



**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

September 28, 2023





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
- ➔ Nick Berger – Shimmick Field Engineer





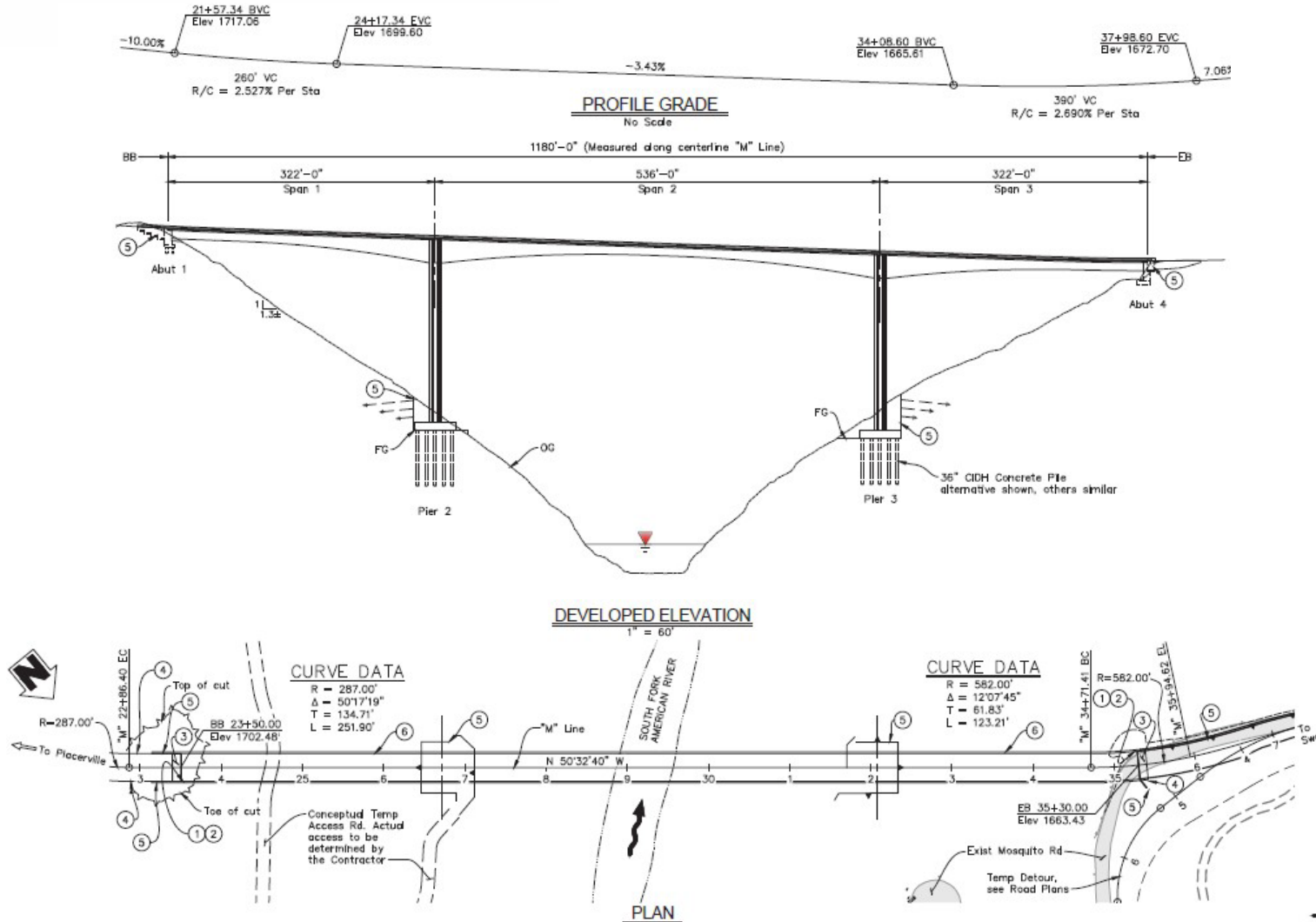
Project Features

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





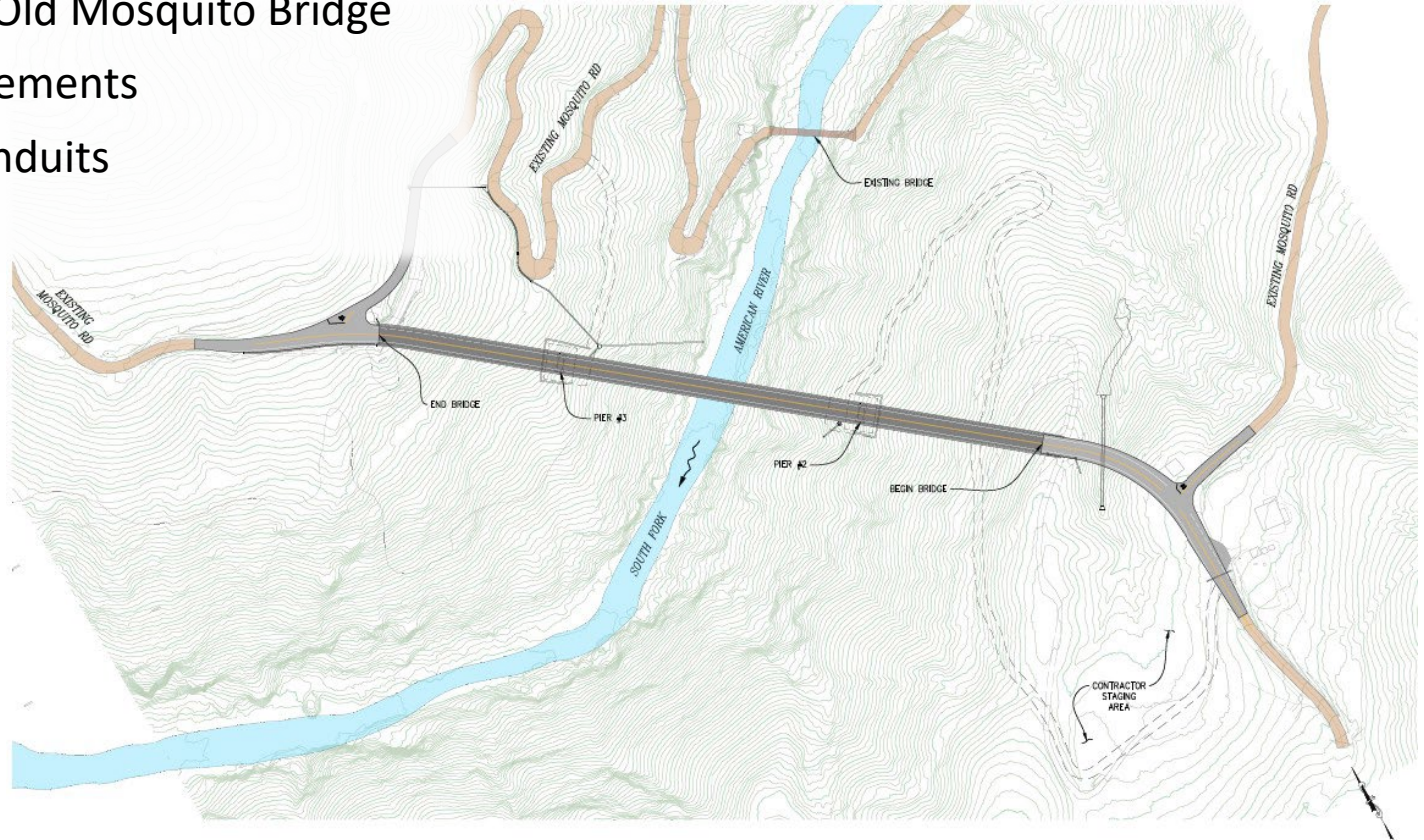
Project Features





Project Features

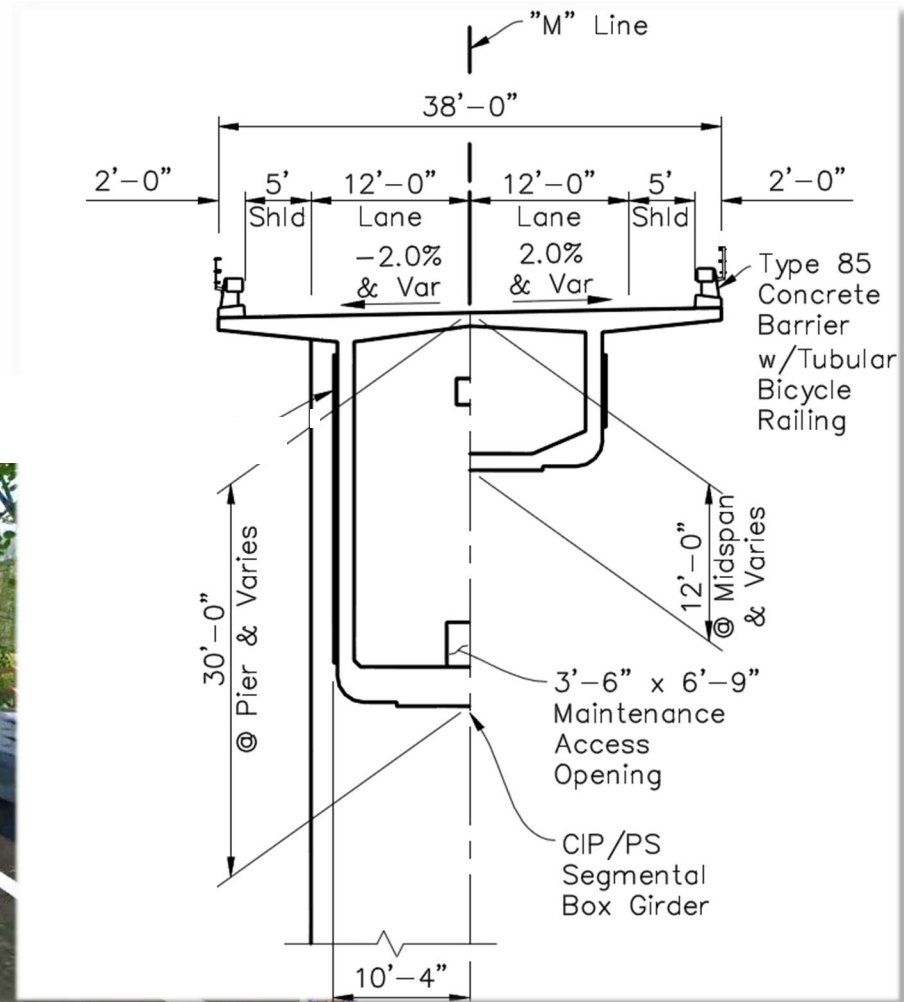
- New Mosquito Road Intersections (North and South)
- Realignment of existing Mosquito Road (North)
