Our mission is to Keep Alaska Moving through service and infrastructure.

Alaska Department of Transportation & Public Facilities

The meeting will start promptly at 2:05pm.
Our mission is to **Keep Alaska Moving** through service and infrastructure.
Procurement Website:
https://dot.alaska.gov/rfpmgr/lg.cfm

Project Website:
https://dot.alaska.gov/nreg/nenana-totchaket/

- Recording of this presentation and the slides
- P&P Sheets – (Totchaket New Road P&P_F12_F39)
- Cross Section Sheets
- Wetland Map – (Totchaket New Road Wetland Map_)
- Site Summary map – (Nenana Totchaket Road Site Visit Summary 2022)
- Recon Investigation – (2013_Recon_geotech Investigation)
- Soil Survey – (Totchaket_Soil Survey 1980)
- Subsurface Investigation – (Totchaket Road Subsurface Investigation 1981)
- Existing Bridge Information
FUNDING:

• Project is entirely State funded

• The project received $15M in the FY23 state capital budget and is secured. NR is working with the Governor's office to potentially secure additional funding, up to $15M more, to complete additional alternatives. This additional funding is not certain at this time.

• DOT wants flexibility to add scope to construction contract by interim work packages on an aggressive schedule.
Scope

The Department is proposing to construct the Nenana – Totchaket Road from the Nenana River to the Kantishna River. The project will provide access for future agricultural development as well as increased access for hunting and fishing opportunities.

Primary Project: Road to Kantisha River Bluff.
- Construct approx. 15.7 miles of new road to the Bluffs of the Kantisha River
- Regrade, resurface, and construct minor improvements to the existing 12.1 mile Totchaket Road.
- Reconstruct Little Nenana Creek Bridge with ACROW or similar bridge.
- Develop material sites along new road for future maintenance.
Potential Scope Additions

Contingent on funding...

Alternative #1: Road extension to Kantishna River + parking pad/launch
Alternative #2: Replace two more bridges
Alternative #3: Subdivision Roads for DNR
Alternative #4: Primary Project, except 24’ wide road
Alternative #5: Power/Comm
Prelim Schedule

This contract will consist of two parts: Stage 1 - Preconstruction Services, and Stage 2 - Construction. The estimated schedule below assumes interim work packages based on permitting and funding timelines.

- **Hire Contractor for Stage 1:** Early September 2022
  - **Work Package #1 - (PS&E):** September – October 2022
  - **Work Package #1 - Negotiate construction cost:** October – November 2022
  - **Work Package #1 – NTP, Stage 2:** November 2022
- **Work Package #2 – PS&E:** Winter 2022/23
  - **Work Package #2 - Negotiate construction cost:** Winter 2022/23
  - **Work Package #2 – NTP, Stage 2:** Spring 2023
- **Subsequent Work Packages:** TBD
- **Substantial completion of all Stage 2 work:** October 31, 2024

**Proposed Work Package #1:** This initial work package is (contingent on funding) anticipated to include work which may be performed prior to approval of the United States Army Corps of Engineers Permit. Work may include rehabilitation of the existing road, brush clearing of the existing road, brush clearing portions of new road, potholing for material investigations, stockpiling of material, and construction of portions of new road within uplands. The key goal of this early work package is to begin physical construction in late Fall 2022.

**Work Package #2:** The second work package is (contingent on funding) is anticipated to include construction of approximately 15.7 miles of new road extending from the end of the existing Totchaket Road to the Kantishna River bluff. Work would also include replacement of the Little Nenana Creek Bridge with a Contractor furnished ACROW bridge or similar. The expectation is that the Contractor perform this work in Summer 2023, and potentially begin as soon as Winter 2022/23.
Existing Road

Existing Road Conditions:

- In 2008-2009, approximately 12 miles of the Totchak Road and three small bridges were constructed west of the Nenana River.
- A new bridge was also constructed across the Nenana River in 2020.
- The existing road varies in width from as narrow as 13 feet, to over 20 feet, with an average width of 16 feet.
- Several turnouts spaced consistently and averaging a few every mile.
- Out of the three small bridges along Nenana Road, one bridge (Little Nenana Creek Bridge, #1557) is in need of replacement and the other two are in poor condition.
- See [project website](#) for site visit report.
Existing Bridges

- Little Nenana Creek: 14’x80’ “rapid span” – needs replaced, abutments settling/gabions collapsing
- East Middle River: 14’x80’ “rapid span” – recommend replacement
- West Middle River: 14’x80’ “rapid span” – recommend replacement
- Bridges are not load posted and should be able to accommodate legal loads, however abutments continue to settle.

