

Ports and Harbors: Progress, Opportunities and Issues

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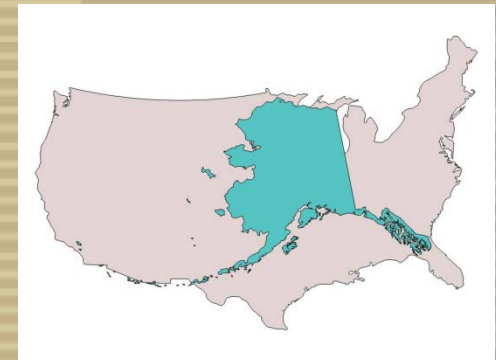
Overview

- Marine transportation
- DOT&PF harbor facilities
- Funding for ports and harbors
- Partnerships
- Issues



Alaska: The Great Land

- Highways: 15,718 lane miles and 958 bridges
- Aviation: 254 airports
- AMHS: 11 ferries and 16 ferry terminals
- 24 state-owned harbor facilities;
- 31 seaplane floats
- Alaska is the largest coastal state
 - 33,904 miles of coastline
 - 103 coastal towns in Alaska
 - 44% of towns/villages are coastal
 - 409,000 Alaskan residents live on the coast



Alaska Freight Shipments

- Water mode, in Alaska
 - Imports: 84% by marine routes (by tonnage)
 - Exports: 86% by marine routes (primarily oil)
 - Coastal towns/villages dependent on barges
 - Top trading partners
 - WA (41%), CA (37%), HI (3%) Foreign (13%)

Figure 1. Freight Flows To and From Alaska
by Water Mode: 1998 (tons)

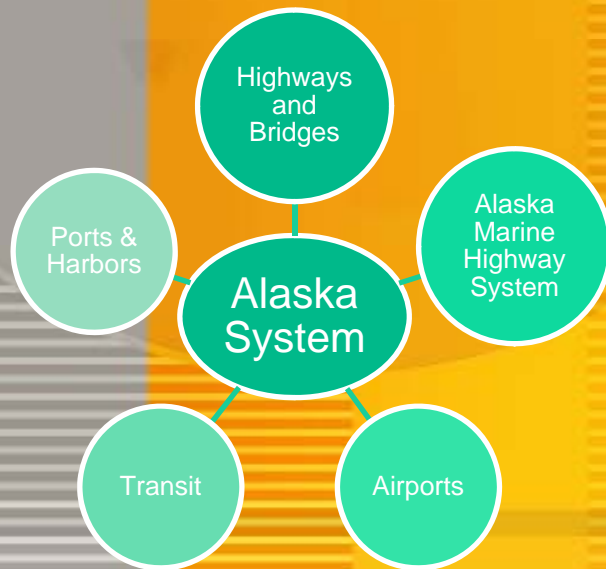


Federal Highway Administration



Mission

“Providing for the safe movement of people and goods and the delivery of state services”



Marine Transportation

Ports and harbors are critically important

- Especially for the delivery of goods
 - Import: Freight, fuel, supplies, food, etc.
 - Export: Oil and natural resources
- Resource development infrastructure
 - Export of oil and gas
 - Export of mineral resource



Marine Transportation Planning

Alaska DOT&PF Statewide Long-Range Plan

2030 *Let's Get Moving* (Feb 2008)

- Ports & harbors - emphasized in final plan, strategies and actions
- 2009 legislative funding to sponsor ports and harbors system plan (Alaska Regional Ports Study)

Ports/Harbors Planning Group (2008-09)

- DOT&PF Co-lead with the USACE
- Developed LRTP scope of work (Aug-Dec 2008)



Alaska Marine Highway System

Goal: improve revenue streams and ridership

- Schedules: consistency and publish early
- Optimize timing of arrival/departure
- Set appropriate tariff levels
- Doubled service out the chain from 5 to 10 seasonal runs; used *Kennicott* to add capacity
- Power management systems optimize vessel speed for fuel efficiency
- Alaska class ferry – Design completed 2010



