United States Army Corps of Engineers - Arctic Ports Study FY2013 Request: \$1,500,000 Reference No: 54074

AP/AL: Appropriation	Project Type: Climate Change / Erosion
Category: Transportation	
Location: Statewide	House District: Statewide (HD 1-40)
Impact House District: Statewide (HD 1-40)	Contact: Pat Kemp
Estimated Project Dates: 07/01/2012 - 06/30/2017	Contact Phone: (907)465-3900

Brief Summary and Statement of Need:

This capital request is to fund year two of the Arctic Ports Study in conjunction with the United States Army Corps of Engineers (USACE). The purpose of this study is to identify potential Arctic deepwater port sites (minimum of -35 feet) that would be a long-term vital asset to national security and to the State's economy.

Funding:	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	Total
Fed Rcpts Gen Fund	\$500,000 \$1,000,000	\$500,000 \$500,000	\$500,000 \$500,000				\$1,500,000 \$2,000,000
Total:	\$1,500,000	\$1,000,000	\$1,000,000	\$0	\$0	\$0	\$3,500,000
State Match Required One-Time Project Phased - new Phased - underway On-Going							
0% = Minimum State Match % Required Amendment Mental Health Bill						_	
Operating & Maintenance Costs:					Amour	<u>nt</u>	<u>Staff</u>
			Project Deve	lopment:		0	0
Ongoing Operating:				0	0		
One-Time Startup:				0			
				Totals:		0	0

Additional Information / Prior Funding History:

\$300,000 from Ch 5 FSSLA 2011 Sec 1 Pg 101 Ln 11 (was combined with the SDMI request).

Project Description/Justification:

One or more Arctic deepwater ports would provide new, northernmost bases for the United States Department of Defense and the United States Coast Guard (USCG) to protect and patrol the State's arctic waters. In addition, construction of a deepwater port would enhance in-state job growth, support resource development and exploration, and operate as a new intermodal hub between marine and aviation transportation facilities. Additional funding to complete the study would be required in FY2014 and FY2015.

The Arctic coast is approximately 927 miles long or 1,492 kilometers, and a high priority for the State of Alaska and all federal agencies. It is in our interest to learn as much as we can about the region and its potential deepwater (-35 feet or greater) port sites by working with the Army Corps of Engineers conducting a combination of research and mapping in order to develop a list of potential port sites on the State's arctic coastline. An arctic port in Alaska would serve as a major infrastructure asset as the State, nation, and world continue to evolve their use of Arctic resources. In the short term, this would serve as the northernmost port for the USCG (USCG icebreakers and other vessels require a minimum of -35 feet), the US Navy (USN), and the National Oceanic and Atmospheric Administration (NOAA) in order for them to protect and patrol this region, and to develop a greater understanding of the factors involved in the potential economic development of the region. In the long State of Alaska Capital Project Summary Department of Transportation/Public Facilities FY2013 Governor Reference No: 54074 12/15/11 2:07:55 PM Page 1 Released December 15th, 2011

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term, potential arctic ports could be expanded upon to allow for greater utilization to the state. It could help further diversify the state's economy in many ways. Including:

• The possibility of an arctic port becoming a direct shipping point for resources developed in the western and northern regions of Alaska.

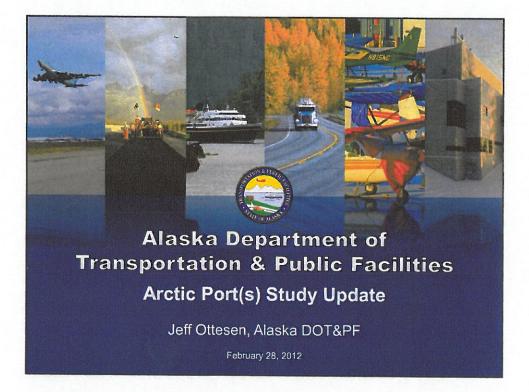
• A major strategic American commercial and military port along the Arctic Coast as vessel traffic increases.

