

Lake Carriers' Association Captains Committee Meeting

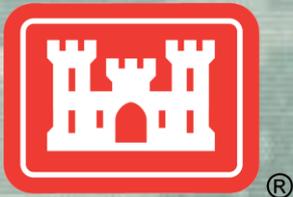
USACE

David Wright, Detroit District

Kevin Sprague, Soo Area Office

Detroit District

February 6, 2014



US Army Corps of Engineers
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Agenda

Winter Maintenance Work
Soo Rock Cut Wall Stabilization
FY14 Funding
Great Lakes Dredging
Soo Locks Asset Renewal
Open Discussion



2013-2014 Maintenance

Poe Lock

- Poe Hydraulic System Replacement
- Gate 1 Investigation and re-stressing

MacArthur Lock

- Concrete Repairs
- Valve Repairs
- Grouting
- Gate Anchorage Install

*A New Compressed Air Plant and distribution system will be completed in 2014.



Poe Lock Hydraulics



Poe Lock Hydraulics



New Cylinder at Gate 2N



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Fender Replacement



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2013 Rock Cut Wall Rehabilitation



2013 Work Area Approximately 1,000 Feet



2013 Aerial View and Work Area ~ Approximately 1,000 Feet



2013 Aerial View and Work Area ~ Approximately 1,000 Feet



The 2013 wall work is identical to this section of wall replaced in 2012.



FY14 Corps Funding Status

- Congress has passed a spending bill for FY14.
- In addition to project specific line items, bill includes several additional pots of funding identified for specific O&M activities (\$270M total).
- HQUSACE is in process of determining what additional project needs will be funded with the additional funding and has to report proposed plan back to Congress by end of February.
- Likely that the Great Lakes districts will receive additional project funding



FY 14 Conference Report

Great Lakes Navigation

\$94.9M Great Lakes Navigation Operations & Maintenance

Key Items in FY14 Conference Report

\$39.9M in Dredging (18 projects – 3.1M cubic yards)

