

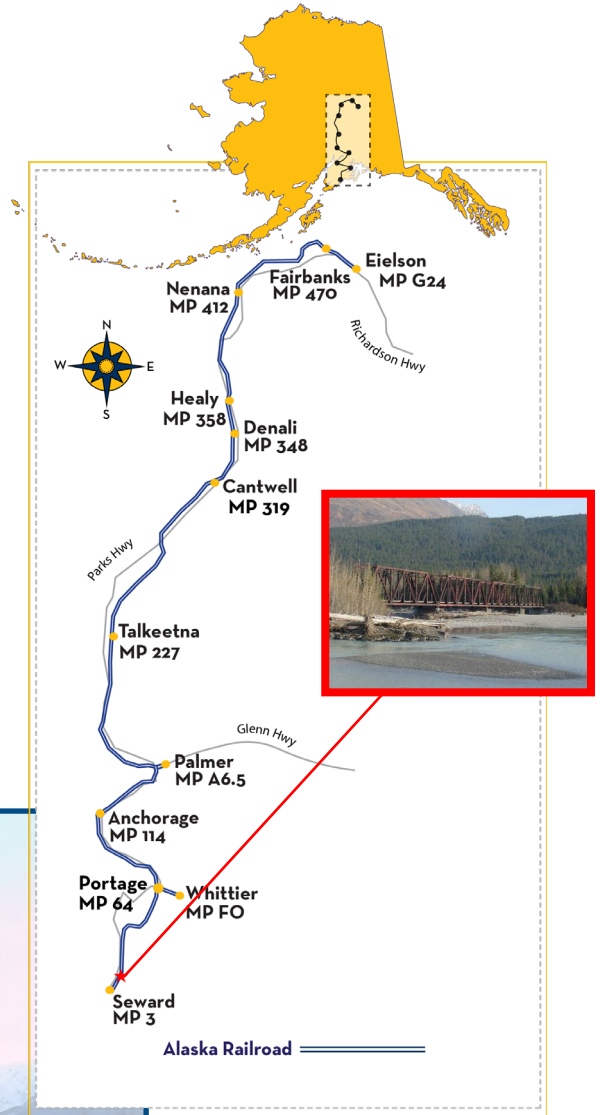
Bridge 14.5 Rehabilitation

Project Description

The Alaska Railroad Corporation (ARRC) is proposing the rehabilitation of the bridge located at milepost (MP) 14.5 of the mainline, spanning the main channel of the Snow River, north of Seward, AK. This effort will help ensure railroad infrastructure remains in a state of good repair and is necessary for the overall safety and reliability of this critical infrastructure. The existing 729-foot bridge, originally erected in 1957, consists of four (4) 150-foot through truss spans, three (3) 28-foot-long ballast deck steel I-beam approach spans and one (1) 28-foot-long open deck steel I-beam approach span. This project is expected to rehabilitate the four (4) through truss spans, completely remove two (2) steel I-beam spans and replace the remaining spans with steel ballast deck spans, as well as raise the track and structure 3.8-feet in order to mitigate damages from seasonal flooding and jökulhlaups (glacial lake outbursts) along the Snow River.



Bridge 14.5 crosses the Snow River. Rehabilitation plans for the bridge includes removal of two existing spans from the southern approach.



Project Area Map



Project Scope

- Rehabilitate four (4) 150-foot through truss spans by strengthening members, replacing gussets, riveted connections, stringers and truss members as required.
- Replace tie deck.
- Remove two (2) existing spans from the approach.
- Replace remaining southern and northern approach spans.
- Install trainman's walkway for maintenance personnel safety.
- Armor abutments and existing piers to address scour issues.

Track Raise

To accommodate the glacial outburst flooding events along the Snow River floodplain corridor, approximately 3,900-feet of existing track will be raised throughout the corridor. The height of the track raise will vary along the corridor with a maximum raise of approximately 3.8-feet.