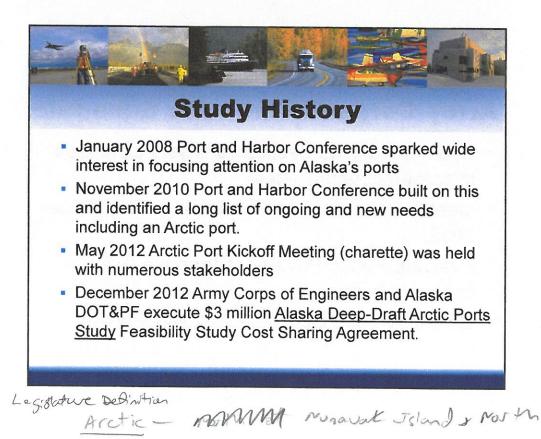
• A major infrastructure asset to any future potential endeavors to produce oil and gas from deepwater reserves in the Arctic Ocean.

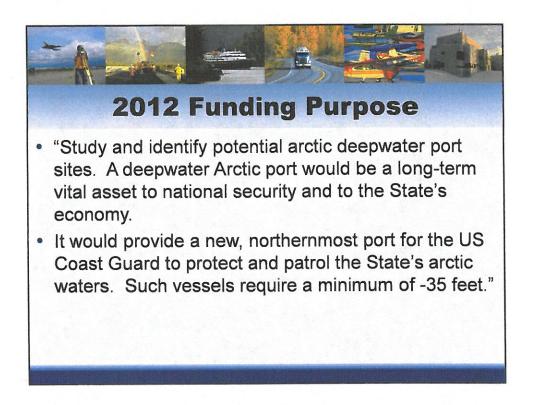
Vital information that could potentially be gathered through studies in collaboration with the USACE includes, but is not limited to: depth of water, size and number of vessels, security requirements, hydrographic surveys, ice thickness and movement, operational needs, maintenance requirements, social, economic, and environmental impacts, potential arctic infrastructure development, coastal erosion, storm surge analysis, tsunami inundation analysis, sea rise, disaster preparedness, mitigation and recovery, climate change research, and an understanding of the capabilities of other arctic nations.

This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods

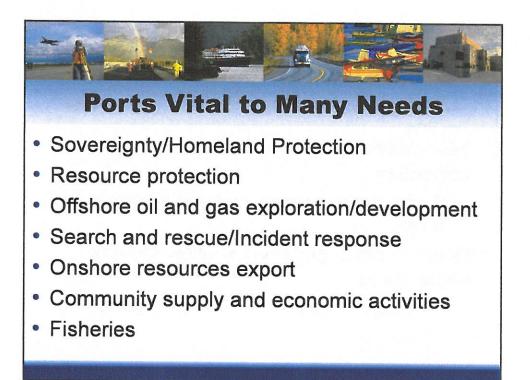
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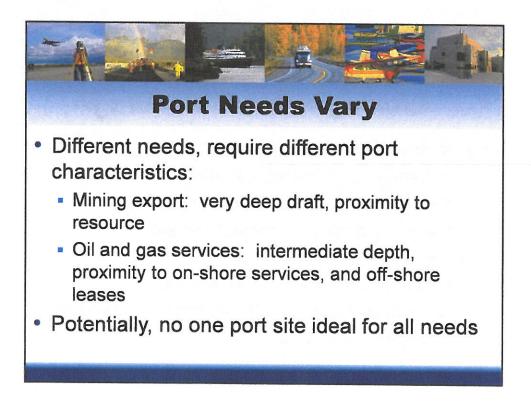


