

# PORT OF PORTSMOUTH-NEWINGTON NEW HAMPSHIRE' MARINE HIGHWAY



**Freight Summit - March 22, 2018**

# PEASE DEVELOPMENT AUTHORITY DIVISION OF PORTS AND HARBORS “PORT AUTHORITY”



- The management, maintenance, operation and maritime security of:  
State owned deep water, public access, general cargo marine terminal  
Passenger/ferry, commercial fishing and recreational vessel facilities in  
Portsmouth, Rye and Hampton Harbors
- The Permitting of moorings and placement of aids to navigation in tidal waters
- The Licensing of harbor, river and docking pilots
- Maintaining and dredging channels, harbors and anchorages
- Establishing and maintaining Foreign-Trade Zones in New Hampshire
- Management of a Revolving Loan Fund for commercial fishermen

An aerial photograph of the Piscataqua River in New Hampshire, showing several bridges and surrounding urban areas. The river flows from the top left towards the bottom right. In the foreground, a large town with many buildings is visible. Several bridges cross the river at different points. Labels in white text identify the bridges: 'Rt. 16 Bridge' at the top, 'I-95 Bridge' in the middle, 'Rt. 1 By-Pass Bridge' below it, and 'Rt. 1 Bridge' further down. At the bottom right, the text 'PISCATAQUA RIVER' is written in large white letters.

**Rt. 16 Bridge**

**I-95  
Bridge**

**Rt. 1 By-Pass  
Bridge**

**Rt. 1  
Bridge**

**PISCATAQUA RIVER**

# PILOTAGE

A pilot is a licensed merchant mariner, who by qualification and experience, is licensed by the U.S. Coast Guard and the State, to act as a pilot (guide) aboard vessels transiting local waters designated as the “Pilotage Area”

A pilot must have experience and knowledge of the handling characteristics of the various vessels which may from time to time transit the pilotage area

All foreign flagged vessels and vessels over 10,000 gross tons are required to have a State pilot on board

LPG Tanker



# 2017 VESSEL TRAFFIC

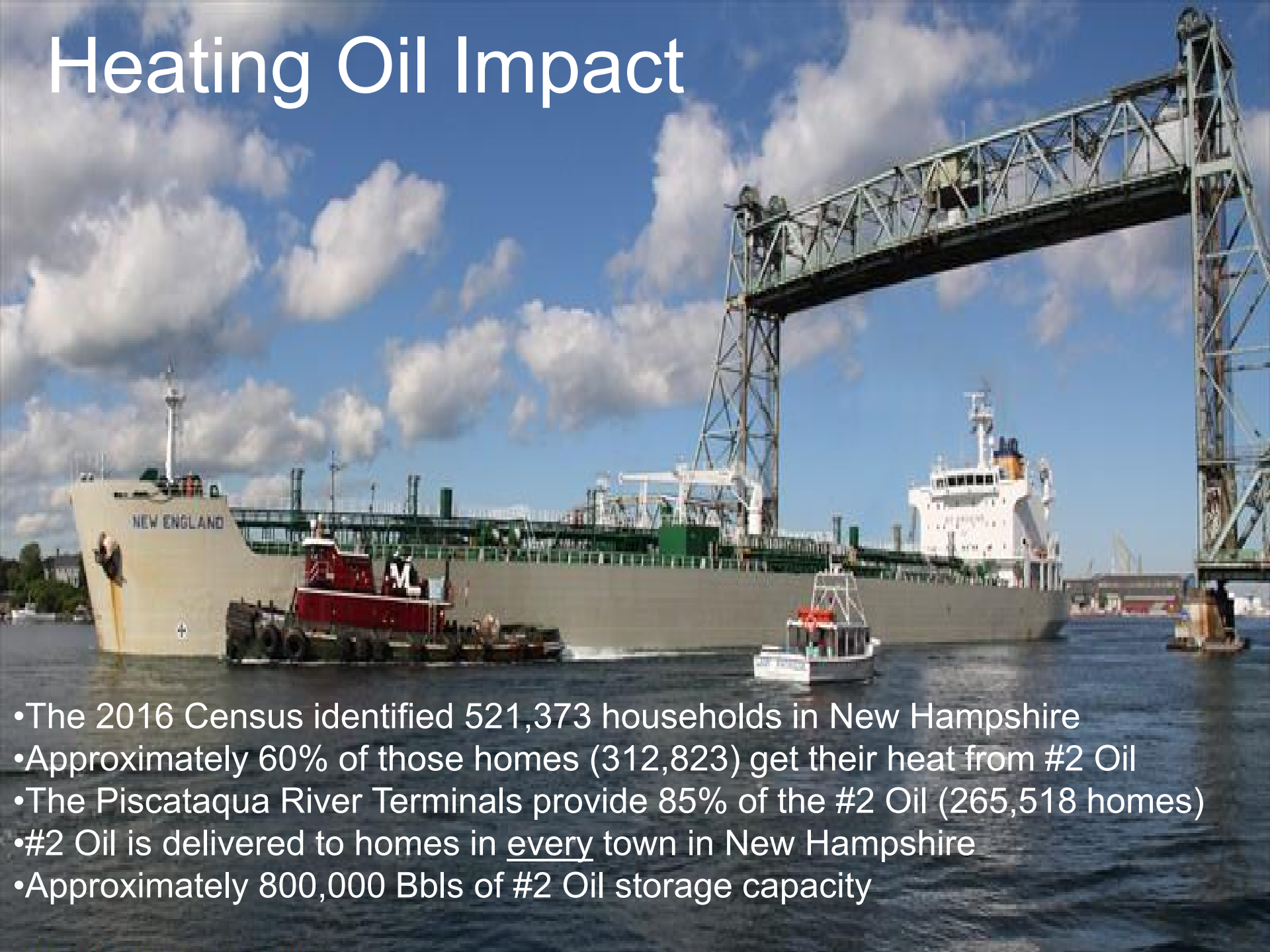
157 VESSELS CARRIED 2,589,802 TONS OF CARGO



