



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION
With
SHIMMICK CONSTRUCTION**



Mosquito Road Bridge

At the South Fork of the American River

PROJECT UPDATE TOWN HALL MEETING

December 19, 2022





AGENDA

- ➔ Welcome / Introductions
- ➔ Project Review
- ➔ Bridge Sequence Video
- ➔ Work Completed to Date
- ➔ Anticipated Schedule
- ➔ Traffic Control & Impacts
- ➔ Public Concerns to Date
- ➔ Q&A





Welcome/ Introductions

- Brian Franklin – Resident Engineer
- Aradhana Kochar – Structure Representative
- Charlie Marrow – Shimmick Project Manager





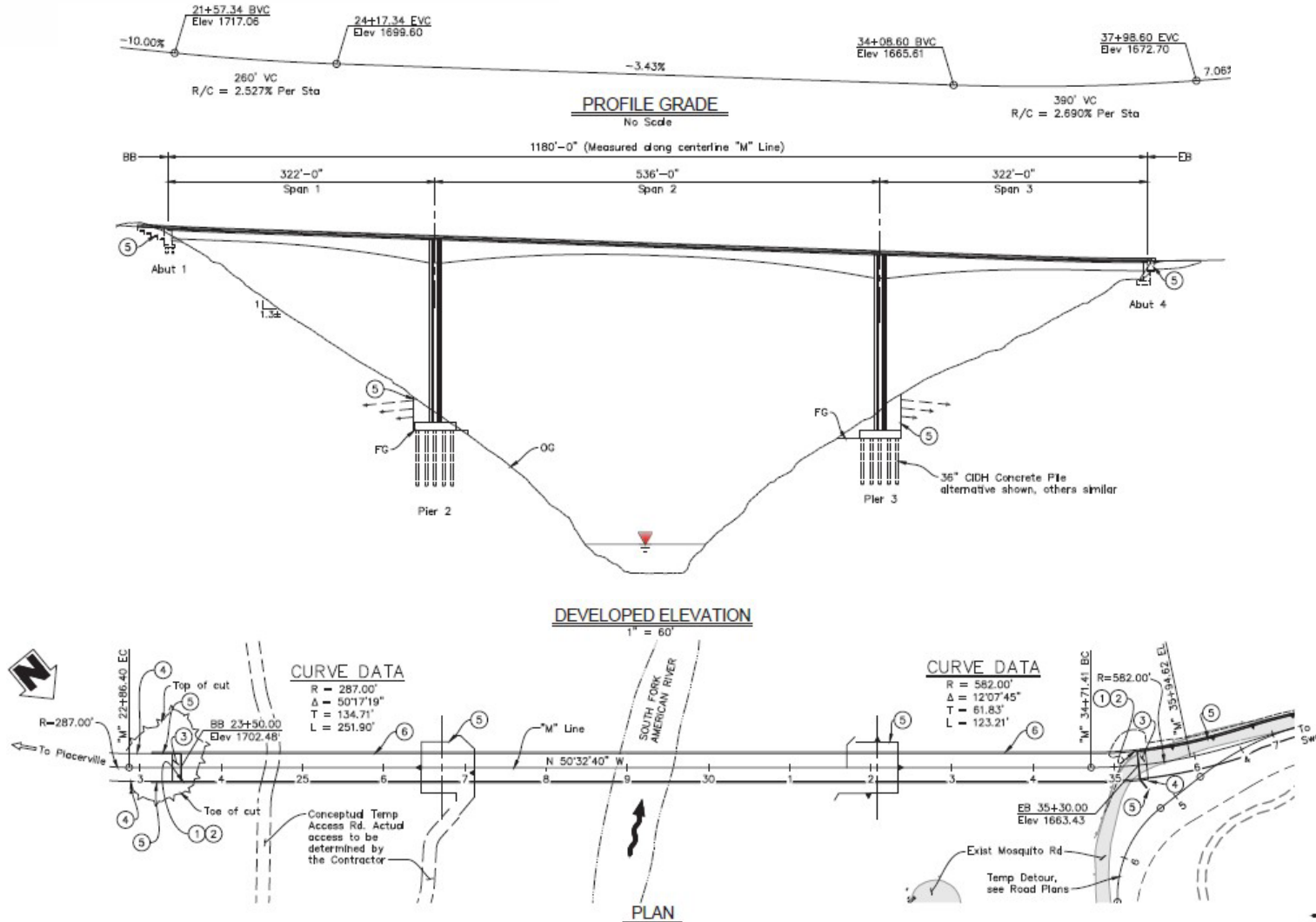
Project Features

- ➔ 1,180 LF Balanced Cantilever Segmental Bridge
- ➔ Approx. 400 VF above river channel
- ➔ Approx. 200 VF Piers



