



Northern Rail Extension Phase 1

Tanana River Bridge Quarterly Progress Report January 15, 2014



Last bridge girder erected

**This report covers the period:
October 1, through December 31, 2013**
www.northernrailextension.com

Northern Rail Extension Phase 1

Project Summary

The Northern Rail Extension (NRE) project proposes to construct and operate an approximately 80-mile-long rail extension from Fairbanks to Delta Junction. The NRE project will begin at the existing rail line located on the Eielson Branch line at the Chena Overflow Bridge just south of the community of North Pole and be extended to the community of Delta Junction, with the ability to service Fort Greely.

The project phases are as listed:

- **Phase 1: Bridge, approach road, and levee associated with the crossing of the Tanana River near Salcha. (Current Phase)**
- Phase 2: Approximately 13 miles of rail from Fairbanks to the Tanana River crossing.
- Phase 3: Approximately 30 miles of rail from the west side of the Tanana River crossing to the Tanana Flats Training Area,
- Phase 4: Approximately 38 miles of rail between the Tanana Flats Training Area and Delta Junction.

Current Status

- Rip Rap deliveries to the jobsite began in April and were completed mid-October.
- All pile driving was completed in October.
- All concrete pier and abutment construction was completed in October.
- All girder erection was completed in early November.
- Completed placement of ballast pans on top of girders.
- Began bolting of girder diaphragms and ballast pans.
- Began erection of bridge guardrail.
- South bank levee and launching toe was completed in December.
- South bank embankment and two spur dikes were completed up to Boundary Slough.
- Still waiting for permits from the Bureau of Land Management to complete embankment and final spur dike beyond Boundary Slough on military lands.
- Began removal of temporary access from the Tanana.

Next Quarter Outlook

First quarter 2014 activities will include:

- Completion of all diaphragm, ballast pan and guardrail bolting.
- Continued removal of temporary access from Tanana.

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Safety

1 ***Incidents this Quarter***

81 ***Injury Free Days***

18 ***Total incidents to date****

**There have been no major incidents on the project.*

Alaska Work Force (this quarter)

67 ***Total Manpower on Site***

57 ***Alaskan Manpower on Site***

82% Alaskans employed on-site this Quarter

Alaskan Companies providing services:

Construction

- | | |
|---|------------|
| • Rolling Stone Construction: Gravel | Salcha |
| • Better Way Construction: Hydroseeding | North Pole |
| • Brice, Inc.: Rip Rap | Fairbanks |
| • Code 3 Logistics: On-Site Trucking | North Pole |
| • Brown's Hill Quarry: Rip Rap | North Pole |
| • JD Steel: Ironwork Rebar | Salcha |
| • HC Redimix: Concrete | North Pole |

Engineering

- | | |
|---|-----------|
| • HDR Alaska: Contract Management / Engineering | Anchorage |
| • Hanson Alaska: Bridge Engineering | Anchorage |
| • Shannon and Wilson: Geotechnical Engineering | Fairbanks |
| • PDC, Inc.: Survey | Fairbanks |
| • MAPPA: Testing Services | Fairbanks |

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- Open House / Community Christmas party was held on December 14.

Funding

| | Spent FRA | Remaining FRA | Spent State Funds | Remaining State Funds | Total |
|---------------------------------|-----------------------|---------------|----------------------|-----------------------|-----------------------|
| Engineering, Design, Permitting | \$ 13,546,313 | \$ - | \$ 1,434,413 | \$ 2,519,274 | \$ 17,500,000 |
| Right-of-Way | \$ 635,384 | \$ - | \$ 505,920 | \$ - | \$ 1,054,611 |
| Construction Administration | \$ 3,669,738 | \$ - | \$ 6,577,078 | \$ 1,017,800 | \$ 11,264,616 |
| ARRC Contingency | \$ - | \$ - | \$ - | \$ 3,207,461 | \$ 3,736,813 |
| Construction Contract | \$ 86,348,565 | \$ - | \$ 50,018,541 | \$ 18,719,513 | \$ 154,643,960 |
| Total | \$ 104,200,000 | \$ - | \$ 58,535,952 | \$ 25,464,048 | \$ 188,200,000 |

Schedule

Original Estimated Schedule completion Date:

August 2014

Current Estimated Schedule completion Date:

August 2014

Project Milestones

| Major Project Milestones | | |
|-------------------------------|-------------|----------|
| | Date | Status |
| Final Design and Permits | July-11 | Complete |
| Construction Contract | July-11 | Complete |
| Office Complex & Staging Area | November-11 | Complete |
| Utility Relocation | November-11 | Complete |
| North Bank Levee | July-12 | Complete |
| South Bank Spur Dikes | July-14 | |
| Bridge Sub-Structure | March-14 | Complete |
| Bridge Super-Structure | March-14 | Complete |

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ARRC Project Staff

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