



Commander  
 United States Coast Guard  
 Eleventh Coast Guard District

U.S. Coast Guard Island,  
 Building 50-2  
 Alameda, CA 94501  
 Staff Symbol: dpw  
 Phone: (510) 437-3516  
 Email: Carl.T.Hausner@uscg.mil

August 11, 2022

## PUBLIC NOTICE (11-158)

All interested parties are herein notified that the Commander, Eleventh Coast Guard District, has received application materials dated November 22, 2021 from the California Department of Transportation (Caltrans) for approval of location and plans for the replacement of a bridge over a navigable waterway of the United States.

**WATERWAY AND LOCATION:** Miner Slough, mile 5.5, on Highway 84, at the northerly end of Ryer Island, near Rio Vista, Solano County, California. Position: 38.29168, -121.63093

**CHARACTER OF WORK:** Caltrans is proposing to replace the existing highway swing bridge with a fixed highway bridge approximately 100 feet west of the existing bridge. The purpose of the project is to maintain connectivity to and from Ryer Island via the Miner Slough Bridge on Highway 84. The bridge replacement project would improve the seismic, safety, and operational characteristics (roadway geometry and curb correction) of the bridge to meet current design standards; maintain current vehicular capacity; and avoid further deterioration of the existing structure (including bridge pier footings). In addition, the proposed project would reduce maintenance efforts and costs associated with upkeep of the existing bridge. The project is needed to remedy deficiencies in the existing bridge, including cracks in the deck surface and spans and slumping of the levee and roadway fill materials near the northern abutment. The existing bridge will be removed in its entirety to at least three feet below the mudline. Two temporary trestles will be used during construction. The trestle navigation opening will be located in the current navigation channel of the bridge, south west of the existing pivot pier, and will provide at least 59 feet of horizontal clearance for navigation.

### MINIMUM NAVIGATIONAL CLEARANCES:

The proposed replacement bridge will have clearances as described in the table below. These clearances are an increase from current clearances, when the existing bridge is in the closed-to-navigation position, over this section of the waterway at or near this mile.

	<b>Existing</b>	<b>Proposed</b>
<b>Vertical (Closed)</b>	15 feet above Mean High Water	18 feet above Mean High Water
<b>Vertical (Opened)</b>	Unlimited	N/A
<b>Horizontal</b>	72 feet	85 feet

*Datum: Elevation 6.53, Mean High Water (NAVD88)*

## **ENVIRONMENTAL CONSIDERATIONS:**

Under the provisions of 23 U.S.C. 327, the United States Department of Transportation Secretary, acting through the Federal Highway Administration, assigned the responsibilities for the National Environmental Policy Act (NEPA) and other federal environmental laws to Caltrans. Caltrans is the lead Federal agency for satisfying the requirements of NEPA. Caltrans is acting on behalf of the U.S. Coast Guard for all environmental control laws. A final Environmental Assessment and a Caltrans Finding of No Significant Impact (FONSI) were issued on July 5, 2017, pursuant to NEPA, as amended. The U.S. Coast Guard tentatively has determined that the proposed action will not have a significant impact for the purposes of NEPA and plans to issue a FONSI for the project. Documents are available for review online at the above address, Monday through Friday, 7 a.m. to 4 p.m.

The project is considered an encroachment, but not a significant encroachment on the 100-year floodplain. The proposed superstructure will clear the 100-year flood elevation of 16.8 feet (NAVD88). The low steel of the bridge is 24.53 feet (NAVD88).

A technically conditioned state water quality certification was issued on October 14, 2021 by the Central Valley Regional Water Quality Control Board, in accordance with Section 401 of the Clean Water Act, as amended. The Water Quality Certification is not valid until coverage under Section 404 of the Clean Water Act is obtained. A U.S. Army Corps of Engineers Clean Water Act Section 404 Nationwide Permit Pre-Construction Notification was applied for by Caltrans on August 5, 2021.

The decision as to whether to grant approval of the location and plans for the proposed action rests primarily upon the effect it has on navigation.