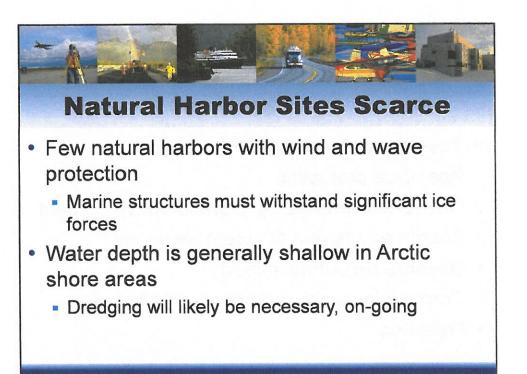


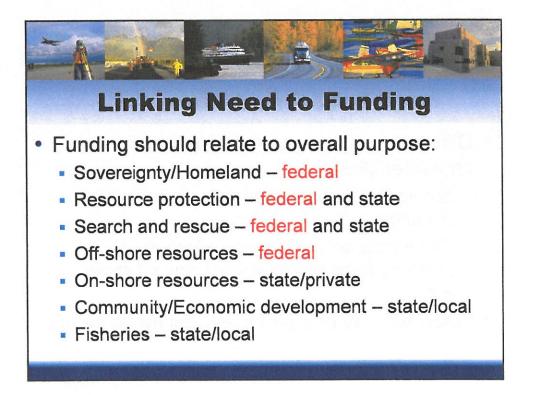


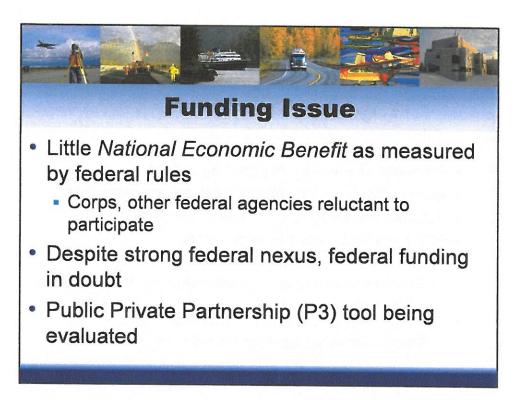




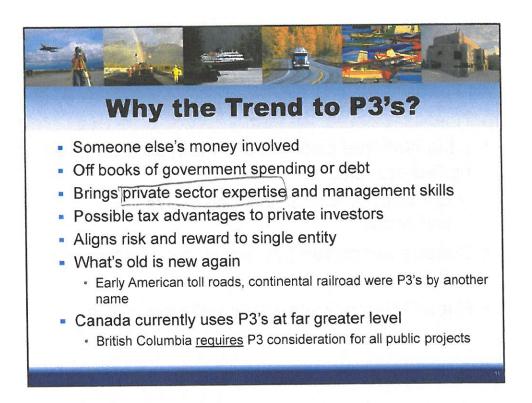


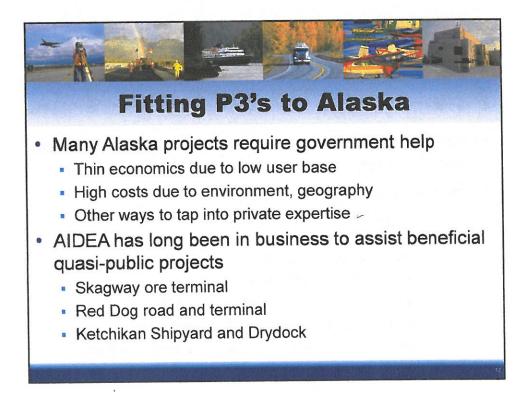


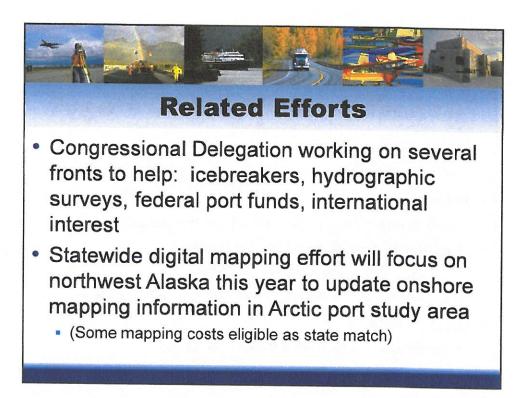


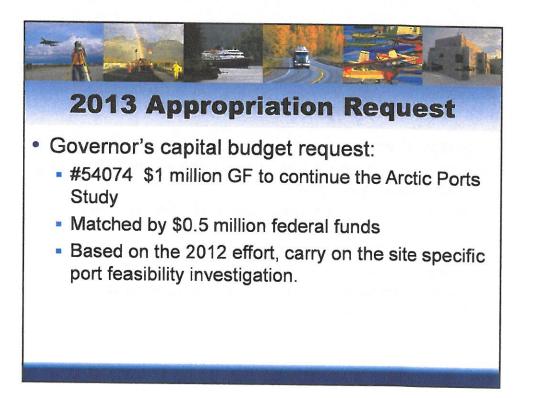


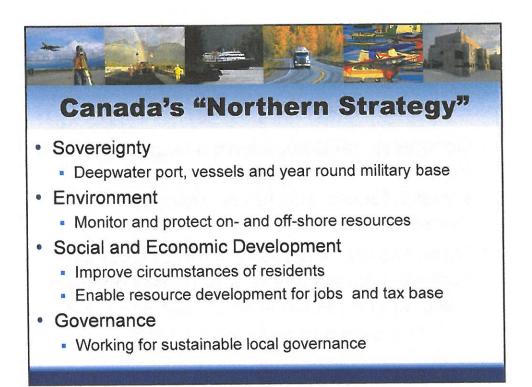


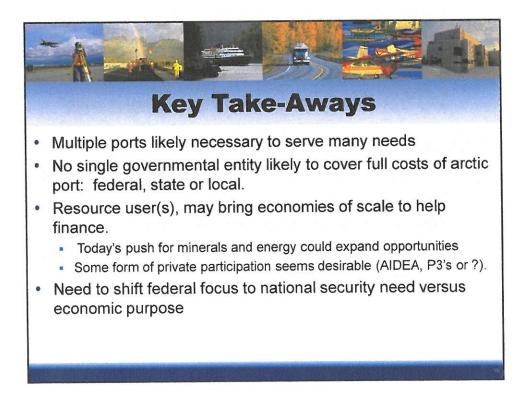














US Army Corps of Engineers Pacific Ocean Alaska



22 February 2012

INFORMATION PAPER

SUBJECT: Alaska Deep-Draft Arctic Ports Study.

1. BLUF: The State of Alaska and the U.S. Army Corps of Engineers, Alaska District (Alaska District) executed a \$3M Feasibility Cost Sharing Agreement (FCSA) to study the feasibility of implementing Alaska Deep-Draft Arctic Ports (minimum -35 feet depth). The State is very interested in resource extraction from western and northern Alaska, and the diminishing sea ice is making development more economically viable. The Alaska Congressional delegation has sponsored legislation highlighting the need for U.S. Arctic ports to support national sovereignty, environmental stewardship and life safety. The U.S. Navy (USN), U.S. Coast Guard (USCG), and National Oceanographic and Atmospheric Administration (NOAA) all have an increasing mission in the Arctic, but so far have not been a contributing partner for developing a deep-draft port. The State would welcome Federal participation in selecting, funding, and designing deep-draft port(s) in the Arctic that would incorporate the Federal mission.

2. Background: The Alaska District initiated the Alaska Regional Ports Reconnaissance Study in 2003. In 2008, they determined there was Federal interest in participating in cost-shared feasibility studies addressing regional ports and harbors in the state of Alaska. On 21 September 2009, the State of Alaska and the Alaska District executed an FCSA for the Alaska Regional Ports Feasibility Study. Two Statewide Ports and Harbor Conferences were conducted in January 2008 and November 2010. As a result of the November 2010 Conference, Gov. Sean Parnell requested a more specific effort to evaluate Deep-Draft Arctic Port(s) primarily focused on the extraction of resources. On 16-17 May 2011, the State and the Alaska District conducted a "planning charrette," which has led to the development of a specific FCSA and Project Management Plan (PMP) for the Alaska Deep-Draft Arctic Port(s) Feasibility Study. The documents were signed by both parties on 8 December 2011. The Corps has \$350K+/- and State of Alaska has \$300K+/- to initiate the estimated \$3M three year study. The study was not in the President's budget for FY11 or 12.

