

ROAD 27 OVERCROSSING PROGRESS UPDATE

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January 21, 2021



KEY CONSTRUCTION ACTIVITY SEQUENCE

(POST MORATORIUM)

- Replace Stage 1 Tendons
- Monitor girder cracks (1st Check)
- Inject 1st dose of corrosion inhibitor
- Deck Pour
- Monitor girder cracks (2nd Check)
- Inject 2nd dose of corrosion inhibitor
- Install and tension Stage 2 Tendons
- Grout all Tendons
- Monitor girder cracks (3rd Check)
- Repair girder cracks
- Install Comcast line
- Install Madera Valley Water Company water line
- Excavate roadway
- Import/Compact Northern embankment
- Import/Compact Southern embankment
- Install barriers
- Import subgrade and base
- Install landscaping and signage
- Place asphalt
- Construct guard rails
- Road striping



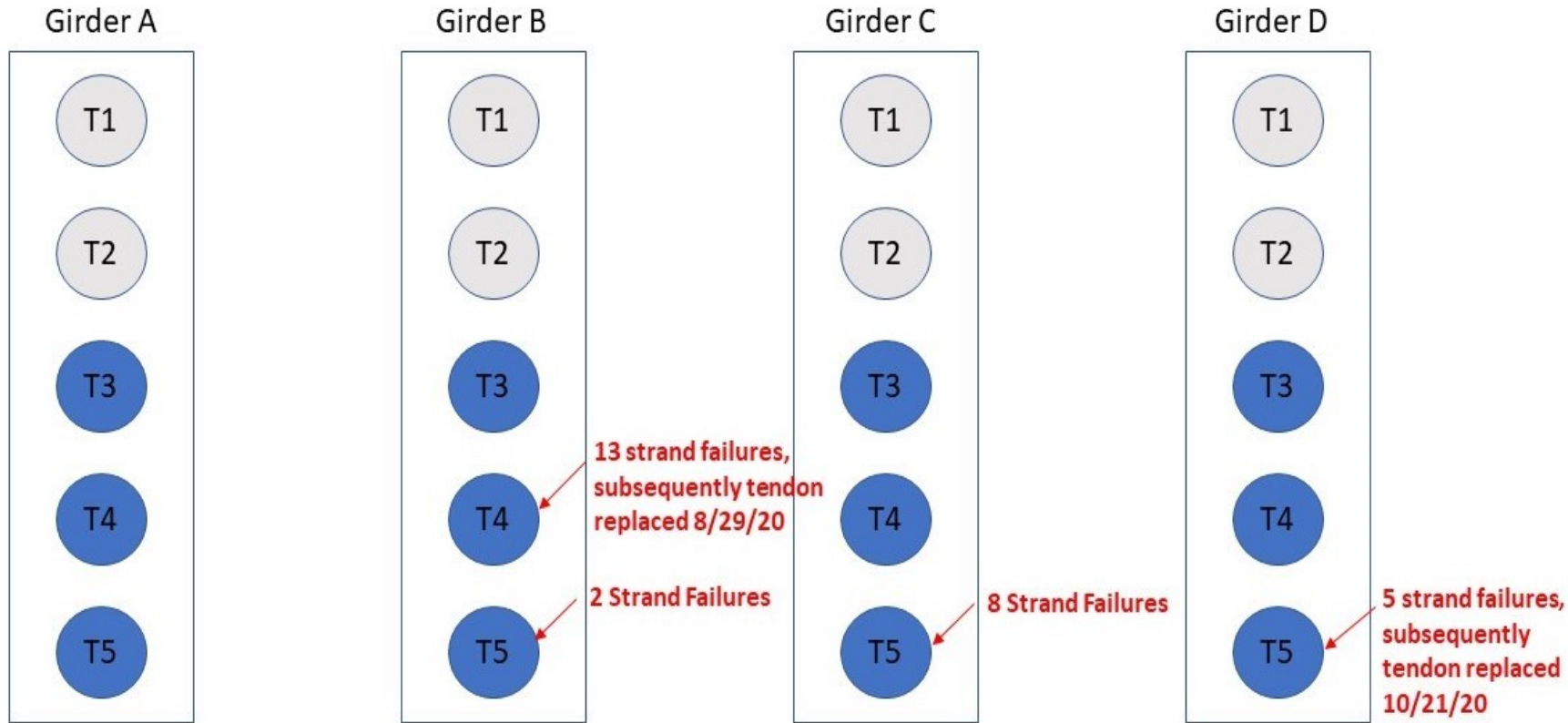
STRUCTURE MILESTONES

Activity	Status
Madera Valley Water Company Agreement Executed	In-Progress
Complete Pre-Work Plan	Complete
Complete Tendon Replacement (B4 and D5)	Complete
BNSF Approval of Repair Plan	Complete
BNSF Moratorium Nov 21, 2020 – Jan 1 , 2021	Complete
Winterize structure successfully – no water in ducts	Complete
Crack Monitoring Plan	Complete
Pre-construction workshops and execution checklist	Complete
Mobilization and pre-work	Complete
Strand Replacement in All Girders (Tendons 3, 4 & 5)	In-Progress
Complete Deck	Pending
Strand Installation (Tendons 1 & 2) and Grouting	Pending
Open Road 27 to Traffic	Summer 2021



CURRENT STRAND STATUS

- 28 strand failures 8/13/20 – 01/18/21 (3 additional failures in Girder C, T5)

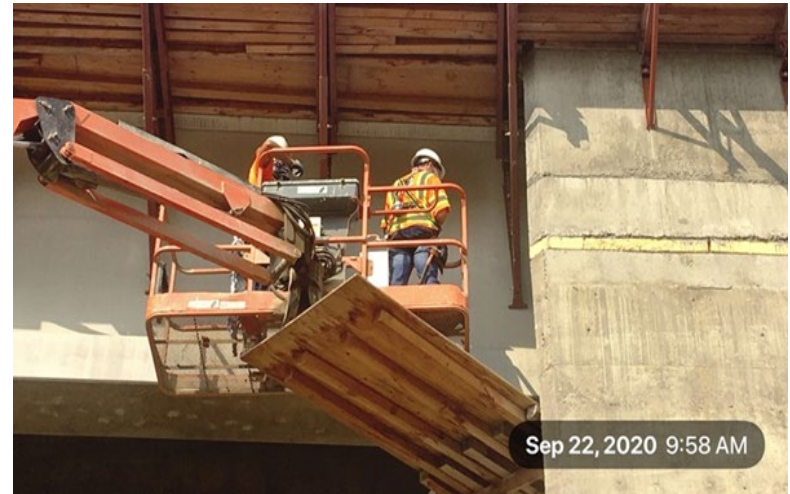


Abutment # 1 (South Abutment looking North)



QUALITY OVERSIGHT

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



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

- ✓ Using Execution Checklist – updated daily and includes Hold Points and injections of corrosion inhibitor (two doses)
- ✓ All plans, specifications, Inspection & Testing Plan on site
- ✓ Test new strands to be installed



AUTHORITY COMMITMENT



Top Priorities:
Structurally Sound
Communication with Community
Quality Oversight



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