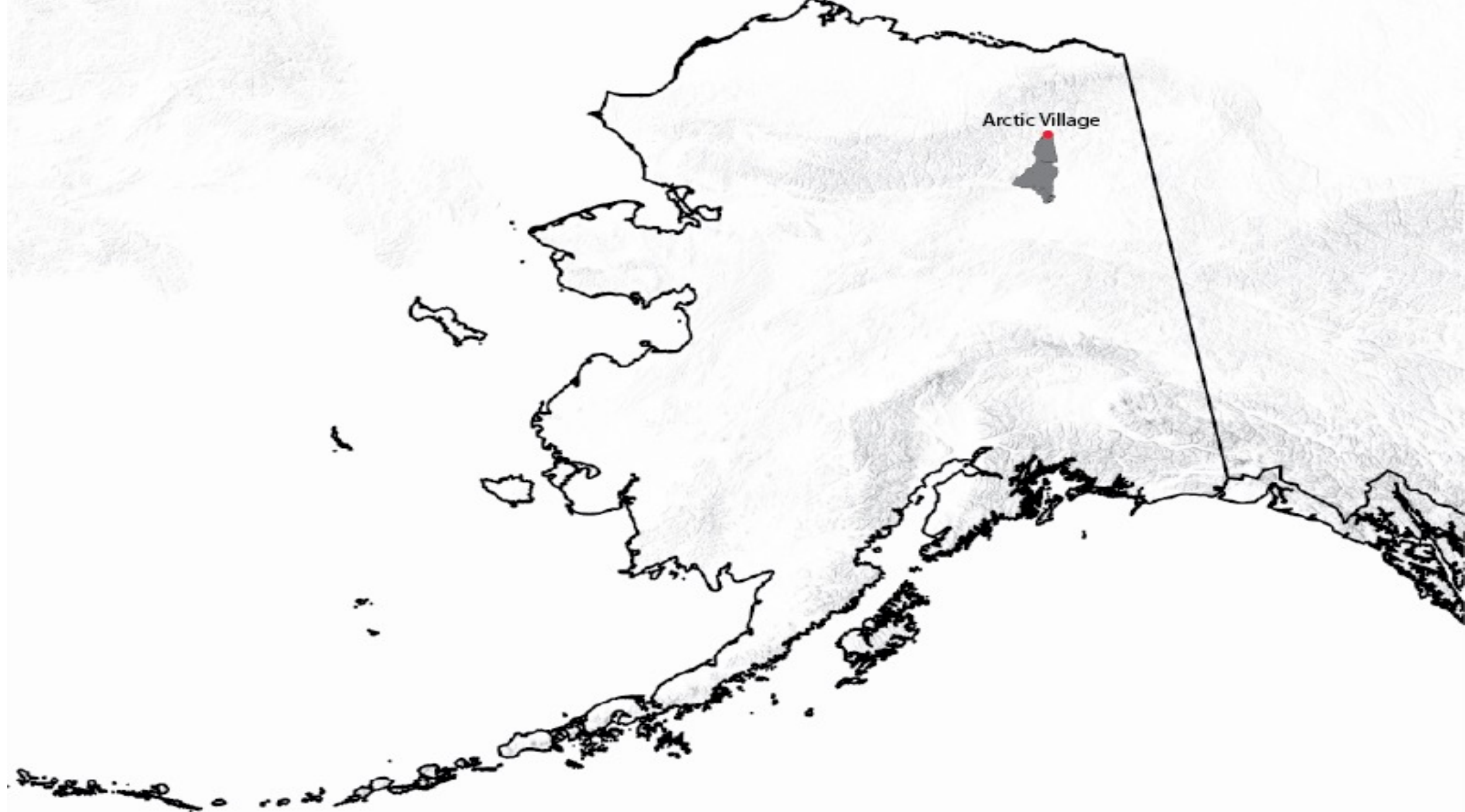


# Arctic Village



Byron Bluehorse  
Transportation Manager



Arctic Village

# HPP ATTACHMENTS

- HPP Application
- 5704 Official Status
- Stripmap of Route
- Final Plan Set Signed
- Final Engineer Cost Estimate
- Facility Images
- Fatality Image

