's SWPPP. A combination of hydromulch and hydroseed is anticipated.

10-1.05A(1) Water Supply

You may contact the Fairgrounds to negotiate an agreement to supply water for construction and operations.

10-1.05B Payment

Payment for supplying the fence, installing the fence, and site restoration for the construction staging area is included in the payment for Mobilization.

Add to section 10-6:

Payment for developing water supply is included in the payment for Mobilization.

Replace section 48-8.01A with:

48-8.01A Summary

Section 48-8 includes specifications for constructing a temporary bridge for a detour.

You must design, construct, and maintain a temporary bridge that:

1. Is safe and adequate
2. Provides the necessary rigidity
3. Supports the loads imposed
4. Produces a finished structure that conforms to the lines and grades shown

If the County-owned Bailey bridge is used for the Temporary Structure, there is no requirement to strengthen or modify it to carry public traffic. The existing temporary bridge must retain the current 25-ton weight limit posting. You must relocate posting signs to a location approved by the Engineer. You must design the foundations to carry the lateral loads defined in Section 48-8.01D(2)(b). You must perform an evaluation to verify erection operations do not damage the County's property. Comply with Section 48-8.03.

If the County-owned Bailey bridge is used for public traffic and the Contractor's construction loading and operations exceed the current load posting, then you must evaluate the bridge for construction overloads for the imposed loads of construction equipment. You must design the foundations to carry the lateral loads defined in Section 48-8.01D(2)(b). Comply with Section 48-8.03. The bridge may be retrofitted or strengthened to comply with this criteria. The bridge must be maintained during the duration of construction. Any strengthening or retrofits must not permanently alter or damage the County's Bailey. If strengthening or retrofits occur on the bridge, they must be removed at the end of construction and prior to salvaging the bridge.

If the County-owned Bailey bridge is not used as the Temporary Structure, the Contractor must provide a Temporary Structure that complies with sections 48-8.01C, 48-8.01D and 48-8.03.

Prior to using the County's Bailey as the temporary detour bridge, the Contractor needs to perform a condition survey and submit a condition log of the bridge. The submittal should include the schematic of the bridge with identifying bridge part labels. The condition logs include:

1. Bridge part identifying label
2. Condition of bridge part
3. Photo records of bridge part

The condition survey must be performed, submitted to, and authorized by the RE both before and after the Contractor's use of the County-owned Bailey bridge for the temporary structure. The Contractor will be responsible for replacing any components that are missing or damaged by Bailey's use for the detour. The condition logs will be used to determine damage, if any, is caused to the County-owned Bailey bridge.

If the existing County-owned Bailey bridge is used as the temporary bridge for the detour, a 12-hour closure during daylight hours with proper public notification is allowed. Public notification must follow section 7-1.03 in the Special Provisions. Only the public and emergency traffic (no construction loads) may use the Fairgrounds bridge during this closure. Develop and submit a traffic handling plan. Monitor all public traffic utilizing the fairgrounds detour and collect an executed liability release document provided to you by the Owner. This public traffic detour must be as short a duration possible within the closure period.

Add to section 59-2.01A(1):

Clean and paint the new steel bridge shown in the following table with the coating system specified:

Bridge name and number	Work description	Coating system
Lamber Lane Bridge Replacement Across Robinson Creek Br. No. 10C0227	Clean, blast clean, and paint new steel portions of bridge.	Zinc

Replace section 59-2.01A(3)(b) with:

59-2.01A(3)(b) Mandatory SSPC-QP Certifications

Submit proof of each required SSPC-QP certification as specified in section 8-1.04C. Required certifications are:

1. SSPC-QP 1
2. SSPC-QP 2, Category A
3. AISC-420-10/SSPC-QP 3, enclosed shop

Add after section 59-2.01C(3)(b)(ii):

59-2.01C(3)(b)(iii) Weathering Structural Steel Applications

For weathering structural steel application, provide a Commercial Blast according to specification SSPC-SP6 to surfaces not requiring painting.

After blasting, apply at least three uniform applications of water mist (at 24-hour intervals between applications) to all unpainted areas of outside surfaces of the fascia girder to ensure uniform weathering. Contain all water mist so that none enters the river. Apply each application on dry surfaces. Perform the water application within 48 hours after the painted surfaces have been properly cured. Ensure all water applications are witnessed by the Engineer or Engineer's authorized representative.

Finish coats are not required on the Lamber Lane over Robinson Creek Bridge. The final coat must match color no. 30045 of FED-STD 595.

Replace section 72-8 with:

72-8.02C Large Woody Debris

72-8.02C(1) Definitions

Woody Debris: A mix of tree branches and trunks located on site or in the staging area that are a minimum of 12 inches in diameter and a minimum of 10-15-feet in length.

Rootwad: A tree trunk with an attached root ball.

72-8.02C(2) General

Logs and woody material must be free from disease, infestations, noxious weeds, objectionable material, and physical defects that could compromise the structural integrity of the logs.

72-8.02C(3) Materials

Woody debris must be a minimum of 12 inches in diameter and a length of 10-15 feet.

72-8.02C(4) Logs

Logs are already located on site or in the staging area. Logs located on site are still standing with all branches removed. Logs located at the staging area have been by salvaged by the County during tree removal. The Engineer will direct you to the location of the logs.

The Logs located on site are:

1. One Oak Tree
2. Two Douglas Firs

72-8.02C(5) Rootwads

Rootwads must be obtained from rootwad excavation during clearing and grubbing activities. There is one rootwad in the creek on the western bank downstream of the bridge to be used under the direction of the Engineer. One rootwad shall be salvaged from the Contractor from the standing trees on site.

Rootwads must be free of earth, invasive non-native plant materials, noxious weeds, and other objectionable material.

72-8.02C(6) Log Anchor

Log anchors must be No. 8 bar reinforcement and comply with section 52. Thread both ends of the bar reinforcement to receive washers and nuts.

Metal fittings must be commercial-quality steel, malleable iron, or wrought iron and must comply with section 75.