- Gated Access to Old Mosquito Bridge
- Drainage Improvements
- Future Utility Conduits





Project Overview

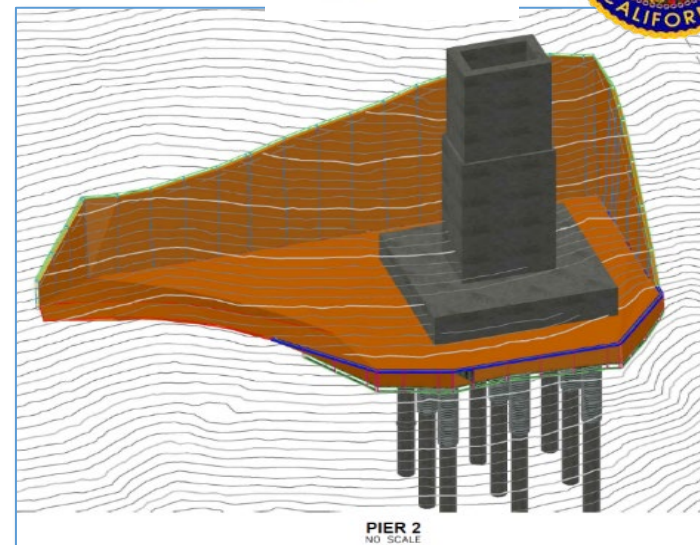
- ➔ 2 Lanes (12' wide, 5' shoulders)
- ➔ 54" High Barrier with Tubular Railing(Exceeds Standard)
- ➔ Timber Textured Barrier
- ➔ Natina Finished Railing (& MBGR)
- ➔ Suicide Prevention Signs





Project Features

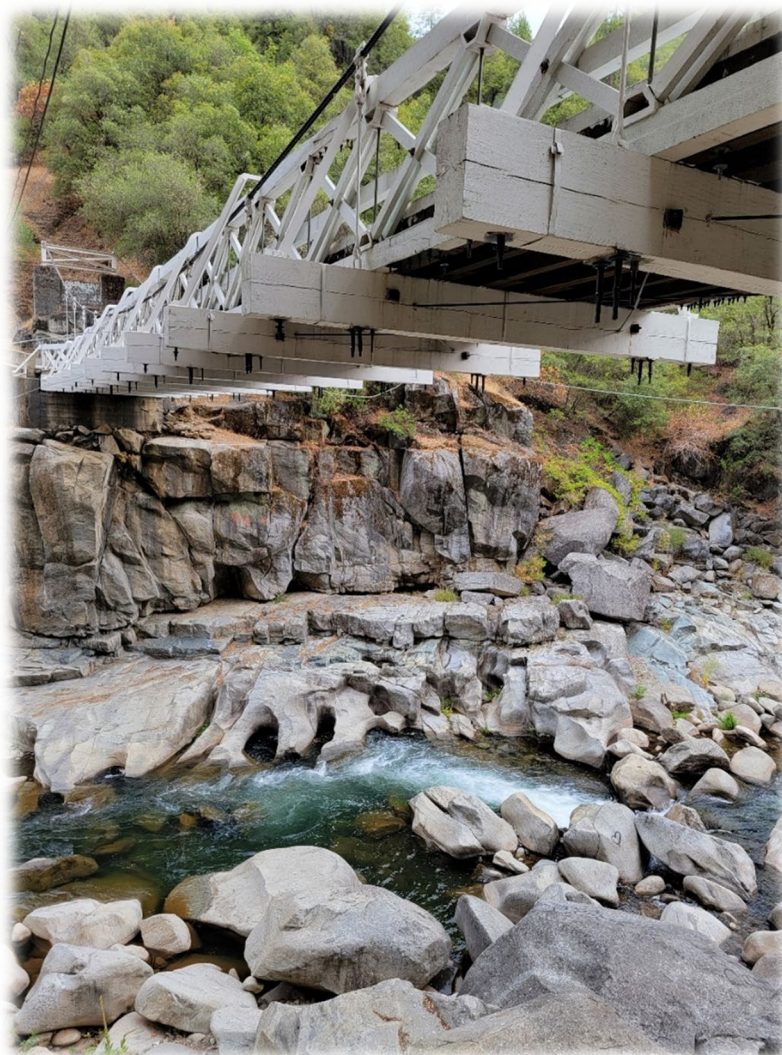
- ↳ Pier Walls & Foundations
 - ↳ Soil Nail & Solder Pile Walls
- ↳ Rock Texturing





