

Healy Canyon Stabilization

Project Description

The Alaska Railroad Corporation (ARRC) proposes a series of right-of-way stabilization projects in Healy Canyon, which lies between Denali Park (ARRC Milepost 344) and Healy Access Road (ARRC MP 361). Railroad tracks follow the Nenana River along the canyon corridor.

Purpose and Need

A comprehensive review of the current retaining wall inventory was completed in 2021. This review allows ARRC to prioritize limited funding, targeting walls that are in the most need of replacement. The first four walls have completed preliminary engineering and are anticipated to go into construction 2026-2028. The proposed work will occur in Healy Canyon:

- MP 354.94 - repairs to Wall 36 which include sheet pile wall shored up with grouted soil anchors.
- MP 354.96 - repairs to Wall 38 which include sheet pile wall shored up with grouted soil anchors.
- MP 355.22 - repairs to Wall 41 which include sheet pile wall and waler wall shored up with grouted soil anchors.
- MP 355.27 - repairs to Wall 42 which include sheet pile wall and waler wall shored up with grouted soil anchors.

Project Benefits

- Enhanced safety - Stabilization will improve overall track stability and operating safety; and
- Reduce the cost of transportation operations and maintenance activities
- Enhance reliability - Design/replacement of the retaining walls will help ensure infrastructure can

meet current and future demands for passenger and freight rail business.

- Fiscal accountability - Well researched planning for this effort allows ARRC to best allocate limited resources to address maintenance items with the potential to negatively impact rail operations.



Wall 36 near the right edge of the photograph.



Wall 38 is left running parallel to the tracks.



Wall 41 existing pilings.



Wall 42 uphill side of the tracks showing a single split piling.

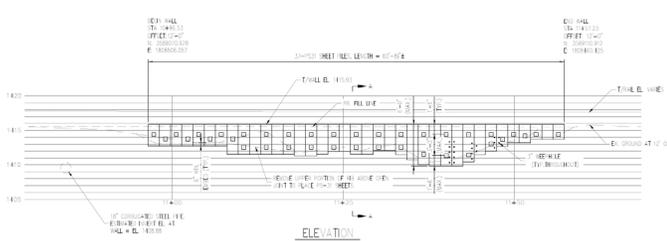
Cost and Funding

The project is 100% funded through final design with Federal Transit Administration (FTA) Coronavirus Aid, Relief and Economic Security (CARES) act funds.

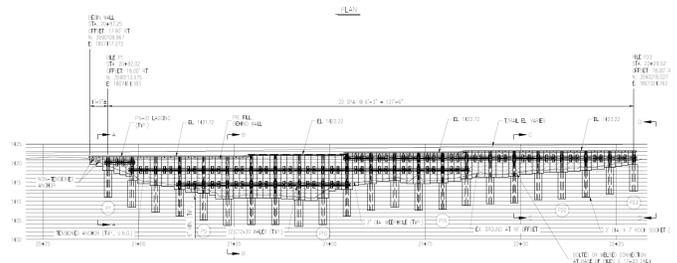
More Information

For more project information, email the Alaska Railroad at Public_Comment@akrr.com, or visit AlaskaRailroad.com/corporate/projects >Denali/Healy area projects.

Healy Canyon - some of the areas requiring additional stabilization efforts



Profile view of Wall 36 repairs at MP 354.94



Profile view of Wall 41 repairs at MP 355.22

Examples of previous stabilization efforts in Healy Canyon



The track retaining wall at MP 354.1 was replaced in 2009-2010.



In 2009-2011, the track at MP 357 was moved further from the river.