

# Arroyo De La Laguna Bridge

## EA 04-0J550

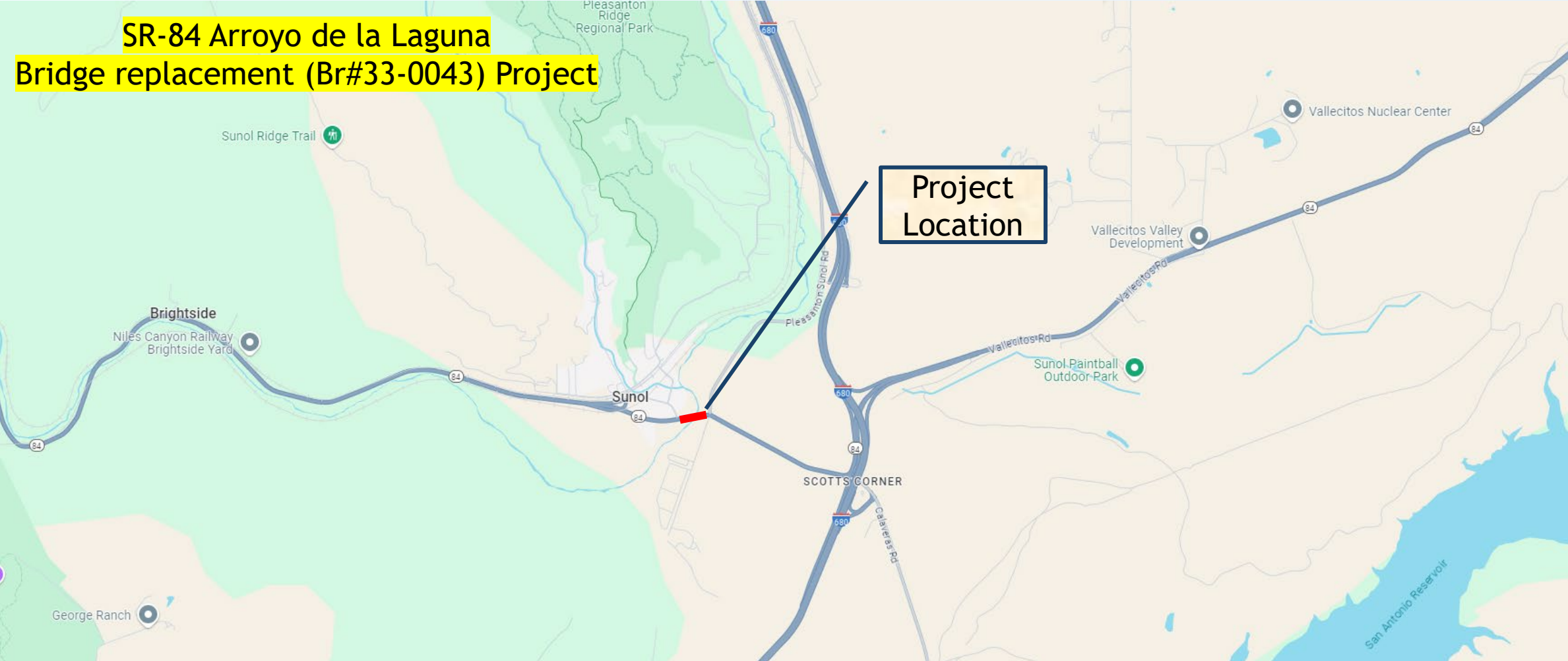
Alameda County Route 84

PM 17.0/17.40

Remove and replace the existing Arroyo De la Laguna bridge

# Project Location Map

**SR-84 Arroyo de la Laguna  
Bridge replacement (Br#33-0043) Project**



# Important Milestones

- Design completed and ready to list for advertisement: 06/30/2025
- Advertised: 09/15/2025
- Bid opening: 11/06/2025
- Approval: 01/13/2026
- Begin constr. date: April 2026 (Tentative)



# Key facts

- **Need for the Project:**

The project is needed to address critical issues associated with the existing bridge: The bridge is scour critical (erosion of soil and sediments from around bridge foundations by fast-moving water), and its structural integrity does not meet current design Standards.

