



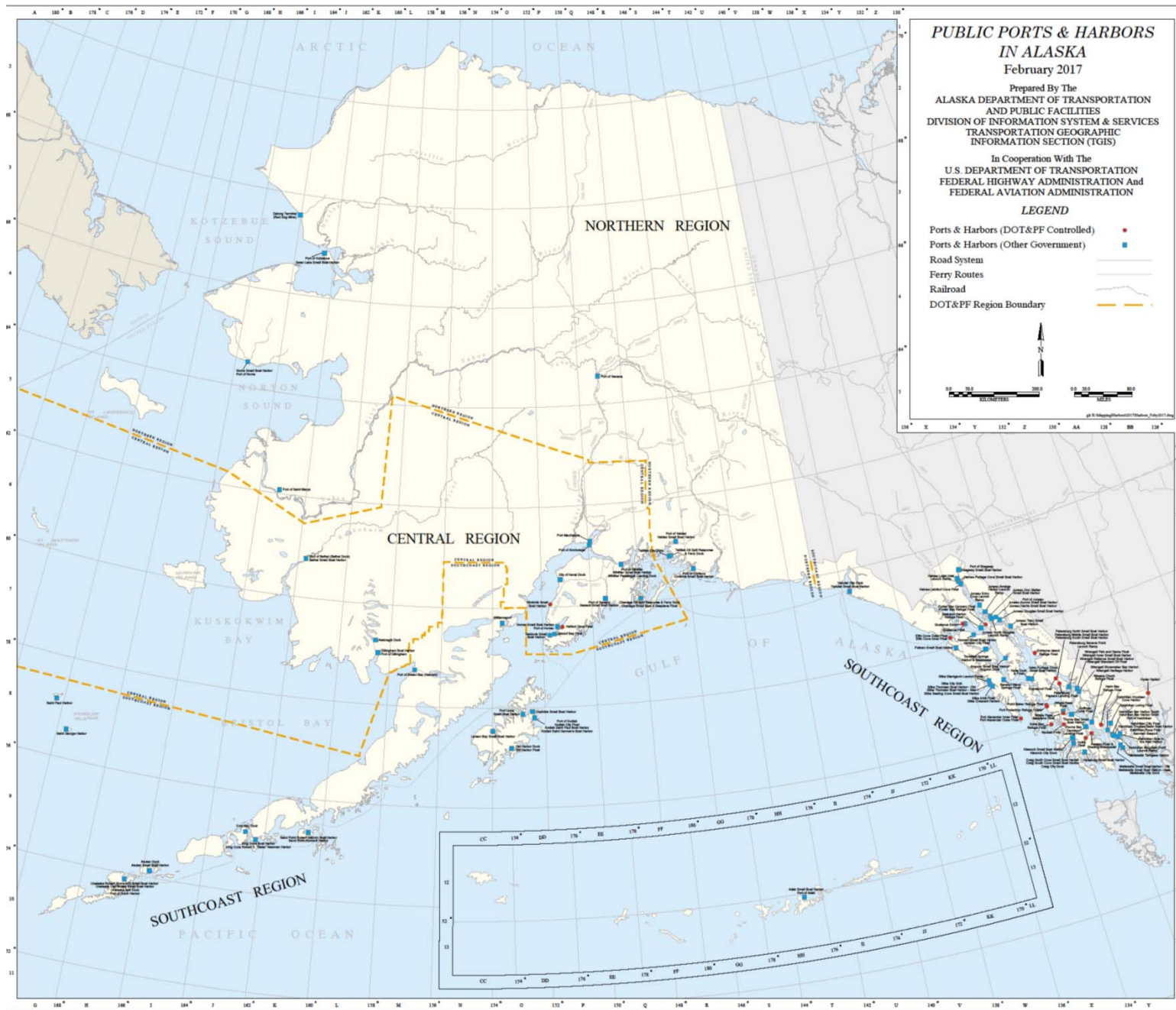
Alaska Department of Transportation & Public Facilities

Ports and Harbors Overview

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Lance Mearig, Chief Engineer

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Keep Alaska Moving through service and infrastructure



