

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.

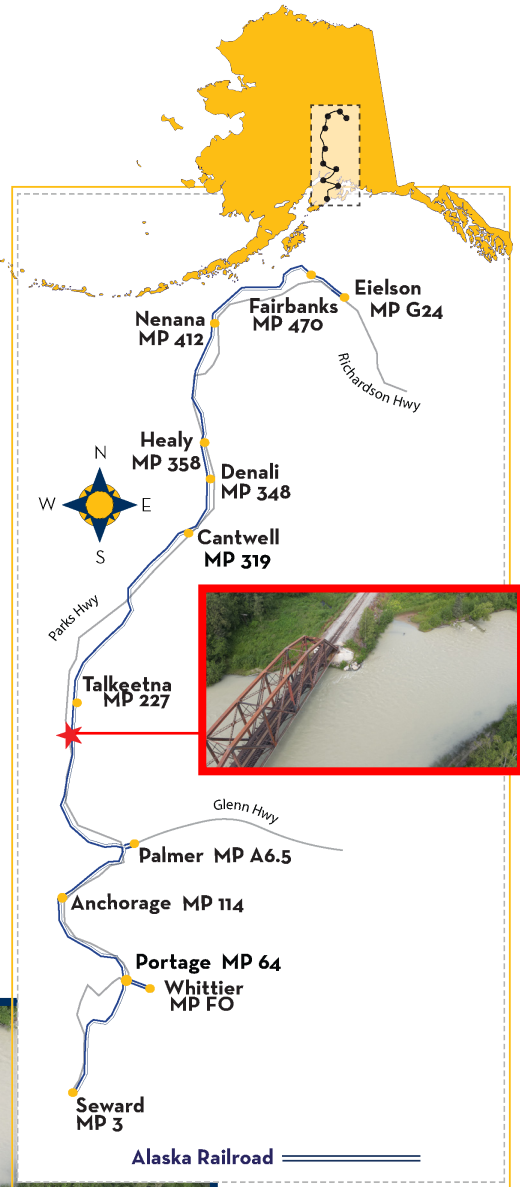
This Flood mitigation project will protect the track embankment and the abutment by placing riprap along the east embankment and base of the north bridge abutment. Using riprap as flood protection is a cost-effective method of protection, providing both durability and longevity to the areas threatened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

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

- Place riprap along the raised track embankment to protect it from flood damage.
- Place a riprap 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

Mitigation efforts 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 Environmental studies were conducted in 2023. Geotechnical drilling will be conducted in 2025. The project is currently 15% designed.
- Project is projected to be bid fall of 2026 with construction to begin in late 2026 and will continue into mid-2027
- Project estimated to be complete by end of 2027.



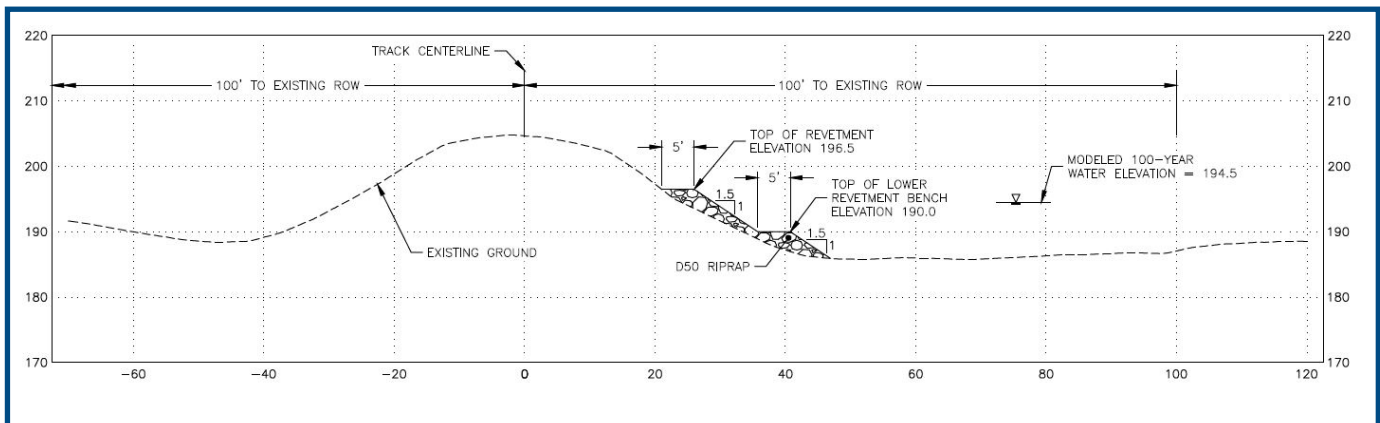
Kashwitna River erosion at MP 199.0.

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.



Side view of proposed riprap revetment.