PORT OF NOME MODIFICATION, NOME ALASKA

Public Meeting

Date: Wednesday, May 17, 2023

Time: 5:00 – 7:00 p.m.
AGENDA

- 5:00 – 5:15 PM Opening Remarks
- 5:15 – 5:45 PM Presentation
- 5:45 – 6:00 PM Break
- 5:45 – 7:00 PM Open Forum

**Meeting will be recorded and will be posted at the following locations:**

https://www.youtube.com/user/AlaskaCorps

To mute/unmute yourself, click here.

***Reminder that you may need to “double unmute” if you’re using your phone for audio.
To see who all is on the call, click here. Those who called into the meeting separately using the call-in info will show up as “Call-in User #”

To open the chat, click here.
“This is Shane. …”

REMINDERS:

✔ Identify yourself each time you speak

✔ During presentations, use *6 to unmute and speak

✔ Use mute when not talking (use your phone or button on screen or *6)

✔ Type questions in Chat (set To: Everyone) – we will start with Chat questions, then move to raised hands, then finally, to phone only participants

✔ Digitally Raise Hand (Open Participants, click by your own name)
OPENING COMMENTS

- City of Nome – Mr. John K. Handeland, Mayor
- Tribal Representatives
- USACE
INTRODUCTIONS

Kendall Campbell, Tribal Liaison

John Blees, City Engineer

Mike Rouse, Env. Resources, Chief

Merlin Peterson, Design Lead

Joy Baker, Port Director

John Budnik, Public Affairs

Bryan Hudson, Principal/Sr. Engineer, PND

Karl Hulse, Principal/Sr. Engineer, CRW

Chris Floyd, Environmental Resources

Jathan Garrett, Project Manager

Ken Morton, Utility Engineer NJUS

Andy Horazdovsky, Civil Engineer, CRW
NOME DEEP DRAFT ARCTIC PORT - PROJECT TEAM

Local Service Facilities (LSF)  General Navigation Features (GNF)

CITY OF NO ME
PORT OF NO ME
ENGINEERS, INC.

GNF Design Package
GNF Design Package

Contractor Bid Package
Contractor Bid Package

CRW
ENGINEERING GROUP

NJUS
OVERVIEW OF PORT OF NOME MODIFICATION PROJECT

- First Corps’ construction on Harbor began in 1919.
- Port last upgraded in 2006 to -22 ft MLLW.
- Port Modification authorized for construction in WRDA 2020.
- Provides support to Nome users and regional communities utilizing Section 2006 of WRDA 2007.
  - Allows navigation projects in Alaska to be justified based upon:
    - Community Viability
    - Public Health and Safety
    - Access to Subsistence Resources
    - Cultural Significance
- Feasibility Report March 2020
- Design Agreement executed June 2021.
PROJECT PURPOSE AND OBJECTIVES

- United States only deep-water port in the Arctic.
- Provides a critical link with 60 communities and the rest of Alaska.
- The existing port facilities in the region are overcrowded and have insufficient draft to accommodate larger and deeper drafting vessel traffic.
- The proposed project objective is to improve support for multiple maritime missions: cargo transportation, search and rescue, emergency and oil spill response, natural resource exploration by:
  - Reducing draft limitations to allow use by more efficient vessels.
  - Increasing dock space to serve more vessels safely and to avoid delays.
  - Increasing navigation area to allow for safe and efficient maneuvering of all vessels.
PROGRAMMATIC APPROACH
THREE PHASES

PHASE 1 - W. Causeway Extension (Award 2024)
• Stub BW removal
• Causeway extension
• Dock construction

PHASE 2 - Basin Dredging (Award 2025)
• Deep water basin dredging
• Outer basin expansion

PHASE 3 - E. Breakwater Construction (Award 2027)
• East BW demo
• Outer basin expansion
• East causeway construction
Major Components of Solicitation:
- Removal of existing stub breakwater
- Extension of the causeway
- New L-shaped dock
- Utility extensions and upgrades
WEST CAUSEWAY (PHASE 1) - 95% DESIGN

Causeway Extension
- 3480-foot L-shaped extension.
- Extension cross section similar to the existing causeway
ANTICIPATED HAUL ROUTE AND STAGING AREAS
CONCEPT OF PORT OF NOME MODIFICATION PROJECT