72-8.03 CONSTRUCTION

72-8.03A General

Mark locations for placement of large woody debris. Contractor to mark final placement of both logs and roots and confirm with Engineer prior to installation.

72-8.03B Submittals

Submit a work plan for wood installation work before installing wood. The work plan must describe in detail the method of:

1. Lifting wood installation material
2. Transporting and storing wood installation material
3. Installing wood installation material

72-8.03C Large Woody Debris

Use materials from locations specified above and identified by the Engineer.

Install the logs and rootwads during streambed grading.

Exposed log ends must not have a smooth cut appearance. Logs obtained with attached root balls must have the root ball end face or be above finished grade. Logs obtained with no attached root ball must be roughened on the end that faces or is above finished grade.

Where there are log anchors, cut an angled notch to the connecting rootwads and logs to ensure a solid connection. Do not cut notch deeper than 1/4 diameter of the rootwad and log. Connect with log anchor. Drill holes for log anchors through the connecting rootwads and logs no more than 1/2 inch larger than the diameter of the reinforcement bar. Countersink and secure the reinforcement bar with nuts and washers and remove remaining portion of the reinforcing bar that protrudes beyond the outer face of the logs and rootwads.

72-8.04 PAYMENT

The payment quantity for Large Woody Debris is paid as a Lump Sum.

PLANS:

Add the following plan sheet:

- Plan sheet 13A of 42 (Channel Restoration No. 4): This is a new plan sheet. It shows information related to Large Woody Debris including locations and details.

Replace the following plan sheets:

- Plan sheet 28 of 42 (Deck Contours): Revisions were made to the materials specification for steel in the Design Notes.
- Plan sheet 35 of 42 (Girder Layout): Location of the Drip Plate Detail and Limits of Girder end painting were added.
- Plan sheet 37 of 42 (Girder Details No. 2): A detail was added for painting faying surfaces with a Class B coating for the optional bolted splice.
- Plan sheet 39 of 42 (End Frame Details): Drip Plate Detail was added.

MENDOCINO COUNTY - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	CHECKED BY	C. LEUE	M. KATT	REVISED BY	DATE REVISED

NOTES:

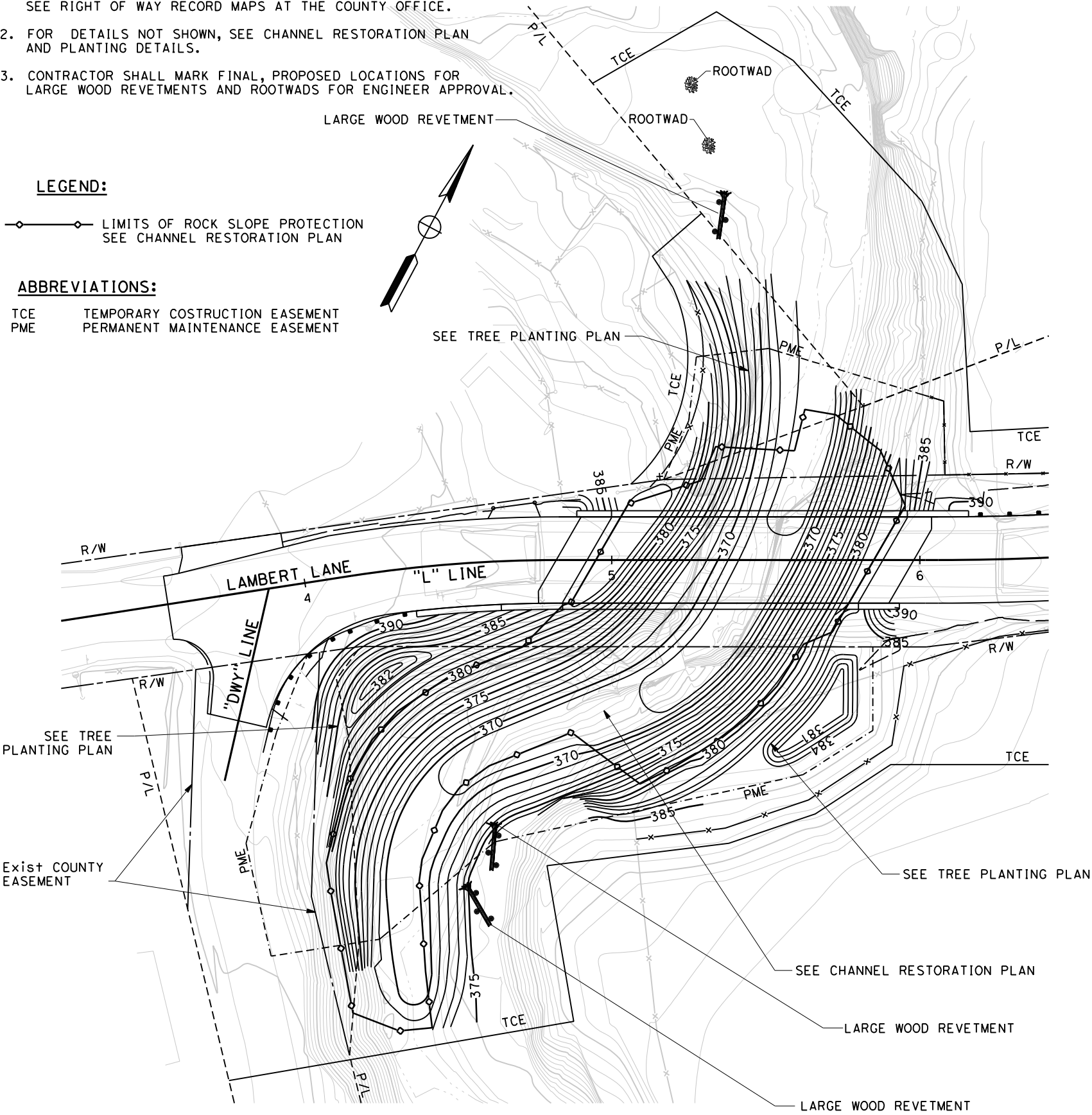
1. FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT THE COUNTY OFFICE.
2. FOR DETAILS NOT SHOWN, SEE CHANNEL RESTORATION PLAN AND PLANTING DETAILS.
3. CONTRACTOR SHALL MARK FINAL, PROPOSED LOCATIONS FOR LARGE WOOD REVETMENTS AND ROOTWADS FOR ENGINEER APPROVAL.