Ports & Harbors Locator Index

Adak Small Boat Harbor H013	Nome Small Boat Harbor 34
Alaska Dock 39	Old Harbor Dock 08
Alaska Small Boat Harbor 39	Old Harbor Pier 08
Alutsk Dock 17	Outback Small Boat Harbor 08
Angoon Dock 33	Palican Small Boat Harbor 33
Angoon Small Boat Harbor 33	Peaseburg Hanna Point Launch Ramp Y3
Barrow West Springs Pier 33	Peaseburg Middle Small Boat Harbor Y3
Barrow Small Boat Harbor K3	Peaseburg North Small Boat Harbor Y3
Chena Oil Spill Response & Ferry Dock Q8	Peaseburg Packer's Landing Pier Y3
Chena Small Boat & Seaplane Pier Q8	Peaseburg South Small Boat Harbor Y3
City of Kodiak Dock 36	Point Baker Refuge Pier Y3
Coffman Cove Pier Y3	Port Alexander Small Boat 33
Cold Bay Dock 39	Port Alexander Outer Pier 33
Cordova Small Boat Harbor 56	Port Lauen Small Boat Harbor 08
Craig City Dock Y9	Port MacKenzie Q8
Craig North Cove Small Boat Harbor Y9	Port of Adak H013
Craig South Cove Small Boat Harbor Y9	Port of Anchorage Q8
Crook Tonnage (Red Dog Pier) 33	Port of Barrow K3
Dillingham Boat Harbor L7	Port of Bristol Bay (Nakag) M7
Edna Bay Refuge Pier Y9	Port of Cordova 56
Edna Cove Seaplane Pier W7	Port of Dillingham L7
Edna Cove Outer Pier W7	Port of Dutch Harbor H19
Entrance Island Refuge Pier Y3	Port of Homer Y7
Funse Bay Seaplane Pier X7	Port of Juneau X7
Funse Bay Refuge Pier X7	Port of Ketchikan 29
Grosvonts Dock X7	Port of Kodiak 08
Grosvonts Pier X7	Port of Kotzebue 33
Haines Landed Cove Pier X7	Port of Noyah 04
Haines Landed Inlet Launch Ramp X7	Port of Noyah 34
Haines Passage Cove Small Boat Harbor X7	Port of Seward 75
Halliburton Cove Pier Y7	Port of Sitka Y9
Halla Bay Refuge Pier 29	Port of Skagway X7
Halla Pier Y9	Port of Valdez 88
Homer Small Boat Harbor Y7	Port of Whittier Q8
Hoonah City Pier X7	Port Wrangell Refuge Pier Y3
Hoonah Small Boat Harbor X7	Seaside George Harbor 08
Hydaburg Small Boat Harbor Y9	Seaside Paul Harbor Y3
Hydaburg 29	Seaside Paul Harbor Seaplane 39
Isabel Bay Pier Y7	Seaside Paul Harbor Seaplane 39
Juneau Anadig Harbor Launch Ramp X7	Seaside Seaplane 29
Juneau Aurora Small Boat Harbor X7	Seldovia Small Boat Harbor Y7
Juneau Dock Station Small Boat Harbor X7	Seward Small Boat Harbor Q8
Juneau Douglas Small Boat Harbor X7	Sitka A10 Dock 33
Juneau Echo Cove Launch Ramp X7	Sitka City Dock 33
Juneau Harris Small Boat Harbor X7	Sitka Crescent Harbor 33
Juneau North Douglas Launch Ramp X7	Sitka Seaside Cove Small Boat Harbor 33
Juneau Taku Small Boat Harbor X7	Sitka Seaplane Launch Ramp 33
Kake Dock & Pier Y3	Sitka Seaplane Small Boat Harbor - New 33
Kake Passage Cove Small Boat Harbor Y3	Sitka Seaplane Small Boat Harbor - Old 33
Kasaan Pier & Floating Breakwater Y9	Skagway Small Boat Harbor X7
Ketchikan Bar Harbor North 29	Stein Lake Small Boat Harbor Y3
Ketchikan Bar Harbor South 29	Strommen Harbor Refuge Pier X7
Ketchikan City Pier 29	Tatishuk City Dock 84
Ketchikan Hole in the Wall Harbor 29	Tatishuk Oil Spill Response & Ferry Dock R3
Ketchikan Kasaan Cove Pier 29	Tenden Springs Harbor & Breakwater 33
Ketchikan Landing Pier 29	Thomson Bay Seaplane Launch Pier Y9
Ketchikan Rye Pier 29	Thomson Bay Small Boat Harbor Y9
Ketchikan Mountain Point Launch Ramp 29	Udenaka Cat Movers Small Boat Harbor H10
Ketchikan Thomson Basin Small Boat Harbor 29	Udenaka Robert Stern Jr's Small Boat Harbor H10
King Cove Boat Harbor 39	Udenaka Light Dock H10
King Cove Robert E. "Bob" Newman Harbor 39	Valdez Small Boat Harbor 88
Klawock City Dock Y9	White Pine Pier Y3
Klawock Small Boat Harbor Y9	White Pine Seaplane Pier Y3
Kodiak City Pier 08	Whitman Seaplane Launch Dock Q8
Kodiak Seaside Harbor Pier 08	Whitman Small Boat Harbor Q8
Kodiak Seaside Paul Boat Harbor 08	Williamsport 07
Kuparuk Pier Y3	Wrangell Fish and Game Pier Y3
Lewis Bay Small Boat Harbor 08	Wrangell Harpings Harbor Y3
Metlakatla City Dock 29	Wrangell Seaside Small Boat Harbor Y3
Metlakatla Small Boat Harbor - New 29	Wrangell Seaside Small Boat Harbor Y3
Metlakatla Small Boat Harbor - Old 29	Wrangell Seaside Pier Y3
Metlakatla Tugboat Harbor 29	Yakutat City Dock V7
Metlakatla Tugboat Pier Y9	Yakutat Small Boat Harbor V7
Metlakatla Pier Y9	
Yukonik Small Boat Harbor 36	

