



A presentation to:

## Wisconsin Commercial Port Association



WISCONSIN  
PORTS

September 16, 2022 | Foth Team

## Agenda

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- ◆ Introductions – Foth Team
  - **Joe Liebau** – Client Manager
  - **Michele Frozena** – Client Director
  - **Monica Wahlberg** – Grant Specialist
- ◆ Foth Overview
- ◆ Services
- ◆ Projects
- ◆ Contact info

**Our Purpose:**  
Solving our clients'  
toughest science and  
engineering challenges.



## about **FOTH**

28

Locations across the nation



80+

Years in  
business

650+

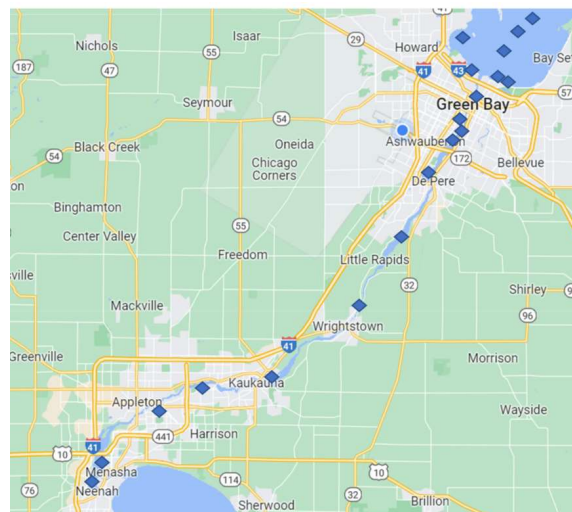
Members,  
217 member  
owners

## Foth Corporate Overview

- ◆ Largest Wisconsin based engineering firm – Production Solutions, Infrastructure and Environment
- ◆ Mid-sized firm that quickly adapts to changing project conditions, client demand and overall market conditions
- ◆ Deep bench for technology, design, engineering and construction management
- ◆ Focus on innovation and successful delivery
- ◆ Ability to adapt from small to large projects

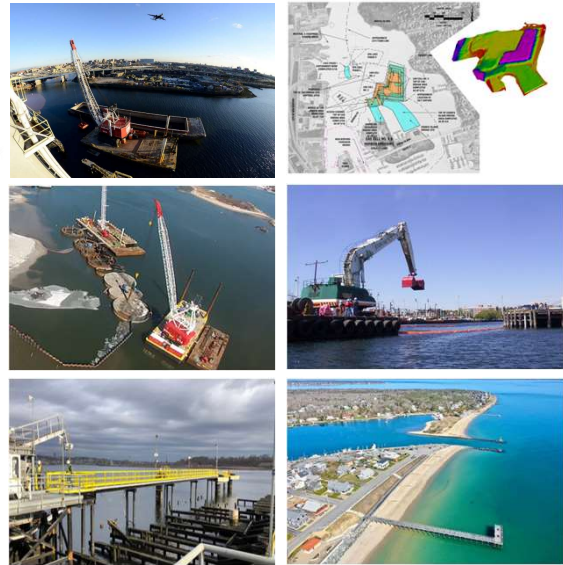


## Great Lakes to the Fox River



## Dredging and Marine Infrastructure

- ◆ Multi-beam surveys
- ◆ Geophysical Surveys
- ◆ Sediment Sampling and Rock Cores
- ◆ Shoreline Protection and Coastal Resiliency
- ◆ Berth and Channel Design
- ◆ Beneficial ReUse and Disposal Alternatives
- ◆ Confined Aquatic Disposal (CAD Cells)
- ◆ Confined Disposal Facilities (CDF)s
- ◆ Pile Supported Structures
- ◆ Bulkheads Cellular Cofferdams
- ◆ Breakwaters
- ◆ Beach Nourishment



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## Local Grant Work



- ◆ Duluth Port Logistics Hub Revitalization and Expansion, MN - \$11 million in grant funds
- ◆ S.S. Badger Docking Facilities, Ludington and Manitowoc, WI - \$9 million in grant funds
- ◆ Two Rivers, WI Waterfront - \$3.7 million in grant funds
- ◆ Saxon Harbor, WI - FEMA, USACE, Boating Infrastructure Grant, Clean Vessel Grant, Knowles-Nelson Stewardship Program
- ◆ Port Washington, WI Breakwater Repair - \$3.6 million in grant funds
- ◆ Kewaunee, WI Harbor Improvements - \$7.9 million in grant funds
- ◆ Experts in PIDP, HAP and other funding mechanisms



★ Foth

## Alternative Project Delivery

### Flexible Project Delivery Models:

- ◆ Design-Build
- ◆ Design-Bid-Build
- ◆ Turnkey
- ◆ Construction Management at Risk (CMAR)