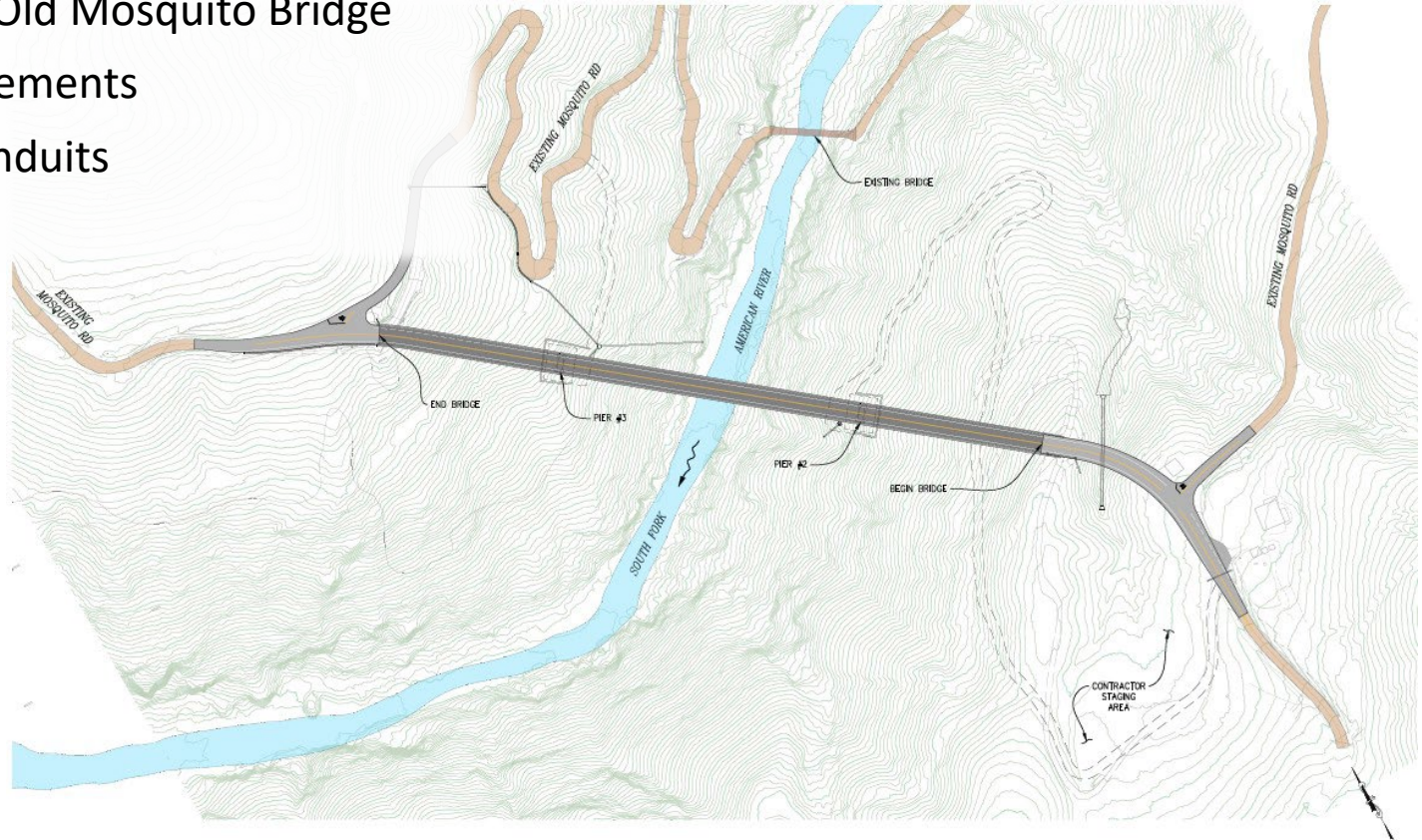


Project Features



Project Features

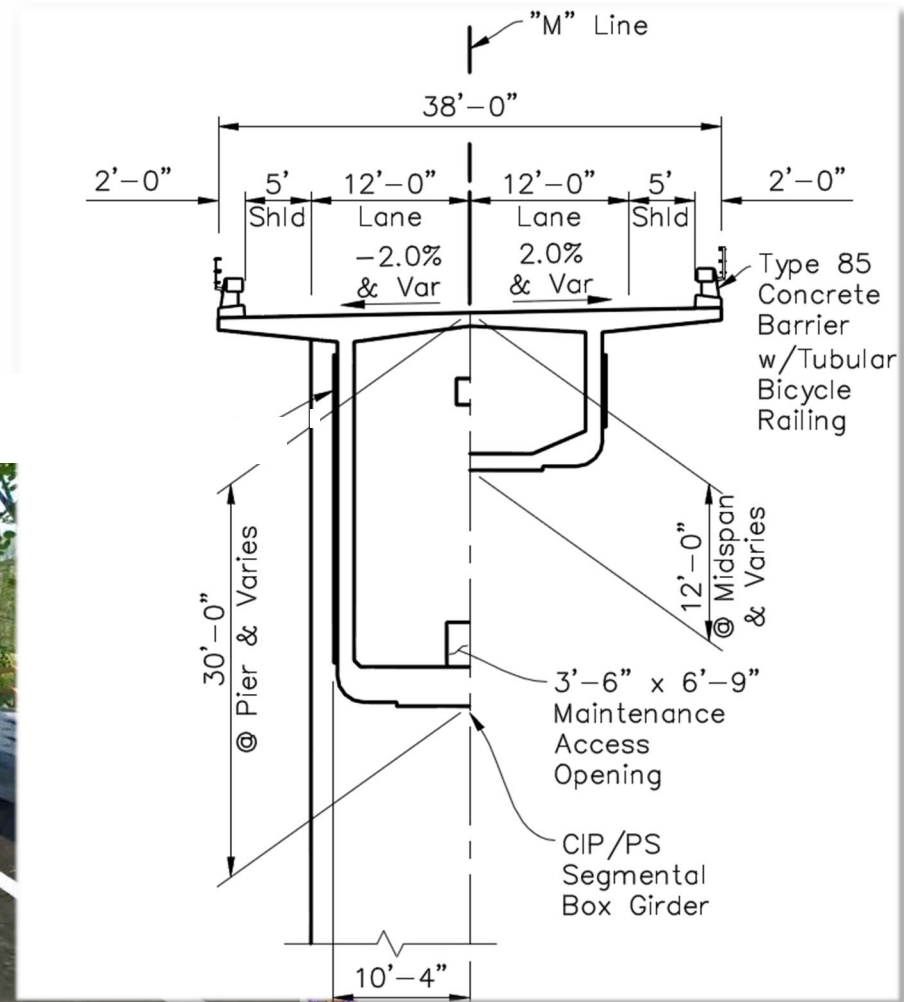
- ➔ New Mosquito Road Intersections (North and South)
- ➔ Realignment of existing Mosquito Road (North)
- ➔ Gated Access to Old Mosquito Bridge
- ➔ Drainage Improvements