DOT does not have plans to design the bridge replacements. Request CMGC assistance to provide the design and installation.

See website for detailed inspection reports, photos, etc...
Material

- Several existing sand sources along existing road
- **Majority of fill needs to be generated from cut sections in the profile design (500,000 cy)**
- Permitting two material sites with DNR along new proposed road’
- Surfacing will need to be imported (est. 40k cy)
- Some Borrow will need to be imported (60-80k cy estimated)

- Roughly 3 of the 20 miles have been drilled.
- Currently assuming similar features will contain sand
- Will perform some drilling this Fall.
Typical Sections

**Typical Sections**

**Sand from ex.**

Profile Grade

PROFILE GRADE

6" CRUSHED AGGREGATE BASE COURSE, GRADE E-1

BORROW, TYPE A

EXISTING GROUND

Borrow

Sand from ex.

**Wide Cut Areas**

<table>
<thead>
<tr>
<th>START STATION</th>
<th>END STATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>606+00</td>
<td>704+00</td>
</tr>
<tr>
<td>844+00</td>
<td>883+00</td>
</tr>
<tr>
<td>946+00</td>
<td>1020+00</td>
</tr>
</tbody>
</table>

*Information from Corridor Properties*
Environmental

- Environmental Investigations
- Permitting
CMGC roles

• **Owner** (DOT&PF/City of Nenana)

• **Designer** (DOT&PF)
  - Jonathan Hutchinson, Project Manager
  - TBD, Construction Manager and Project Engineer

• **CMGC Facilitation & Independent Cost Estimator (ICE)**

  Stanton Constructability Services, LLC
  - Ed Jones, Lead Estimator
  - Justin McQueen, Civil Estimator

  Michael Baker International, Inc.
  - Derek Christianson, P.E., CMGC Lead
  - Karin McGillivray, CMGC Outreach and Facilitation

• **Contractor** (CMGC)
RFP Scoring

Anticipated RFP Selection Criteria

1. Project Approach (20)
2. Risk Management (10)
3. Innovation (15)
4. Methods of Partnering and Claims Mitigation (5)
5. Proposed Project Staff (5) – including bridge super
6. Management (5)
7. Past Performance (15) – not CMGC based, looking for similar projects
8. Approach to Fee and price (8)
11. Alaska Bidder Preference (10)
12. Labor Billing Rates (5)
13. Construction Fee proposal (5)
The Department has identified the following project goals:

• Begin physical work in an early work package in late Fall 2022

• Complete construction of new road to the Kantishna bluff by October 31, 2023.

• Complete as much of the scope identified above within the state funding available.

• Complete construction of other potential scope by October 31, 2024.

• Work collaboratively with the Contractor and stakeholders to maximize value to the public.

• Keep the public, agencies, and stakeholders informed of project progress consistently.
For More Information

Engineering Manager
Jonathan Hutchinson, P.E.
Phone (907) 451-5479
Jonathan.hutchinson@alaska.gov

Construction Manager
TBD

Project Website:
https://dot.alaska.gov/nreg/nenana-totchaket/

Procurement Website:
https://dot.alaska.gov/rfpmgr/lg.cfm
Questions?

How can we help you provide the best proposal to DOT&PF?

**ONLINE:** To “Raise Hand” go to the “Reactions” button on the bottom of your computer screen.

**ONLINE:** On a mobile device, you may find the “Reactions” button by clicking the three dots next to the “Participants”

**ON PHONE:** To Raise Your Hand in the meeting when you’re on the phone, press star (*) 9