Sen. Murkowski unsuccessfully introduced legislation in 2009 for the study of an Arctic Deepwater Port. She reportedly reintroduced it in 2010. Sen. Begich obtained Legislative Drafting Assistance in 2010 for an Arctic Deep Water Port. So far we have not seen evidence that it was introduced. Congressman Young successfully introduced legislation in February 2010 that provided funding for hydrographic surveys to support safe navigation and deep draft studies in the Arctic. It has been suggested that Congress is interested to have DoD study and construct a Deep-Draft Port in the Arctic, but nothing has been formalized.

During the Planning Charrette, the terms Arctic Deepwater and Arctic Deep-Draft were discussed. The differentiation is that Deep-Draft implies we can create the depth of water as compared to it occurring naturally. There are few naturally occurring deep water sites in the US Arctic. The Planning Charrette helped define "arctic" (north of Nunivak Island even though many official definitions go all the way to the Aleutian Chain) and "deep-draft" (greater than or

2. SCHEDULE & MILESTONES

2. SCHEDULE & MILESTORES		
Name	Start	Finish
Task 1: Develop Work Plan		
Execute Tier 1 Amendment to FCSA	9/20/11	12/05/11
Kick-off Meeting		10/27/11
Establish Steering Committee		11/30/11
Task 2: Define Study Area		
Establish Study Area Working Definition	12/15	5/11
Confirm Definition w/Steering Committee		12/30/11
Task 3: Identify Other Agency Efforts		
Initial Write-up of Agency Efforts		1/25/12
Final Compilation of Agency Efforts	2/22/12	
Task 4: Evaluate Public/Private Partnerships (PPP)		
Evaluate PPP Approach and Potential	1/25/12	2/22/12
Task 5: Periodic PDT and Steering Committee Meetings		
Meetings to occur the last Wednesday every month		
Task 6: Examine Problems and Opportunities		
Draft Write-up Problems/Opportunities	1/25/12	2/22/12
Final Write-up Problems/Opportunities	2/22/12	3/30/12
Task 7: Establish Criteria		5/5 0/12
Draft Scenario Analysis	3/30/12	4/25/12
Final Criteria Established	4/25/12	5/30/12
Task 8: Conduct Scenario Analysis		0/00/12
Scenario Analysis Developed by PDT	5/30/12	6/27/12
Scenario Analysis vetted thru Stakeholders	6/27/12	7/25/12
Task 9: Identify Potential Sites	0/2//12	1120112
Potential Sites Preliminary List	7/25/12	8/08/12
Potential Sites Final List	8/08/12	8/22/12
Final Site Selection Document	8/08/12	9/26/12
Task 10: Engage Public	0/00/12	<i>y</i> , <u>u</u> o, <u>i</u> <u>u</u>
Public Meetings around the State	10/03/12	10/31/12
Task 11: Rescope Study Plan for 2013	10/00/12	10/01/12
Draft Scope	11/01/12	11/14/12
Final Scope	11/14/12	11/28/12
	11/14/12	11/20/12
FY13 and FY14: Site Specific Feasibility Phase	11/28/12	11/03/14
Conduct Feasibility Study	11/28/12	04/25/14
Value Engineering Study	03/01/13	07/01/13
Feasibility In-House Review	05/01/15	04/28/14
Alternative Formulation Briefing		05/16/14
Feasibility Review Conference		06/18/14
Finalize Feasibility Report		09/16/14
Division Commander Notice		10/03/14
		10/03/14