- ➔ Future Utility Conduits





Project Overview

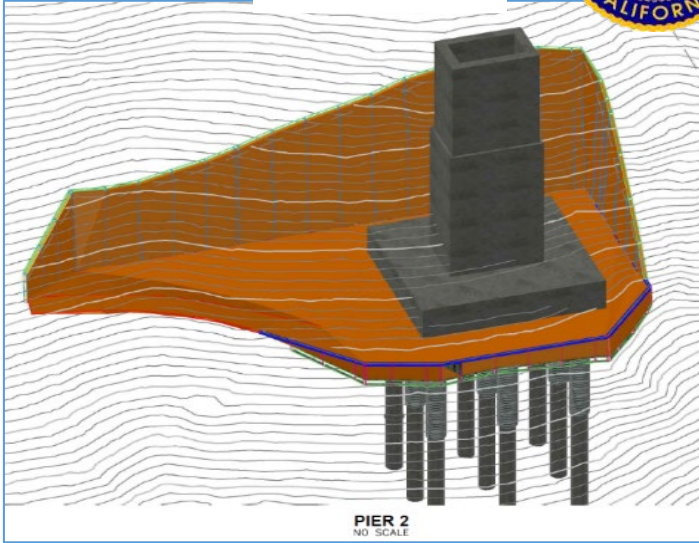
- 2 Lanes (12' wide, 5' shoulders)
- 54" High Barrier with Tubular Railing(Exceeds Standard)
- Timber Textured Barrier
- Natina Finished Railing (& MBGR)
- Suicide Prevention Signs