Project Features

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



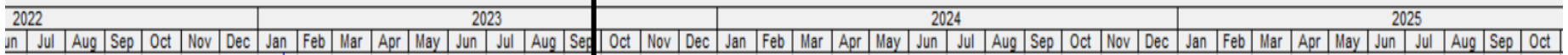
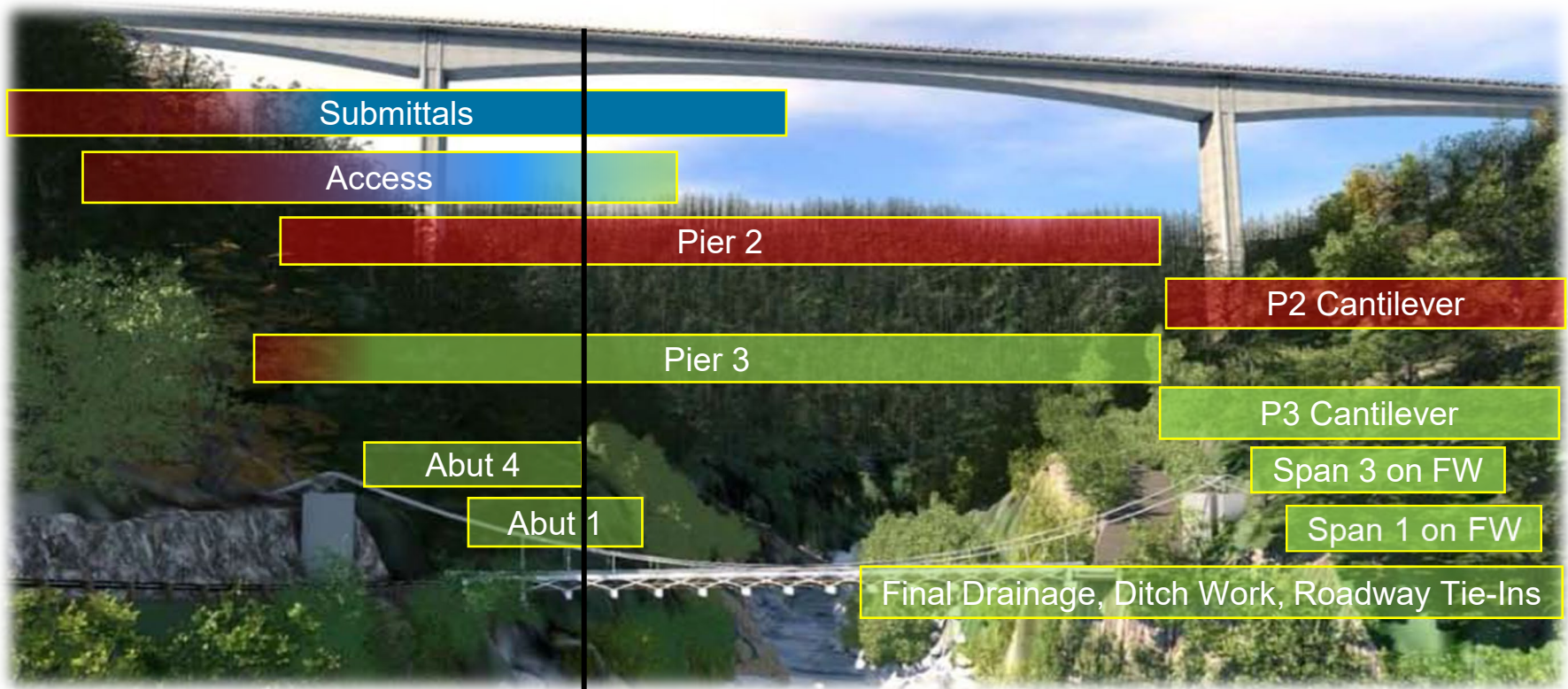


Bridge Construction Sequence Video





Construction Contract Award & Milestone Completion



36%

- ↳ 49 Non-Working Days (Rain, Fire, Heat)
- ↳ 251 of 700 Working Days Completed





Construction Contract Award & Milestone Completion



- Construction Contract Awarded May 17, 2022
- Notice to Proceed – July 18, 2022
- Stage 0 North Realignment Completed & Road Opened – August 9, 2022
- Summer 2023 10-Week Closure Work Completed & Road Opened – August 6, 2023
- Abutment 1 Foundation & Stem Completed – August 31, 2023
- Abutment 4, Retaining Wall 4, Backfill Completed – September 12, 2023
- Pier 2 Structural Retaining Walls Completed – September 25, 2023
- Pier 3 Structural Retaining Walls Completed – September 22, 2023



Abutment 1 & DS3 / South Fill Progress

- ➔ Abutment 1 Construction Completed August 31, 2023
- ➔ Abutment 1 Retaining Walls in Progress
- ➔ South Fill and Structure Backfill with Erosion Control will Complete in November 2023



South Pier2 Access Progress

- ➔ South Trestle Construction Completed July 15, 2023
- ➔ South Trestle Temp Soil Nail Wall completed September 28, 2023
- ➔ South Trestle Access Road Paving and Erosion Control Scheduled for October 2023



Pier2 (South) Foundation Progress

- Ground Anchor / Soil Nail Walls Began January 27, 2023
- Ground Anchor / Soil Nail Walls Completed September 25, 2023



Pier2 (South) Foundation Progress

- ➔ Ground Anchor / Soil Nail Walls Completed September 25, 2023
- ➔ Soldier Pile Wall Construction & CIDH Pile Construction Starts October 2023





North Pier3 Trestle Construction

- ➔ North Trestle Construction Completed on February 6, 2023
- ➔ North 275T Crane Mobilized on May 6, 2023





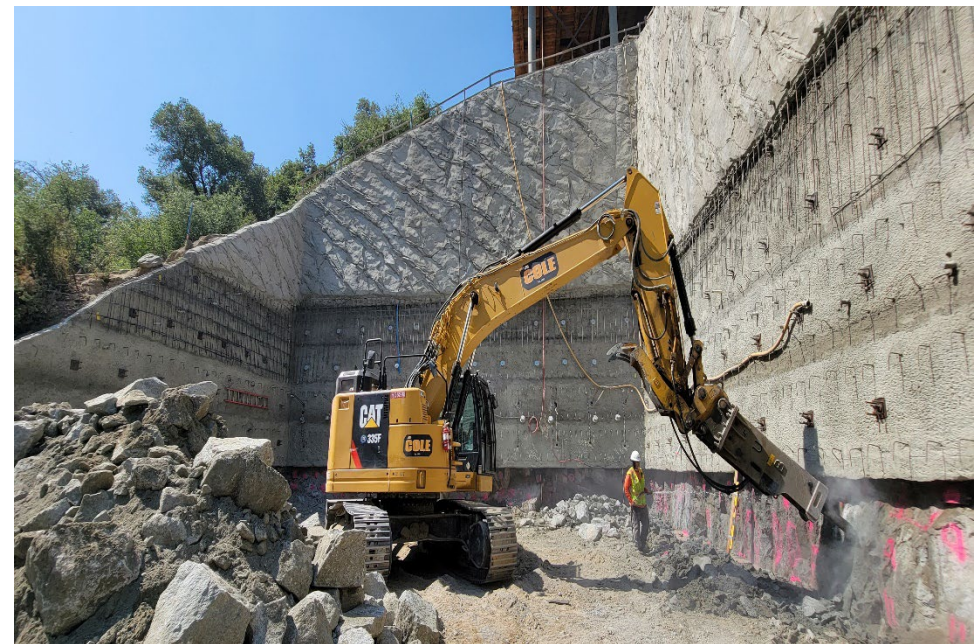
Pier3 (North) Foundation Progress

→ Blasting for Hard Rock Excavation Completed on July 21, 2023



Pier3 (South) Foundation Progress

- ➔ Ground Anchor / Soil Nail Walls Began November 28, 2022
- ➔ Ground Anchor / Soil Nail Walls Completed September 21, 2023