Project Description/Scope of Work:

The Old John Lake Trail Project is to construct a 4 mile motorized trail facility. The facility connects the community to the clinic, store, tribal government offices, housing, airport, school, cultural camp, firewood collection areas, Native Allotments and subsistence areas. The Tribe aims for implement counter measures such as road design, removing hazardous objects, and speed management. The proposed construction will manage drainage of the road to improve accessibility and safety. The Tribe intends to construct the road by employing Arctic Village personnel.



# Indian Reservation Roads Program Inventory Data Sheet (ver2) FY 2023 Inventory

Filter Criteria				
E	2023	03	025	1024

For construction costs use the Greenbook Report

Italicized fields are direct update data and bold fields are derived data.

Location ID	E03025
Region	Alaska
Agency	Fairbank
Reservation	Arctic V
Road Name	Unnamed
4-IRR Route Number	1024
5-Section Number	10
10-Class	5
15-Length of Section	7.1
18-Bridge Number	
19-Bridge Condition	
20-Bridge Length	
32-County	250
33-Congressional District	01
7-State	AK
8-Ownership	2
12-Construction Need	2
11-Terrain	2
25-Roadbed Condition	1
24-Surface Condition Index	0
16-Surface Width	15
13-Surface Type	1
9-Federal Aid Category	1
28-Right of Way Status	1
29-Right of Way Width	0
TTAM BIA Share	100
30-Additional Incidental Percent	
17-Shoulder Width	0
14-Shoulder Type	
22-Existing ADT	
21-ADT Year	
23-Percent Trucks	
34-Owner Route Number	
<b>Roadway Width</b>	<b>15</b>
<b>TTAM Future ADT</b>	<b>74</b>
<b>TTAM ADS Number</b>	<b>14</b>
<b>TTAM Future Surface Type</b>	<b>G</b>
35-Drainage Condition	
36-Shoulder Condition	
37/38 # RR X I NG/RR XING TYPE	
39-Right of Way Utility	
40-Right of Way Cost	
26-Level of Maintenance	
27-Snow & Ice Control	
41-Begin Latitude	
42-End Latitude	
43-Begin Longitude	
44-End Longitude	
45-Atlas Map Number [99]	01
46-50 Grade/Sight/Curve/Stop / Safe	
51-Road Category	
52-Year of Construction Change	
<b>Update Year</b>	<b>2007</b>
<b>Status</b>	<b>OFFICIAL</b>

# STRIP MAP



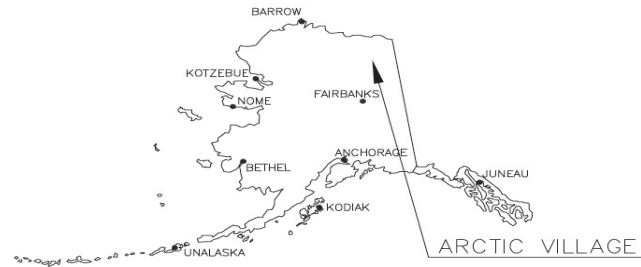
0 0.75 1.5 3 Miles



Route: 1024	Const. Need: 2
Section: 10	Funct. Class: 5
Len. of Sec.: 7.1	Ownership: 2

Beg. Lat: 68° 07' 39.33094463" N	End Lat: 68° 04' 42.35551020" N
Beg. Lon: 145° 18' 39.14605379"	End Lon: 145° 18' 39.14605379"