Project Features

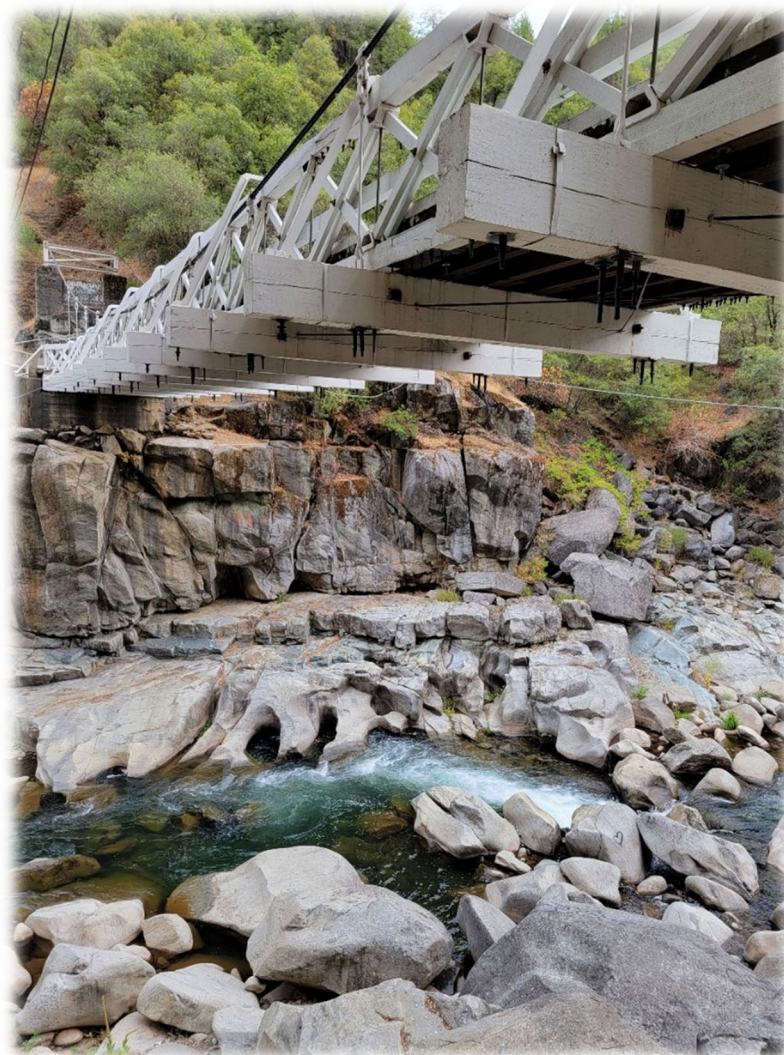
- ↳ Pier Walls & Foundations
 - ↳ Soil Nail & Solder Pile Walls
- ↳ Rock Texturing





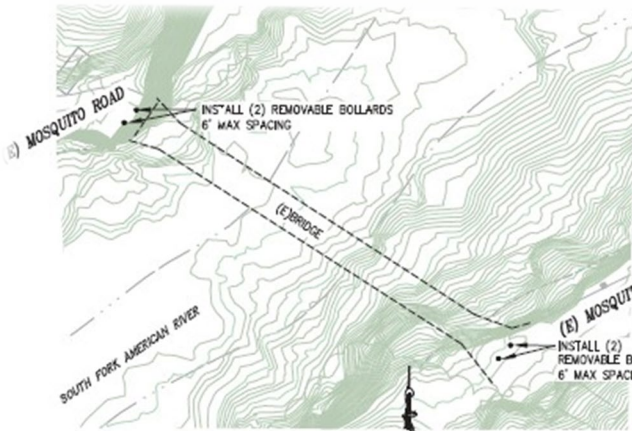
Project Features

- ➔ Existing Mosquito Road Bridge Remains In Place
- ➔ Converted to Bicycle & Pedestrian Bridge (Other Project)
- ➔ Gated Access to Existing Bridge

