



# EL DORADO COUNTY

## DEPARTMENT OF TRANSPORTATION

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## Mosquito Road Bridge Replacement Project

### Department of Transportation Construction Update #8

### August 2, 2024

The Mosquito Road Bridge Replacement Project construction has been underway since July 2022. This is the eighth quarterly construction update for the community:

### May 2024

- Completed installations of Pier 2 column reinforcing bars, interior / exterior forms, concrete placements, and cure concrete for column lift 1 (out of 8 lifts total, at approximately 24 feet each).
- Began installations of Pier 2 column reinforcing bars, interior / exterior forms for lift 2.
- Completed installations of Pier 3 column reinforcing bars, interior / exterior forms, and concrete placements for column lifts 1 (out of 8 lifts total, at approximately 24 feet each).
- Began installations of Pier 3 column reinforcing bars, interior / exterior forms for lift 2.
- Began 10-Week full closure of Mosquito Road at the gates from May 27, 2024, through August 4, 2024.

Work performed during the Mosquito Road full closure:

- Began Drainage System (DS) #4 excavation of hard rock in ditch and pipe crossing Mosquito Road.
- Continued site inspections & storm water sampling for erosion control compliance.
- Continued maintenance of storm water erosion control measures site wide.
- Continued site wide roadway sweeping as needed.
- Monitored Pier 2 & 3 inclinometers – (no slope movement).
- Continued deliveries of Project concrete, rebar, and other materials.
- Continued Project batch plant concrete supply to north CIDH pile and soldier pile operations.
- Continued intermittent flagging and traffic control for equipment and materials deliveries.



5/03/24 – Pier 2 Lift 1 Placed Concrete / Placing Rebar Lift 2



5/09/24 – Pier 2 Lift 2 Forms Stripped / Placing Concrete Cure





5/09/24 – Rescue Training at Pier 3 Trestle



5/15/24 – Pier 3 Lift 1 Concrete and Cure Placed / Lift 2 Rebar



5/15/24 – Pier 2 Lift 2 Form Placement



5/15/24 – Pier 2 Lift 2 Form Preparation at Pier 2 Trestle



5/20/24 – Pier 3 Lift 2 Form Preparation at Pier 3 Trestle



5/29/24 – Mobilize Excavator & Began DS#4 Under Full Closure

## **June 2024**

- Completed installations of Pier 2 lift 2 column reinforcing bars, interior / exterior forms, and concrete placements.
- Began installations of Pier 2 lift 3 column reinforcing bars, interior / exterior forms.
- Completed installations of Pier 3 lift 2 column reinforcing bars, interior / exterior forms, and concrete placements.
- Began installations of Pier 3 lift 3 column reinforcing bars, interior / exterior forms.
- Continued 10-Week full closure of Mosquito Road at the gates from May 27, 2024, through August 4, 2024.

Work performed during the Mosquito Road full closure:

- Completed Pier 3 Crane Boom Maintenance on Mosquito Road.
- Continued DS #4 excavate hard rock from trench at Mosquito Road crossing.
- Began installation of DS #5 down pipe anchors adjacent to Mosquito Road.
- Completed DS #8 installation.
- Continued site inspections & storm water sampling for erosion control compliance.
- Continued maintenance of storm water erosion control measures site wide.
- Continued site wide roadway sweeping as needed.
- Monitored Pier 2 & 3 inclinometers – (no slope movement).
- Continued deliveries of Project concrete, rebar, and other materials.



- Continued Project batch plant concrete supply to north CIDH pile and soldier pile operations.
- Continued intermittent flagging and traffic control for equipment and materials deliveries.



6/05/24 – View Across Canyon at Pier 3 Crane Maintenance



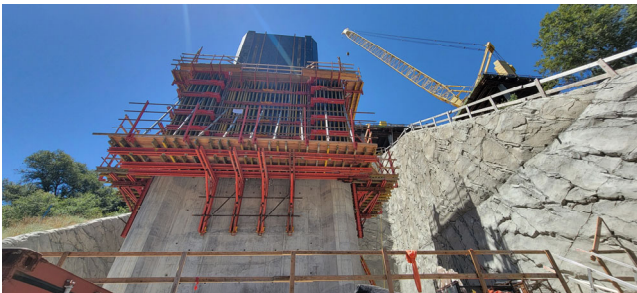
6/05/24 – Pier 2 Lift 3 Column Reinforcement Fabrication



6/05/24 - View on Alignment Looking North From Abutment 1



6/13/24 – Began DS#8 Construction on Closed Mosquito Rd.



6/13/24 – Pier 3 Lift 3 Interior Forms Placed



6/17/24 – View Dueling Cranes from Old Mosquito Bridge



6/18/24 – Placed DS#8 Inlet at Closed Mosquito Rd.