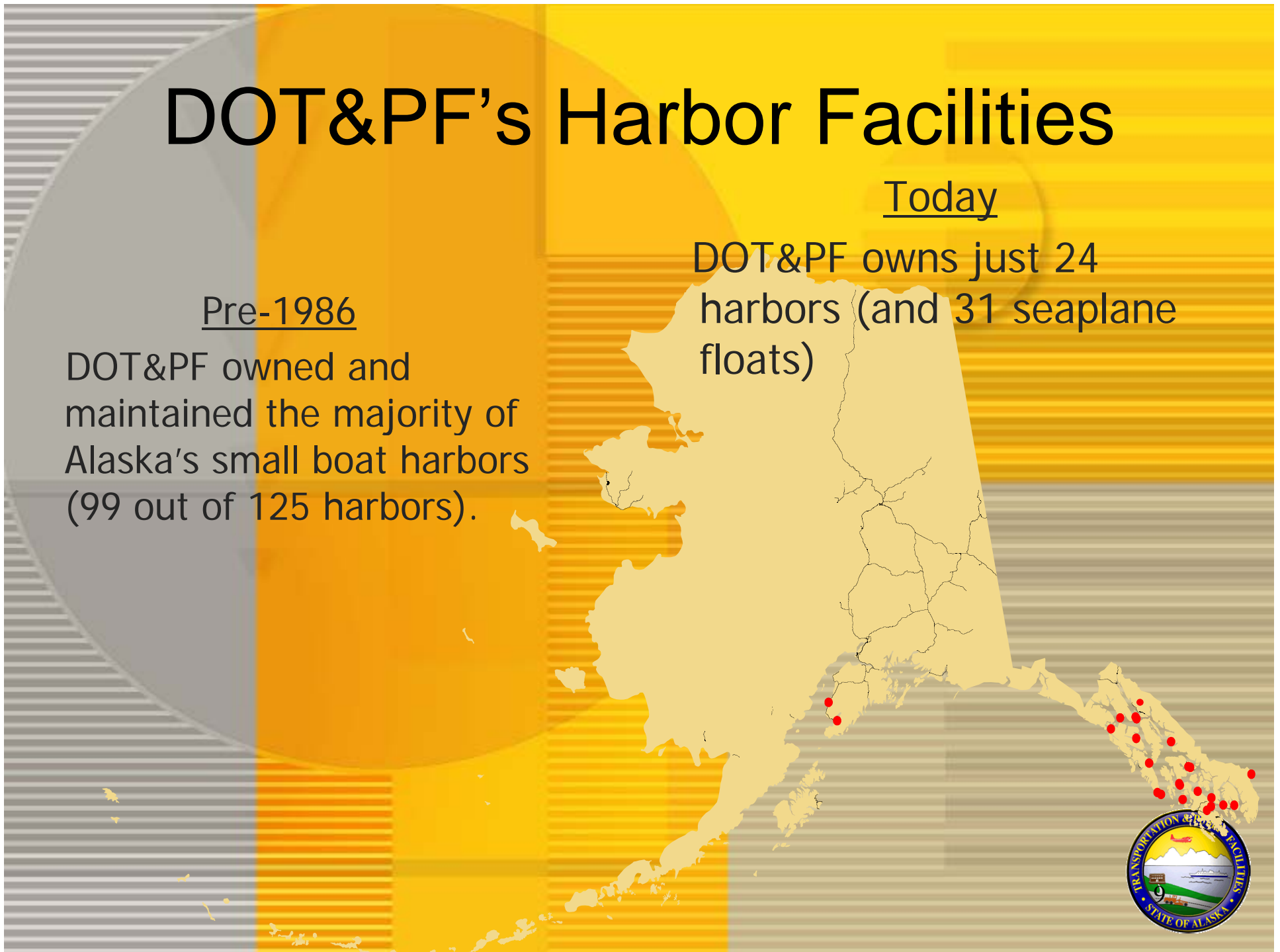
DOT&PF's Harbor Facilities

Pre-1986

DOT&PF owned and maintained the majority of Alaska's small boat harbors (99 out of 125 harbors).