# ARCTIC VILLAGE COUNCIL



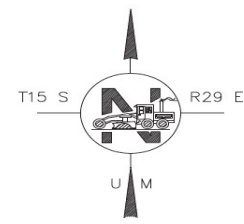
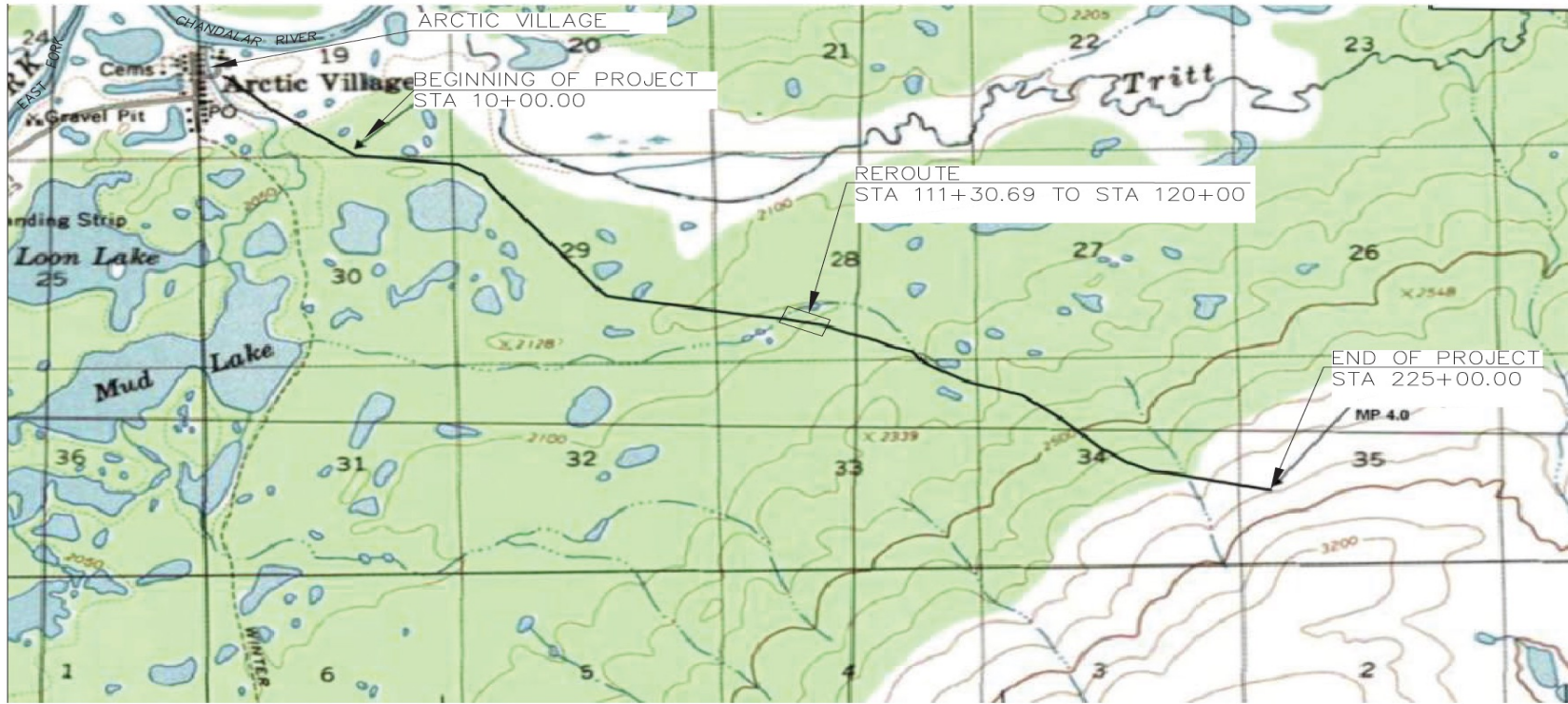
PROJECT SUMMARY		
ROADWAY SECTION	WIDTH	LENGTH
OLD JOHN LAKE TRAIL	8 FT	21,500

DESIGN DESIGNATIONS	
ROUTE 1025 SECTION 010	
A.D.T. 2014 (VPD)	50
A.D.T. 2034 (VPD)	74
DESIGN SPEED (MI/HR)	20

DESIGN APPROACH & CRITERIA: PROJECT CONSISTS OF UPGRADING THE EXISTING TRAIL TO A MOTORIZED TRAIL WITH MOST IMPROVEMENTS DESIGNED WITH THE INTENT TO IMPROVE SAFETY. BASIS OF DESIGN WAS THE ALASKA STATE PARKS TRAIL MANAGEMENT HANDBOOK 2015, TRAIL CLASS 4.