- Liquid Bulk 1,373,502 tons
- Dry Bulk 1,165,300 tons
- Project Cargo 51,000 tons

Heavy Lift Ship

# Heating Oil Impact



- The 2016 Census identified 521,373 households in New Hampshire
- Approximately 60% of those homes (312,823) get their heat from #2 Oil
- The Piscataqua River Terminals provide 85% of the #2 Oil (265,518 homes)
- #2 Oil is delivered to homes in every town in New Hampshire
- Approximately 800,000 Bbls of #2 Oil storage capacity

# LIQUID ASPHALT

2017 - 24 Petrochemical Tankers entered Portsmouth Harbor

211,900 Tons of Liquid Asphalt landed

Liquid Asphalt makes up 5% of pavement – 95% aggregate

Landings produce 4,283,000 tons of pavement

Equates to - 3,567 MILES OF ROAD LANE PAVED (12' wide - 3" thick)



Petrochemical Tanker

# ROAD DE-ICING SALT



**2017**

- **14 Dry Bulk Carriers discharged 509,500 tons**
- **NH-DOT used 225,000 tons**
- **189,980 tons (85%) came from terminals on the Piscataqua River**



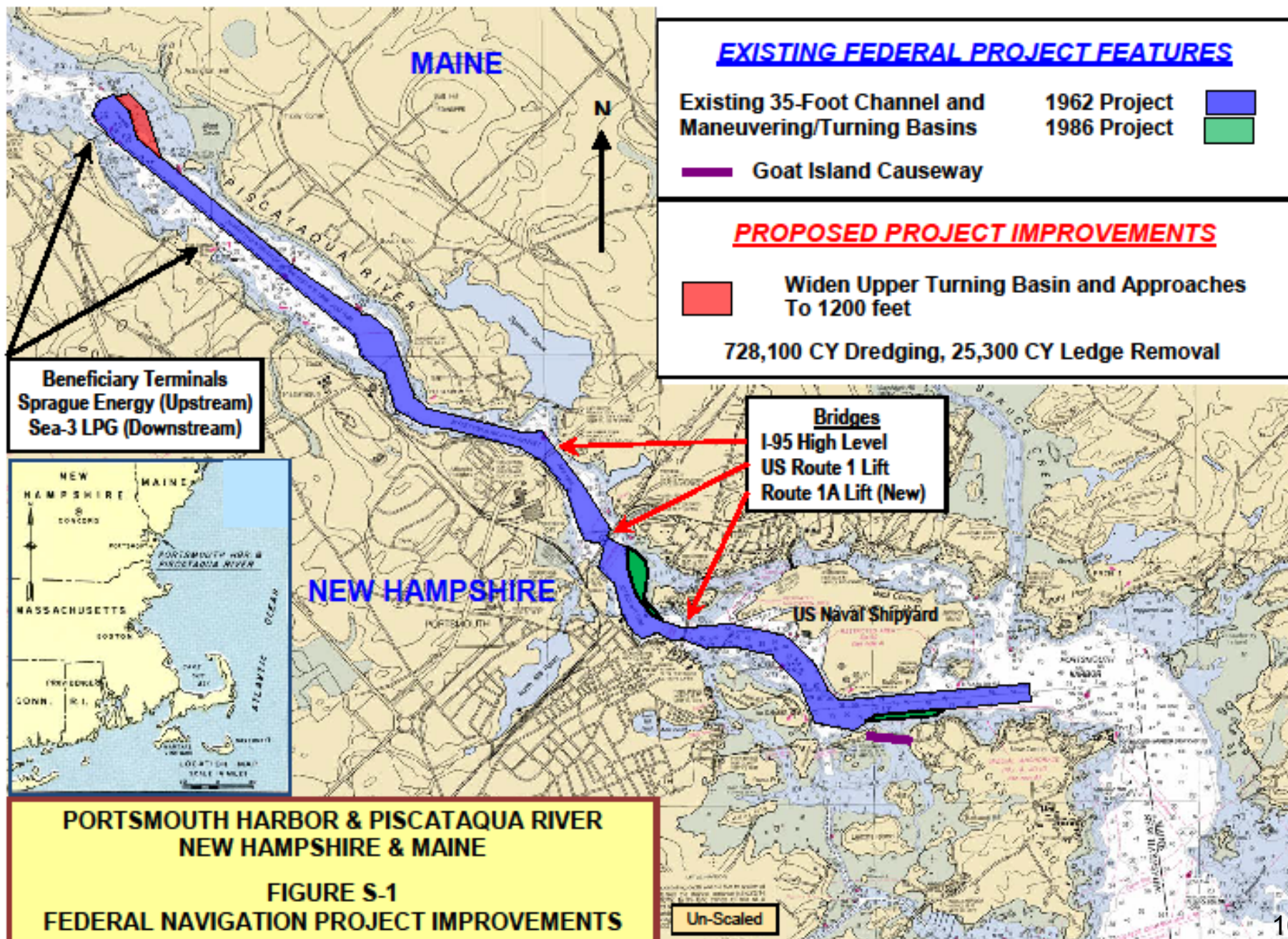
# DREDGING



- Division is the sponsoring agency for all public dredging projects
- One anchorage in Hampton is solely the responsibility of the State of New Hampshire
- Federal maintenance projects are 100% federal funds
- Federal expansion projects are cost shared with New Hampshire

**PROJECTS ARE DEPENDENT ON STATE AND FEDERAL FUNDING**

# Recommended Plan in Context



# TURNING BASIN



**CSL TACOMA**  
**OLD BRIDGE**



# CSL TACOMA NEW BRIDGE



Richard Hopley  
[CreativePhotography@comcast.net](mailto:CreativePhotography@comcast.net)