Today

DOT&PF owns just 24 harbors (and 31 seaplane floats)



Municipal Harbor Facility Grant Program

- Established in 2006
- Funding by annual appropriation, first funded in 2007
- Provides 50/50 matching state funds
- Locally owned harbors, not commercial docks/ports
- Maximum of \$5 million per harbor facility per year

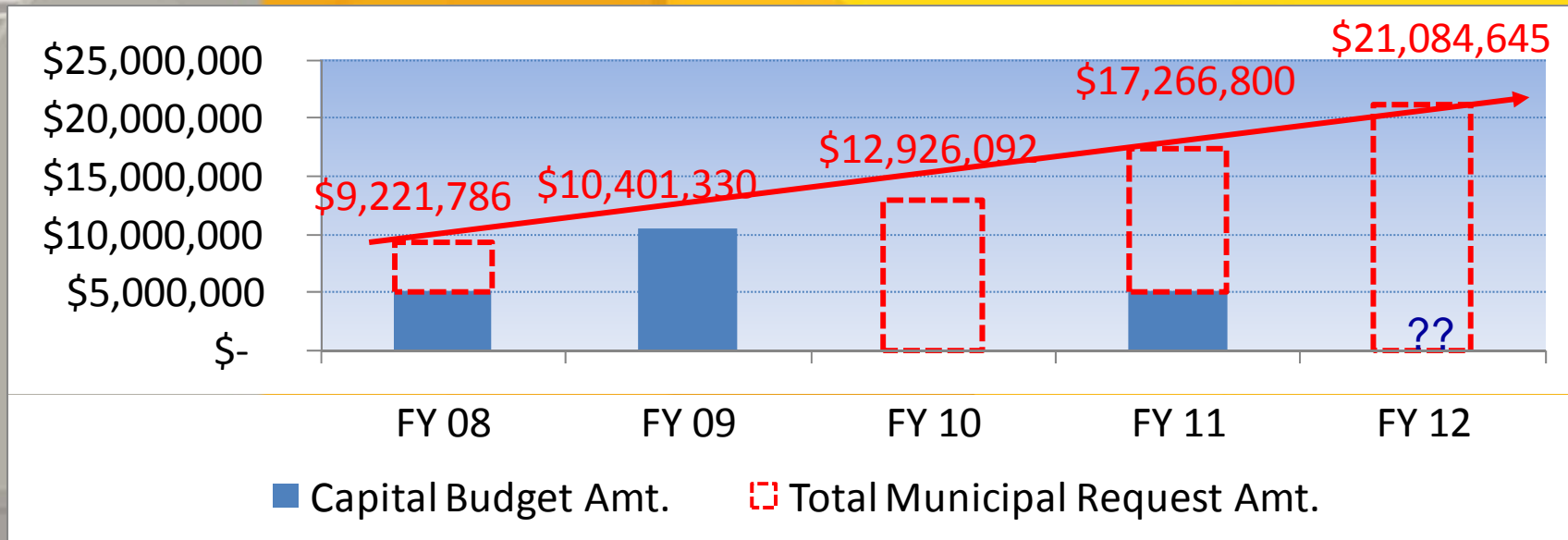


Harbor Grant Process

- Application process starts in the spring of 2011 for FY2012
 - Application deadline will be 7/15/2011
 - DOT&PF reviews and ranks applicants
 - Ranked list given to legislature for funding
 - Governor agrees and signs the capital bill
 - Notice of Intent to Award posted
 - Grant Agreement signed between DOT&PF and municipality
 - Municipality proceeds with construction
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- Alaska DOT&PF webSlide (www.dot.state.ak.us)
Click on the “Ports and Harbor” icon