6/18/24 – Continued Pier 3 Lift 3 Rebar Placement



6/28/24 – Hard Rock Excavation at DS#4 on Mosquito Rd.



6/28/24 – Piers 2 & 3 Lift 3 Form Placement



## July 2024

- Completed installations of Pier 2 lift 3 column reinforcing bars, interior / exterior forms, and concrete placement.
- Began installations of Pier 2 lift 4 column reinforcing bars, interior / exterior forms.
- Completed installations of Pier 3 column lift 3 reinforcing bars, interior / exterior forms, and concrete placement.
- Began installations of Pier 3 lift 4 column reinforcing bars, interior / exterior forms.
- Continue 10-Week full closure of Mosquito Road at the gates from May 27, 2024, through August 4, 2024.

Work performed during the Mosquito Road full closure:

- Completed DS #4 excavation of hard rock, installation of drainage inlet at concrete lined ditch, installation and slurry backfill of 18" HDPE pipe under Mosquito Road, installation of 18" HDPE outfall pipe at concrete lined ditch, and placement of concrete ditch lining adjacent to Mosquito Road.
- Completed installation of DS #5 down pipe anchors adjacent to Mosquito Road.
- Completed installation of DS #8, Ditch Excavation, Rock Lining.
- Performed Old Mosquito Bridge Maintenance.
- Performed environmental monitoring and clearing for Abutment 4 falsework foundation investigation.
- Completed installation of time-lapse camera at Pier 3 trestle.
- Continued site inspections & storm water sampling for erosion control compliance.
- Continued maintenance of storm water erosion control measures site wide.
- Continued site wide roadway sweeping as needed.
- Monitored Pier 2 & 3 inclinometers – (no slope movement).
- Continued deliveries of Project concrete, rebar, and other materials.
- Continued Project batch plant concrete supply to north Pier 3 footing operations.
- Continued intermittent flagging and traffic control for equipment and materials deliveries.



7/08/24 – DS#4 Inlet and Pipe Placement on Mosquito Rd.



7/11/24 – Layout Road Repairs on South Mosquito Rd.



7/11/24 – DS#4 Installed Pipe & Backfill on Mosquito Rd.



7/16/24 – Replaced Structural Member on Old Mosquito Bridge





7/20/24 – Pier 3 Lift 4 Prepared Interior Forms on Trestle



7/20/24 – Began Pier 3 Lift 4 Rebar Support Placement



7/22/24 - Pier 2 Lift 4 Rebar Placement



7/24/24 – DS#4 Concrete Lined Ditch Completed



7/26/24 – DS#8 Ditch Excavation Adjacent to Mosquito Rd.



7/30/24 - DS#8 Installation of Rock Ditch Lining

## **August - October 2024 Anticipated Work**

- 448 of 700 (64.0%) Project working days complete through the update date.
- Complete installation of Pier 2 soldier pile retaining wall lagging and structure backfill.
- Complete drainage ditches adjacent to Pier 2 ground anchor / soil nail retaining walls.
- Complete installation of Drainage System #7 outlet below Pier 2 soldier pile retaining wall.
- Complete installations of Pier 2 column reinforcing bars, interior / exterior forms, and concrete placements for column lifts 4-7 (out of 8 lifts total, at approximately 24 feet each).
- Begin installation of Pier 2 column reinforcing bars, interior / exterior forms for lift 8.
- Complete structure backfill of soil nail & soldier pile retaining wall at Pier 3.
- Complete drainage ditches adjacent to Pier 3 ground anchor / soil nail retaining walls.
- Complete installations of Pier 3 column reinforcing bars, interior / exterior forms, and concrete placements for column lifts 4-7 (out of 8 lifts total, at approximately 24 feet each).
- Begin installations of Pier 3 column reinforcing bars, interior / exterior forms for lift 8.
- Finish 10-Week full closure of Mosquito Road at the gates from May 27, 2024, through August 4, 2024.

Work scheduled during the Mosquito Road full closure:

- Adjust time-lapse camera at Pier 3.
- Complete ditch excavation and rock lining adjacent to Mosquito Road.
- Complete temporary DS #4 trench paving for Mosquito Road opening.

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- Site cleanup and safety checks for Mosquito Road opening.
- Open Mosquito Road early to Public Traffic at 3:00 pm on August 3, 2024.
- Complete road repairs on south Mosquito Road and Mosquito Road within Project Limits.
- Continue to monitor Pier 2 & 3 inclinometers.
- Continue supplying north Project with batch plant concrete for Pier 3 construction.
- Continue intermittent flagging and traffic control for equipment and materials deliveries.
- Continue receiving Project equipment and materials.
- Continue inspection and maintenance of storm water erosion control measures as needed.
- Continue water quality sampling and testing of Project runoff as needed.