\$10.6M in Dredged Material Management

\$1.6M in Soo Asset Renewal



FY 14 Conference Report

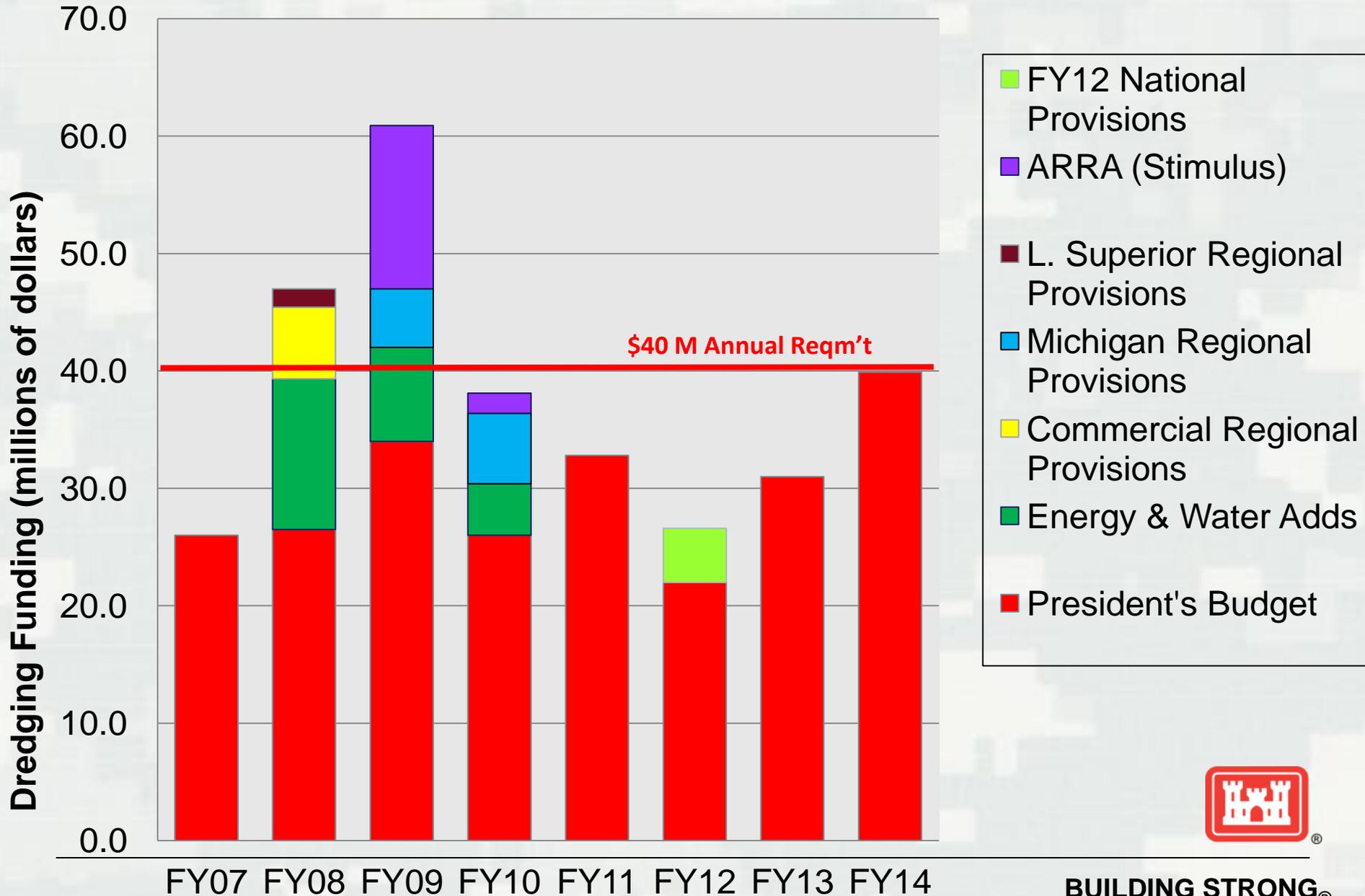
Dredging Projects

Duluth-Superior
Green Bay
Calumet
Indiana Harbor
Holland
Grand Haven
Lorain
Waukegan
St. Marys River

