

# Bridge 54.1 Rehabilitation

## Project Description

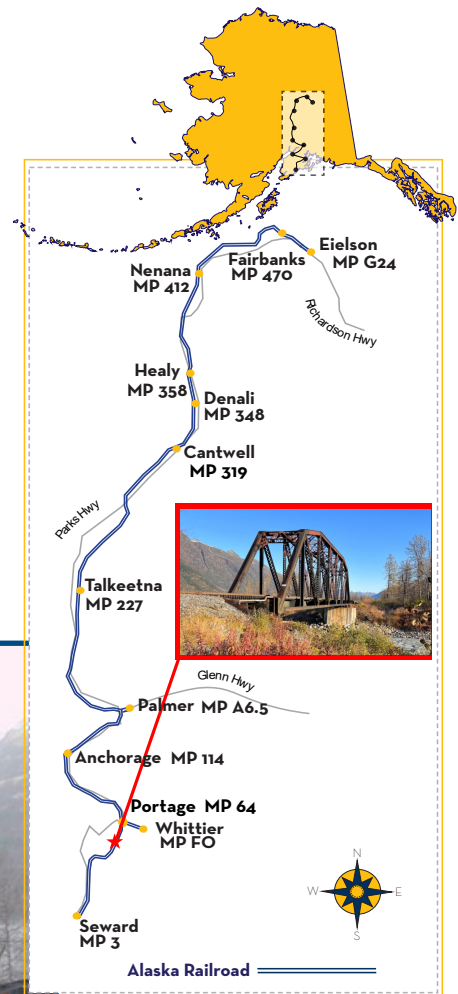
The Alaska Railroad Corporation (ARRC) is proposing the rehabilitation of the bridge located at milepost (MP) 54.1 of the mainline which crosses the Placer River. This project is necessary to keep the bridge in a state of good repair. This project will rehabilitate critical structural components, piers and bearings of the 200-foot thru truss structure and completely replace the four (4) 15-foot timber approach spans with two steel beam spans and abutments. This work is necessary to ensure the overall safety and reliability of this critical infrastructure.

## Project Scope

The project will rehabilitate various elements of the main 200-foot thru truss structure and replace four (4) 15-foot timber approach spans. Project work will include:

- Strengthening of the existing thru truss,
- Replacing tie deck and adding walkway with handrail,

- Encasing the piers to address and prevent cracks, spalling and efflorescence,
- Add scour protection as required, and
- Replacing broken rivets with high strength bolts.
- Removal of existing timber spans and bents,



Left: Bridge 54.1 crosses the Placer River downstream of Spencer Lake and Spencer Glacier. Right: Spencer Glacier and Spencer Lake.

# PROJECT FACTS

- Installation of sheet pile bulkheads, new approach span bents and steel ballast deck approach spans.

## Benefits

Bridge rehabilitation will address and improve the following conditions:

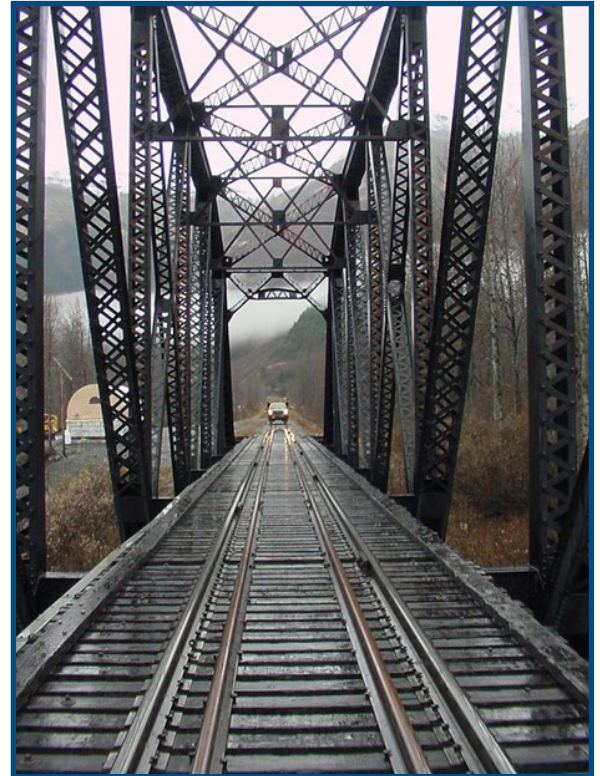
- Improve overall track stability and operating safety,
- Reduce ongoing cost to maintain bridge infrastructure,
- Reduce erosion and scour.

## Status

- Environmental review, preliminary engineering and permitting is underway.
- Upon National Environmental Policy Act (NEPA) approval, final design and permitting will be completed; then ARRC will solicit a construction contractor to complete the work.
- Construction is anticipated to begin in fall 2025.
- Project completion is expected by spring 2026.

## Cost and Funding

The project is expected to be funded by a Federal Transit Administration (FTA) grant with a 20% match by ARRC.



Bridge 54.1 tie deck will be replaced and a walkway with handrail will be added.

## More Information

For more information or comment, email the Alaska Railroad at [Public.Comment@akrr.com](mailto:Public.Comment@akrr.com). The ARRC Bridge Program fact sheet is available online at [AlaskaRailroad.com](http://AlaskaRailroad.com) > Corporate > Projects (look under Systemwide Projects).