- **Working Days**

Number of Working Days: 625 (three seasons) and additional 250 Plant establishment period.

- **Work Window:**

No work is allowed within the bed or banks of Arroyo de la Laguna Creek from October 16 to May 30 of any year.

- **Bridge work:**

This bridge replacement is considered an accelerated bridge construction project. There will be precast girders (128ft maximum length), bent caps, and abutments. Closures pour connections are with ultra high-performance concrete (UHPC). Mockups will be required. The main bridge construction will be in 3 stages/3 seasons.

# Project Description

*ARROYO DE LA LAGUNA BRIDGE # 33-0043*

The project proposes to:

Replace the existing six-span, reinforced concrete, T-beam structure with a new three span structure, realign roadway and add a designated bike path.

The new three span structure will provide two 13-foot wide lanes of traffic, a 2-foot wide median, 9-foot wide shoulders with a see-through barrier railing, and a 17-foot wide sidewalk for pedestrians and bicyclists on the right side (South) of the bridge.



# Closures and Coordination

- **Lane Closures:**

Full closures at night are available. There are max. **three** 55-hour closures approved for the duration of the project.

- . **Project coordination with other projects:**

Possibility of other projects in progress in the vicinity, during the same time. Information is provided in the special provisions.

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# Existing Bridge , looking South



# Existing bridge at the Deck , looking West



ARROYO DE LA LAGUNA CREEK BRIDGE  
STATE ROUTE 84, ALAMEDA COUNTY, CALIFORNIA  
VIEW 2 - EXISTING BRIDGE



PREPARED BY DIVISION OF ENGINEERING SERVICES  
STRUCTURES & ENGINEERING SERVICES - BRIDGE ARCHITECTURE AND AESTHETICS  
S. HEATH    DATE: 9-29-2025

# Rendering of the new bridge, after construction



**ARROYO DE LA LAGUNA CREEK BRIDGE**  
STATE ROUTE 84, ALAMEDA COUNTY, CALIFORNIA  
VIEW 1 - PROPOSED BRIDGE

# Rendering of the new bridge, after construction



**ARROYO DE LA LAGUNA CREEK BRIDGE**  
STATE ROUTE 84, ALAMEDA COUNTY, CALIFORNIA  
VIEW 2 - PROPOSED BRIDGE

 PREPARED BY DIVISION OF ENGINEERING SERVICES  
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S. HEATH DATE: 9-29-2025