1. Deep Water Basin
2. Extend Causeway and Roadway ~3,500’ (Phase I)
3. New ~2,000’ OCSP Dock Structure (Phase I)
4. Mooring Dolphins (Phase III)
5. Two New OCSP Docks (Phase III)
6. Dredge to -28 MLLW (Phase II)
7. Dredge to -40 MLLW (Phase II)
8. New East Causeway Road (Phase III)
9. New East Causeway Road (Phase III)
10. Breach Bridge (Phase III)
11. New East Causeway Road (Phase III)
12. Two New OCSP Docks (Phase III)
13. Mooring Dolphins (Phase III)
DESIGN LOADS:

- 1,500 PSF ULL
- 150 TON CRANE
  - 70 Ton Pick
- CONTAINER HANDLER

OPEN CELL Model

19.69" SHEET PILE
PS27.5/PS31
NTS
ADD IN OCSP CROSS SECTION FOR DISCUSSION
ANDREA IS WORKING THIS

Typical Causeway Cross Section at Dock

195’ – 235’ Wide Causeway
City Dock Fender
DOCK UTILITIES LSF 95% Design Concept

- CONNECT TO EXISTING UTILITIES
- UTILITY CORRIDOR (WATER, SEWER, FUEL)
- UTILITY SERVICE LATERAL (TYP)
- UTILITY HARD STAND (TYP)
- HIGH MAST LIGHTING (TYP)

Utilities in Roadway:
- Potable Water
- Sewer Force Main
- Diesel, Jet A, & Gasoline Pipelines
- Power/Comm

(E) CAUSEWAY
OUTER HARBOR
CATWALK, TYP
DEEP WATER BASIN OCSP DOCK
DEEP WATER HARBOR
CAUSEWAY

30.00' ROAD SURFACE
3.00' POWER CONDUITS
TELECOM CONDUITS
10' ARCTIC PIPE WATER SUPPLY LINE
12' ARCTIC PIPE WATER CIRCULATORY RETURN LINE
8' SEWER FORcemain
6' GASOLINE
6' DIESEL
6' JET A
8' SEWER
10' ARCTIC PIPE WATER SUPPLY LINE
3.00' POWER CONDUITS
TELECOM CONDUITS
10' ARCTIC PIPE WATER CIRCULATORY RETURN LINE
8' SEWER FORcemain
6' GASOLINE
6' DIESEL
6' JET A

DOCK UTILITIES Water Vault Details

SINGLE PUMPER FIRE HYDRANT ASSEMBLY

12X6 DUCTILE IRON REDUCER
6" DUCTILE IRON TEE

12X18 HDPE ARCTIC PIPE

90.00"

6" FLANGED FIRE HYDRANT SHOE
6" REDUCED PRESSURE BACKFLOW PREVENTER
6" DUCTILE IRON TEE

3" CAMLOCK FITTING
3" GATE VALVE
3" STAINLESS STEEL RISER PIPE
VALVE ACCESS (TYP)

3" MAGNETIC FLOW METER
6X3 DUCTILE IRON REDUCER
6" GATE VALVE (TYP)
6" HDPE DRAIN LINE WITH HEAT TRACE

DAYLIGHT THROUGH DOCK FACE

SUMP WITH 4" PERFORATED DRAIN PIPE

WATER DISTRIBUTION VAULT

SCALE 1: X
TYPES OF VESSELS PORT OF NOME SERVES

COMMODITY MOVEMENT

On-water Transfers

Deliveries to Shore
TYPES OF VESSELS PORT OF NOME SERVES

SHIP RESUPPLY/CREW CHANGE
STATUS, SCHEDULE AND HOT TOPICS

- Estimated Solicitation – OCT 2023
- Estimated Award – APR 2024
- Feasibility $490M
  - Updated costs are apart of the non-disclosure sensitive procurement information.
- Congestion at the port during construction.
  - Haul Route will be maintained.
- Housing Concerns.
  - Man Camp
- Local Hire/Training Opportunities.
  - https://sam.gov/content/home
WRDA 2023 revised the cost share has been revised to 90/10 GNF.

City will be responsible for paying 100% for Docks and Utilities.

Anticipate to execute the construction agreement between the USACE and City by mid-August.

Upcoming Subsistence Users Meeting TBD.
Public Comment Phase closes 01 JUN 2023.

https://www.fisheries.noaa.gov/action/incidental-take-authorization-us-army-corps-engineers-port-nome-modification-project-nome
MODEL
THANK YOU