### Advantages:

- ◆ Single point accountability
- ◆ Comprehensive project schedule and cost commitments
- ◆ Shorter end to end project duration
- ◆ Constructability is part of design, reducing cost and time
- ◆ Less Owner overhead and resources
- ◆ Flexible and highly responsive to design adaptation in the field



## The DeLong Company

- ◆ Foth Roles
  - Lead relationship and fund development
  - Design engineer for multi-prime general contractor
  - Pile supported foundation designer
  - Construction Support and Construction Observation



## The DeLong Company

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- ◆ Agricultural Maritime Export Facility

- \$25,424,543 raising through HAP and PIDP
- International export facility
- 40,000 bushels per hour loading capacity
- 1,500 to 3,000 train cars annually



## FMM - Foth Roles

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- ◆ Provide Fincantieri Marinette Marine Engineering & Permit Support

- Waterfront improvement project concept to final design development
- Coordination with City of Marinette & City of Menominee

- ◆ Waterway Improvement Permits

- U.S. Army Corps of Engineering
- Wisconsin Department of Natural Resources (WDNR)
- Michigan Environment, Great Lages & Energy (EGLE)

- ◆ Evaluate qualified contractor bids and assist FMM with contract award

- ◆ Perform daily observation & construction management; confirm permit compliance

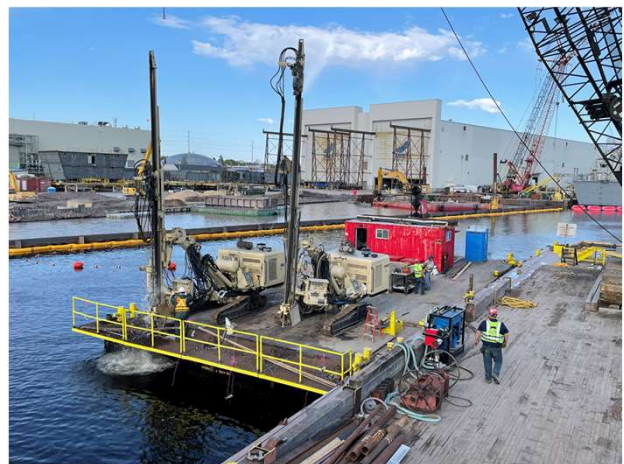


## FMM - The “Notch”



Foth

## FMM - Drill & Blast Barge Staging



Foth | Roen Salvage Company

## FMM - Bulkhead Wall



## FMM - General Site Layout

Aerial of Proposed Ship Lift Basin  
Old side launch in background; bubble curtain deployed; moon pool for dredging nav channel outside bubble curtain limits

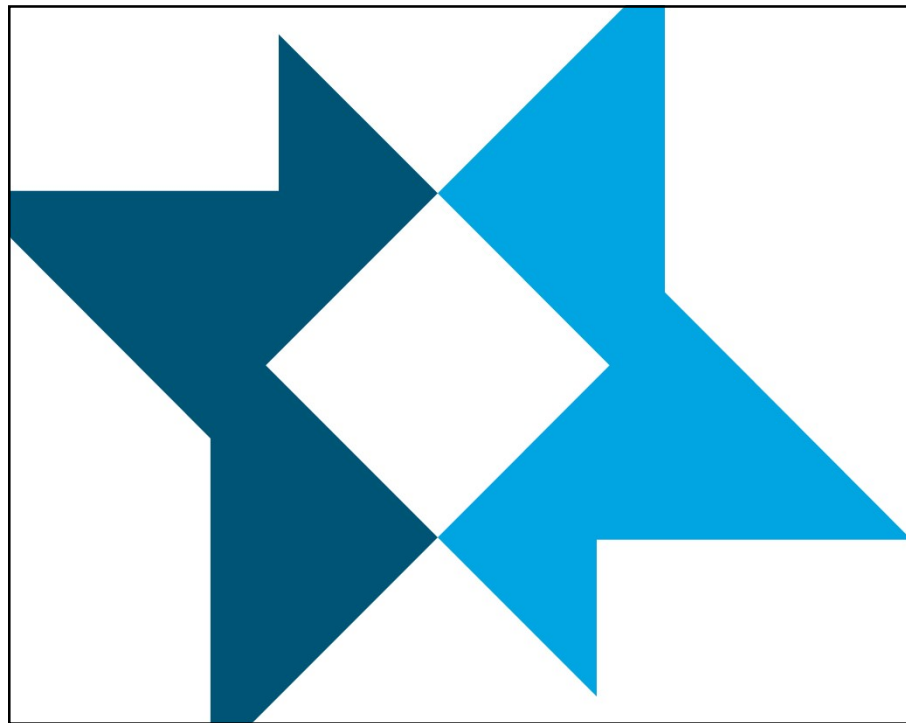




## FMM - Finished Project



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