LEGEND:

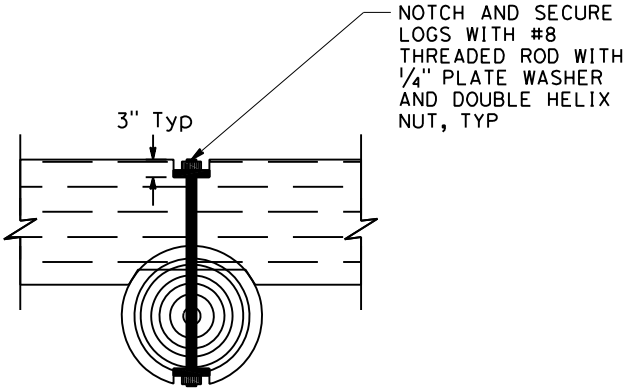
—○—○— LIMITS OF ROCK SLOPE PROTECTION
SEE CHANNEL RESTORATION PLAN

ABBREVIATIONS:

TCE TEMPORARY COSTRUCTION EASEMENT
PME PERMANENT MAINTENANCE EASEMENT

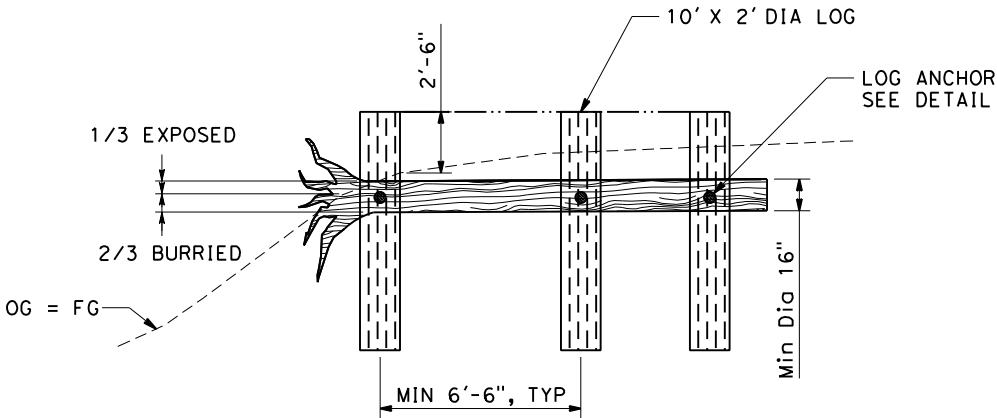


PLAN
SCALE 1"=20'



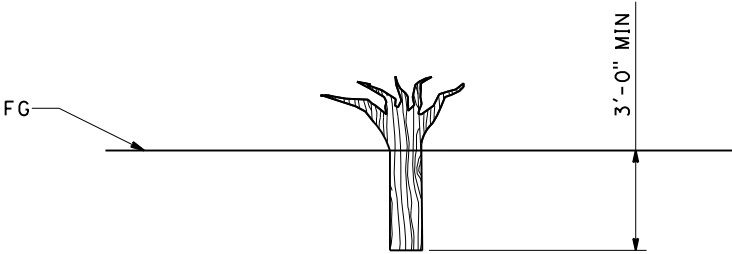
SECTION
LOG ANCHOR

NO SCALE



SECTION
LARGE WOOD REVETMENT

NO SCALE



SECTION
ROOTWAD INSTALLATION

NO SCALE



ADDED PER ADDENDUM No.1
DATED APRIL 11, 2025

CHANNEL RESTORATION No. 4

SCALE: AS SHOWN

DIST

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

SHEET
No

TOTAL
SHEETS

01

Men

CR

28

42

Carl Hughes

REGISTERED CIVIL ENGINEER

DATE

3/14/2025

PLANS APPROVAL DATE

THE COUNTY OF MENDOCINO OR ITS OFFICERS
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Suite 250
Rancho Cordova, CA 95670
P: 916.368.9181

REGISTERED PROFESSIONAL ENGINEER

CARL HUGHES

No. C91533

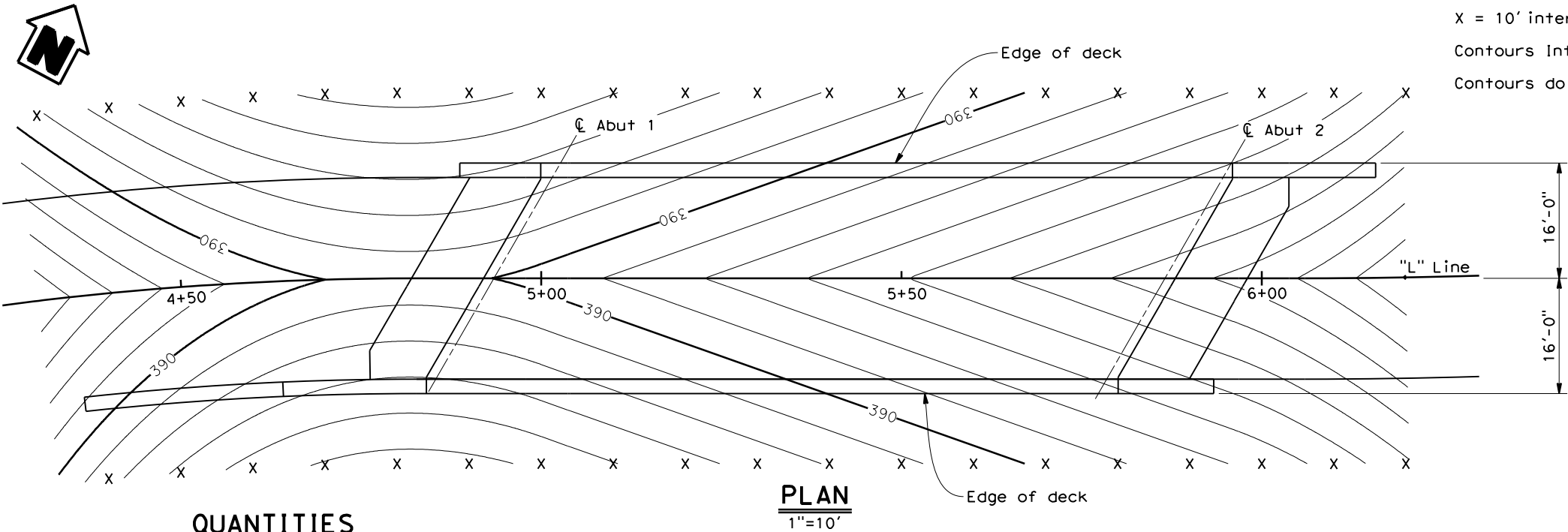
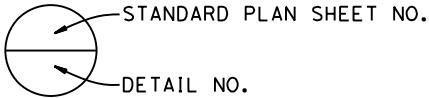
Exp. 9-30-26