There are currently 149 Ports and Harbors listed on this map. There are 21 that are controlled (owned) by DOT&PF and the remaining 128 controlled by Local Government.



Ports and Harbors Purpose

- Provide for the movement of people and the transfer of goods and services between coastal destinations and other transportation modes (airports, ferries, trucks)
- Provide access to nearby and distant Alaskan villages and communities;
- Enhance the mobility of a dynamic fishing fleet;
- Provide a safe harbor for commercial fishermen, marine operators, and recreational users;
- Provide a waterway portal for the public's benefit.



Need

- Over 62,000 vessels of all types use our waterways.
- Alaska's fish management system and limited entry areas and high capital investment in the fishing fleet require mobility for maximum efficiency.
- Harbors are spaced and sized to minimize travel time, fuel, spoilage, safety cost factors to ensure a productive fleet.
- Weather is a significant risk for vessels in transit or engaged in fishing in Alaska's waters.
- Public demands access to the waterways for recreational and cultural pursuits.



DOT & PF's Perspective

- DOT&PF works with local government to provide navigation improvements in Alaska
- DOT&PF established to manage across all modes
- Federal funding is still controlled by mode
 - air (FAA)
 - highways (FHWA)
 - transit (FTA)
 - railroad (FRA)
 - marine (Corps of Engineers)
- For federal projects, we only spend the necessary state funds to match Corps projects.
 - Funds are limited due to earmarks
- Most port and harbor projects are funded entirely with state funds.

