

## Bridge MP 370.7 Pier Replacement & Embankment Protection

### Project Scope

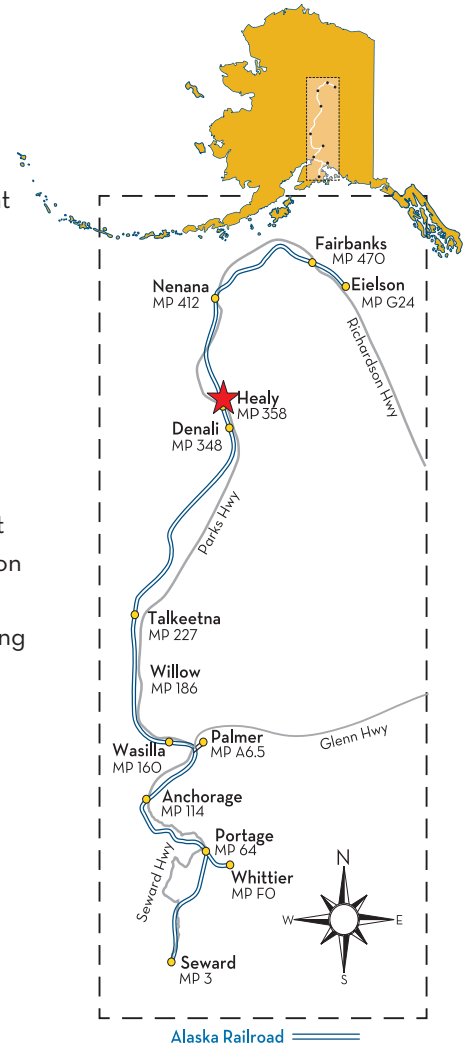
The Alaska Railroad (ARRC) will address scour and erosion issues at Bridge MP 370.7, which crosses the Nenana River in Ferry, Alaska. Proposed work includes: replacement of Pier #3, removal of the adjacent remnant bridge pier, placement and reshaping of rip rap protection at the south bridge abutment, pier #2, and adjacent streambank.

### Project Benefits

The proposed project is in response to the September 2012 flooding event and is a Federal Emergency Management Administration (FEMA) Disaster Relief and State of Alaska Department of Homeland Security and Emergency Management (DHS & EM) project to repair and prevent further scour and erosion from threatening ARRC's critical transportation infrastructure. The project will benefit rail-based commerce and overall rail customer service as well as avoid the much higher costs of responding to an emergency track outage if necessary actions are not taken.

### Project Status

- September 2012 was the initial flooding disaster and initial emergency embankment repairs.
- March 2015, emergency action was taken to fill the scour hole at Pier #3.
- March 2015 - April 2017, alternatives were examined for a proposed action for a permanent solution.
- April 2017, FEMA and State of Alaska DHS & EM approved the proposed action
- July 2017, contract awarded to contractor
- Summer 2017, NEPA & permitting expected to be completed
- Fall 2017 thru Winter 2018, Construction expected



## Construction Impacts

- Anticipated construction schedule is winter of 2017/2018.
- Property access will be available.

## Cost and Funding

- September 2012 emergency efforts in Denali Borough were approximately \$1.1 million, funded 75% by FEMA and 25% by State of Alaska DHS & EM.
- Bridge 370.7 Pier Replacement Alternative Analysis, Preliminary Engineering, and NEPA estimated to cost \$850,000., funded 75% by FEMA and 25% by State of Alaska DHS & EM.
- Estimated construction cost is \$12.7 million, funded 75% by FEMA and 25% by State of Alaska DHS & EM.

## Project Site Pictures



*Bridge MP 370.7, Pier #3*



*Looking north at the brige MP 370.7 over the Nenana River.*