CIVIL

STATE OF CALIFORNIA

Notes:
X = 10' intervals along station line
Contours Intervals = 0.10'
Contours do not include camber

STANDARD PLANS DATED 2024



QUANTITIES

Bridge Removal	1	LS
Temporary Shoring	1	LS
Temporary Structure	1	LS
Dissassembly of County Bridge	1	LS
Structure Excavation (Type D)	442	CY
Structure Backfill (Bridge)	232	CY
Structure Excavation (Retaining Wall)	71	CY
Structure Backfill (Retaining Wall)	63	CY
Structural Concrete, Bridge Footing	95	CY
Structural Concrete, Bridge (Polymer Fiber)	86	CY
Structural Concrete, Bridge	142	CY
Structural Concrete, Approach Slab (Type E0)	21	CY
Structural Concrete, Retaining Wall	18	CY
Joint Seal (MR = 2")	73	LF
Bar Reinforcing Steel (Bridge)	110807	LB
Bar Reinforcing Steel (Retaining Wall)	2057	LB
Furnish Structural Steel (Bridge)	94113	LB
Erect Structural Steel (Bridge)	94113	LB
Tubular Bicycle Railing	285	LF
Concrete Barrier (Type 85)	285	LF
30" Cast-In-Drilled-Hole Concrete Piling	1089	LF

GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN

DESIGN: AASHTO LRFD Bridge Design Specifications, 8th edition with California Amendments.

SEISMIC DESIGN: Caltrans Seismic Design Criteria (SDC), Version 2.0 dated April 2019

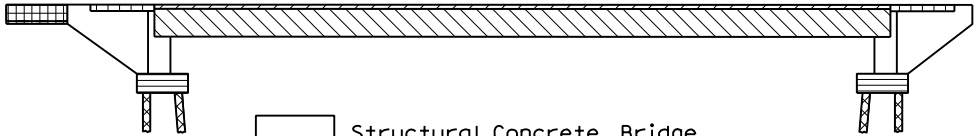
DEAD LOAD: Includes 35 psf for future wearing surface. The deck load between the girders has been increased by a factor of 10% to allow for the use of steel deck forms (where appropriate).

LIVE LOADING: HL93 and permit vehicle

SEISMIC LOADING: Soil Profile: V = 280 m/s
Moment Magnitude = 7.19
Peak Ground Acceleration = 0.52 g

CONCRETE: $f_y = 60$ ksi
 $f'_c = 3.6$ ksi
 $n = 8$

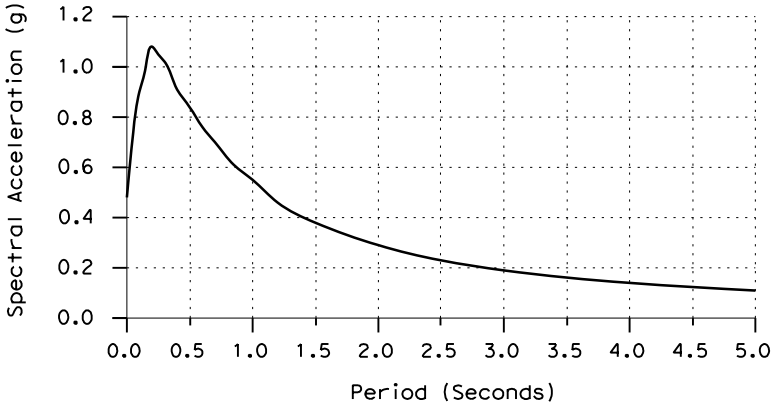
STEEL: All structural steel shall conform to AASHTO M270 Grade 50W (ASTM A709 Grade 50W) unless noted otherwise. All bolts shall be ASTM F3125 Grade A325 Type 3 high strength with ASTM A563 Grade C3 heavy hex nuts unless noted otherwise. ASTM F436 Type 3 washers shall be provided under the turned element. Threads to be excluded from shear plane.



- Structural Concrete, Bridge (Includes end diaphragm)
- Structural Concrete, Bridge (Polymer Fiber) ($f'_c = 4.0$ ksi in 28 days)
- Structural Steel, Bridge (ASTM A588 Grade 50)
- Structural Concrete, Bridge Footing
- Structural Concrete, Approach Slab (Type E0)
- Structural Concrete, Retaining Wall
- Cast-In-Drilled-Hole Concrete Piling ($f'_c = 4.0$ ksi in 28 days)

CONCRETE STRENGTH AND TYPE LIMITS

No Scale



ACCELERATION RESPONSE SPECTRA CURVE
No Scale

1 REVISED PER ADDENDUM No.1
DATED APRIL 11, 2025

DESIGN	BY C. Hughes	CHECKED A. Johnson
DETAILS	BY B. Maechler	CHECKED C. Hughes
QUANTITIES	BY C. Hughes	CHECKED A. Johnson

PREPARED FOR THE
MENDOCINO COUNTY
DEPARTMENT OF TRANSPORTATION

Carl Hughes
PROJECT ENGINEER

BRIDGE NO.
10C-0227
POST MILE

ROBINSON CREEK BRIDGE
DECK CONTOURS

UNIT: PROJECT NUMBER & PHASE: CONTRACT NO.:

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES SHEET OF
BR2 BR16

DESIGN OVERSIGHT
SIGN OFF DATE

DESIGN DETAIL SHEET (ENGLISH) (REV.03/14/12)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

0 1 2 3

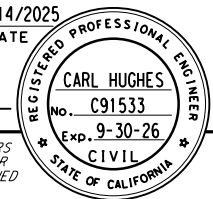
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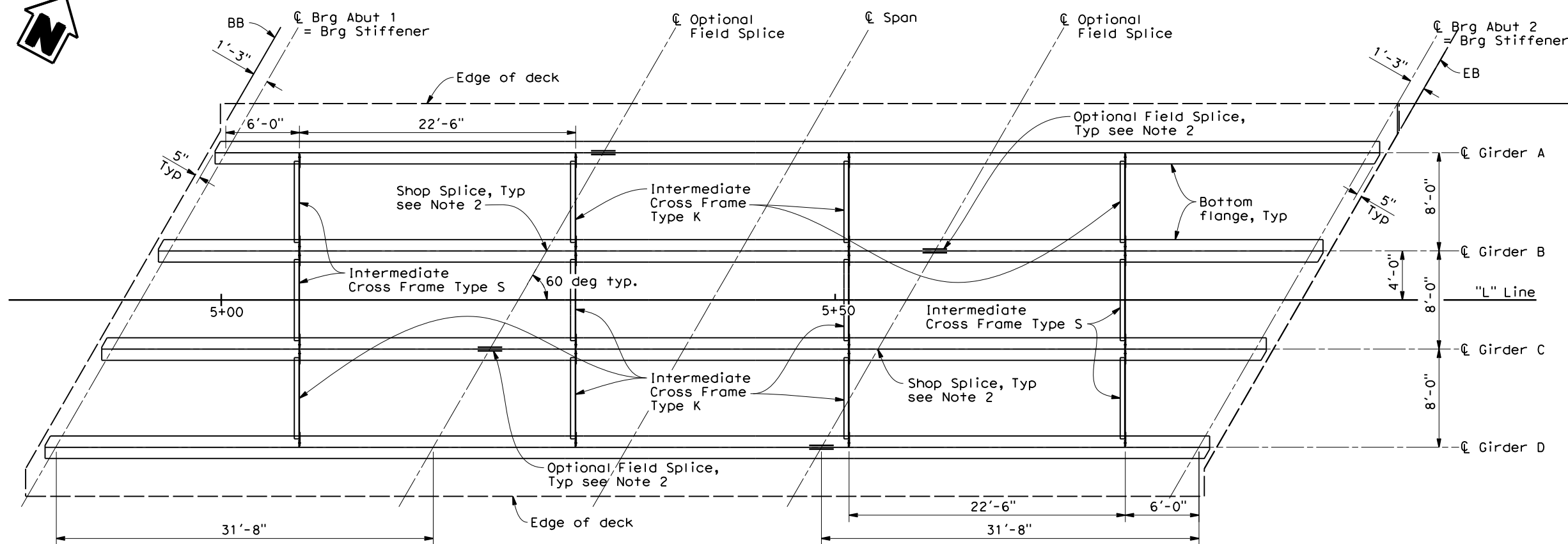
REVISED PER ADDENDUM No. 1, DATED APRIL 11, 2025

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	Men	CR		35	42

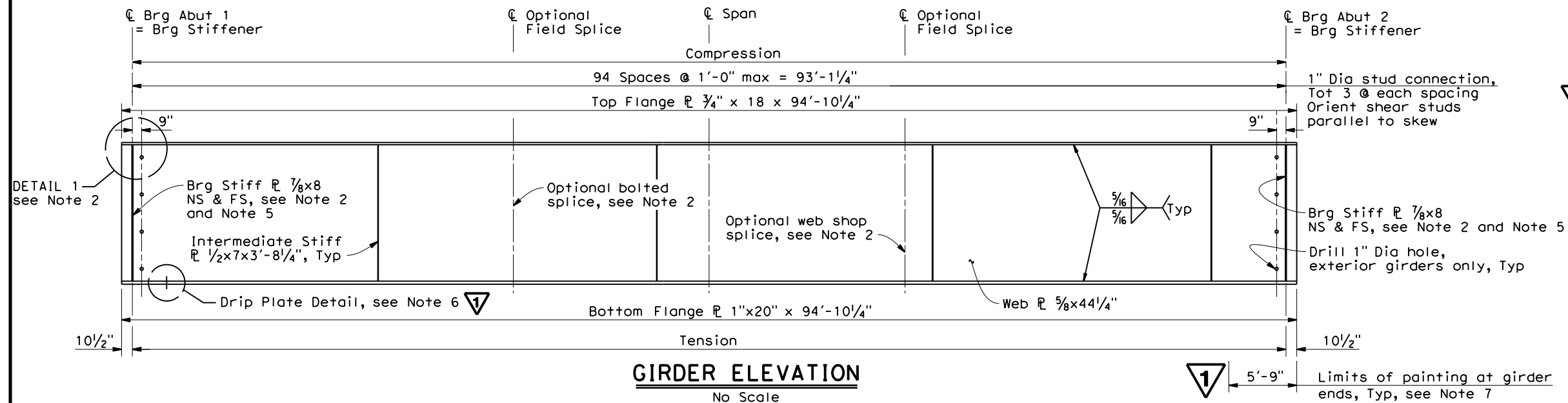
<i>Carl Hughes</i> REGISTERED CIVIL ENGINEER	3/14/2025 DATE
PLANS APPROVAL DATE	
THE COUNTY OF MENDOCINO OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	



consor	2868 Prospect Park Drive, Suite 250 Rancho Cordova, CA 95670 P: 916.368.9181
---------------	---



PLAN
1"=5'



1

Notes:

1. All girders are parallel to "L" Line.
2. For details not shown, see "Girder Detail No. 1" and "Girder Detail No. 2" sheets.
3. For Intermediate Cross Frame, see "Cross Frame Details" sheet.
4. For end cross frame, see "End Frame Details" sheet.
5. Orient all bearing stiffeners parallel to the skew.
6. For Drip Plate Details, see "End Frame Details" sheet.
7. Paint all girder ends including webs, flanges, and stiffeners.