Municipal Harbor Facility Grants



FY12 Applicants	Project Name	Ranked Score	Amount Requested
Port Lions, City of	Port Lions Small Boat Harbor	140.0	\$ 1,500,000
Sand Point, City of	Sand Point Harbor	139.0	\$ 5,000,000
Skagway, City of	Skagway Small Boat Harbor	126.8	\$ 5,000,000
Unalaska, City of	Robert Storrs Int'l Harbor	119.0	\$ 1,757,566
Hydaburg, City of	Hydaburg Small Boat Harbor	114.0	\$ 2,041,600
Juneau, City and Borough of	Aurora Harbor	111.8	\$ 2,000,000
Aleutians East Borough	False Pass Harbor	92.0	\$ 996,461
Aleutians East Borough	Sand Point Harbor Float A	90.2	\$ 2,166,000
Petersburg, City of	Middle Harbor	84.4	\$ 89,696
Petersburg, City of	South Harbor	84.4	\$ 172,991
Kenai, City of	Kenai Boat Launch	72.4	\$ 360,331
			12
		Total	\$ 21,084,645

USACE Matching Funds

DOT&PF assists communities on USACE harbor projects

- Providing technical coastal and harbor engineering in-kind services
- Assisting local gov't by funding up to 50% sponsor costs

All phases

- For design 50% - USACE; 25% DOT&PF; 25% local
- For construction 80% USACE; 10% DOT&PF; 10% local
- For mooring basins and float facilities - 50% DOT&PF; 50% local
- Requires appropriations from the legislature
- Long timeframe from start to construction



Challenges

- Climate change/coastal erosion
- DOT&PF role in new ports (Arctic/NW Passage)
- Floods/state emergency response

**Re-build
state's
infrastructure**



or

**Protect
DOT&PF
airport**

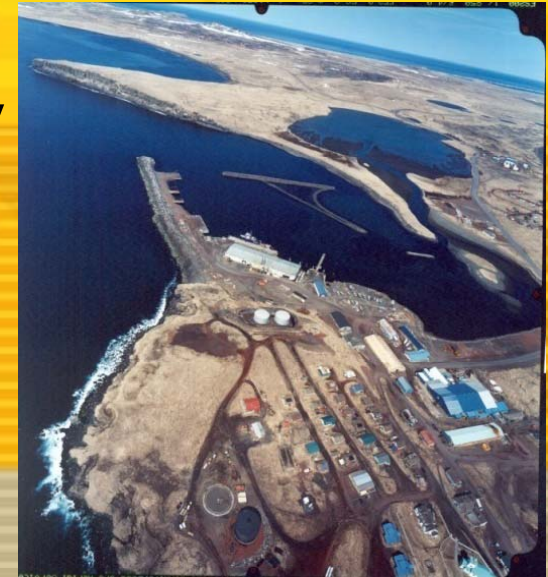


- Funding



USACE Project: Saint Paul Harbor

- First breakwater built in 1983 by the city
- Three USACE projects
 - Phase I constructed in 2001
 - Phase II constructed in 2005
 - Phase III constructed in 2010
- Total project cost = \$74.8M
- DOT&PF and city signed MOA on 3/24/99
- DOT&PF asks for Legislative funding over multiple years
 - in 1998 (\$4,044,600)
 - in 2002 (\$670,000)
 - in 2003 (\$4,150,000)
 - in 2010 (\$700,000)
- Total state aid was \$9.54M