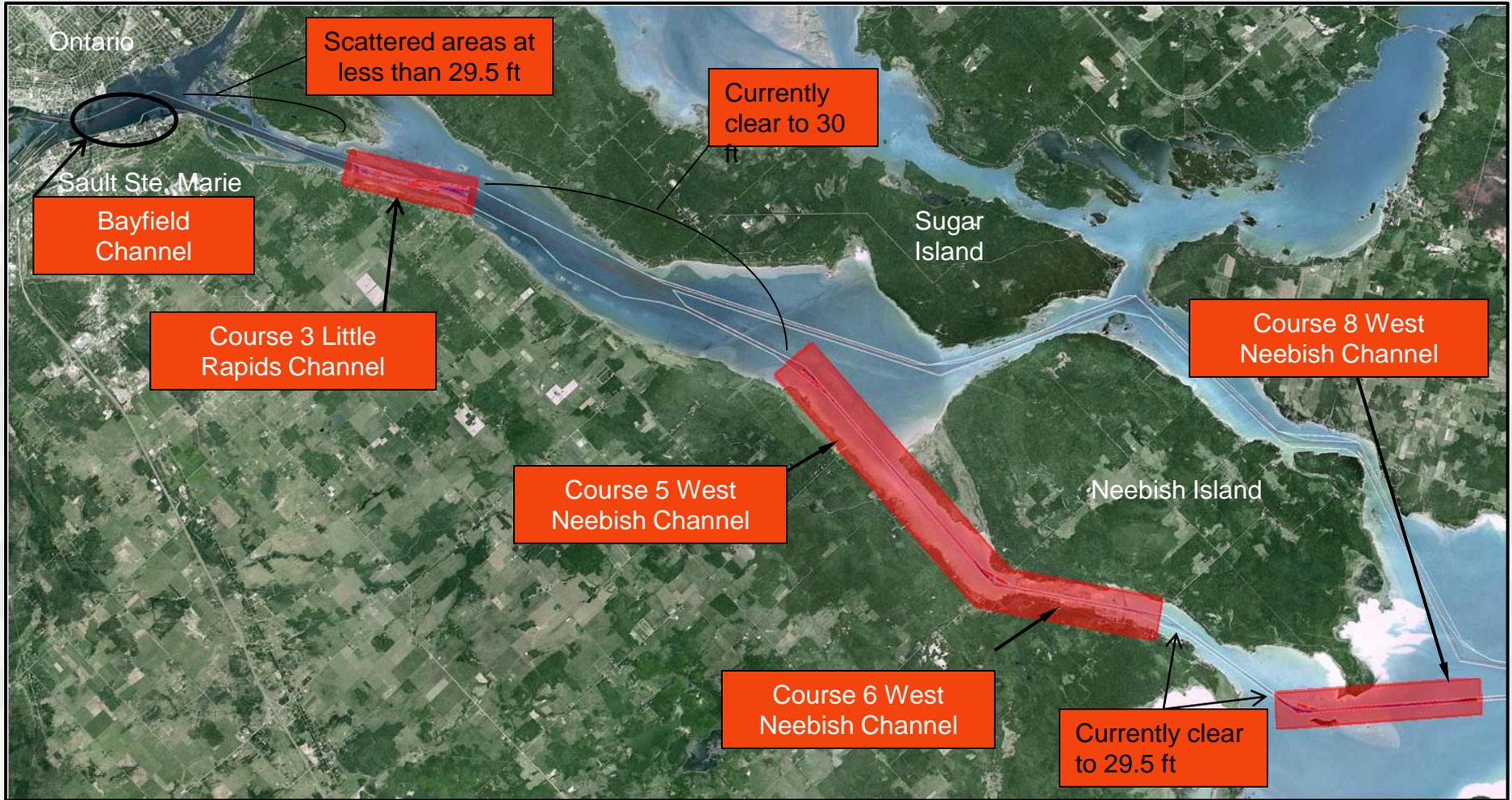
Saginaw River
Detroit River
Toledo
Sandusky
Cleveland
Ashtabula
Buffalo
Fairport
Burns Harbor