Benefits

Bridge rehabilitation will address and improve the following conditions:

- Improve overall track stability and operating safety.
- Reduce ongoing costs to maintain the aging bridge infrastructure.
- Improve hydraulic conditions at the bridge.

Status

- Environmental review and project design 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 2027.
- Project completion is expected by fall 2029.

Funding

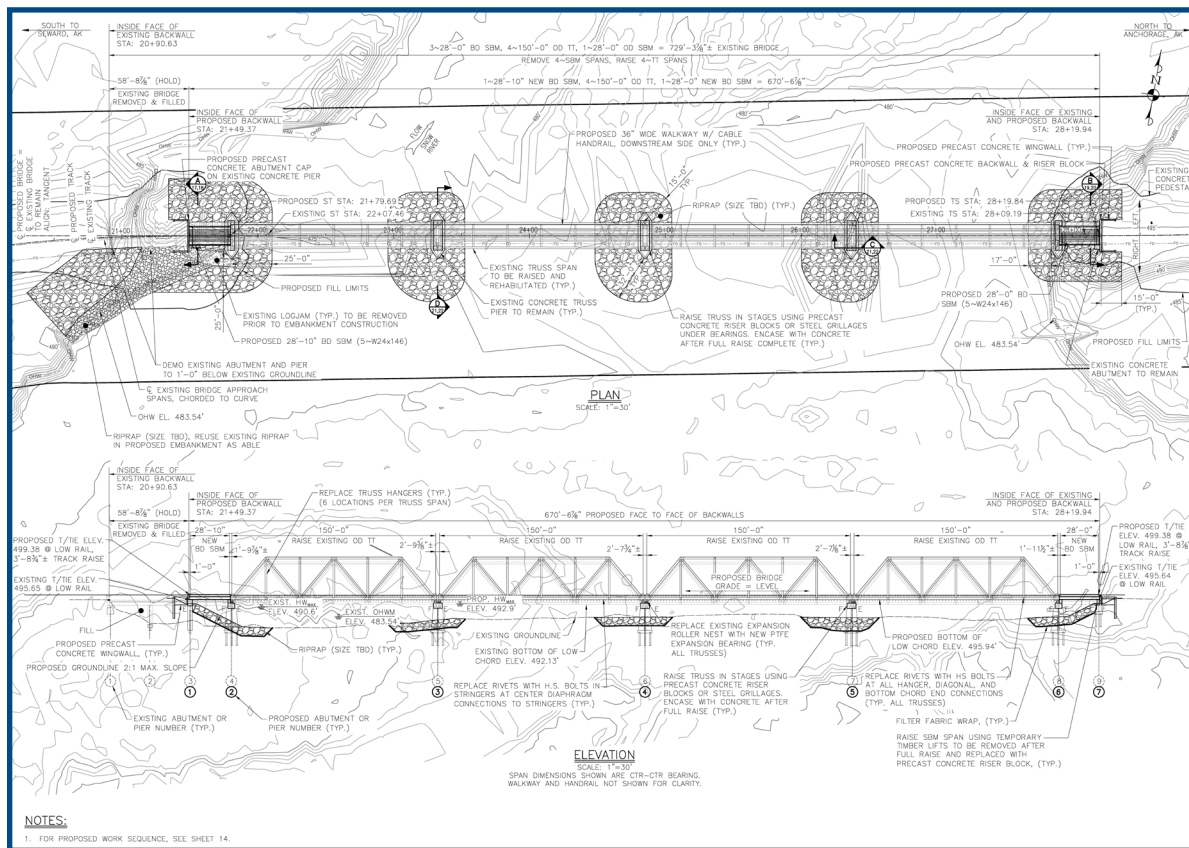
The project is expected to be funded 80% by the Federal Transit Administration (FTA) with the required 20% match by ARRC.

More Information

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



Bridge 14.5 will have the tie deck replaced, replace broken rivets with high strength bolts and install a trainman's walkway for maintenance personnel safety.



Bridge 14.5 Site Plan, Cross section and profile views.