<https://dnr.alaska.gov/parks/aktrails/aktrailmgthndbk2015.pdf>

## OLD JOHN LAKE MOTORIZED TRAIL BIA ROUTE 1024 SECTION 010 PROJECT NO. A09AV00132 A SAFETY IMPROVEMENT PROJECT



## Engineers Cost Estimate

Date : 3/31/2023 Project: Arctic Village Old John Lake Trail

Item Number	Pay Item	Pay Unit	Unit Price	Plan Quantity	Plan Amount
201 (1A)	Clearing	ACRE	\$ 2,400.00	26	\$ 62,400.00
202 (4)	Removal of Culvert Pipe	Linear Foot	\$ 16.00	20	\$ 320.00
203(3)	Unclassified Excavation	Cubic Yard	\$ 18.00	19,800	\$ 356,400.00
203(5C)	Borrow, Type C	Cubic Yard	\$ 36.00	24,800	\$ 892,800.00
203(5C)	Suitable Material	Cubic Yard	\$ 25.00	10,200	\$ 255,000.00
301(4)	Aggregate Base Course, Grading E-1	Cubic Yard	\$ 42.00	3,700	\$ 155,400.00
603(17-24)	24 Inch Pipe	Linear Foot	\$ 80.00	441	\$ 35,280.00
603 (17-36)	36 Inch Pipe	Linear Foot	\$ 110.00	60	\$ 6,600.00
611(1)	Riprap, Class I	Cubic Yard	\$ 237.00	20	\$ 4,740.00
615(1)	Standard Sign	Square Foot	\$ 37.50	10	\$ 375.00
618(2)	*Seeding	Pound	\$ 250.00	890	\$ 222,500.00
619(1)	*Mulching	Square Yard	\$ 14.00	49,000	\$ 686,000.00
634(1)	Geogrid, Type Biaxial	Square Yard	\$ 4.00	11,300	\$ 45,200.00
639(6)	Approach	Each	\$ 1,500.00	9	\$ 13,500.00
640(1)	**Mobilization and Demobilization	Lump Sum	\$ 350,000.00	All REQ'D	\$ 350,000.00
641 (1)	**Erosion and Pollution Control Administration	Lump Sum	\$ 11,900.00	All REQ'D	\$ 11,900.00
641(3)	**Temp Erosion, Sediment and Pollution Control Admin	Lump Sum	\$ 17,800.00	All REQ'D	\$ 17,800.00
642(1)	Construction Surveying	Lump Sum	\$ 59,300.00	All REQ'D	\$ 59,300.00
646(1)	**CPM Scheduling	Lump Sum	\$ 11,900.00	All REQ'D	\$ 11,900.00
<b>Pay Item Subtotal</b>				<b>Subtotal</b>	<b>\$ 3,187,415.00</b>
*Bidding					\$ 25,000.00
Tribal Administration				5%	\$ 159,370.75
*Construction Engineering				15%	\$ 478,112.25
<b>Total Construction Cost</b>					<b>\$ 3,849,898.00</b>
<b>Approximate Cost Per 100' of Trail</b>					<b>\$ 17,906.50</b>

\*Mulching and Seeding may be reduced significantly depending on site conditions.

\*\*Significant costs can be saved if the project is constructed by Arctic Village personnel.

Note: Cost estimate is based on costs outlined by WH Pacific in 2016 plus inflation, communication with local contractors, and material suppliers.







# Facebook Post

Funeral Services