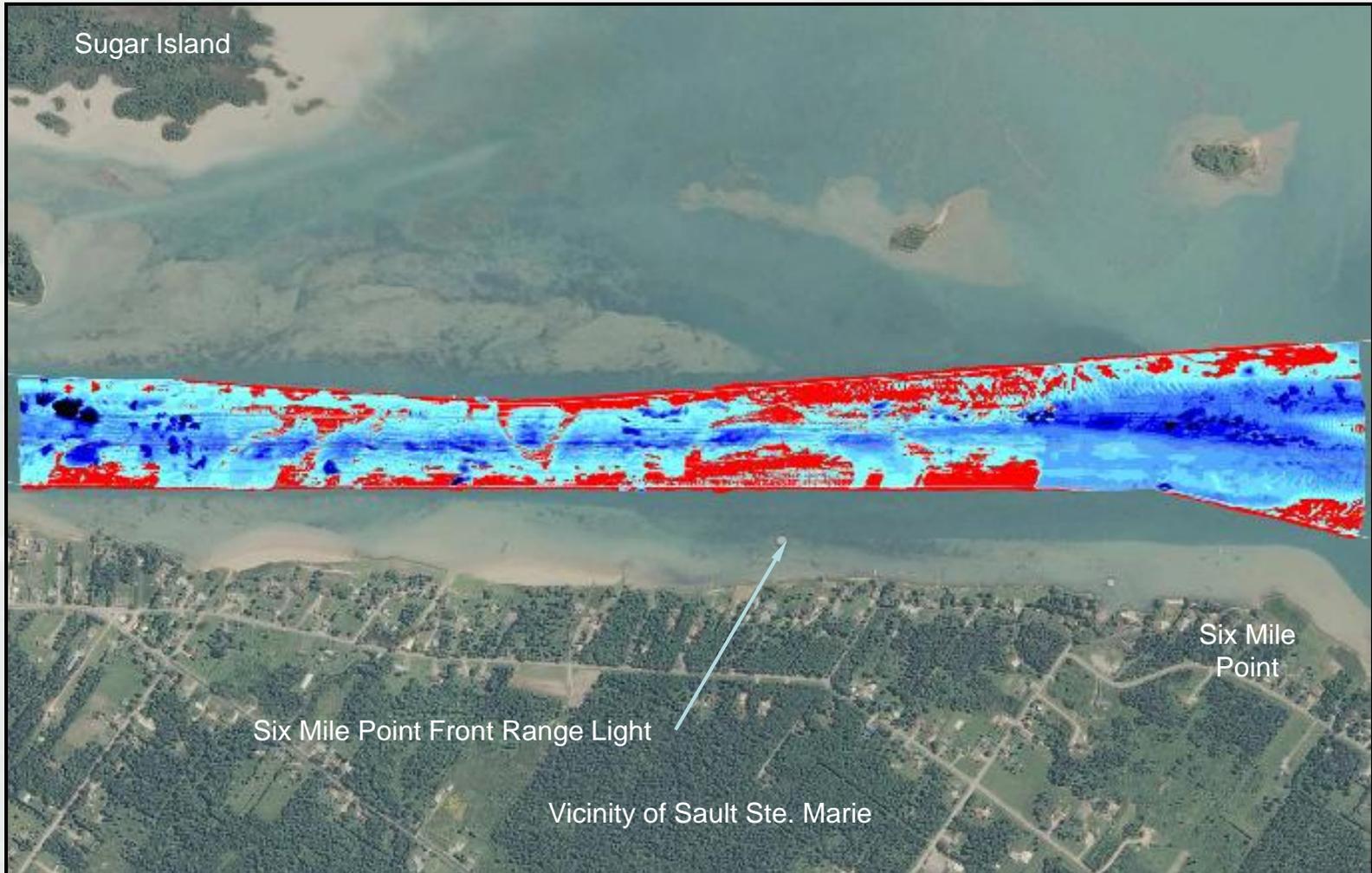
Dredging Funding Trends 2007 - 2013



LOWER ST. MARYS RIVER CHANNEL CONDITIONS



COURSE 3 LITTLE RAPIDS CHANNEL



Submitted Budget Pkg for FY15, Estimated Qty = 118,600 CY



COURSE 5 WEST NEEBISH CHANNEL



Submitted Budget Pkg for FY15, Estimated Qty = 217,000 CY



COURSE 6 WEST NEEBISH CHANNEL ROCKCUT



Government Plant



COURSE 8 WEST NEEBISH CHANNEL



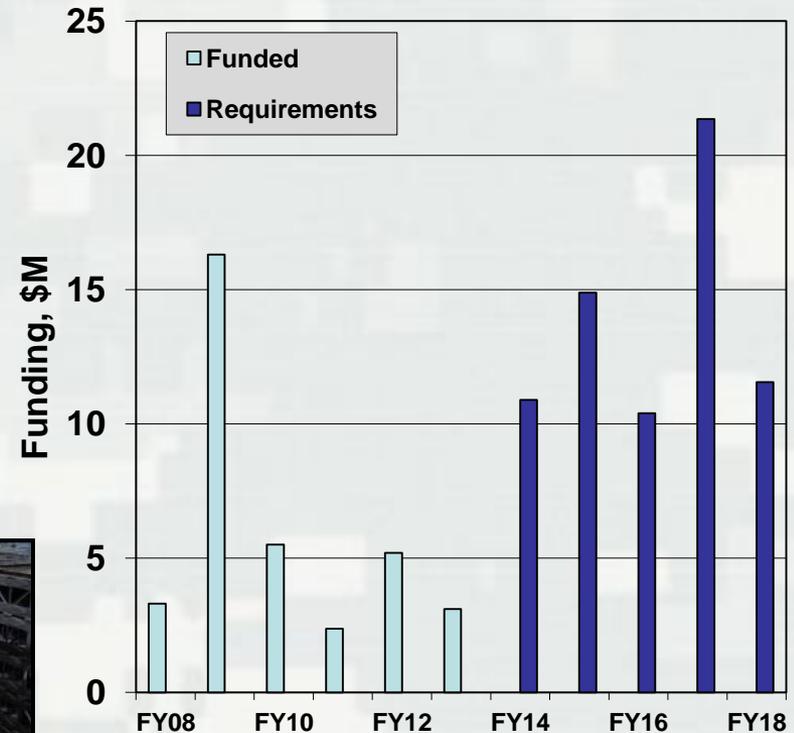
\$500K Budget Pkg in FY14 PBUD – removal of shoaling to project depth + advance maintenance



