

# ROAD 27 OVERCROSSING PROGRESS UPDATE

Joe Hedges, Chief Operating Officer

October 15, 2020



# CURRENT STATUS

- **Authority and BNSF review of additional root-cause analysis**
- **Recent girder B & D strand failures confirmed as stress corrosion cracking**
- **Clearing ducts**
- **Completion Plan approval - BNSF coordination**
- **Girder C strand failure**
- **BNSF Moratorium, November 1, 2020 to January 1, 2021 – Contingency planning**



# STRUCTURE MILESTONES

Activity	Status
Engineer of Record (EOR) Certification of Girder/Bridge Design Life	Complete
WJE, Inc., Root Cause Analysis	Complete
EOR Girders Inspection	Complete
Madera Valley Water Company Agreement Executed	In-Progress
Complete Pre-Work Plan	Complete
BNSF Approval of Repair Plan	In-Progress
BNSF Moratorium Nov 14, 2020 – Jan 1, 2021	Pending
Strand Replacement in All Girders (Tendons 3, 4 & 5)	Pending
Complete Deck	Pending
Strand Replacement (Tendons 1 & 2) and Grouting	Pending
Open Road 27 to Traffic	Summer 2021



# QUALITY CONTROL ACTIONS

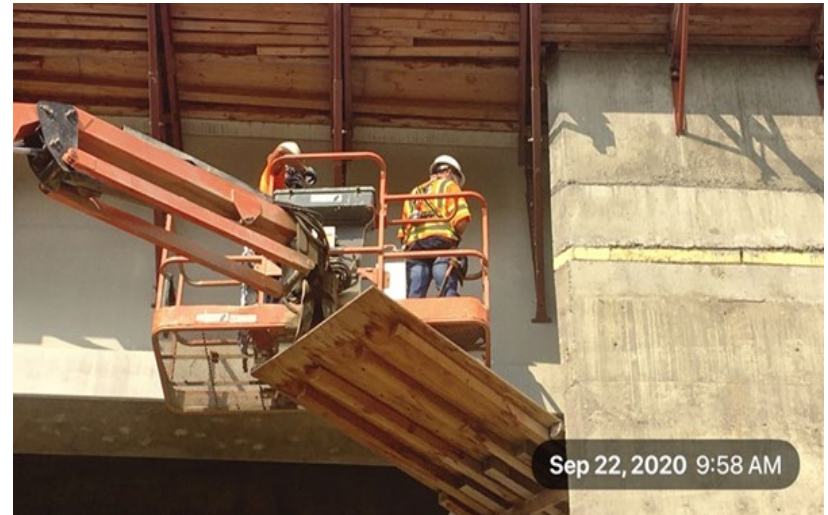


Removal of strands for tagging and inspection from WJE

- ✓ Daily strand checks
- ✓ Removed recent broken strands and replace. Performing further analysis to verify root cause.
- ✓ Test to identify/verify possible source of water intrusion
- ✓ Full-time on-site superintendent and quality inspector assigned during all repair work
- ✓ Additional independent expert analysis of additional damaged strands

# QUALITY OVERSIGHT

- ✓ Provided explicit guidance to TPZP and Project Construction Management (PCM), on standards for quality review and structures
- ✓ Enhanced PCM Quality Team
- ✓ Reassigned State Principal Engineer to lead Construction Quality Team
- ✓ Added PCM quality inspectors to Construction Package 1 Team
- ✓ Added two Caltrans quality control engineers for expertise and assistance with quality reviews, one additional engineer to come in November



California High Speed Rail Authority & PCM performing ongoing bridge inspection for Road 27



# AUTHORITY COMMITMENT



**Top Priorities:**  
Structurally Sound  
Communication with Community  
Quality Oversight



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CALIFORNIA HIGH-SPEED RAIL



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