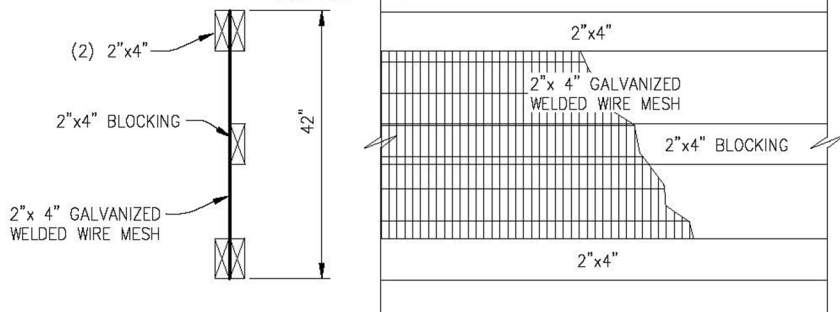


Project Features

- Existing Mosquito Road Bridge Converted to Bicycle & Pedestrian Bridge (Separate Future Project)



PLAN
EXISTING MOSQUITO BRIDGE



PEDESTRIAN RAILING

NTS





Bridge Construction Sequence Video





Construction Contract Award & Milestone Completion



- Construction Contract Awarded May 17, 2022
- Contract Executed – June 7, 2022
- Preliminary South Approach Tree Removal Started – June 27, 2022
- Preliminary North Tree Removal & Road Closed – July 5, 2022
- Notice to Proceed – July 18, 2022
- Stage 0 North Realignment Completed & Road Opened – August 9, 2022
- Drainage System #3 Complete Prior to Storms – October 22, 2022



Tree Removal Complete – Oak Resource Management Plan (ORMP)

- ➔ Permanent Work Removals – El Dorado County ORMP payment approximately \$160,000
- ➔ Temporary Access Removals – El Dorado County ORMP payment approximately \$50,000





Stage 0 North Mosquito Road Bypass Complete

→ Re-staged to open Mosquito Road Closure on 8/9/22





South Approach Fill in Progress

- ➔ Approximately 12,000 Cubic Yards of Import Borrow Placed
- ➔ Approximately 8,000 Cubic Yards Remaining for South Approach Completion





South Approach Fill in Progress

- ➔ Approximately 10,000 Cubic Yards of Import Borrow Placed
- ➔ Approximately 8,000 Cubic Yards Remaining for South Access





South Approach Drainage System #3 Complete

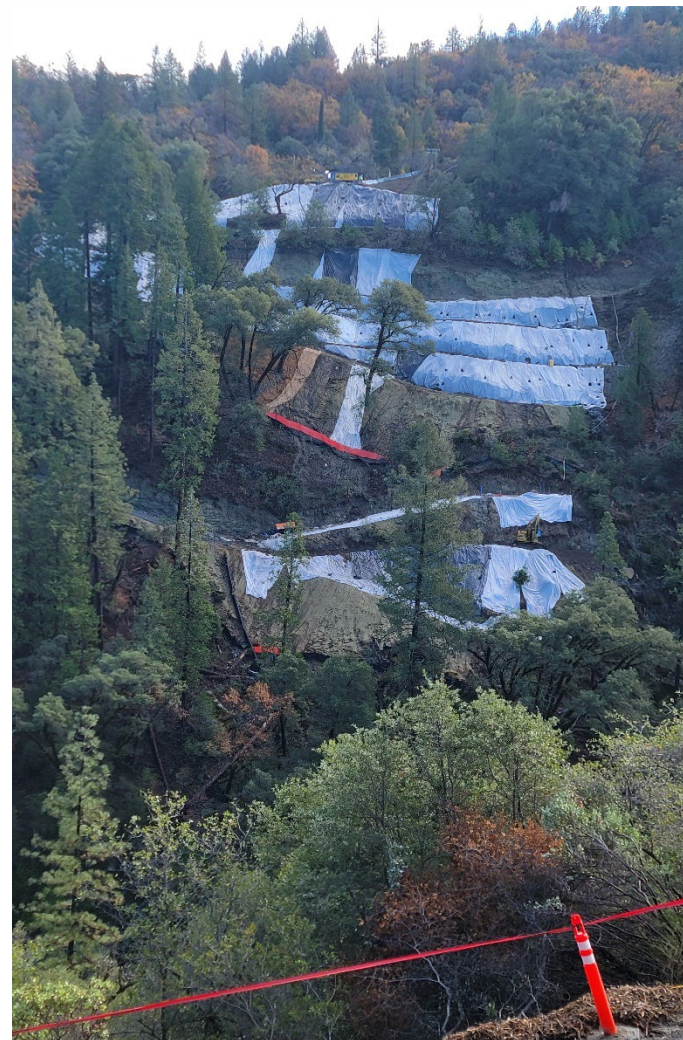
➔ Drainage System #3 & Final Erosion Control Complete