# MARKET STREET MARINE TERMINAL

Deep Water  
General Cargo  
General Use  
Public Access

2001 Photo



# MAIN WHARF



## BULK CARGO

- Road Salt
- Gypsum Rock
- Scrap Metal
- Aggregate

# BARGE DOCK



**NEW LOCATION OF BRIDGE**

**Container and General Cargo**



# BARGE DOCK

NEW LOCATION OF BRIDGE

Project Cargo and Marine Construction



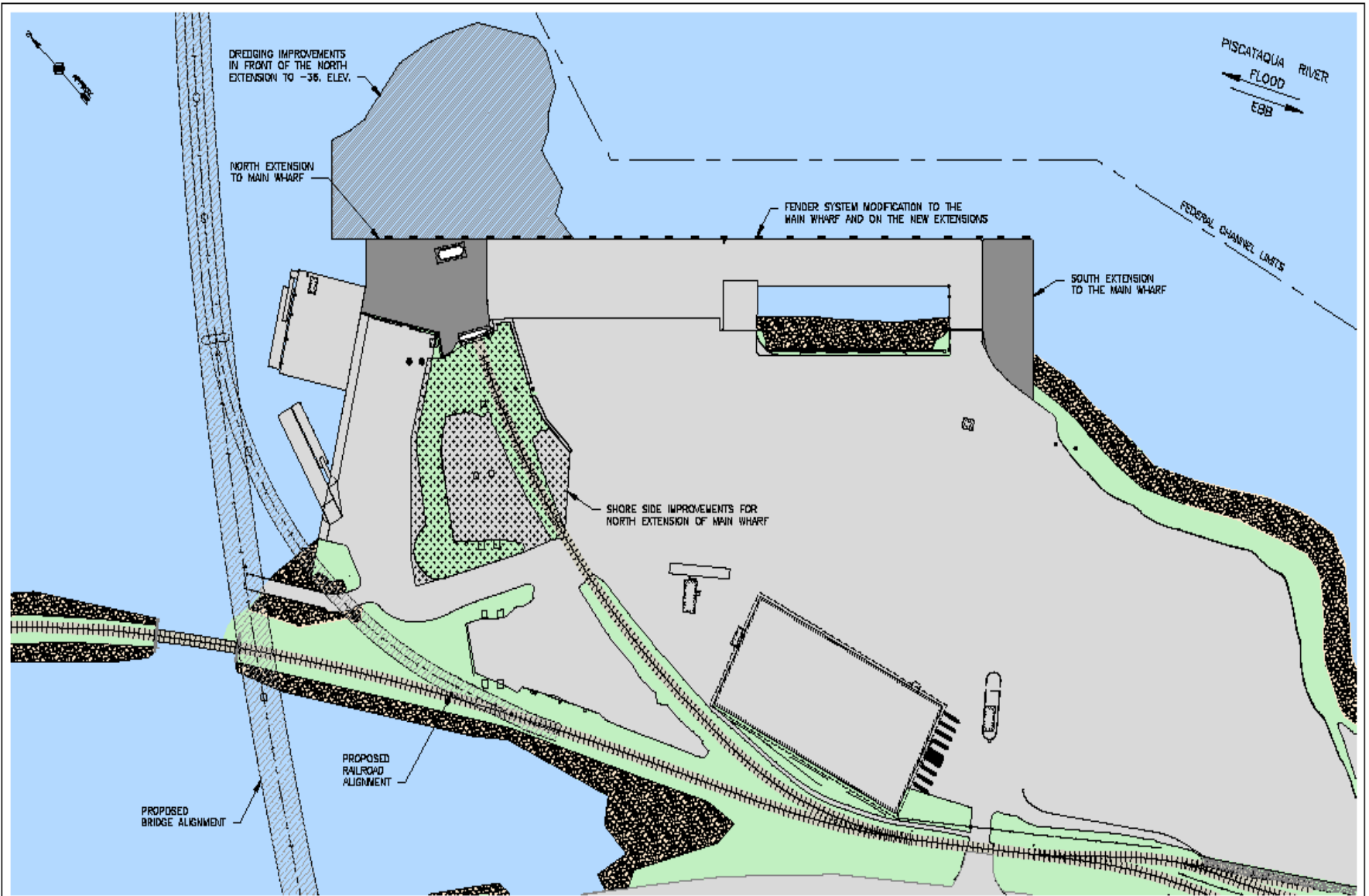
# SARAH LONG BRIDGE REPLACEMENT PROJECT



Nov. 2016



Aug. 2017



GRAPHIC SCALE 0      100'      200' 	DATE	<b>APPLIED MARINE ENGINEERING, INC.</b> PORTSMOUTH, N.H.	PEASE DEVELOPMENT AUTHORITY DIVISION OF PORTS AND HARBORS PORTSMOUTH, NH	
	JANUARY 2014		MARKET STREET      PORTSMOUTH, NH CONCEPTUAL REPORT OPTION OVERVIEW PLAN	FIG. NO. 4

# DIVISION OF PORTS AND HARBORS

**Plan for the Maintenance and Development of the Ports and Tidal Waters  
Foster and Stimulate Commerce and the Shipment of Freight through the  
State's Ports  
RSA: 12-G**