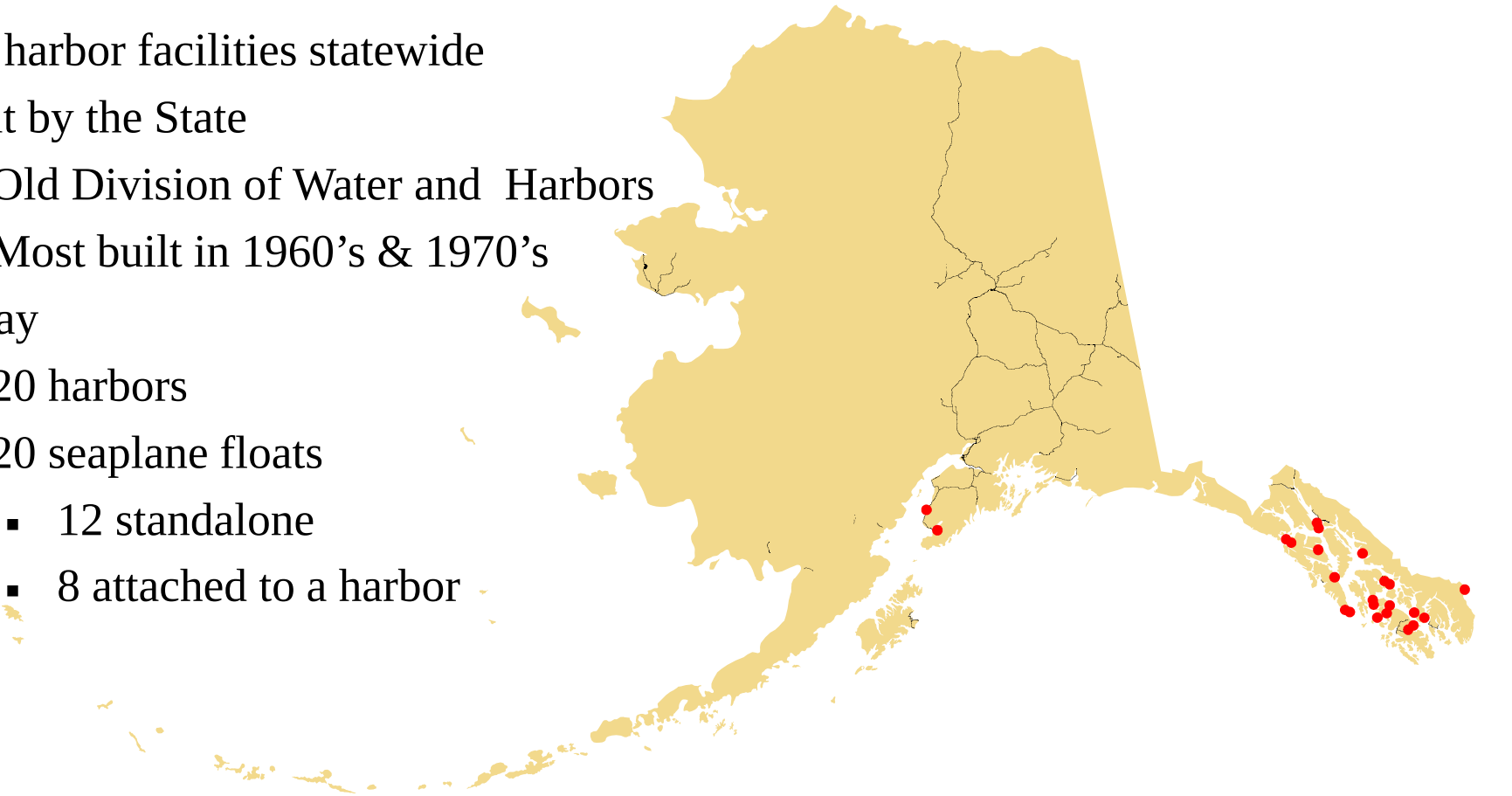


State Ports and Harbors Engineer

- Manages DOT&PF investments in navigation projects.
- Maximizes federal investment in Alaska's marine infrastructure.
- Provides policy and guidance to regional functions (i.e., planning, design, construction, maintenance and operations).
- Maintains database of conditions of DOT&PF harbor facilities and prioritizes harbor M&O projects.
- Assists local government with their water transportation needs, providing technical and financial assistance.
- Administers the 50/50 matching Municipal Harbor Facility Grant program.

Largest harbor owner

- 132 harbor facilities statewide
- Built by the State
 - Old Division of Water and Harbors
 - Most built in 1960's & 1970's
- Today
 - 20 harbors
 - 20 seaplane floats
 - 12 standalone
 - 8 attached to a harbor





