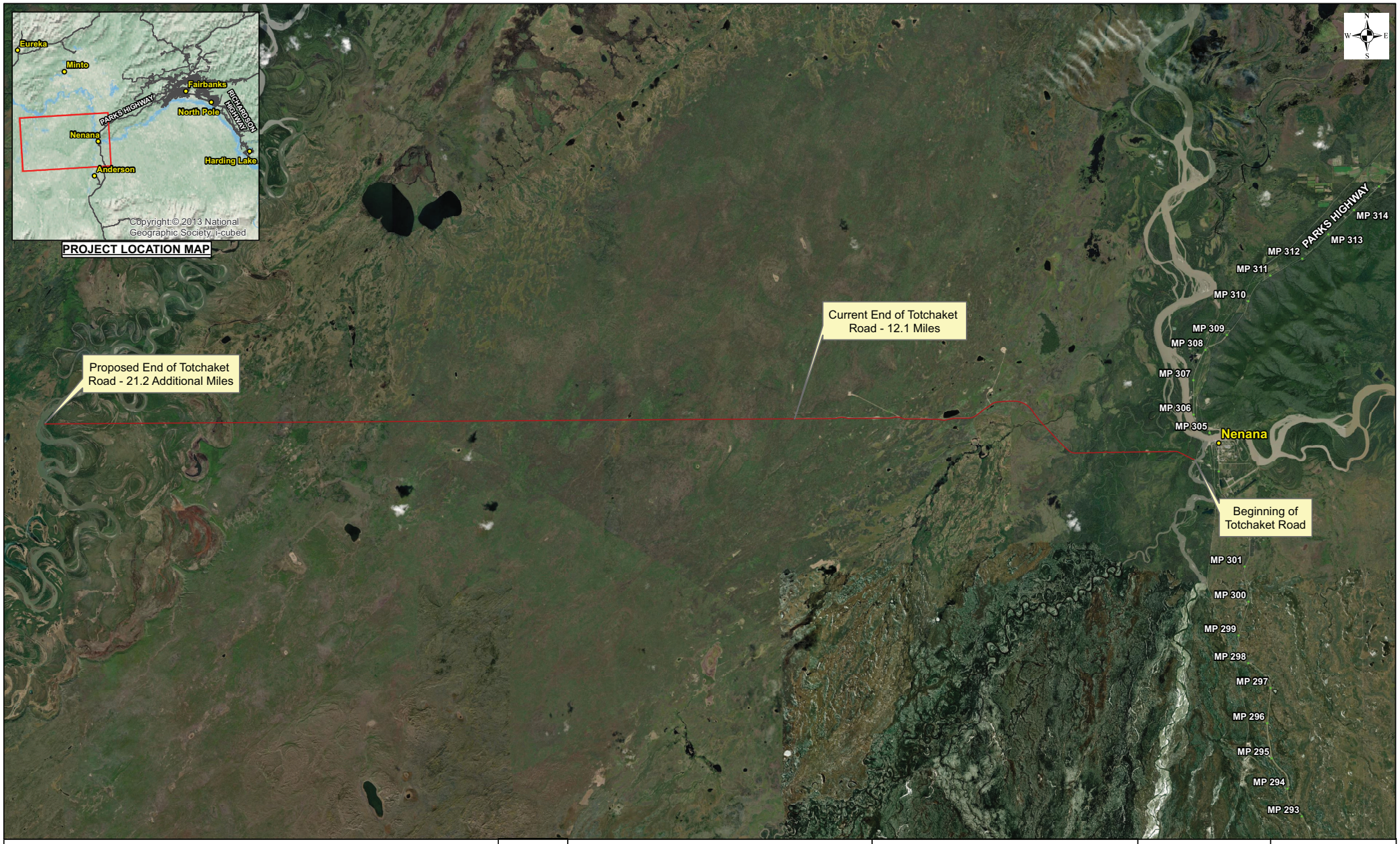

0 1.25 2.5 5 Miles

STATE OF ALASKA
Department of Transportation and Public Facilities
2301 Peger Road Fairbanks, AK 99709

Date: October 2021

Figure 1

Nenana Totchaket Road

existing road west to the Kantishna River. Assuming a typical section consisting of a 16-foot wide road with 9 inches of surfacing, 2:1 side slopes and an average embankment height of 4 feet, a construction estimate to recondition the existing road and bridges and build the 16.7 miles of new road would be $15 million, which includes design costs.

During the construction of the first 12-miles of the road, some borrow material was excavated and used in the road embankment from within the ROW at a handful of locations. This borrow mostly consisted of sand and silt and was excavated in areas of higher terrain.

A review of the available interferometric synthetic aperture radar (IFSAR) data from the Division of Geological & Geophysical Surveys (DGGS) Elevation Portal for Alaska shows several miles of similar terrain west of the current endpoint of the Totchaket Road. Thus, there is potentially a large amount of borrow within the ROW that could be used to build the road, which in turn would lower the borrow unit cost substantially. The surfacing for the road would need to come from available sources along the Parks Highway near Nenana.

REAPPROP: Nenana-Totchaket Road Project | **FY2022 Request:** **$0**
Reference No: **64400**

AP/AL: Appropriation
Category: Transportation
Location: Nenana

Impact House District: Eielson/Denali/Upper Yukon/Border (HD 6)
Estimated Project Dates: 07/01/2022 - 06/30/2027

Project Type: Construction

House District: Eielson/Denali/Upper Yukon/Border (HD 6)
Contact: Dom Pannone

Contact Phone: (907)465-2956

Brief Summary and Statement of Need:
Improve 12.1 miles of existing road and construct 21.2 miles of new road from Nenana, Alaska, west to the Kantishna River. This road will provide access to the Nenana-Totchaket Resource Area.

Funding:	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total
Total:	$0	$0	$0	$0	$0	$0	$0

☐ State Match Required ☐ One-Time Project ☐ Phased - new ☐ Phased - underway ☐ Ongoing
0% = Minimum State Match % Required ☐ Amendment ☐ Mental Health Bill

Operating & Maintenance Costs:

	Amount	Staff
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Prior Funding History / Additional Information:

No prior funding history.

Project Description/Justification:
The resource area contains approximately 900,000 acres of agricultural land, timber harvesting, oil and gas deposits, and potential mineral development. Historical access to this area has been via river barge or ice road from Nenana, which has limited its development. The City of Nenana and others have been pursuing a year-round, all-weather road and bridge to this area for many years.

The proposed road begins at the City of Nenana and ends approximately 29-miles to the west, near the Kantishna River. There is an existing 500-foot-wide public right-of-way granted by the Department of Natural Resources (DNR) for this road.

The road begins on the west side of the City of Nenana at the end of 10th Street next to the Nenana River. A new bridge was constructed here and was recently opened to the public on July 7th, 2020. Just east of the new bridge, a 50-foot bridge across the Nenana Slough was also constructed.

West of the Nenana, River, approximately 12-miles of road and three smaller bridges were constructed in 2008-2009.

The existing 12-miles of road will be reconditioned as needed, three of the existing bridges will also need repairs, and approximately 21.2 miles of new road would be constructed from the end of the