

Bridge 284.2 Rehabilitation

Project Scope

The Alaska Railroad Corporation (ARRC) proposes to rehabilitate the 914-foot nine-span bridge crossing Hurricane Gulch at ARRC milepost 284.2, about equidistant from Talkeetna to the south and Denali to the north.

The bridge is a steel structure consisting of a 384-foot main arch span with truss and girder approach spans on either side.

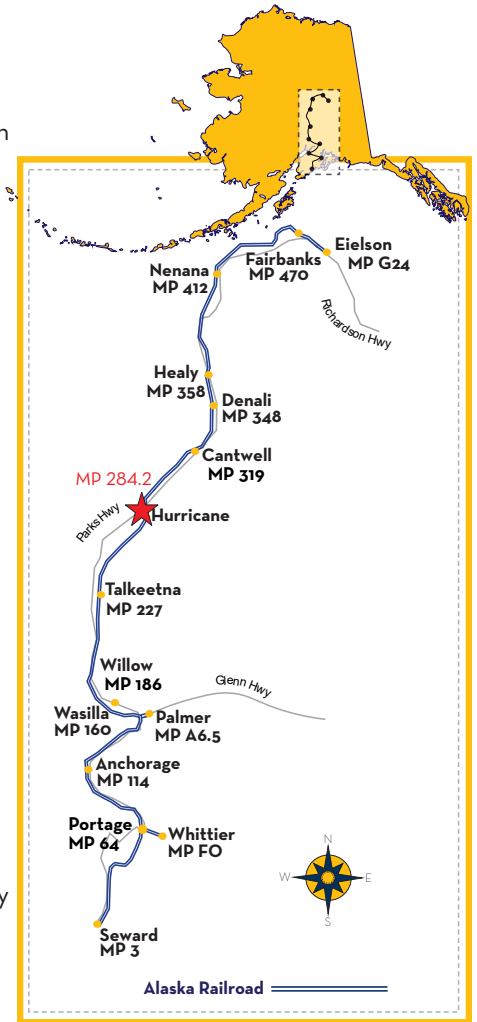
The project proposes targeted repair and rehabilitation work on aging components (refer to the drawings on the page 2). This work consists of:

- rehabilitate the 384-foot deck arch span
- realign or replace the expansion bearings at piers 2 and 5
- repair spalling concrete at existing foundations
- install maintenance and inspection platforms
- secure piers 3 and 4 into the existing slopes with rock bolt anchors
- stabilize the south canyon wall to mitigate future erosion
- stabilize the eroding channel along the southwest corner of abutment 1

Purpose and Need

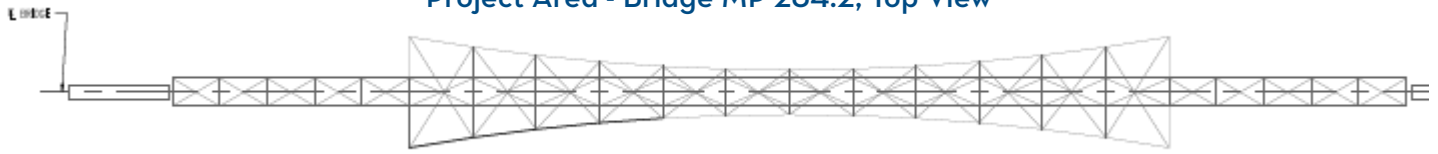
The project's rehabilitation activities will maintain bridge safety and load capacity, enhance the stability of the track infrastructure, and extend the useful life of the bridge.

This effort will help ensure railroad infrastructure remains

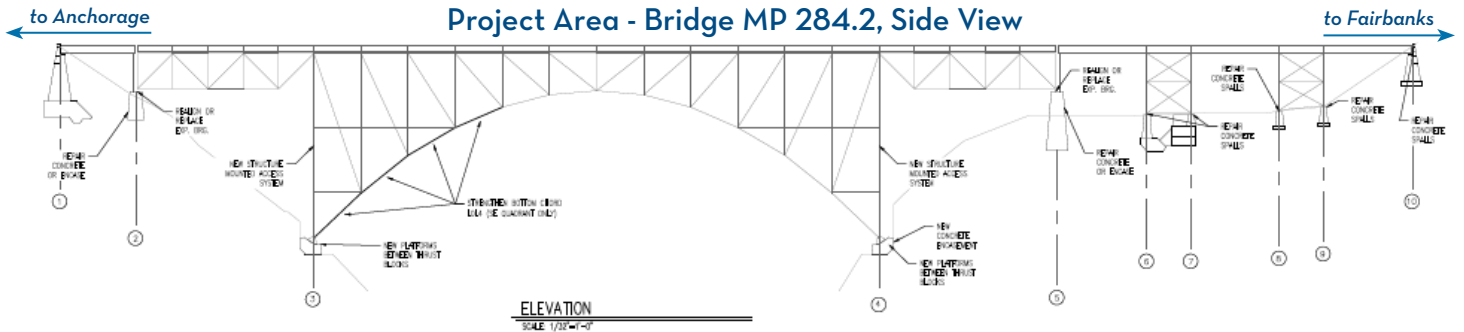


The 914-foot steel bridge spans Hurricane Gulch at ARRC milepost 284.2, about 60 miles south of Denali.

Project Area - Bridge MP 284.2, Top View



Project Area - Bridge MP 284.2, Side View



in a state of good repair. The integrity of bridge infrastructure ensures the safety and reliability of rail operations to meet business demands. General bridge rehabilitation benefits are outlined in the current *Bridge Program* fact sheet.

Status

- Preliminary studies, environmental reviews, design and permitting began summer of 2022.
- The project is 30% designed. The project team is preparing environmental review documentation to meet National Environmental Policy Act (NEPA) requirements. In 2024, NEPA documents will be submitted to the Federal Transit Administration (FTA) for review.
- Project construction to be bid in the first quarter of 2025.
- Construction to begin third quarter 2025 and continue into the third quarter of 2026, with completion by the end of 2026.

Cost and Funding

The project is estimated to cost \$23.0 million. Funding is anticipated to be 80% FTA formula funds with a required 20% match from ARRC.

More Information

For more project information, email to Public_Comment@akrr.com. The ARRC Bridge Program fact sheet is available at AlaskaRailroad.com > Corporate > Projects (look under *Systemwide Projects*).



The top deck of the bridge at ARRC milepost 284.2 crossing the sizeable Hurricane Gulch.



Since completion in 1921, Hurricane Gulch Bridge has relied upon sturdy steel piers to navigate a rugged and plunging ravine. Pictured is the west-side girder detail, looking south.