# Title sheet and location map

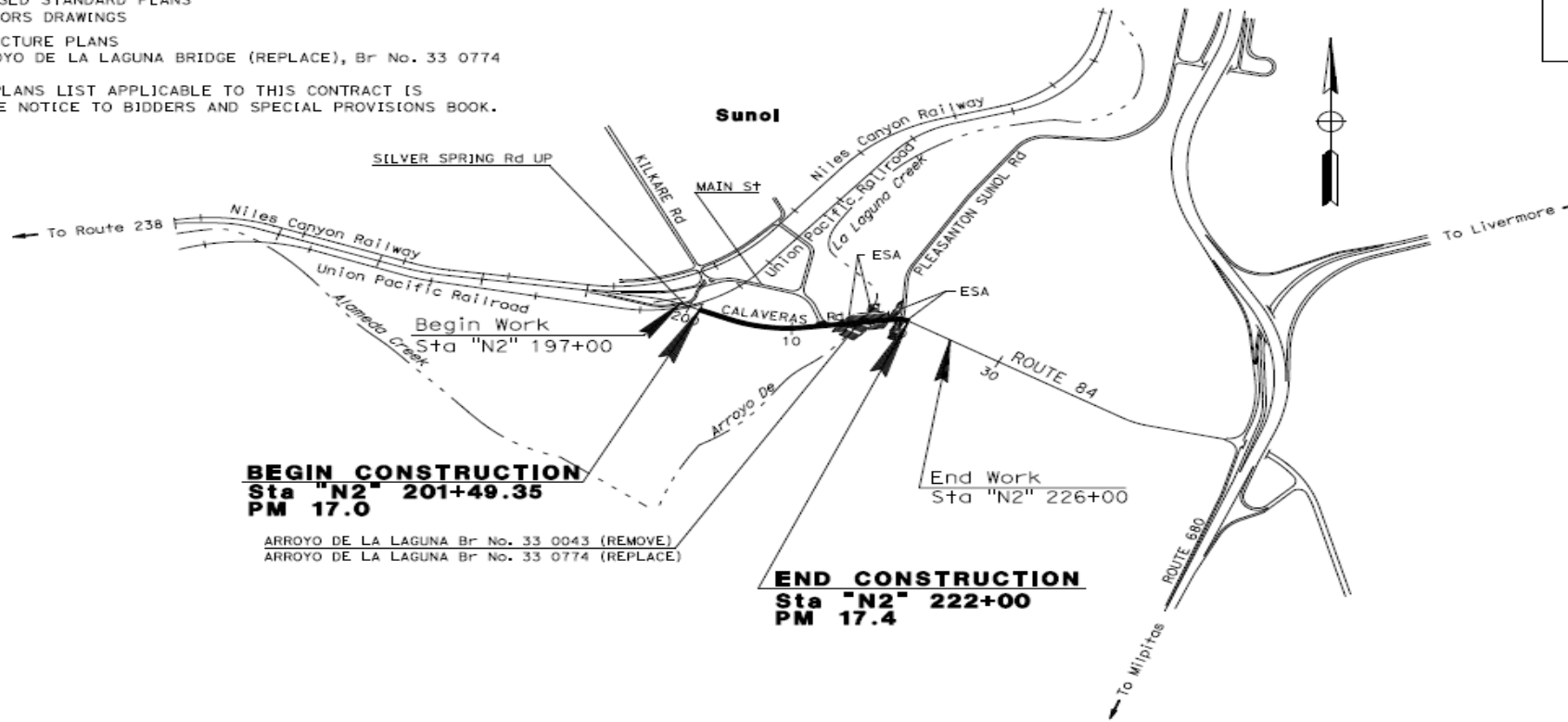
## INDEX OF PLANS

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7-8	LAYOUT
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12-17	CONSTRUCTION DETAILS
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23	CONTOUR GRADING
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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ACNH-S084(042)E**  
**PROJECT PLANS FOR CONSTRUCTION ON  
STATE HIGHWAY  
IN ALAMEDA COUNTY  
AT SUNOL  
FROM SILVER SPRING ROAD UNDERPASS  
TO PLEASANTON SUNOL ROAD**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2024



**BEGIN CONSTRUCTION**  
Sta "N2" 201+49.35  
PM 17.0

ARROYO DE LA LAGUNA Br No. 33 0043 (REMOVE)  
ARROYO DE LA LAGUNA Br No. 33 0774 (REPLACE)

**END CONSTRUCTION**  
Sta "N2" 222+00  
PM 17.4

NO SCALE

RELATIVE BORDER SCALE  
IS IN INCHES



USERNAME => P311798  
DGN FILE => 0414000012as001.dgn

*Jason R. Bond* 6-27-25  
PROJECT ENGINEER DATE  
REGISTERED CIVIL ENGINEER  
No. 49485  
Exp. 9-30-26  
CIVIL  
STATE OF CALIFORNIA

PLANS APPROVAL DATE  
June 27, 2025  
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.