2006 Saint Paul overview



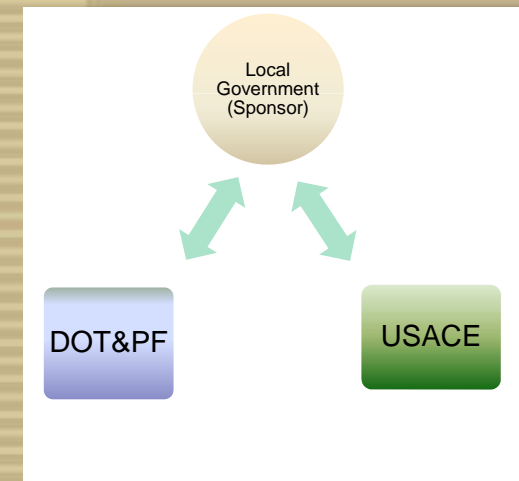
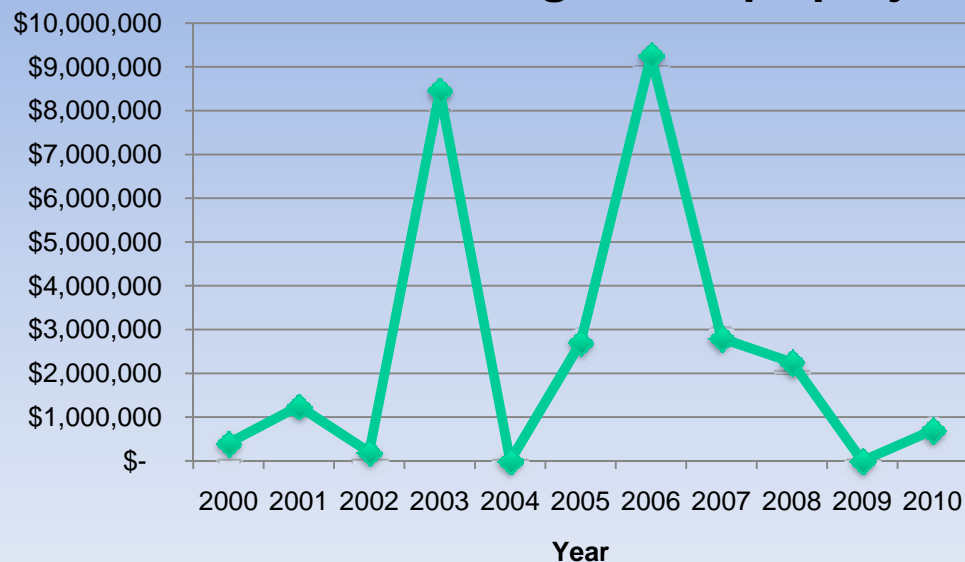
Completed breakwater Nov-2010



USACE Matching Funds Process

- Local gov't signs cost sharing agreement with USACE
- Local gov't asks for state interest in project
- Local gov't in charge of project (not DOT&PF)
- State funds subject to legislative approval

DOT&PF funding for Corps projects



GOVERNOR'S INITIATIVES

- Gas pipeline infrastructure
- Western Alaska Access
 - Road to Seward Peninsula
- Ambler Mining District
- Foothill West Transportation Access



Federal Transportation Funding

- 2010 Federal Highway & Aviation Funds
 - Ports and Harbors not eligible!
- Reauthorization
 - The Changing Federal Role in Transportation
 - Fiscal Constraint
 - Freight Component – potential Ports & Harbors funding?
 - Shift to “New Urbanism” and “Liveability”
 - Asset Management
 - Climate Change
- What does it mean for ports & harbors?
 - USACE
 - Denali Commission
 - MARAD – federal port funding with reauthorization?



Summary: DOT&PF's role

Preservation of state facilities

Partner with federal/state agencies

- Denali Commission, state co-chair
- Corps of Engineers
- AIDEA

Provide state financial assistance

- Evaluate and prioritize statewide public harbor needs and seek legislative appropriations to address them.

Address port and harbor planning issues

- 2030 Long Range Transportation Policy Plan
- Alaska Ports and Harbor Study
- Incorporate into Regional plans



Current harbor projects