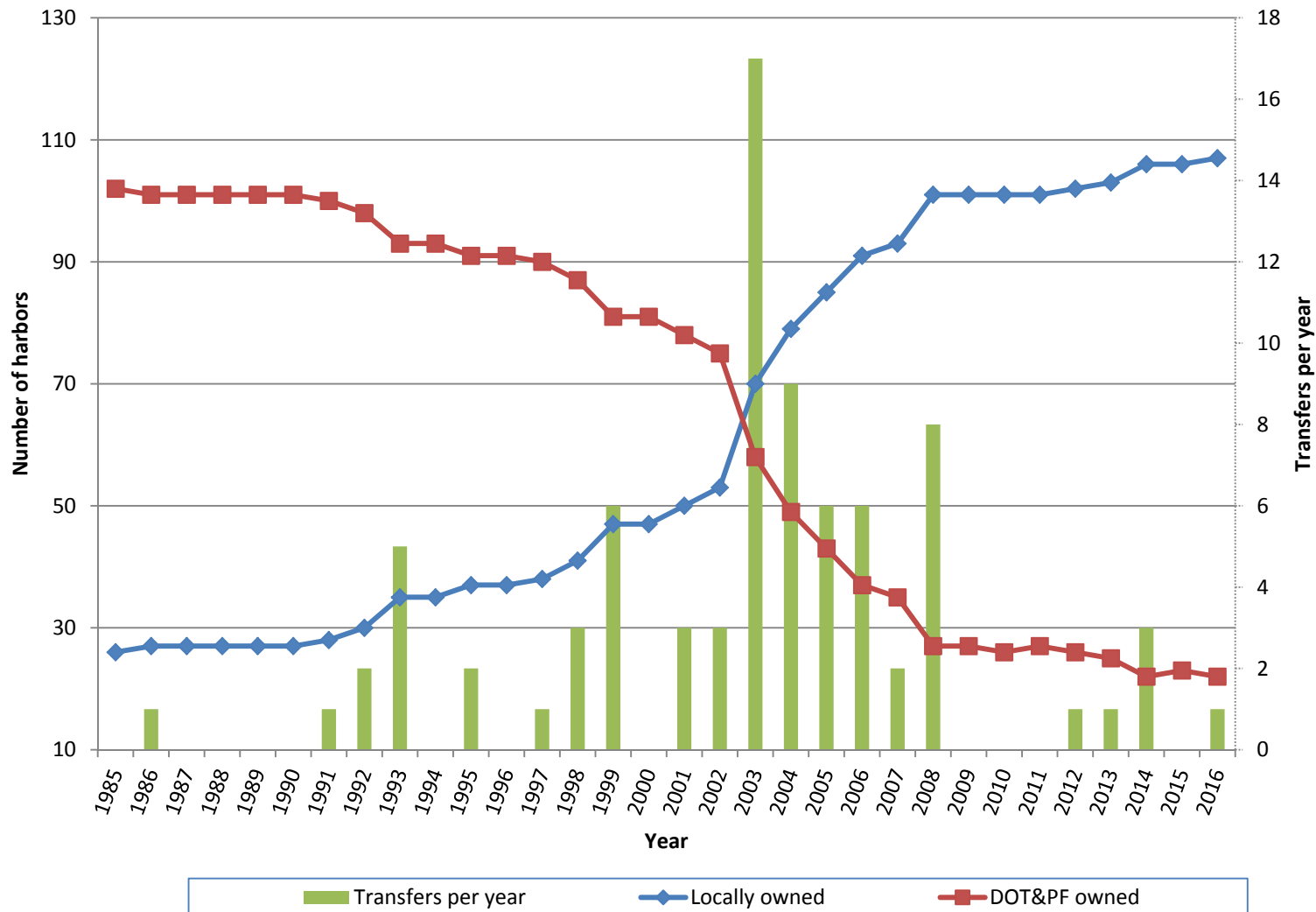
- Deferred Harbor Maintenance
 - Deferred maintenance backlog = \$15.7 million
 - No dedicated M&O staff
 - \$80K harbor maintenance allocation in SLA16
 - Average facility age = 29 years, oldest is 66 years old!
 - Most major harbor maintenance projects cost \$1 million
 - Recently replaced DOT&PF harbor facilities: Hyder (2010), Port Alexander Inner (2011), Kasaan (2012), Tenakee (2014), Naukati (2014), Elfin Cove Outer (2016), Baranof (2016)
 - In construction: Port Alexander Outer (2017)



Preservation of harbor facility

- Transfer of ownership is the most efficient way for these assets to be preserved.
 - Promotes local ownership of the facility and the responsibility to advocate locally for preservation and quality of facility.
 - Strengthens the State's position that fees must cover all expenses, including capital replacement.
 - Reduces the long term state burden to preserve and make improvements.
- State to local ownership is an objective that satisfies the administration and legislature.