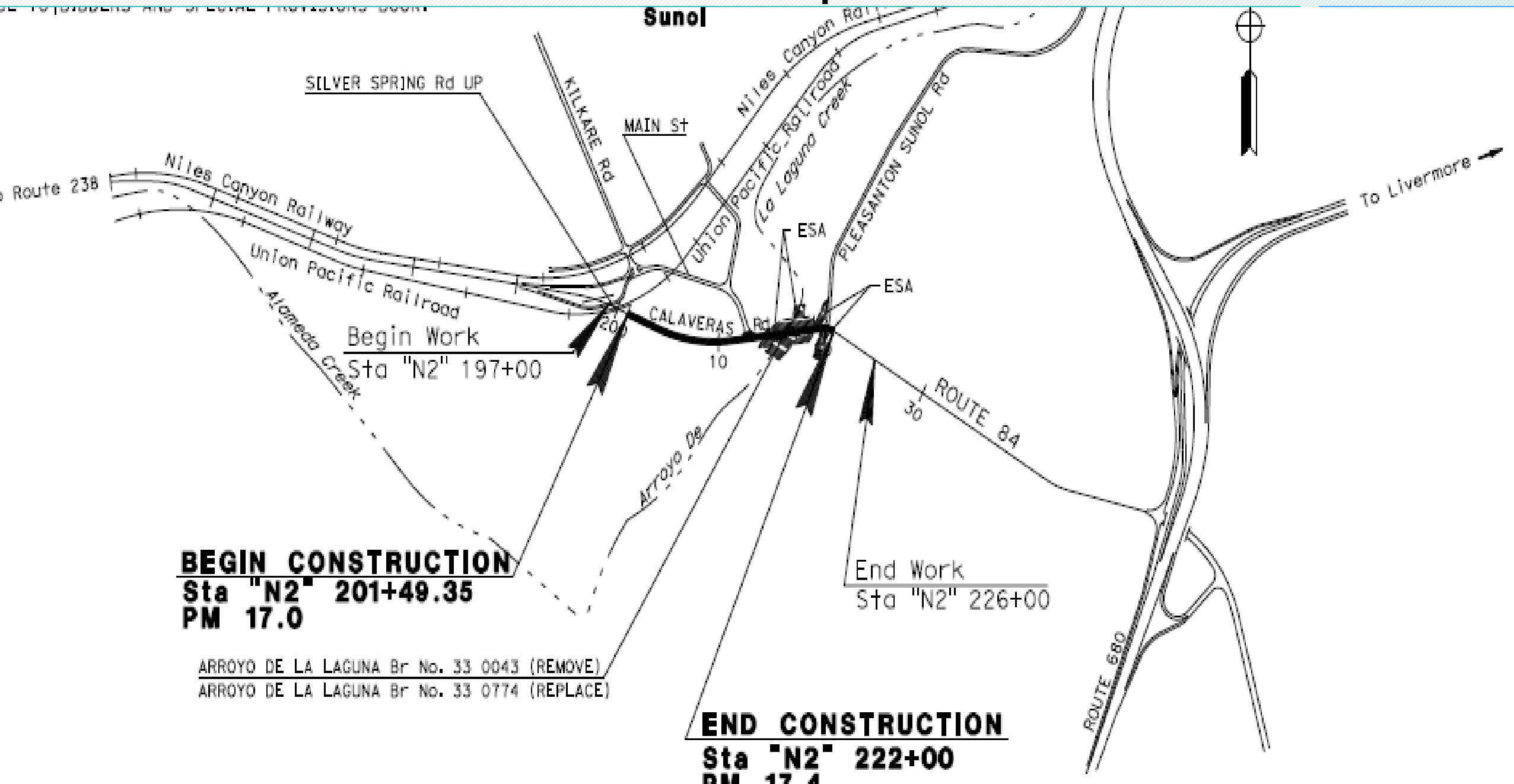
CONTRACT No.	<b>04-0J5504</b>
PROJECT ID	<b>0414000012</b>