South Pier2 Access Roads Complete

→ South Trestle Construction in Progress





South Pier2 Trestle Construction

→ South Trestle Foundation in Progress





North Pier3 Access Roads Complete

→ North Trestle Construction in Progress



North Pier3 Trestle Construction

↳ North Trestle Construction in Progress





North Access Mosquito Road Retaining Walls Complete

- ↳ Access Retaining Walls Completed on 12/6/22
- ↳ Daily Flagging and Piloting Through Project Complete



North Pier3 Permanent Ground Anchor Retaining Wall

↳ North Ground Anchor Drilling & Installation in Progress



North Pier3 Permanent Ground Anchor Retaining Wall

↳ North Retaining Wall Reinforcement and Shotcrete in Progress





Finnon Lake Property Batch Plant Grading, Mobilization & Installation

- ↳ Environmental & Cultural Surveys / EIR Amendment Complete
- ↳ Batch Plant for Concrete Supply to Project North of American River in Progress
- ↳ Eliminates Concrete Mixer Truck Deliveries on Rock Creek Road
- ↳ 3 of the 4 Crane Assisted Batch Plant Equipment Deliveries Complete





South Project Limits 7/20/22

- South Ravine Tree Removals in Progress
- Begin Access Road Grading





South Project Limits 12/6/22

- South Ravine Fill Approximately 60% Complete
- Drainage System #3 Installed and Permanent Erosion Control Progress
- Access Roads Complete & Pier 2 Trestle in Progress
- Erosion Control Measures in Place





North Project Limits 7/20/22

- North Tree Removals in Progress
- Begin Stage 0 North Bypass Road & Grading at BLM Staging Area





North Project Limits 12/6/22

- ↳ Stage 0 Bypass Road Complete
- ↳ Access Roads & North Mosquito Access Retaining Walls Complete
- ↳ Pier 3 Trestle and Ground Anchor Wall in Progress
- ↳ Erosion Control Measures in Place





Anticipated Project Schedule

- ➔ Access Trestles/ Retaining Walls/ Foundations – 2023
- ➔ Structure Operations – 2023 thru 2025
- ➔ Roadway Tie-Ins – 2025
- ➔ Complete Construction – 2025

*Schedule subject to change based on site conditions, etc.

*Refer to County Project website for details:

https://www.edcgov.us/Government/dot/Bridge%20Projects/MosquitoBridge/Pages/mosquito_bridge.aspx





Traffic Considerations

- To date there have been over 1,000 dump truck and delivery truck loads, as well as work sites adjacent to traffic, with 0 Public incidents due to Project activities
- Large Loads & Deliveries
- Intermittent Reversing Control & Flagging
- Road Closures (up to 10 weeks/yr)
- Coordination Efforts
 - PCMS Boards & Advanced Warning Signs
 - Public Notices & Updates
 - Project Website (Updates)
 - Mosquito Fire Facebook
- Reduce Speeds, Watch for Signs, Yield for Pilot Vehicles, and Stop for Flaggers





Public Outreach

➔ Refer to EDCGOV Project Website & Mosquito Fire Facebook for Updates:

https://www.edcgov.us/Government/dot/Bridge%20Projects/MosquitoBridge/Pages/mosquito_bridge.aspx