DESIGN OVERSIGHT

SIGN OFF DATE

DESIGN DETAIL SHEET (ENGLISH) (REV.03/14/12)

DESIGN	BY C. Hughes	CHECKED A. Johnson
DETAILS	BY B. Maechler	CHECKED C. Hughes
QUANTITIES	BY C. Hughes	CHECKED A. Johnson

**PREPARED FOR THE
MENDOCINO COUNTY
DEPARTMENT OF TRANSPORTATION**

Carl Hughes
PROJECT ENGINEER

BRIDGE NO.
10C-0227
POST MILE

ROBINSON CREEK BRIDGE GIRDER LAYOUT

UNIT:
PROJECT NUMBER & PHASE:

CONTRACT NO.:

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

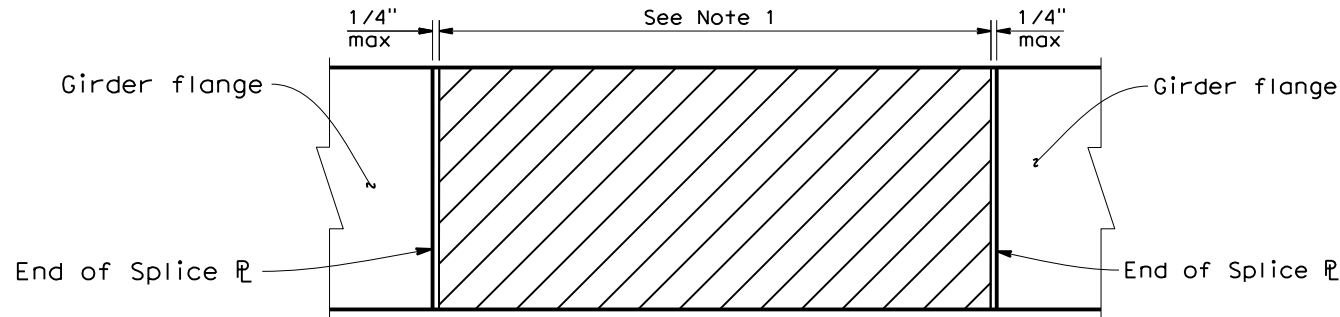
REVISION DATES	SHEET	OF
	BR9	BR16

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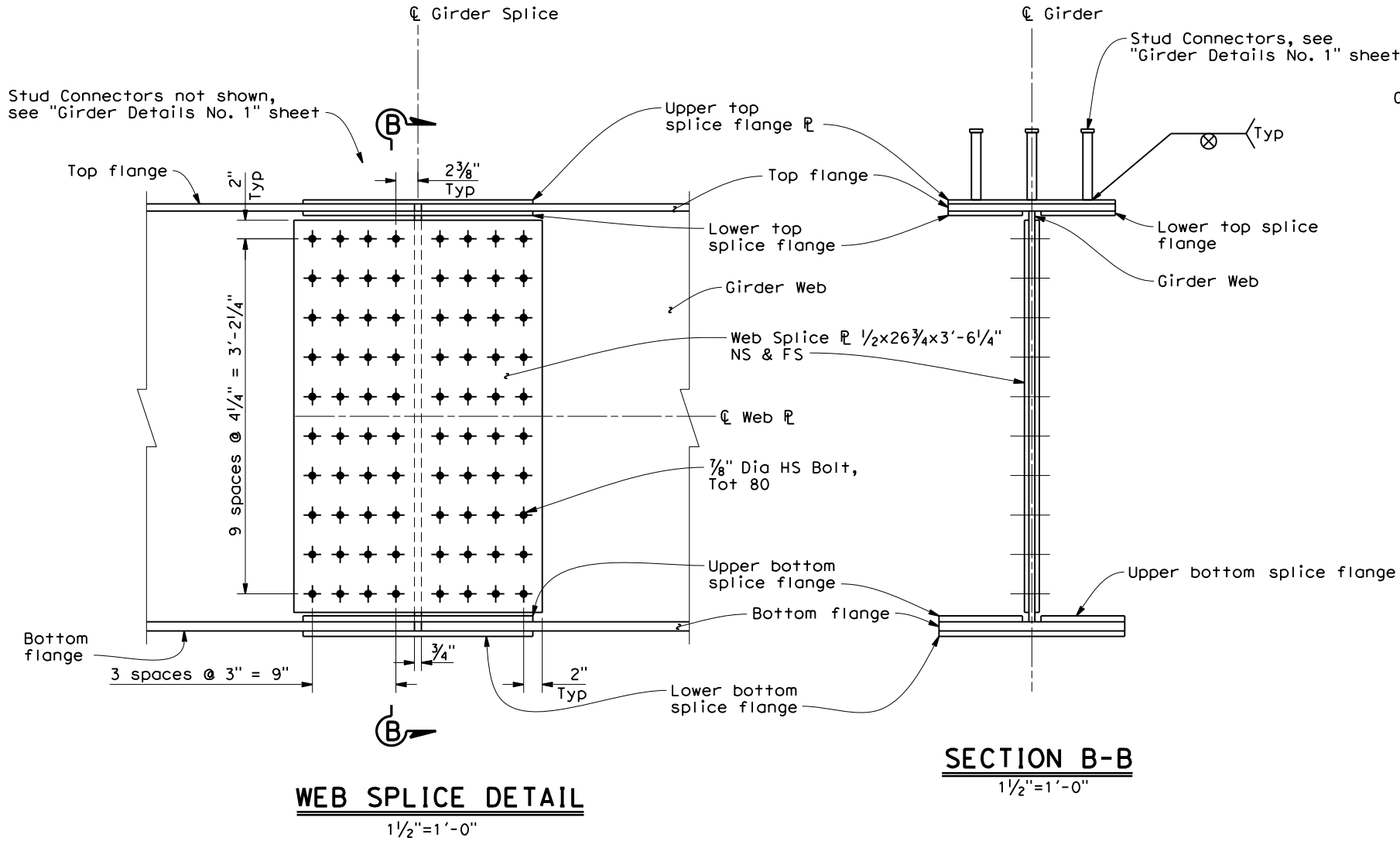
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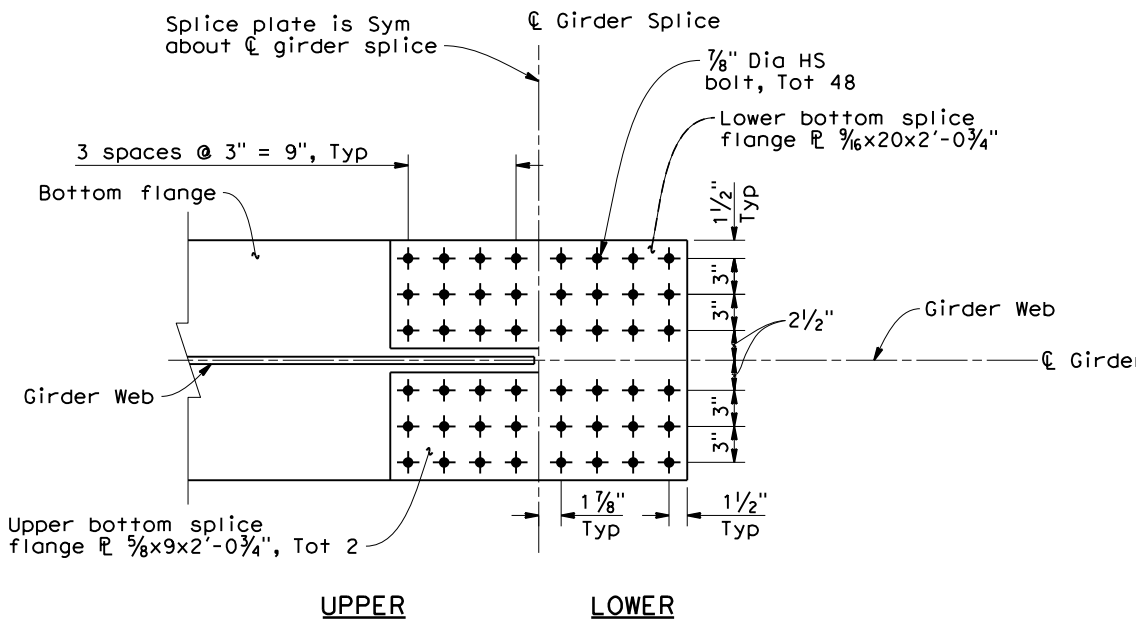
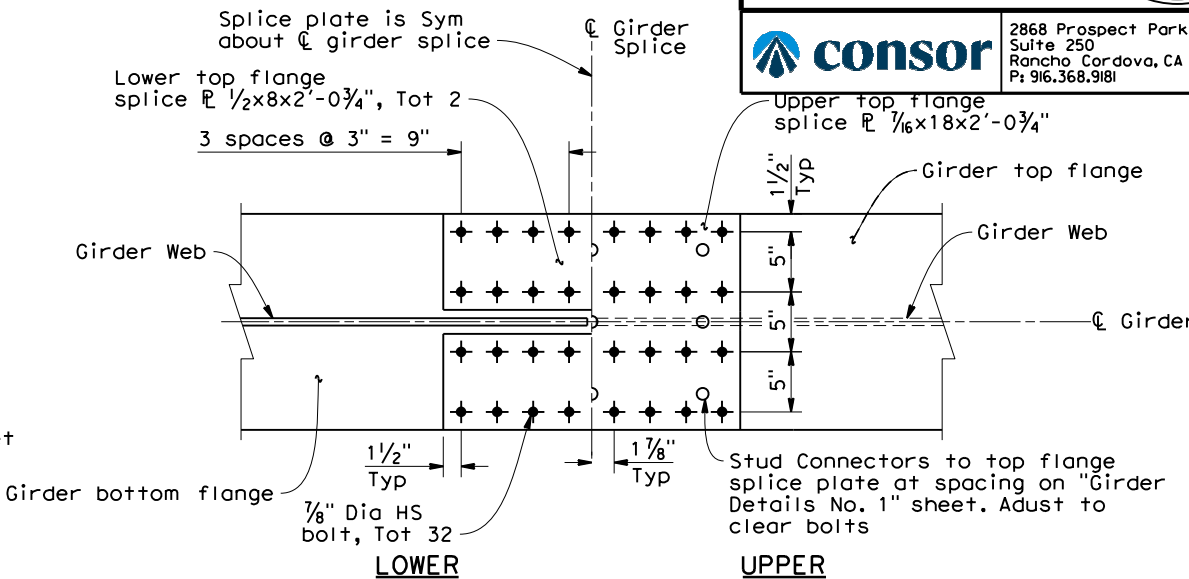
1. All contact surfaces between steel plates shall be blast-cleaned and coated with Class B coating to the limits shown.
2. All HS bolts used for girder splices shall be F3125 Grade A325 Type 3.



1 SURFACE TREATMENT
NO SCALE



REVISED PER ADDENDUM No. 1, DATED APRIL 11, 2025



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	Men	CR		37	42

Carl Hughes
REGISTERED CIVIL ENGINEER
DATE 3/14/2025

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
CARL HUGHES
No. C91533
Exp. 9-30-26
CIVIL
STATE OF CALIFORNIA

DESIGN OVERSIGHT		DESIGN	BY C. Hughes	CHECKED A. Johnson	PREPARED FOR THE MENDOCINO COUNTY DEPARTMENT OF TRANSPORTATION	Carl Hughes PROJECT ENGINEER	BRIDGE NO.	10C-0227	ROBINSON CREEK BRIDGE						
		DETAILS	BY B. Maechler	CHECKED C. Hughes			POST MILE								
		QUANTITIES	BY C. Hughes	CHECKED A. Johnson						GIRDER DETAILS NO.2					
SIGN OFF DATE															
DESIGN DETAIL SHEET (ENGLISH) (REV.03/14/12)					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	UNIT: PROJECT NUMBER & PHASE:	CONTRACT NO.:	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF
														BR11	BR16

- Notes:
- For details not shown, see "Girder Details No. 1" sheet.
 - For weld details not shown, see Detail 4.