Soo Locks Asset Renewal Long-Term Plan

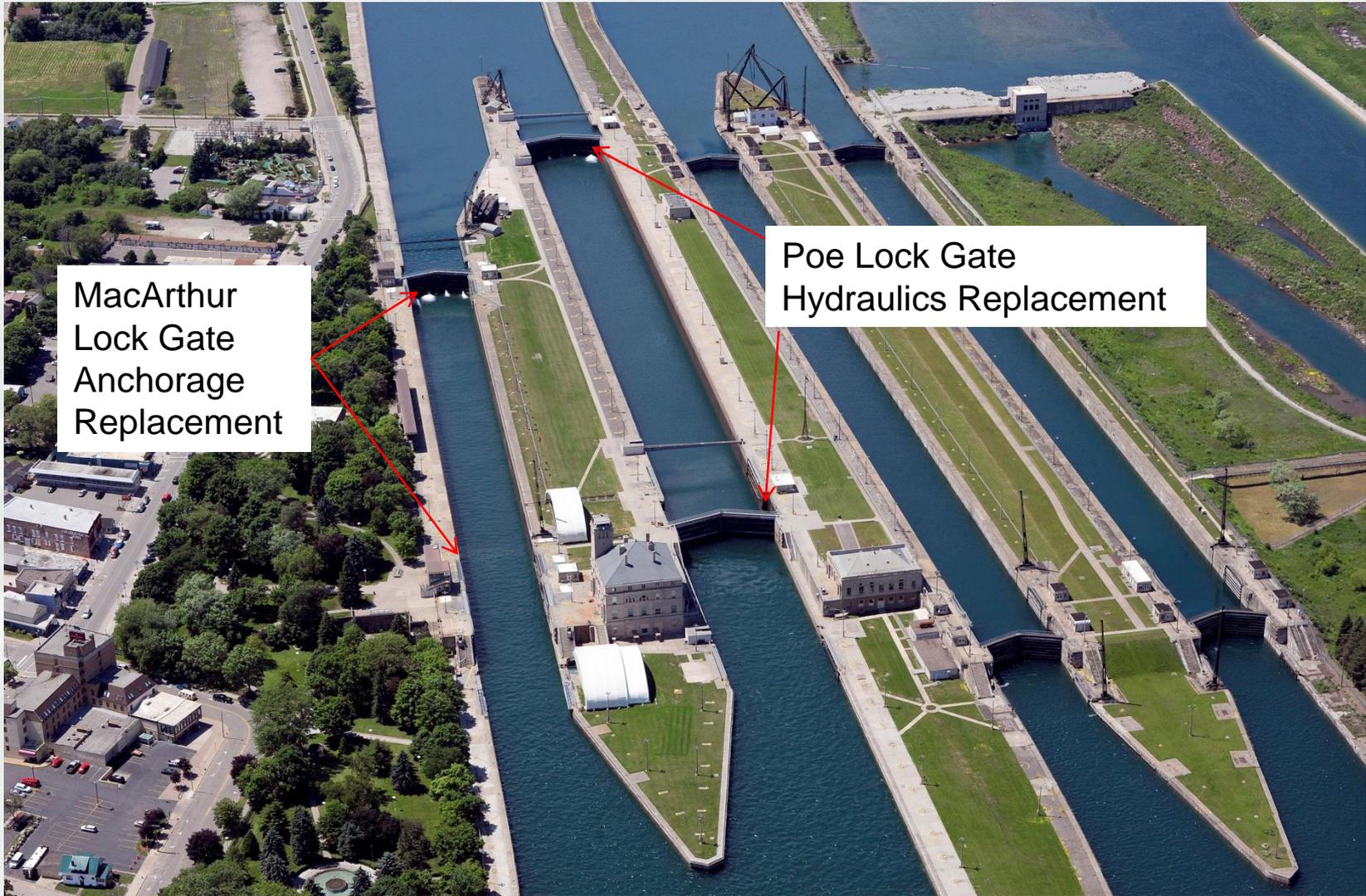
Asset Renewal Plan will maximize reliability and reduce risk through 2035