## **SOLICITATION OF COMMENTS:**

Mariners are requested to comment on the proposed navigation clearances and navigational safety issues, including need for clearance gauges and extent of nighttime navigation to determine the need for bridge lighting. Boat owners in the project vicinity are requested to provide information about their vessels including the type of vessel, length overall, draft, beam and height from the waterline to the highest fixed point and to appurtenant structures (e.g. tuna towers, flying bridges, fixed antennas and radar units).

Interested parties are requested to express their views in writing on the proposed bridge project, giving sufficient detail to establish a clear understanding of their reasons for support of or opposition to the proposed work. Comments will be received at the office of the Commander (dpw), Eleventh Coast Guard District, Coast Guard Island, Bldg 50-2, Alameda, CA 94501-5100; or by email at [D11-SG-M-DPW-Bridge@uscg.mil](mailto:D11-SG-M-DPW-Bridge@uscg.mil) through September 12, 2022.

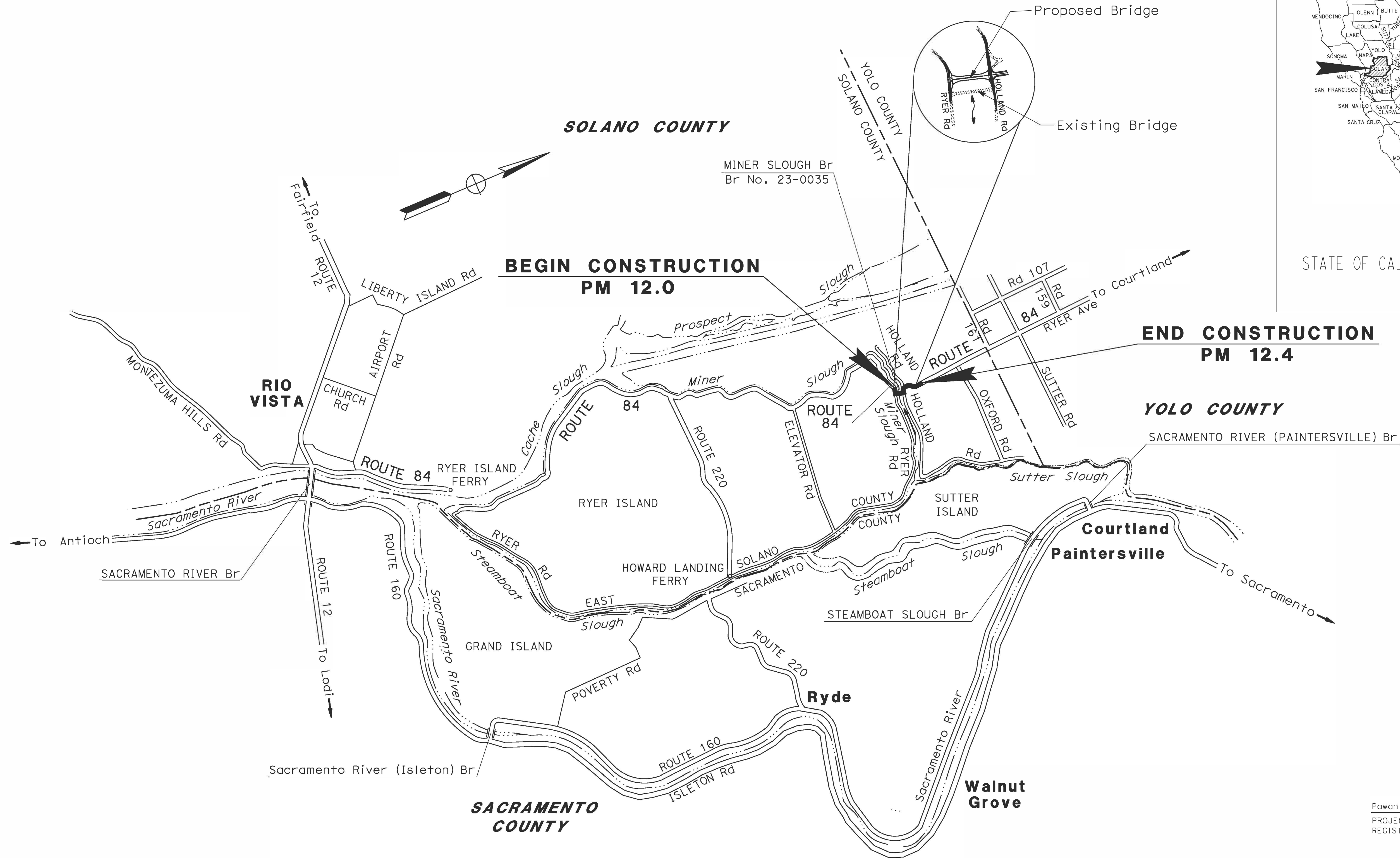
We will forward comments of an environmental nature such as those regarding wildlife refuges, public parks, historic sites, wetlands, floodplain issues, air, water quality, environmental justice, etc. to Caltrans for appropriate handling.