PROJECT MANAGER  
KARANDR SANDHU

DESIGN MANAGER  
WILLIAM FONG

DATE PLOTTED => 7-AUG-2025  
TIME PLOTTED => 1:51


# Location map




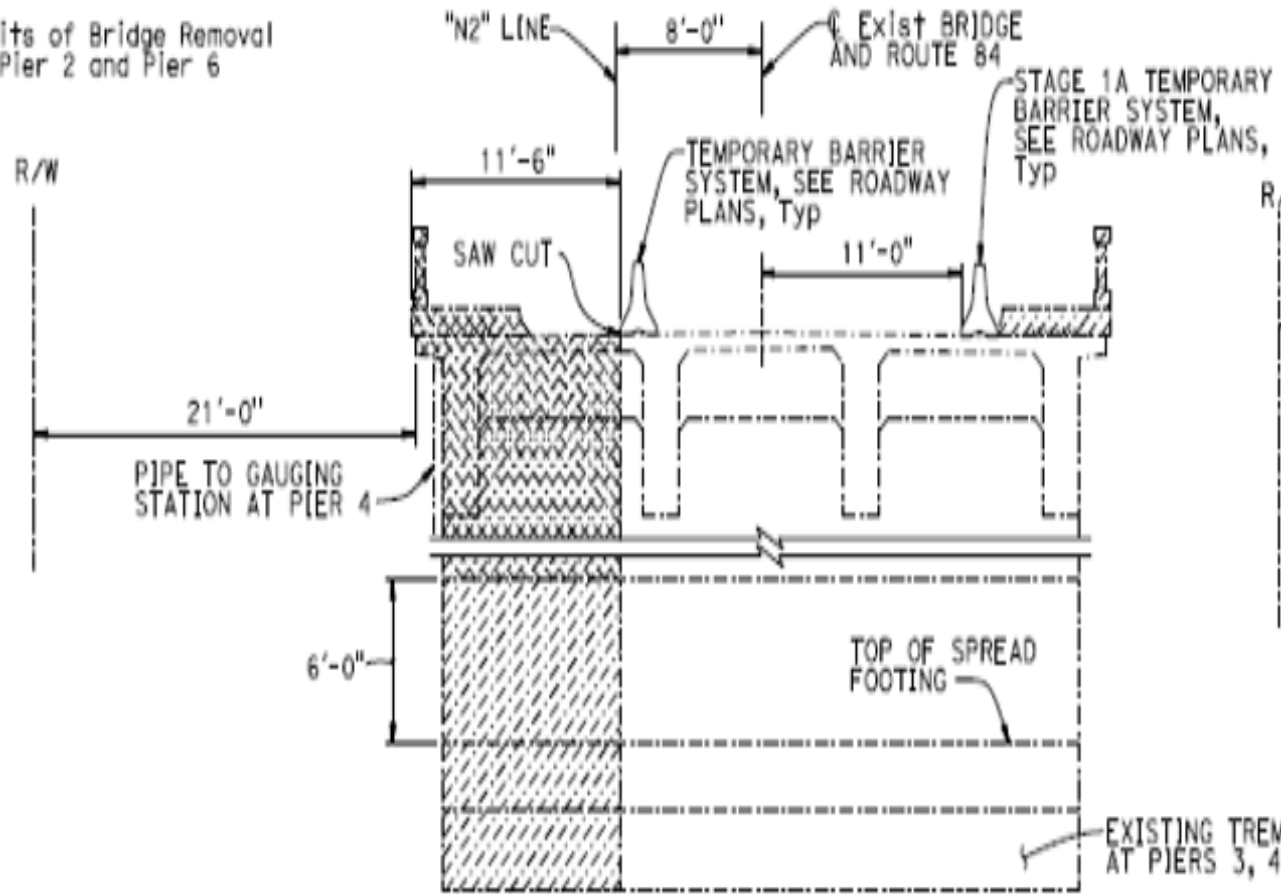
# Stage Construction Work- Stage 1

## LEGEND:

----- Existing structure