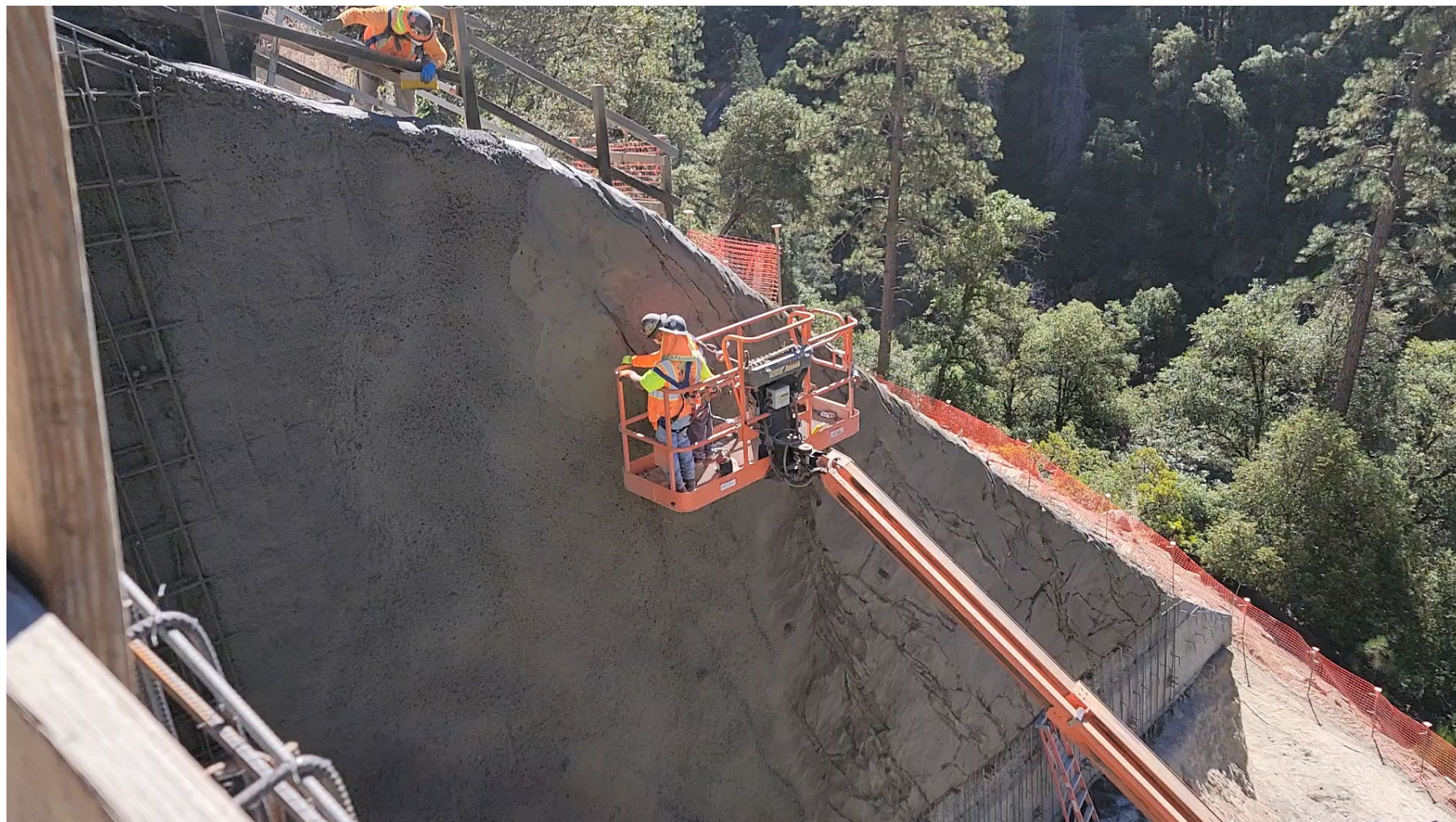
Pier3 (North) Foundation Progress

- Ground Anchor / Soil Nail Walls Completed September 21, 2023
- Soldier Pile Wall Construction & CIDH Pile Construction Starts October 2023



Pier3 (North) Foundation Progress

→ Architectural Shotcrete Completed September 21, 2023





Abutment 4 & Retaining Wall 4 Progress

- ➔ Abutment 4 Construction Completed on May 25, 2023
- ➔ Retaining Wall 4 Construction Completed on August 10, 2023
- ➔ Backfill & Road Base Completed on September 12, 2023



Drainage & Erosion Control Progress

- North Rock Slope Armoring Completed July 14, 2023
- Metal Guardrail System Completed August 1, 2023
- Drainage System 5 and North Concrete Ditches Completed August 4, 2023
- Sitewide Final & Temporary Erosion Control Installation Scheduled for October 2023 – November 2023





Finnon Lake Property Concrete Batch Plant Completed

- ↳ Foundation & Grading Completed on December 2, 2022
- ↳ Mobilization Completed on December 8, 2022
- ↳ EIR Amendment to Board on December 16, 2022
- ↳ Installation Complete on February 3, 2023
- ↳ Trial Batching Started in February 2023
- ↳ Batch Plant Supplying Concrete to North Project Work Since March 2023





South Project Limits 7/20/22

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





South Project Limits 7/12/23

- South Ravine Fill approximately 85% complete
- Abutment 1 / RW1 and structure backfill in progress
- Pier 2 Retaining Walls completed on 9/25/23
- Final and temporary erosion control measures in progress





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 9/5/23

- ➔ Rock slope armoring, concrete ditches, DS5, and metal guardrail complete 7/31/23
- ➔ Abutment 4 / RW 4, backfill, and road base complete 9/19/23
- ➔ Pier 3 Retaining Walls complete 9/22/23
- ➔ Final and temporary erosion control measures in progress





Anticipated Project Schedule

- ➔ Complete Abutment 1 Retaining Walls & Backfill – October 2023
- ➔ Complete Pier 2 Trestle Access – October 2023
- ➔ Complete Drainage System 3 (South Fill 95%) – November 2023
- ➔ Complete Project Erosion Control Measures for Winter – November 2023
- ➔ Complete Pier Soldier Pile Walls / CIDH Pile Foundations – January 2024
- ➔ Complete Pier Footing Caps (1000 CY / EA) – January 2024
- ➔ Begin Pier Columns Construction – February 2024
- ➔ Begin Bridge Superstructure Construction – December 2024

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

*Refer to County Project website for details:

