

MP 199.0 Flood Mitigation

Project Description

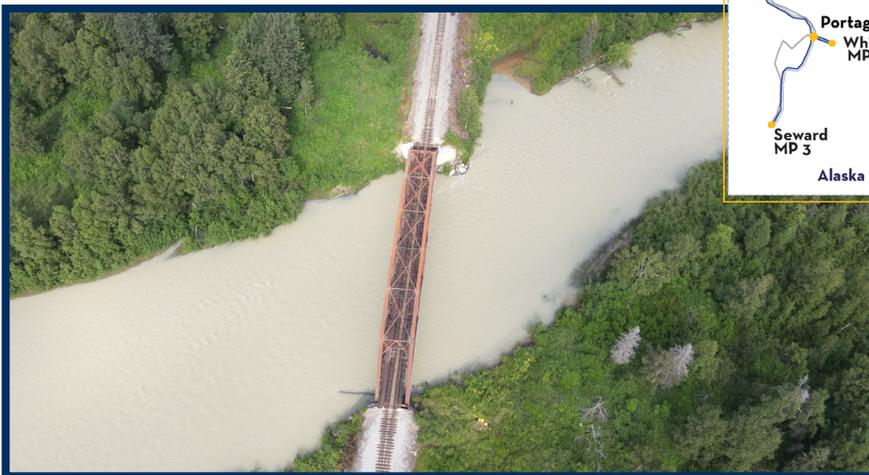
The Alaska Railroad Corporation (ARRC) proposes flood mitigation measures at ARRC Milepost (MP) 199.0 (Kashwitna River).

The Kashwitna River is eddying along the north bridge abutment and moving north along the track embankment which is causing a significant amount of erosion.

This Flood Mitigation project will protect the track embankment and the abutment by placing rip rap along the east embankment and base of the north bridge abutment. Using rip rap as flood protection is a cost-effective method of protection, providing both durability and longevity to the areas threatened by erosion. Existing vegetation would be maintained to the extent possible with revegetation efforts implemented after the rip rap is installed.

The two proposed measures to ease flooding and embankment scour include:

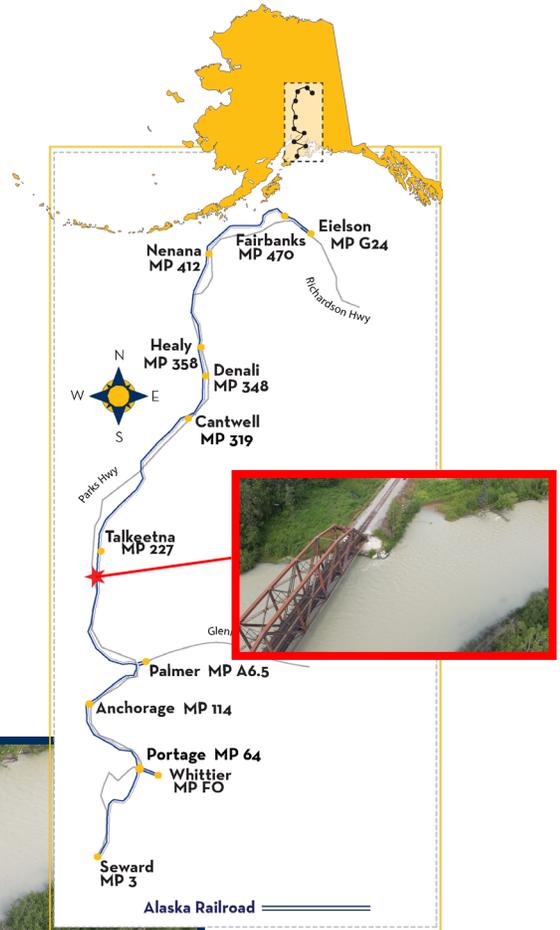
- Place rip rap along the raised track embankment to protect it from flood damage.
- Place a rip rap curtain wall along the Northeast embankment starting at the bridge abutment and extending approximately 150' up river.



River eddying along the north abutment of bridge at MP 199.0 that crosses the Kashwitna River.

Purpose and Need

This effort will help ensure railroad infrastructure remains in a state of good repair. The integrity of the track and bridge infrastructure ensures the safety and reliability of rail operations.



Benefits

Flood mitigation efforts will:

- Improve operational efficiency.
- Eliminate the potential need for trains to slow speeds while crossing the affected area.
- Reduce the likelihood of service interruption due to degraded track and bridge abutment conditions.