To date - 82 harbor transfers



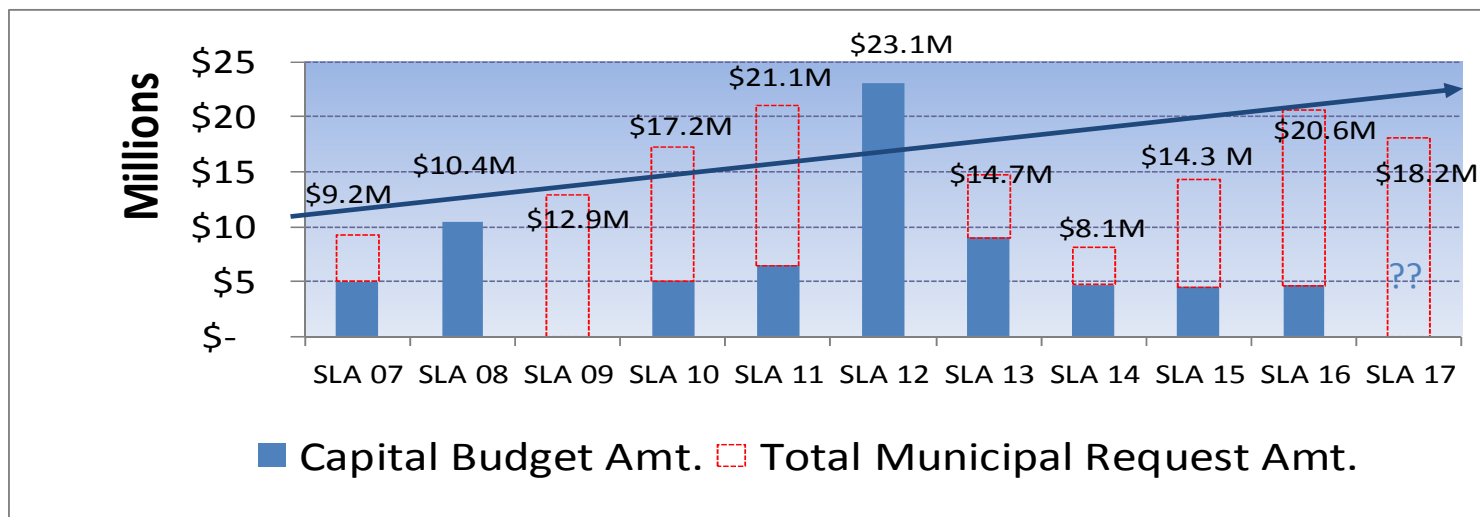


Local government assistance

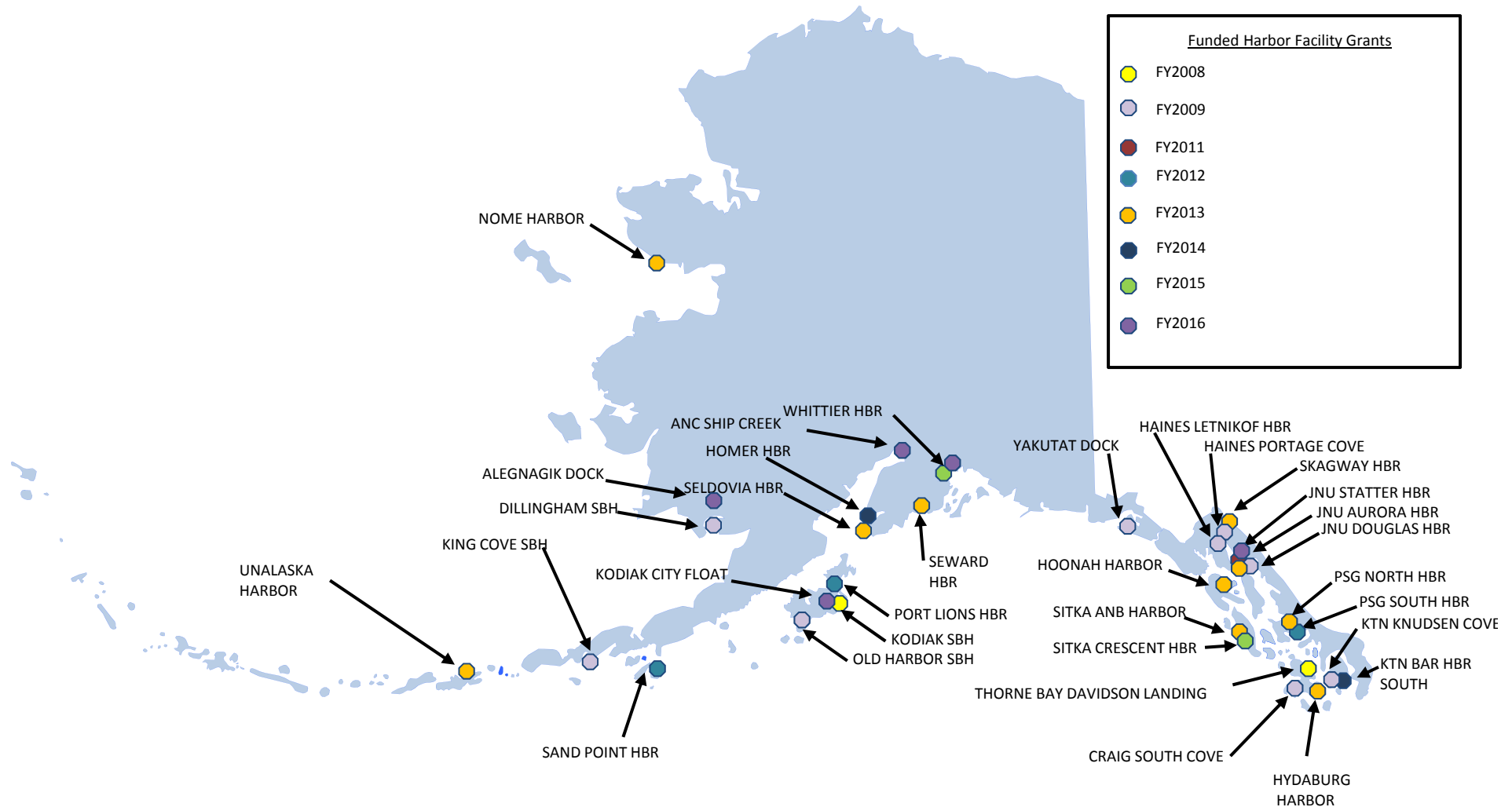
- Deferred maintenance and transfer (AS 35.10.120)
 - A formal resolution declaring local government's intent to take over harbor ownership from DOT&PF
- Bond debt service for certain named port and harbor projects (AS 29.60.700)
 - Matanuska-Susitna Borough, Valdez, Akutan, False Pass, Unalaska, Fairbanks North Star Borough, Fairbanks, Chignik, Nome
- Municipal Harbor Facility Grant (AS 29.60.800)
 - State 50/50 matching grant program
- Corps of Engineer projects (AS 35.10.090)
 - Requires a formal letter asking for technical and financial assistance

Harbor Facility Grant Program

- Purpose: State funding for Small Boat Harbors
- State money only for construction projects
- State provides 50/50 matching funds
 - Maximum of \$5 million per municipality per year
 - Minimum state match of \$50,000
- Projects locally inspired and managed
- Competitive process



Municipal Harbor Facility Grants



Corps of Engineers projects

- Positive Benefit to Cost ratio ($B/C > 1.0$)
- Arctic Deep Draft Port Study
 - In 2011, entered into a cooperative joint agreement to investigate and conduct a study for a deep water port in the Arctic
 - Identified fourteen sites for in-depth study
 - Three sites short listed and studied in-depth
 - Point Spencer/Port Clarence, requires new 27 mile road at cost of \$137.2 million
 - Port of Nome
 - Cape Riley (Teller), new 5.5 mile road at a cost of \$13.7 million
 - The preferred alternative is to expand the Port of Nome.
 - Extend causeway 2,150 feet and build a 450 foot long dock
 - Deepen port to -28 feet
 - $B/C = 1.75$
 - The Corps suspended the project in October 2015 after Shell Oil discontinued its oil and gas exploration activities in the Arctic





Thank you

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Transportation is an *economic driver*

- Preserve, operate, and modernize existing infrastructure
- Provide transportation services
- Federally funded capital improvement projects

Impacts *daily quality of life*

- Safety
- Mobility
- Connectivity