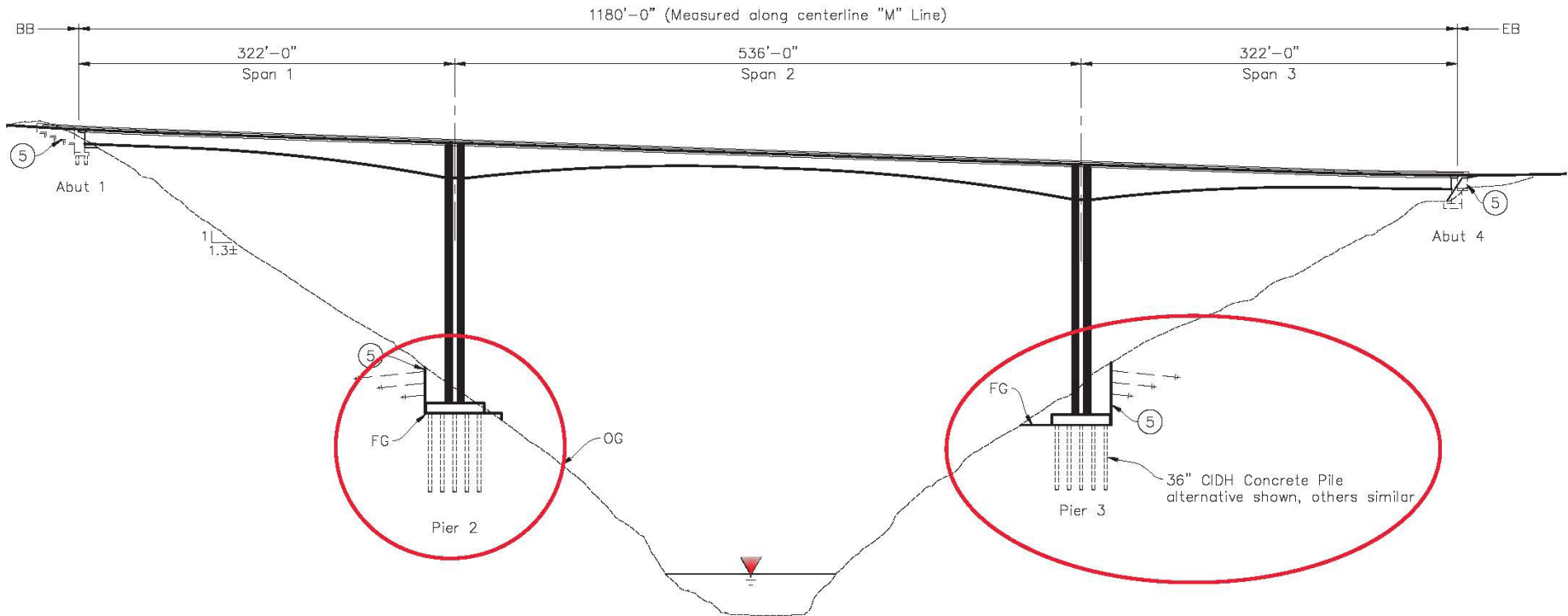
https://www.edcgov.us/Government/dot/Bridge%20Projects/MosquitoBridge/Pages/mosquito_bridge.aspx





Next Phases of Work – Bridge Pier Foundations

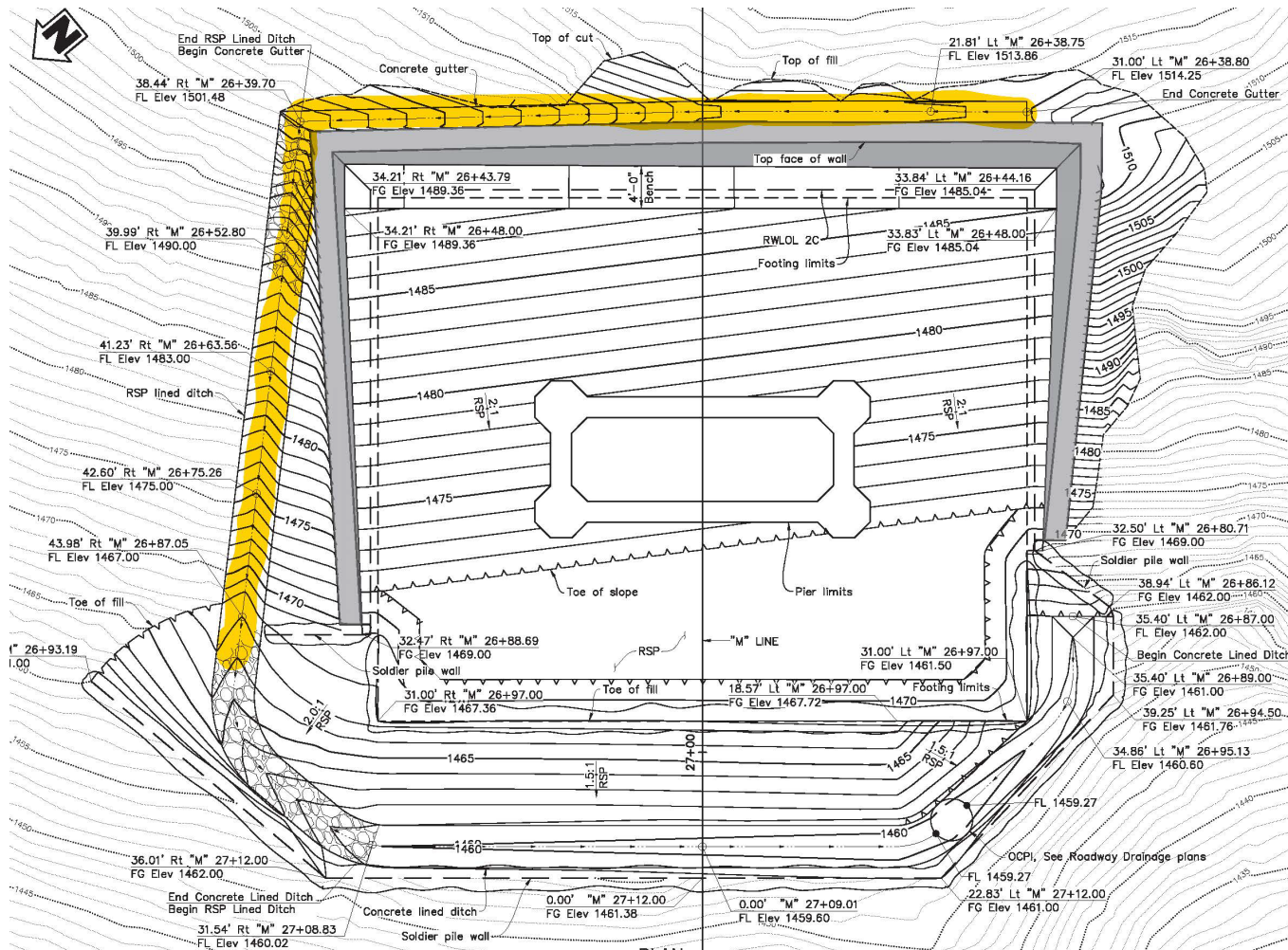
➔ Anticipated completion by January 2024