1 REVISED PER ADDENDUM No. 1, DATED APRIL 11, 2025

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
01	Men	CR		39	42

Carl Hughes

REGISTERED CIVIL ENGINEER

DATE 3/14/2025

REGISTERED PROFESSIONAL ENGINEER

CARL HUGHES

No. C91533

Exp. 9-30-26

CIVIL

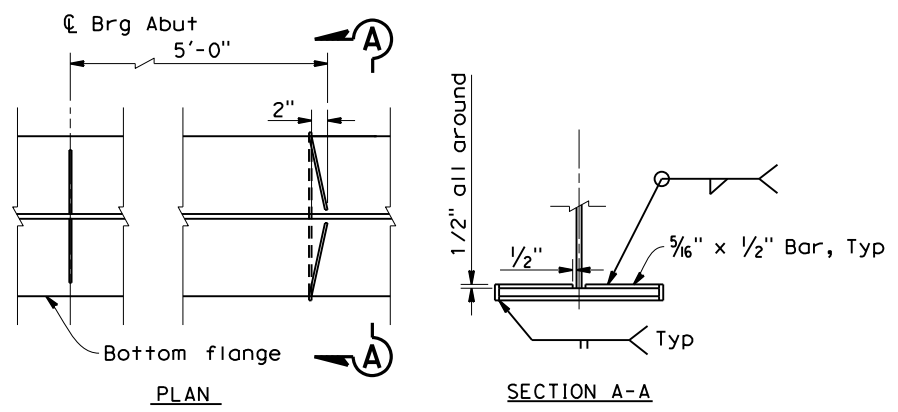
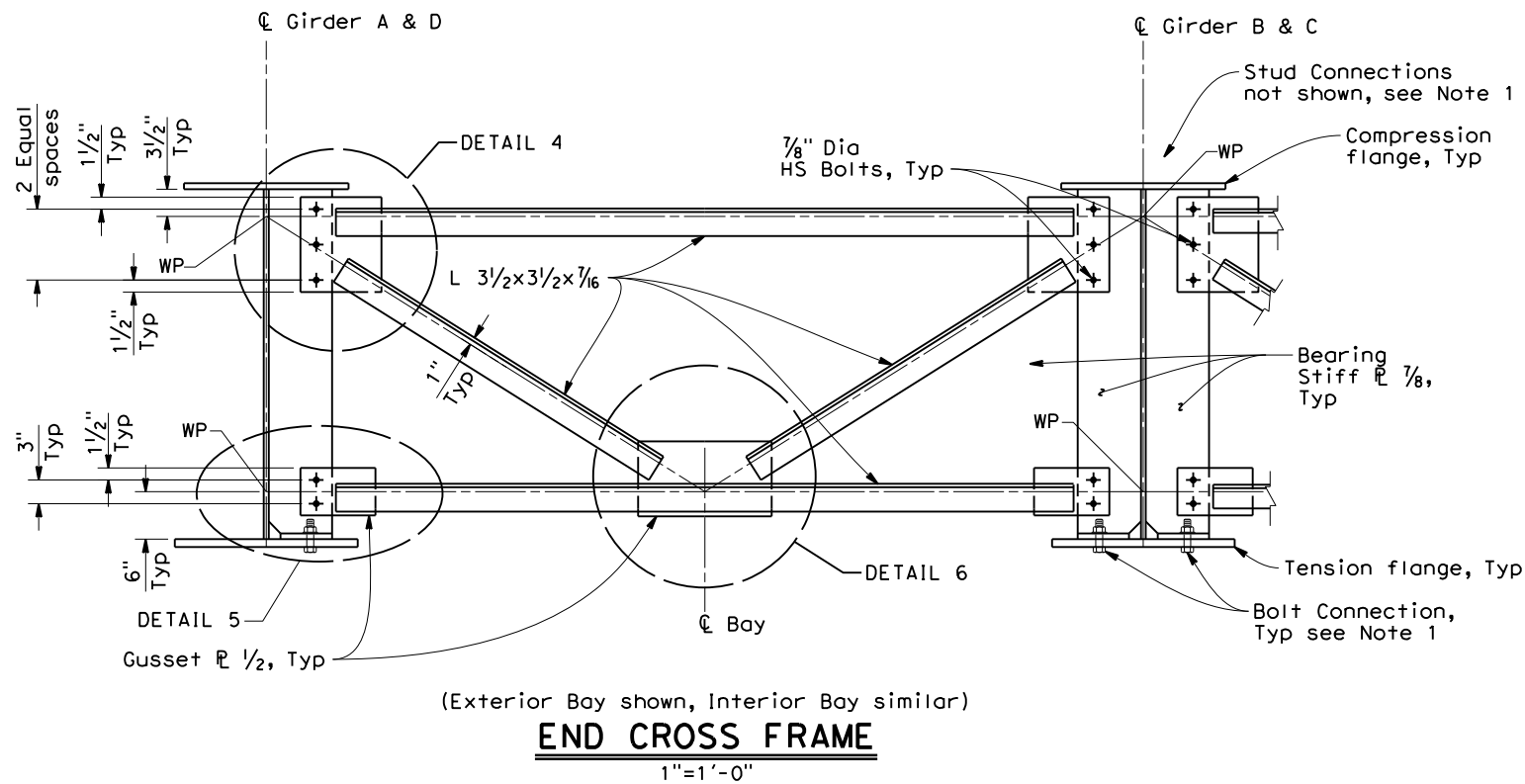
STATE OF CALIFORNIA

PLANS APPROVAL DATE

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Suite 250
Rancho Cordova, CA 95670
P: 916.368.9181



1 DRIP PLATE DETAILS
EXTERIOR GIRDERS
No Scale