 Limits of Bridge Removal at Pier 3, Pier 4, Pier 5

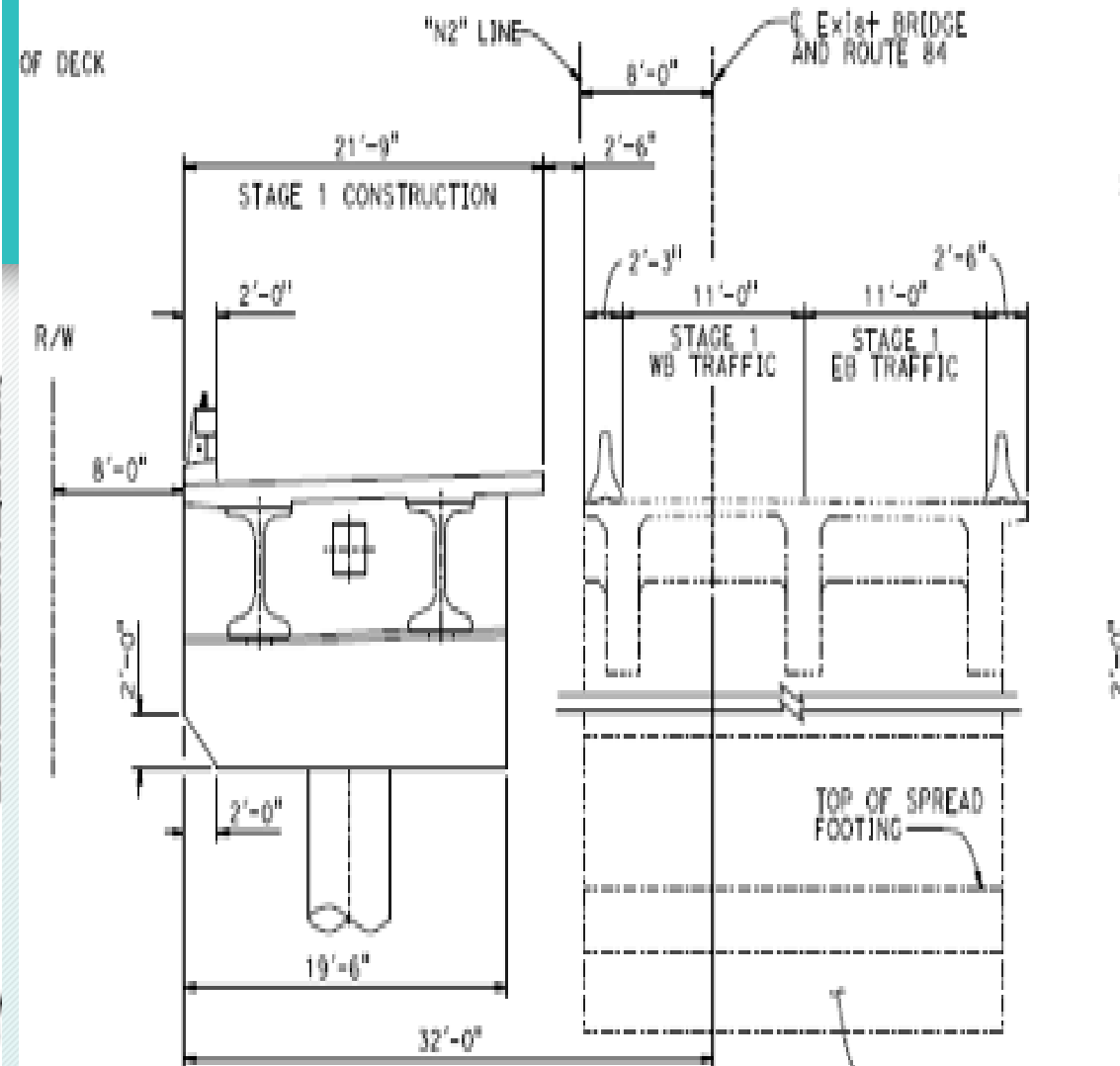
 Limits of Bridge Removal at Pier 2 and Pier 6



NOTE: EXISTING GAUGING STATION AT PIER 4 TO BE REMOVED.