Next Phases of Work – Retaining Wall Drainage Ditches

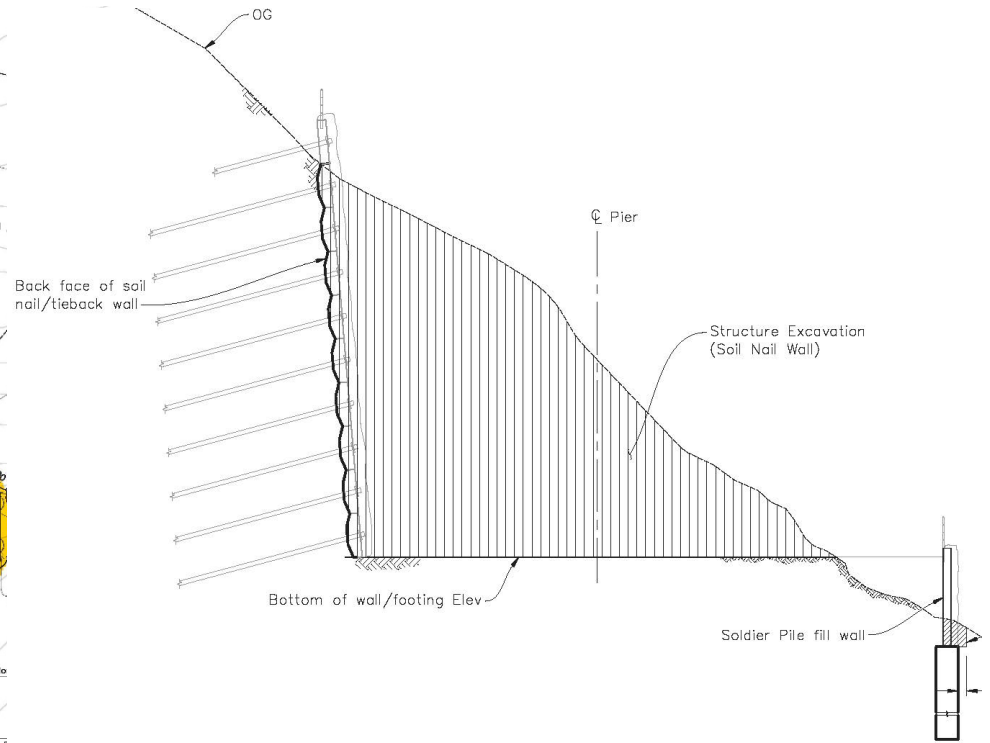
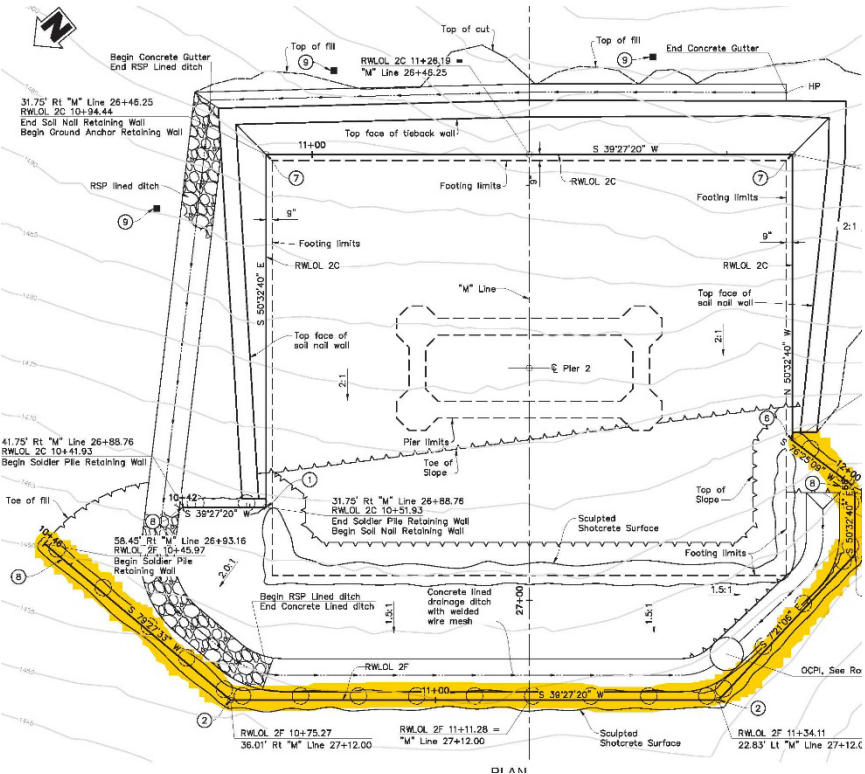
➔ Anticipated completion by November 2023





Next Phases of Work – Soldier Pile Construction at Piers

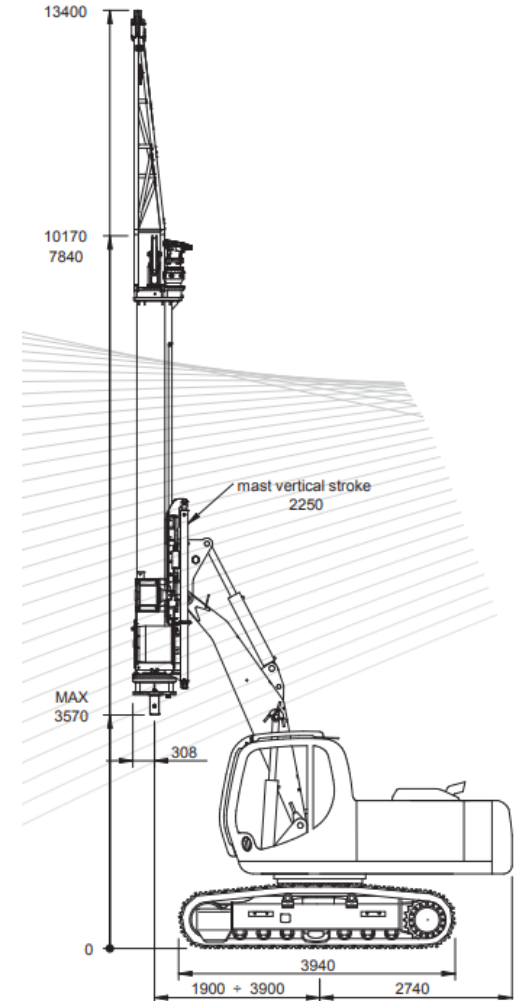
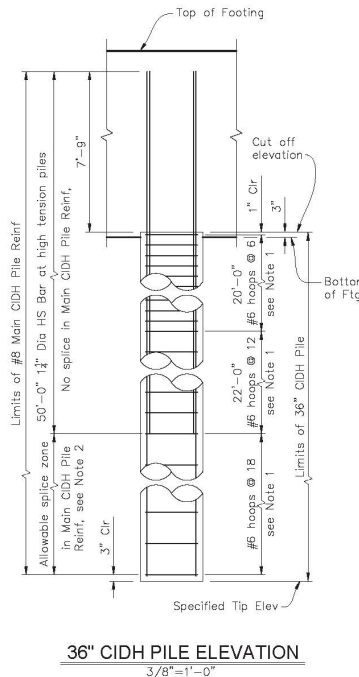
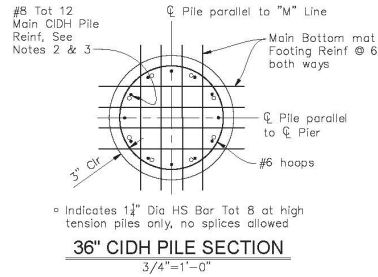
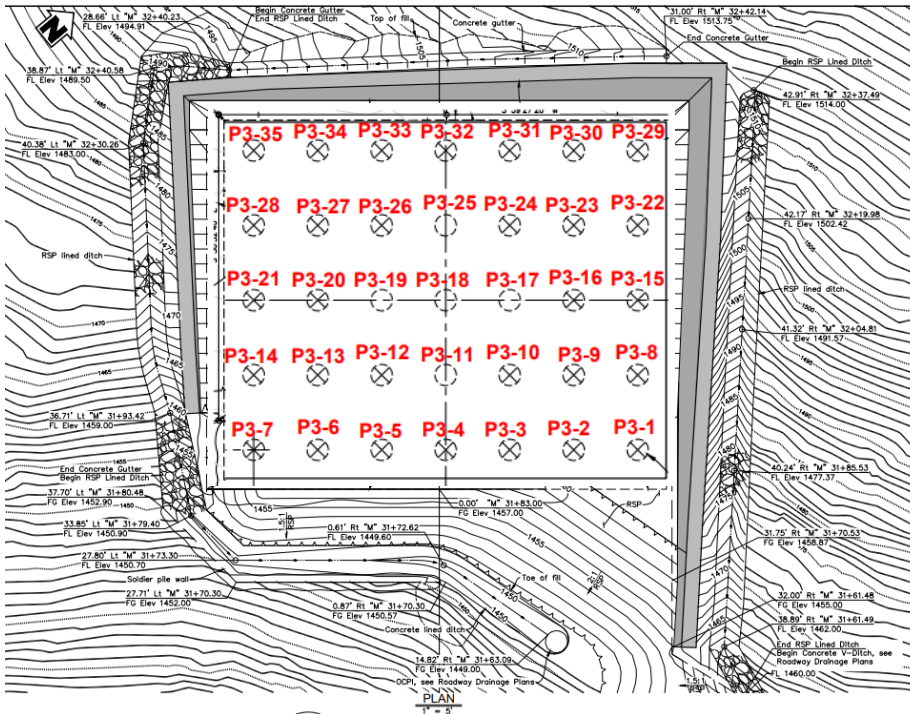
➔ Anticipated completion by January 2024