Map of location and plans attached.

CARL T. HAUSNER  
Chief, Bridge Section  
Eleventh Coast Guard District  
By direction of the District Commander

Attention Postmaster: Please Post.

VICINITY MAP



2 mi

Pawan Gupta June 03, 2022  
 PROJECT ENGINEER DATE  
 REGISTERED CIVIL ENGINEER



CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 Replacement Miner Slough (Highway 84) Bridge  
 Mile 5.5, Miner Slough,  
 near Rio Vista, Solano County, California

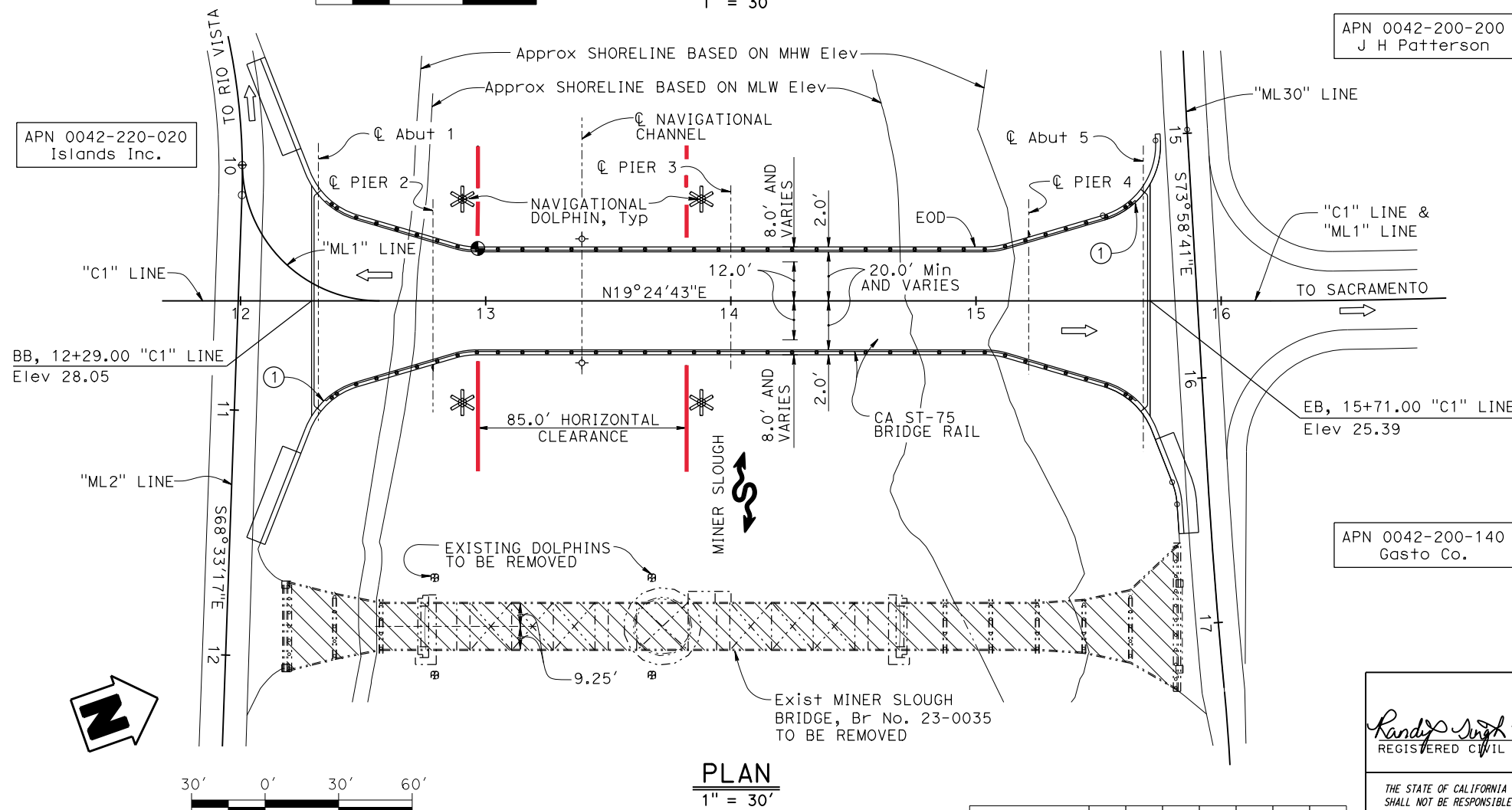