Status

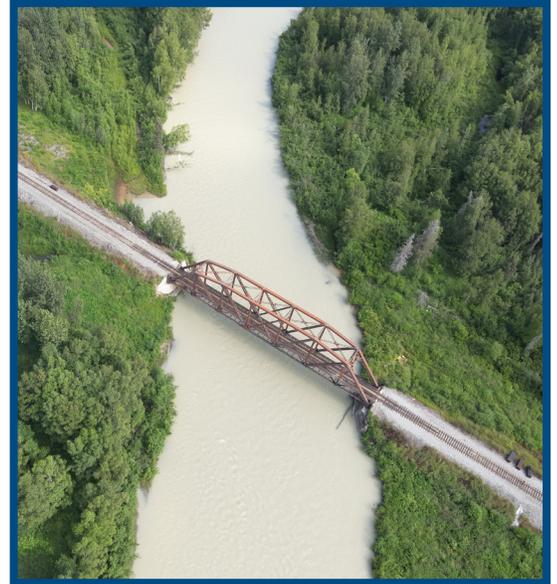
- Preliminary project studies, environmental reviews, and design will be conducted in 2025. The project is currently 15% designed.
- Project projected to be bid fall of 2026 with construction projected to begin third quarter 2026 and will continue into 2nd quarter of 2027.
- Project estimated to be complete by end of 2027.

Cost and Funding

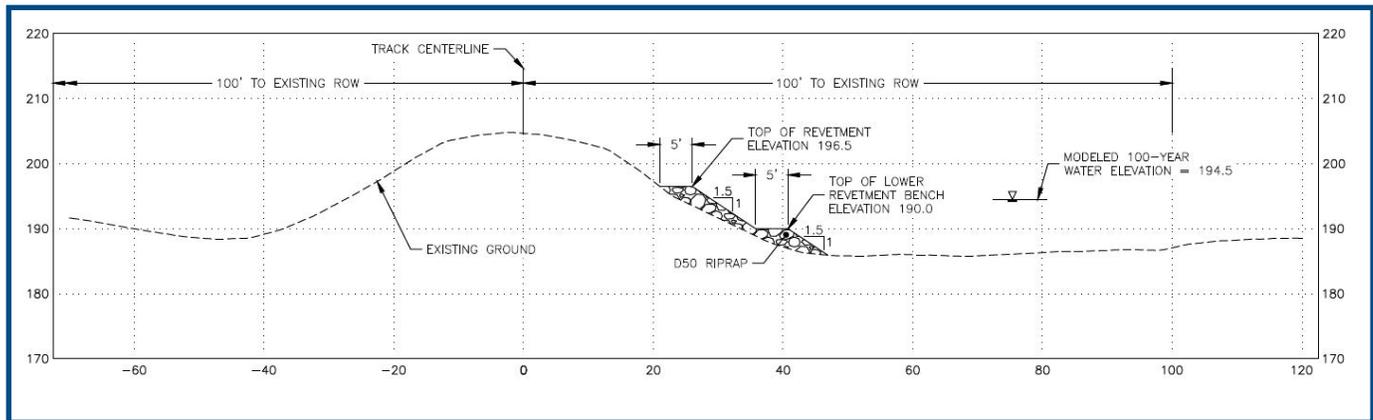
The project construction cost is estimated to be about \$2.9 million. ARRC is seeking federal grant funding, including Federal Transit Administration (FTA) program funds. The required 20% grant matching contributions could be funded by ARRC.

More Information

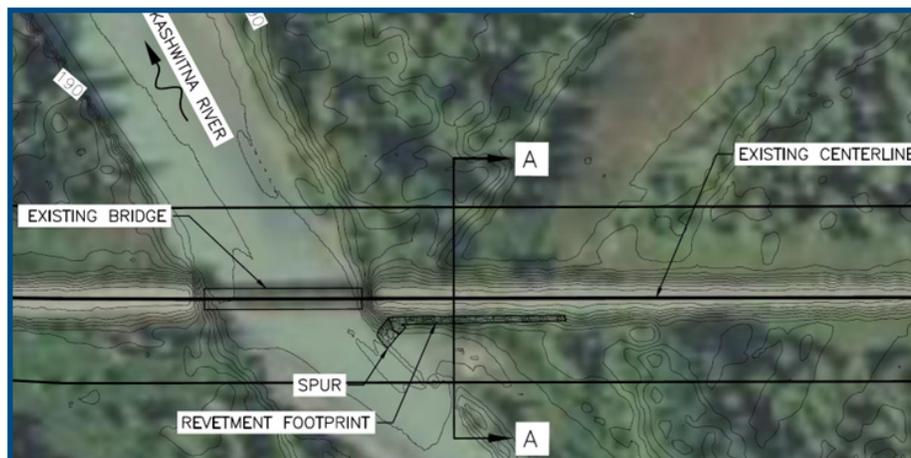
For more information or comment, email the Alaska Railroad at Public_Comment@akrr.com.



Kashwitna River erosion at MP 199.0.



Profile view of proposed riprap revetment.



Proposed flood mitigation worksite at MP 199.0.