Next Phases of Work – 36" CIDH Pile Installation

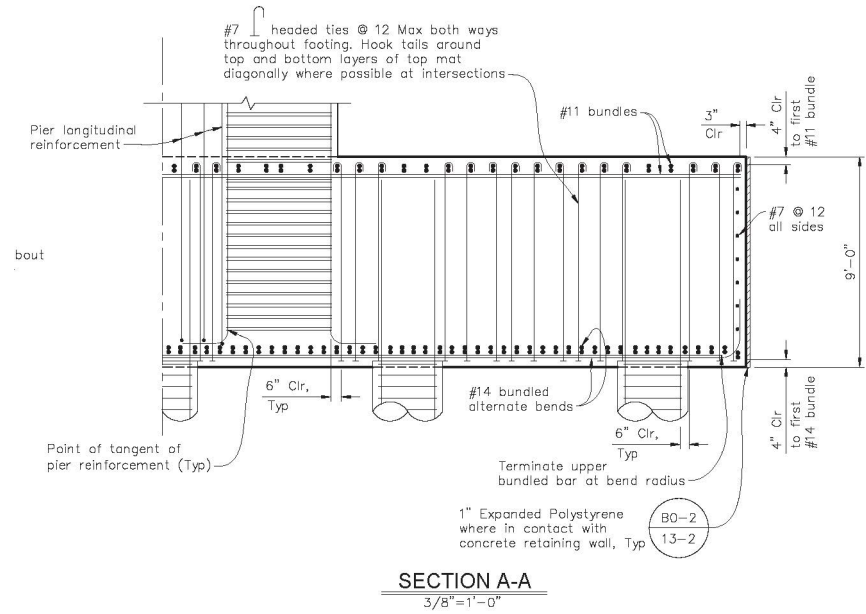
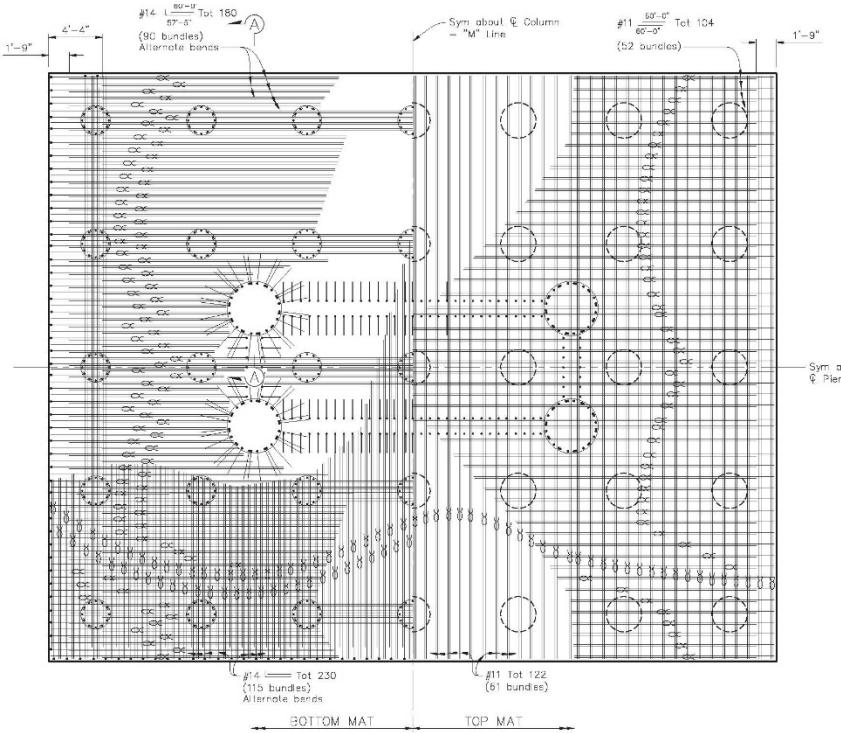
➔ Anticipated completion by January 2024





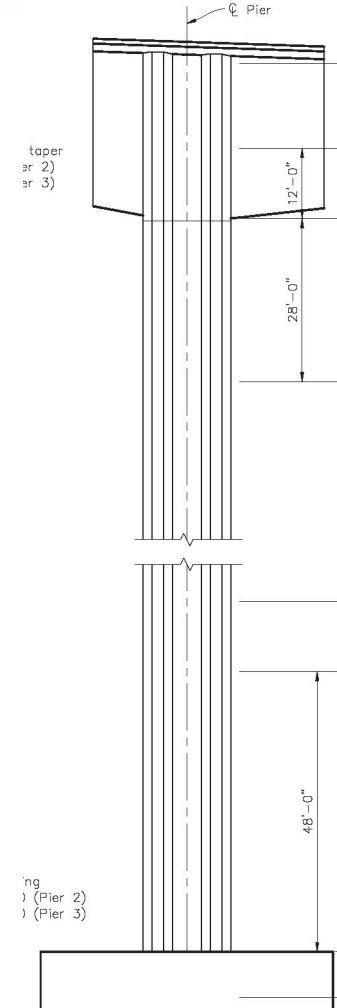
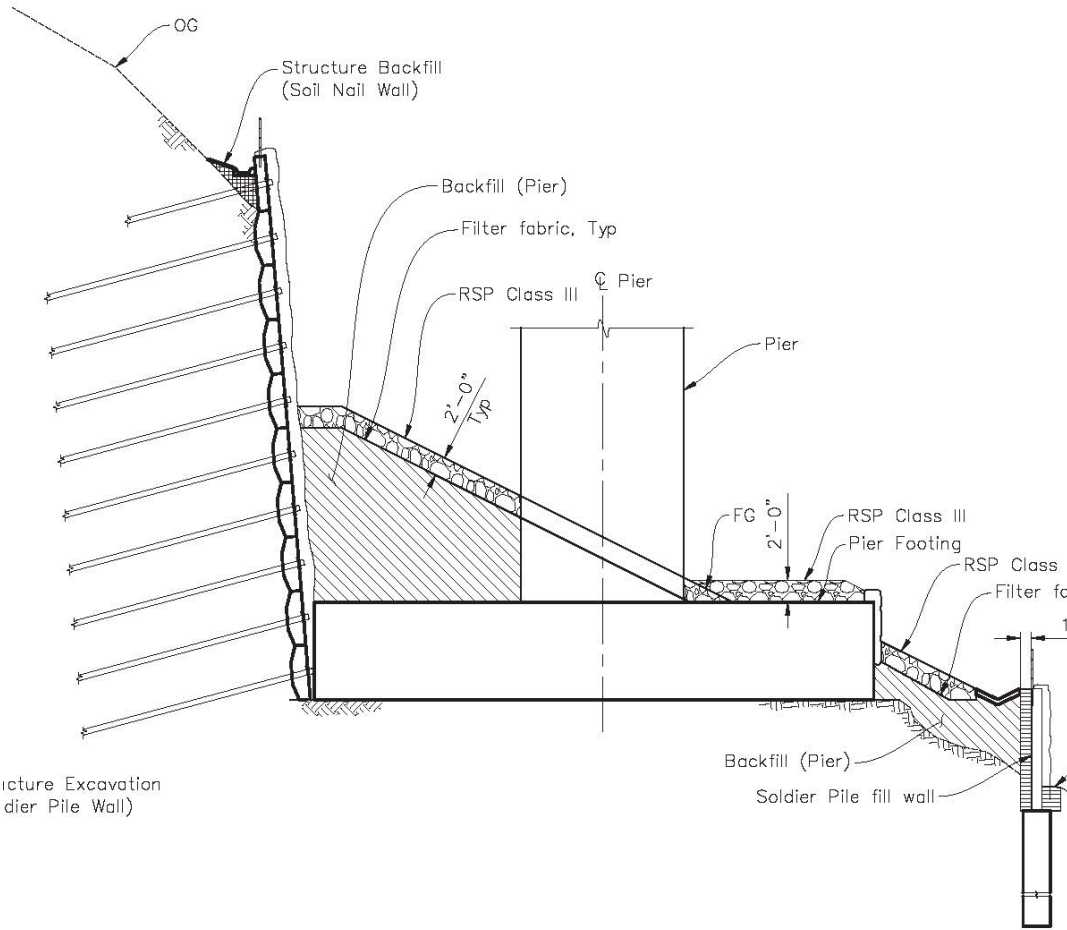
Next Phases of Work – Footing Pile Caps