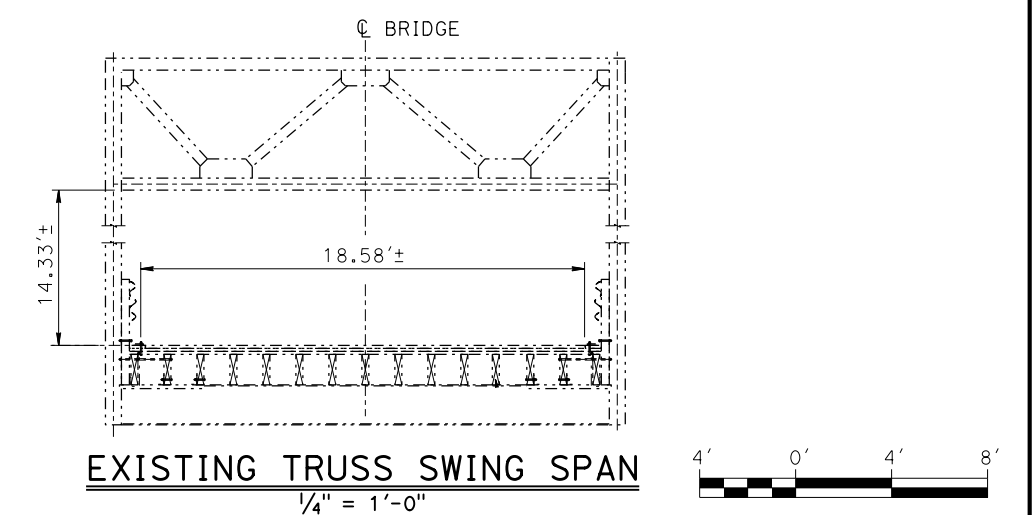
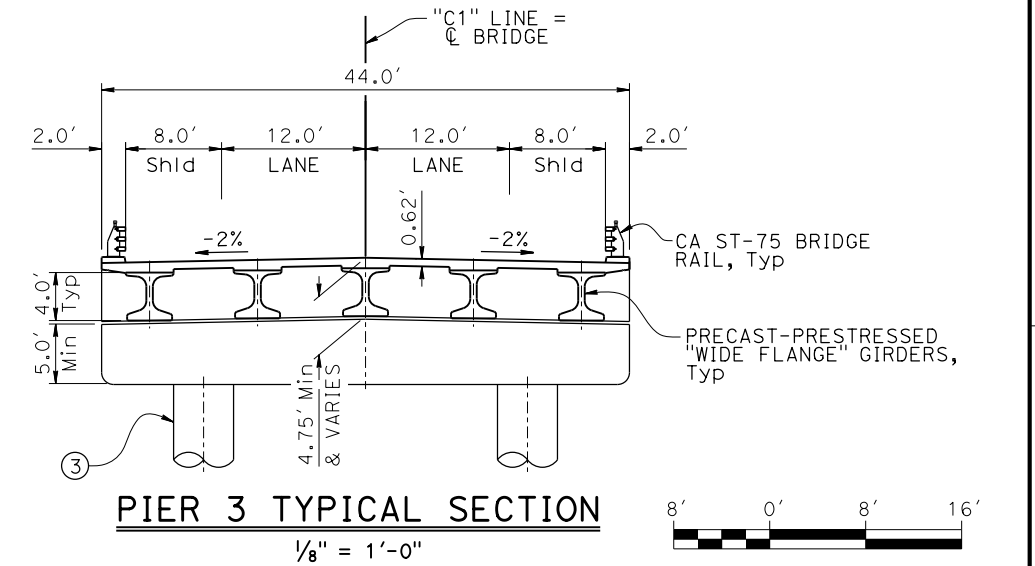
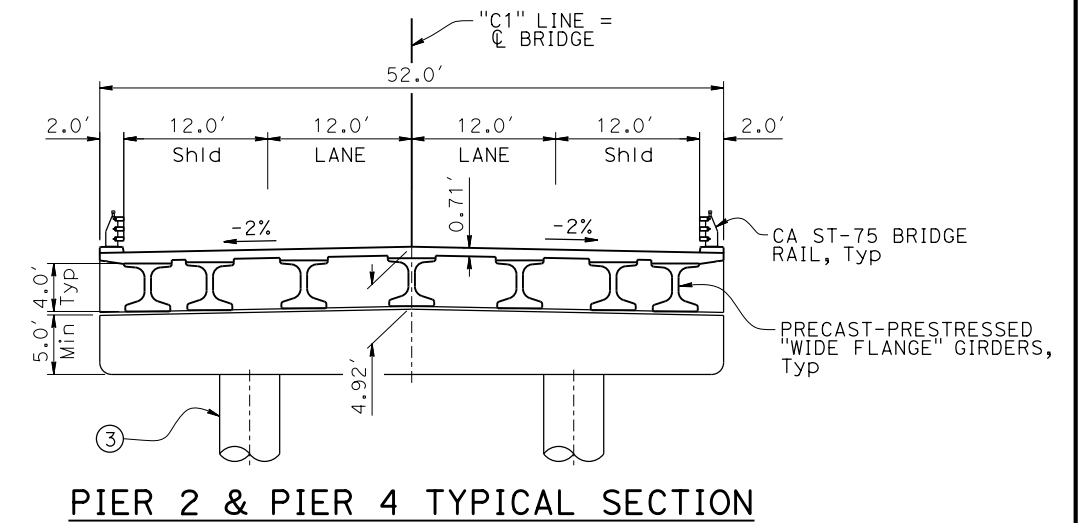
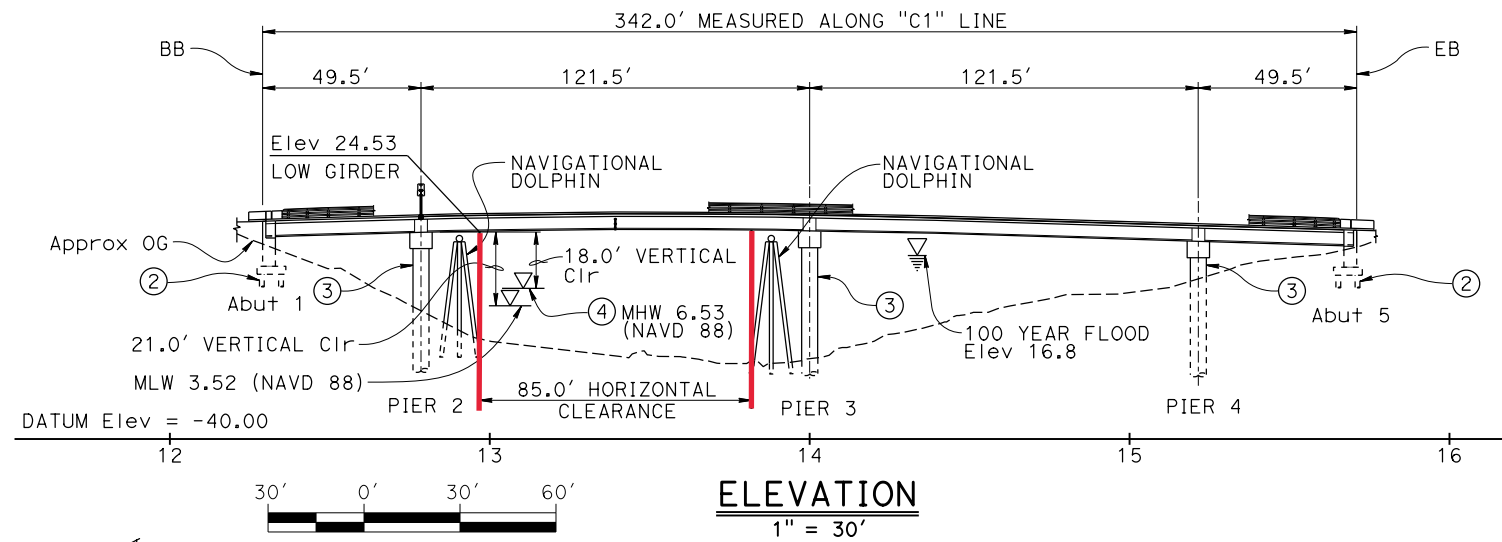
**CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD PERMIT**