**STAGE 1 REMOVAL**

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



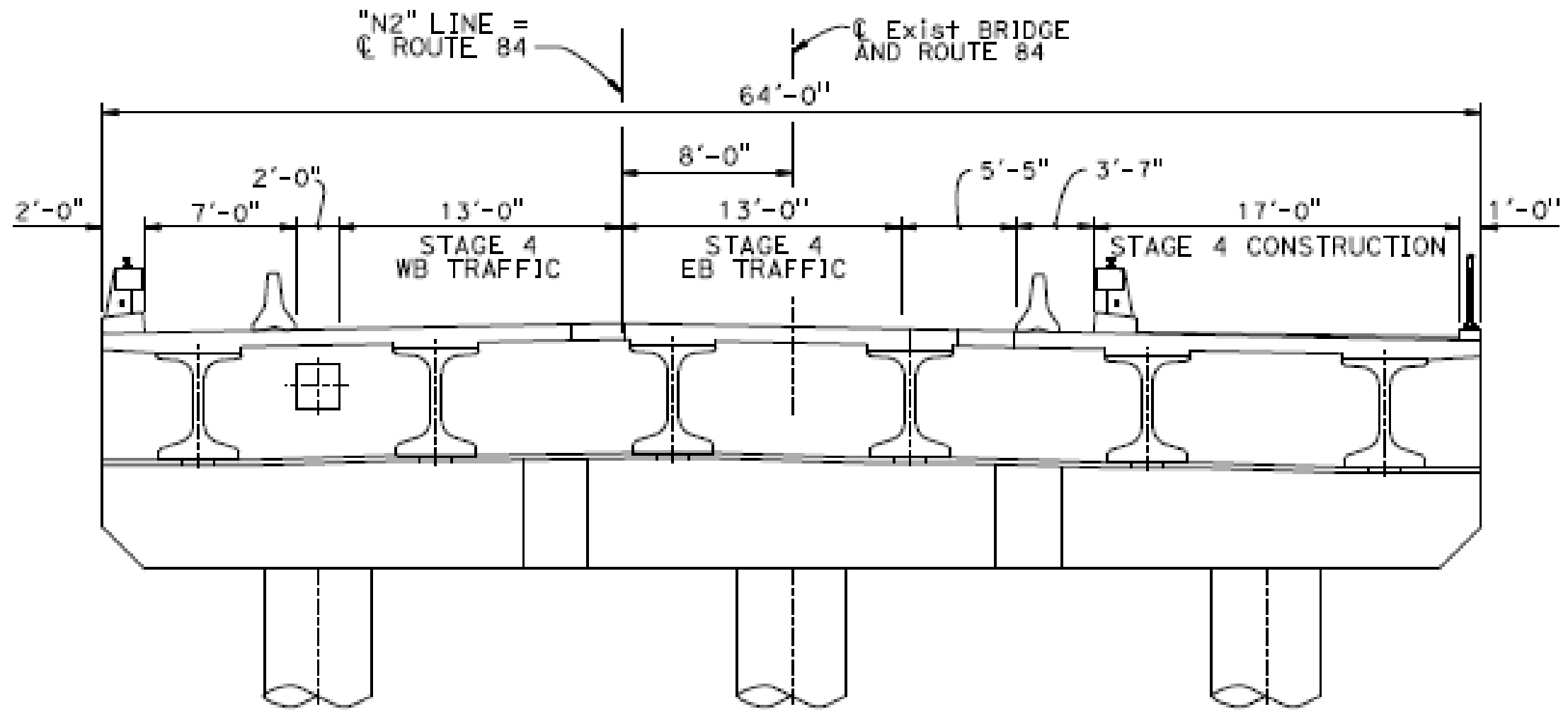
**STAGE 1 CONSTRUCTION**

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





# Stage 4 construction



STAGE 4 CONSTRUCTION  
 $\frac{3}{8}'' = 1'-0''$