<https://www.facebook.com/MosquitoFire>

The screenshot shows the El Dorado County website's Department of Transportation page for the Mosquito Bridge Project. The page features a navigation menu with icons for Home, I Want To, Government, Doing Business, Living, Visiting, Emergency Services, Connect With Us, Phone Directory, Strategic Plan, and Transparent EDC. The main content area includes the title 'Department of Transportation', a breadcrumb trail 'Home > Government > Department of Transportation', and the 'Mosquito Bridge Project' heading. A welcome message states: 'Welcome to the El Dorado County Mosquito Road Bridge Project website.' Below this, a paragraph explains that the project is a Highway Bridge Program (HBP) project eligible for federal funding under the HBP Off Federal Aid System 100% Reimbursement Program, currently in design and right-of-way phases. It also mentions that materials and documents used during public outreach are provided through links below. A 'What's New' section lists several project updates, including a public meeting on April 21, 2022, a project overview presentation to the Parks and Recreation Commission, a presentation to the Board of Supervisors to award RFP 20-961-081, and a high cost agreement approved by the Board of Supervisors. A link to the 'Updated Project Schedule' is also provided. On the right side, there is a 'Comments or Questions?' section with contact information: an online comment form, an email address (mosquitobridge@edcgov.us), a phone number (530) 621-5900, a fax number (530) 626-0387, and a mailing address in Placerville, CA. There is also a 'Subscribe to Mosquito Bridge News' button with a 'More Information' link.

El Dorado County

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Department of Transportation Menu

Department of Transportation

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Mosquito Bridge Project

Welcome to the El Dorado County Mosquito Road Bridge Project website.

The Mosquito Road Bridge Replacement Project is a Highway Bridge Program (HBP) project that is eligible for federal funding under the HBP Off Federal Aid System 100% Reimbursement Program. The project is currently in the design and right-of-way phases.

All materials and documents used during the public outreach as well new information and announcements as they become available are provided through the links below.

The public is encouraged to remain engaged throughout the process.

What's New

Mosquito Bridge Project Update Public Meeting on April 21, 2022 - Posted 03-18-22

[Mosquito Bridge Conversion Project Overview & Grant Opportunity Presentation to the Parks and Recreation Commission](#) - posted 09-17-21

Mosquito Road Bridge Presentation to the Board of Supervisors to Award RFP 20-961-081 - posted 08-16-21

[Mosquito Road Bridge Project's High Cost Agreement Approved by Board of Supervisors](#) - posted 05-04-21

[Updated Project Schedule*](#) – posted August 16, 2021

Comments or Questions?

Online Form: [Comment Form](#)
Email: mosquitobridge@edcgov.us
Phone: (530) 621-5900
Fax: (530) 626-0387
Mail: El Dorado County
Transportation Division
Attn: Bridge Project Coordinator
2850 Fairlane Court
Placerville, CA 95667

[Subscribe to Mosquito Bridge News](#)
[More Information](#)