**NOTES:**

1. Vehicular Traffic  
New alignment, traffic to remain on existing bridge during construction.
- ① Paint "MINER SLOUGH BRIDGE BRIDGE No. 23-0256" Year Constructed
- ② PP 18" x 0.625"
- ③ 60"Ø CISS concrete pile
- ④ 0.0 cu yd fill below MHW

**LEGEND:**

- Existing Structure
- ⊕ Point of Minimum Vertical Clearance
- ➔ Traffic Direction
- ▨ Limits of Bridge Removal



Randy S Bains 07-20-22  
REGISTERED CIVIL ENGINEER DATE

RANDIP S BAINS  
No. C64172  
Exp. 06-30-23  
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.

CALIFORNIA DEPARTMENT OF TRANSPORTATION  
Replacement Miner Slough (Highway 84) Bridge  
Mile 5.5, Miner Slough,  
near Rio Vista, Solano County, California

July 20, 2022 Sheet 2 of 2



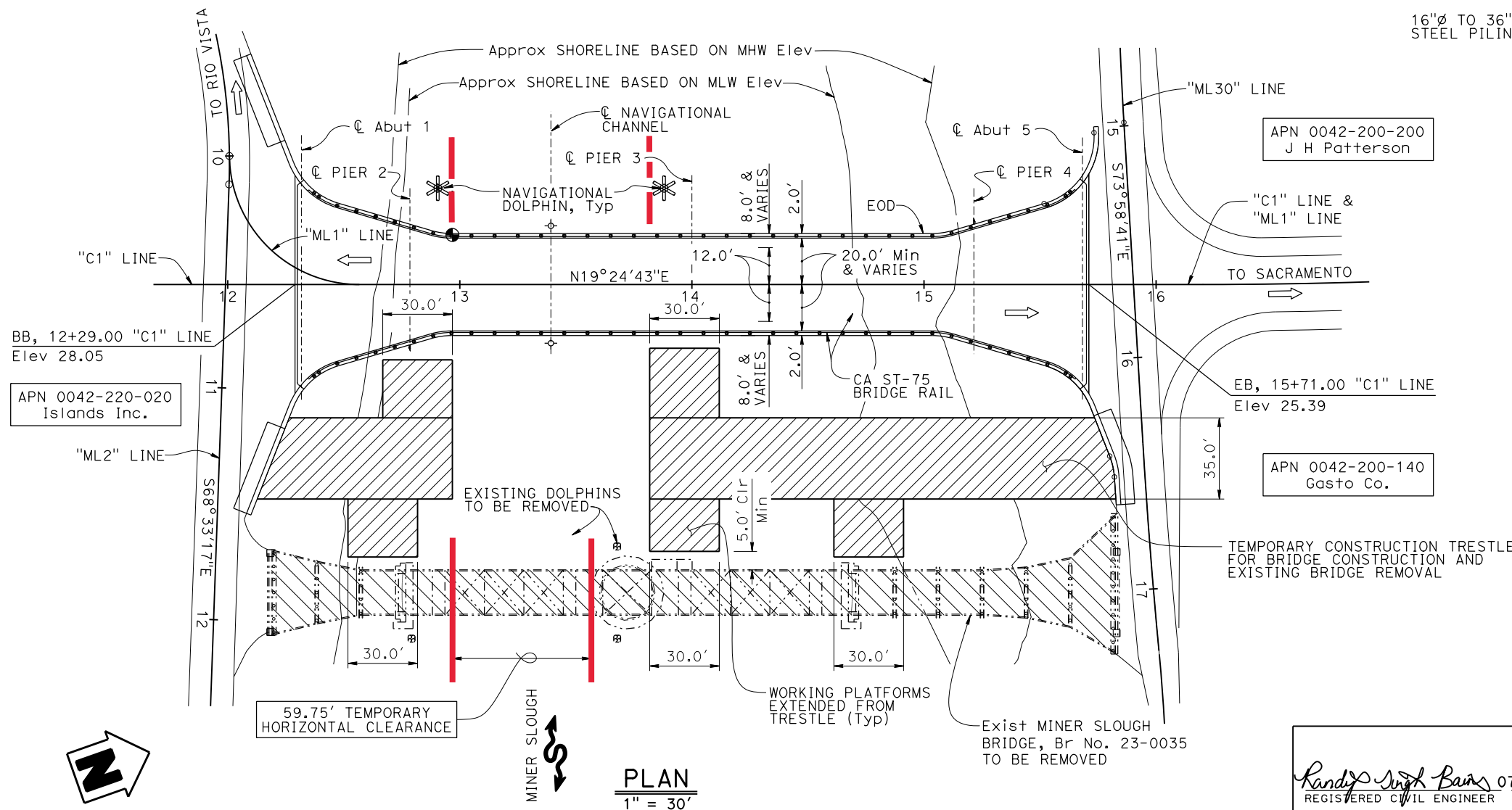
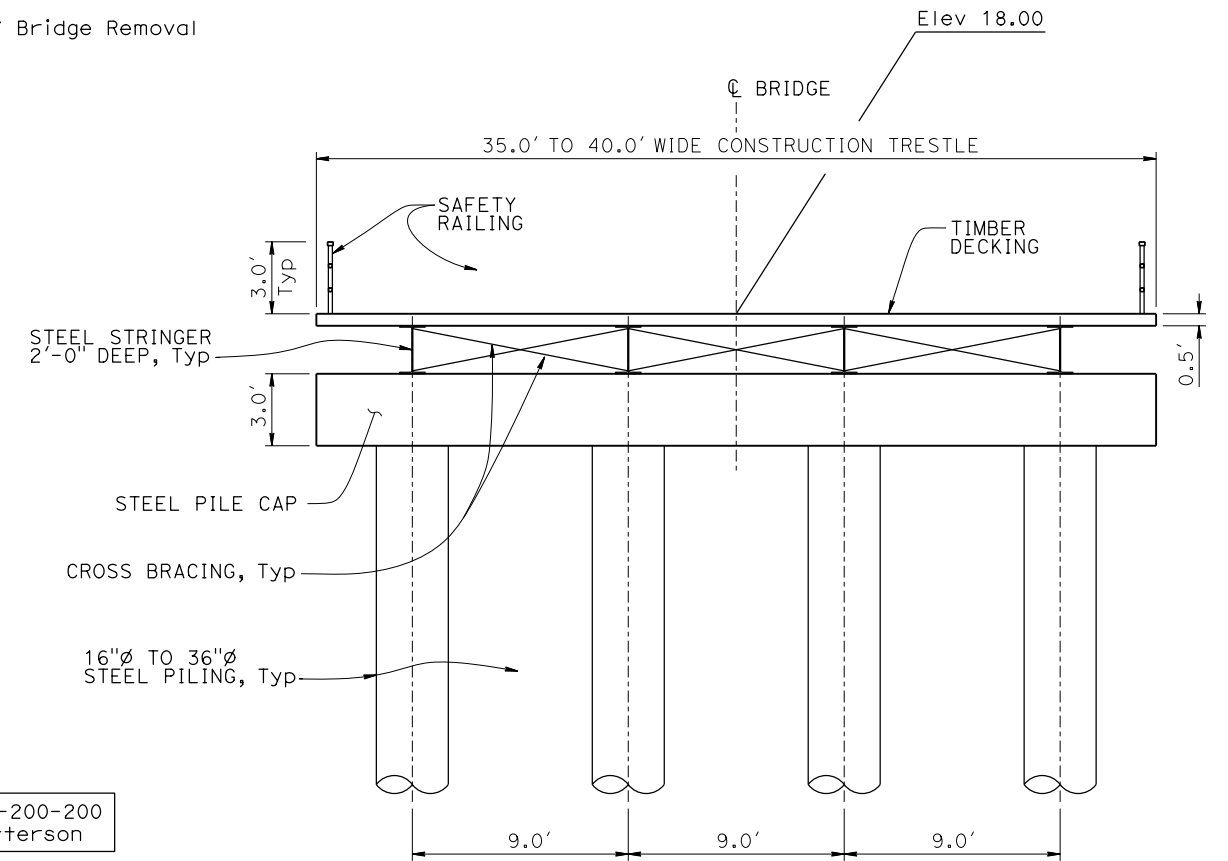
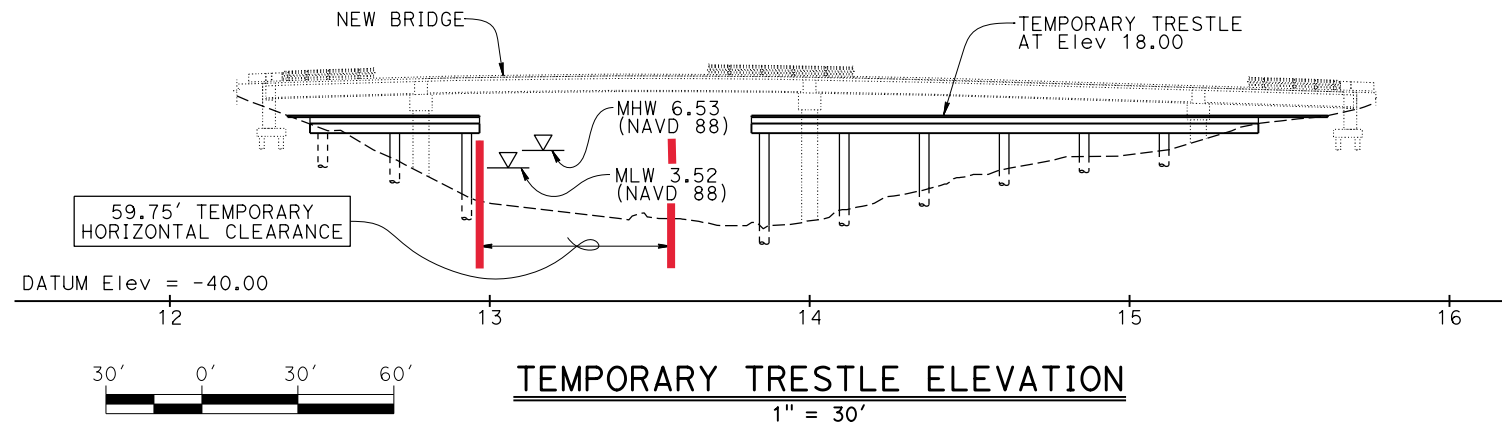
# PROPOSED TEMPORARY TRESTLE DURING CONSTRUCTION

During Construction, with two temporary trestles in place, the bridge will provide 59.75 feet of horizontal clearance from the face of the south trestle to the face of the north existing pivot pier and 15 feet of vertical clearance at mean high water. The swing span of the existing, being replaced bridge, will not open for vessel traffic.

# CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD PERMIT

### LEGEND:

- Existing Structure
- ▨ Temporary Construction Trestle
- ▧ Limits of Bridge Removal



**PLAN**  
1" = 30'

*Randy S Bains* 07-20-22  
REGISTERED CIVIL ENGINEER DATE

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

REGISTERED PROFESSIONAL ENGINEER  
RANDIP S BAINS  
No. C64172  
Exp. 06-30-23  
CIVIL  
STATE OF CALIFORNIA

CALIFORNIA DEPARTMENT OF TRANSPORTATION  
Replacement Miner Slough (Highway 84) Bridge  
Mile 5.5, Miner Slough,  
near Rio Vista, Solano County, California  
July 20, 2022  
PROPOSED TEMPORARY  
TRESTLE PLANS

