



Northern Rail Extension Phase 1

Tanana River Bridge Quarterly Progress Report December 31, 2013



Last bridge girder erected

**This report covers the period:
October 1, through December 31, 2013**
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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 for permits 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 of 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
- **Warwick Surveying:** Survey Anchorage
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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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- Project Open House and holiday celebration held at Salcha senior center on December 14th.

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	\$ -	\$ 1,141,304
Construction Administration	\$ 3,669,738	\$ -	\$ 6,577,078	\$ 1,017,800	\$ 11,264,616
ARRC Contingency	\$ -	\$ -	\$ -	\$ 3,207,461	\$ 1,942,461
Construction Contract	\$ 86,348,565	\$ -	\$ 50,018,541	\$ 18,719,513	\$ 156,351,619
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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