- \$35.9M funded to date through FY13
 - New hydraulics, stop logs, utilities
 - Crib Dam construction
 - Compressed Air System
 - Mac Lock modernization design
- Remaining funding required \$69 million over 5 years
 - Poe and Davis Pump Well Valves
 - Poe Electrical Rehabilitation
 - MacArthur Interlocks and Controls Upgrade



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Soo Locks Asset Renewal - Ongoing



MacArthur
Lock Gate
Anchorage
Replacement

Poe Lock Gate
Hydraulics Replacement



Poe Lock Hydraulics



New Cylinder at Gate 2N

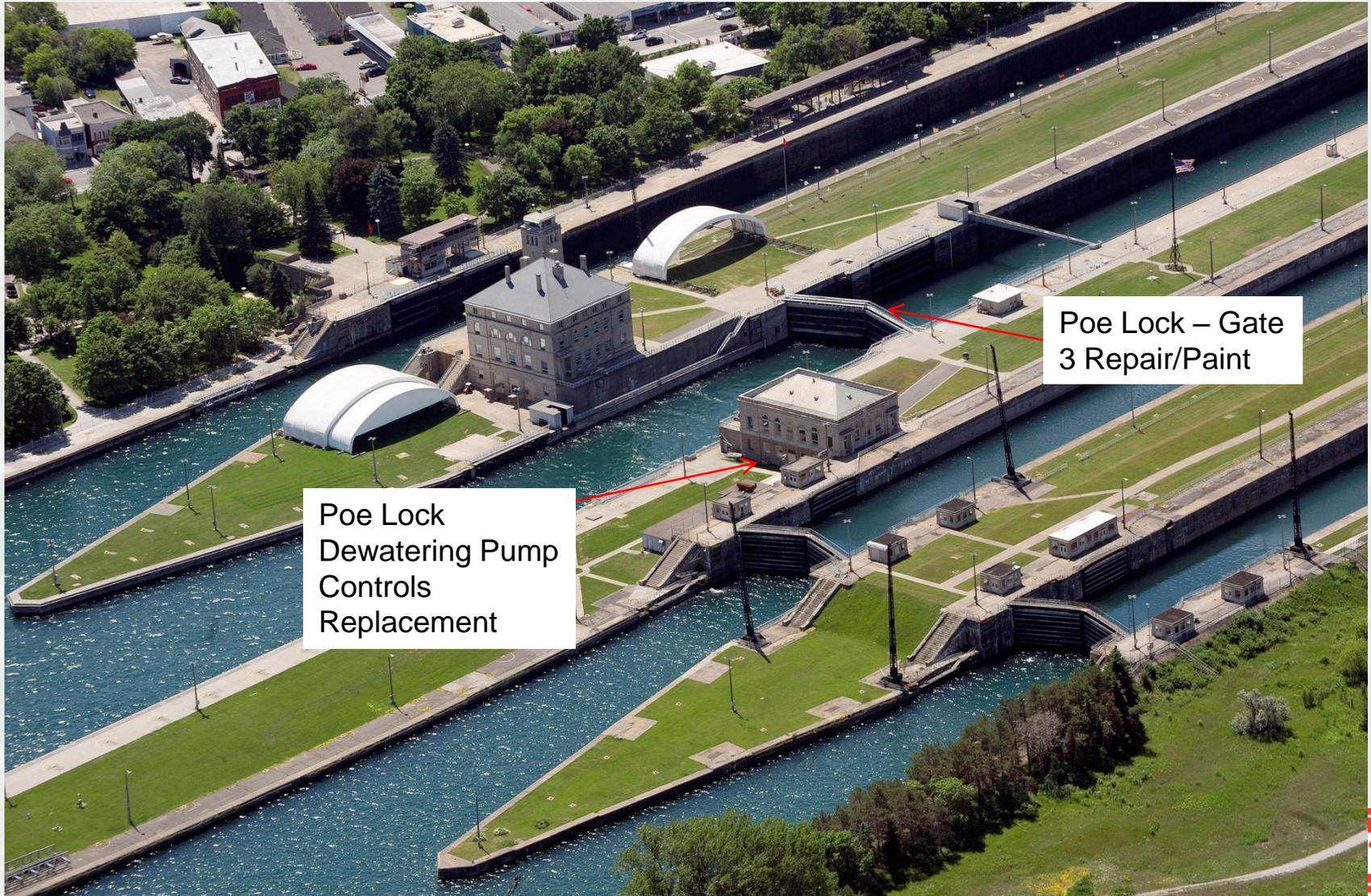


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MacArthur Lock Gate Anchorages



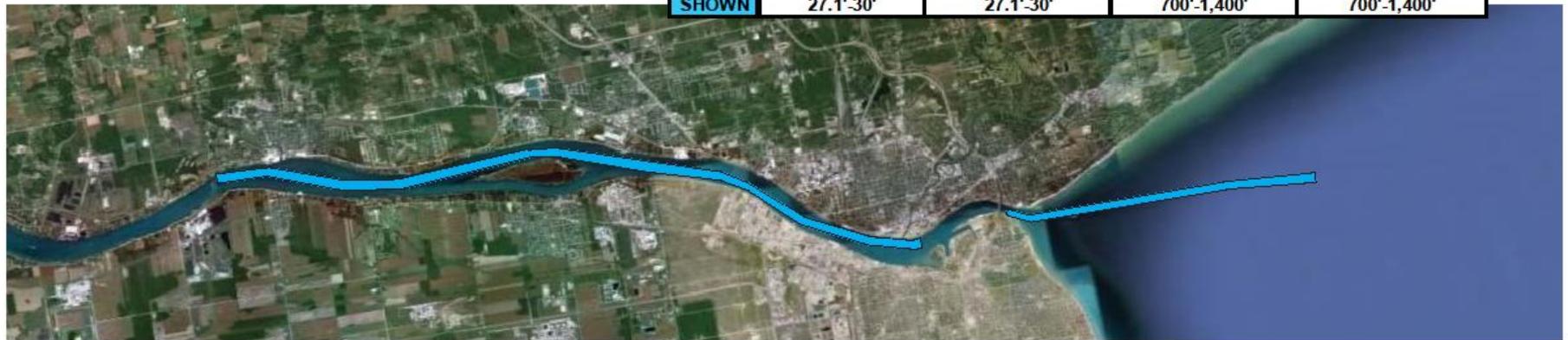
Soo Locks Asset Renewal - FY14 Spending Bill



St Clair River, Michigan



| AREA | DEPTH | | WIDTH | |
|-------|------------|-------------|-------------|-------------|
| | AUTHORIZED | RECOMMENDED | AUTHORIZED | RECOMMENDED |
| SHOWN | 27.1'-30' | 27.1'-30' | 700'-1,400' | 700'-1,400' |



Open Discussion on Locks, St. Marys River, Great Lakes Navigation



Key Great Lakes Contacts

GL Navigation Business Line Manager

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Questions?



WRDA 2000 Section 343 Authority

- The Corps has the authority to dredge below project depths under certain circumstances

- WRDA 2000 Section 343:

(b) Dredging Levels.--In operating and maintaining Federal channels and harbors of, and the connecting channels between, the Great Lakes, the Secretary shall conduct such dredging as is necessary to ensure minimal operation depths consistent with the original authorized depths of the channels and harbors when water levels in the Great Lakes are, or are forecast to be, below the International Great Lakes Datum of 1985.

- This provides authority; O&M funding for the additional dredging would also be needed