➔ Anticipated completion by January 2024



Next Phases of Work – Begin Pier Column Construction

➔ Anticipated Start by February 2024





Traffic Considerations

- December 2023 – January 2024
Night/Weekend Closures for the two 1,000 Cubic Yard Concrete Placement for Pier Footings
- Large Rebar/Materials Loads & Concrete Truck Deliveries Daily - Weekly Starting the end of 2023 and continue into 2025
- Intermittent Reversing Control & Flagging
- 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





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

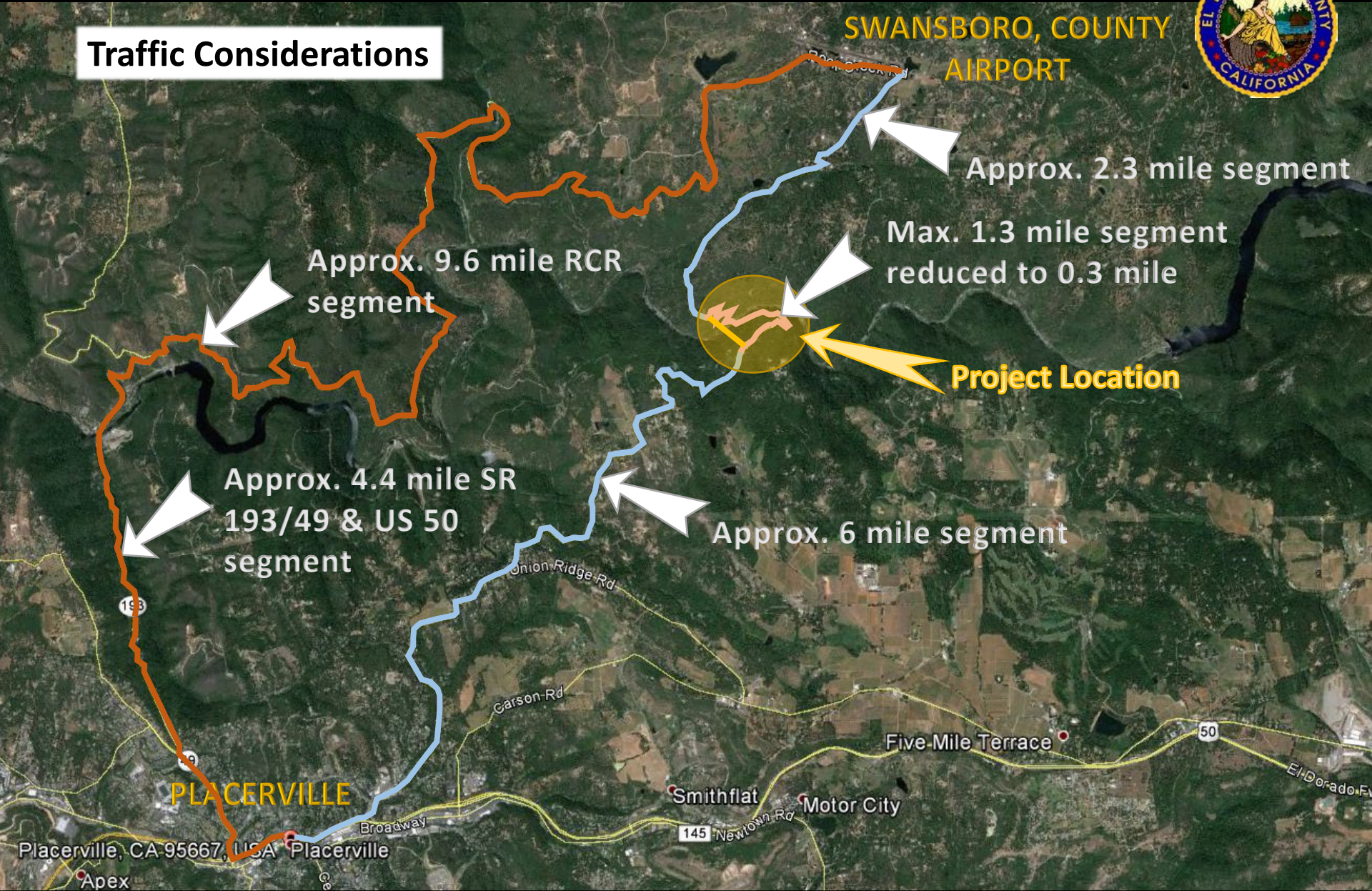
Motor City

Five Mile Terrace

145 Newtown Rd

50

El Dorado Fv





Public 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 bar 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 a breadcrumb trail (Home > Government > Department of Transportation), the project title 'Mosquito Bridge Project', and a welcome message. A photograph of the bridge is displayed. To the right, contact information is provided, including an online form, email, phone, fax, and mail address. A 'What's New' section lists several project updates with dates, such as a public meeting on April 21, 2022, and a grant opportunity presentation on September 17, 2021. The page also includes a search bar and social media icons at the top.

El Dorado County

Search El Dorado County...

Home I Want To Government Doing Business Living Visiting Emergency Services Connect With Us Phone Directory Strategic Plan Transparent EDC

Department of Transportation Menu

Department of Transportation

Home > Government > Department of Transportation

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](#)



Public Concerns Emails / Phone Calls Q&A

- Is the Contractor pulling permits for the grading performed for the Project?
 - The Contractor has performed additional grading for the Project at the laydown yard on Kona Drive and the batch plant / laydown yard on Trail Gulch Road. County Grading Ordinance Exemption D provides a grading permit exemption for, “Grading done under the supervision of a County agency for which the Board of Supervisors is the controlling body.”
- 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.
- Is it safe to use the river below the Project operations?
 - Blasting for the pier construction was completed this summer and no further blasting is anticipated at this time. County is in contact with the American Whitewater Association to communicate hazards.
- Can anything be done about the Project noise early in the morning?
 - The Contractor has installed static backup alarms on some equipment. Noise from heavy equipment will not start prior to 7:00am.



Public Concerns Emails / Phone Calls Q&A

- What can be done about Project dust?
 - Water trucks and sprinkler systems are utilized to reduce dust emission from the Project. 5 mph speed limit signs have also been placed at various locations on access roads to reduce dust. Additional measures in progress include rock stabilization on access roads and paving some of the access roads with steep heavily traveled locations.
- Why are workers / trucks speeding on Mosquito Road?
 - All workers and materials suppliers are required to abide by the 25 and 20 mph posted speed limits. This requirement is also discussed at various safety and weekly meeting with Project personnel. The traveling public should also use caution and abide by speed limits when traveling Mosquito and Rock Creek Roads.
- Can the Contractor repair potholes on Mosquito Road?
 - The Project is working with DOT Maintenance for pothole repairs during the construction. DOT Maintenance completed pothole repairs on Mosquito Road and Mosquito Cutoff Road in August 2023 – September 2023.
 - The Project also has a change order in place for assistance with emergency repairs when DOT Maintenance is busy at other locations of the County.
- 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)