Traffic Considerations

SWANSBORO, COUNTY
AIRPORT

Approx. 2.3 mile segment

Max. 1.3 mile segment
reduced to 0.3 mile

Project Location

Approx. 9.6 mile RCR
segment

Approx. 4.4 mile SR
193/49 & US 50
segment

Approx. 6 mile segment

PLACERVILLE

Placerville, CA 95667, USA Placerville

Apex

Broadway

Carson Rd

Union Ridge Rd

Smithflat

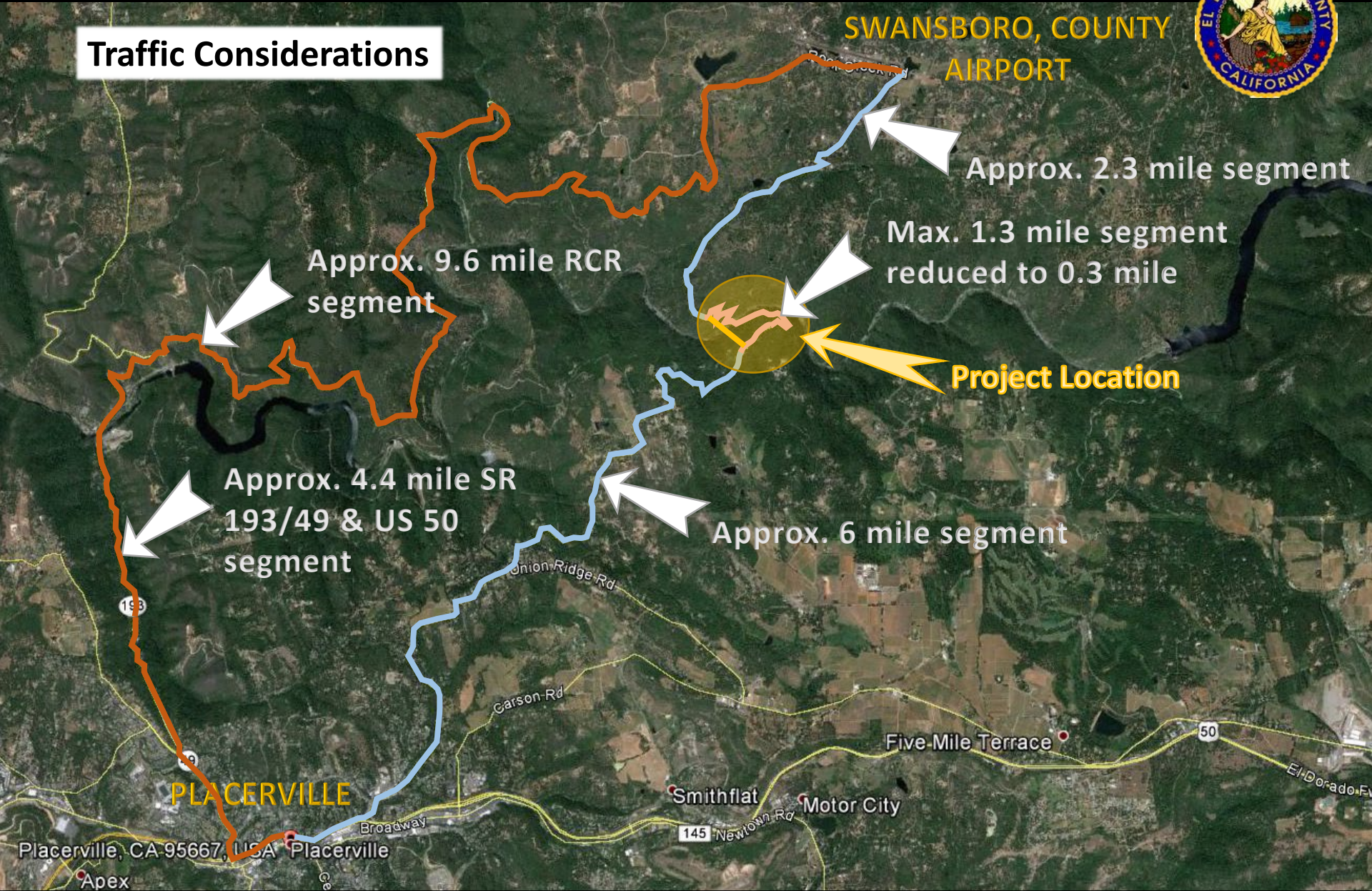
Motor City

Five Mile Terrace

145 Newtown Rd

50

El Dorado Fv





Public Concerns Emails / Phone Calls Q&A

- Will speed limit be reduced on Mosquito Road?
 - Advisory speeds on Mosquito Road are 25mph where center line exists and 20 mph in road width reduction without center line. The advisory speed limit posted within the job site will continue to be 25 mph.
- I have followed truck loads in with no pilot vehicle behind the trucks.
 - Pilot vehicles and in some instances multiple pilot vehicles are out in front of the load to alert on coming traffic. Please watch for the pilot vehicle flashing lights.
- How will erosion issues be addressed?
 - Erosion Control Best Management Practices (BMPs) are in place, monitored for effectiveness, revised as needed, and maintained regularly through the rain season.
- Can the Contractor repair potholes on Mosquito Road?
 - The project is working with DOT Maintenance for pothole repairs during the construction.
- Can the Contractor maintain drainage ditches outside of the Project limits?
 - Drainage ditch maintenance is also a DOT Maintenance item. The Contractor will repair drainage ditches that are disturbed due to Project activities.
- Report Maintenance Concerns to Preston at (530) 642-4909 or edcgov.us/DOT



20 Minute Q&A



[https://www.edcgov.us/Government/dot/Bridge Projects/MosquitoBridge](https://www.edcgov.us/Government/dot/Bridge%20Projects/MosquitoBridge)