

Great Lakes Navigation Business Line (Operations & Maintenance)

FY18 Final Appropriation – **With Workplan Additions**

11 June 2018

**Navigation O&M**      **\$158.6M [\$106.2M + \$52.4M]**

\$55.63M	Primary Dredging 4.46M CY [\$37.86M + \$17.77M / 3.0M CY + 1.46M CY Workplan Additions]
\$ 4.60M	Cleveland Harbor (\$3.3M + \$1.3M)
\$ 5.38M	Toledo Harbor
\$ 3.12M	Duluth-Superior Harbor
\$ 1.52M	Calumet Harbor
\$ 5.58M	Indiana Harbor
\$ 1.65M	Sandusky Harbor
\$ 0.65M	Monroe Harbor
\$ 2.18M	Burns Harbor
\$ 3.20M	Saginaw River
\$ 3.50M	Green Bay Harbor
\$ 1.10M	Grand Haven Harbor
\$ 0.66M	Manistee Harbor
\$ 1.65M	Conneaut Harbor
\$ 1.60M	Holland Harbor
\$ 0.77M	St. Joseph Harbor
\$ 2.00M	Waukegan Harbor
\$ 0.23M	Arcadia Harbor
\$ 1.35M	Ashtabula Harbor
\$ 0.42M	Au Sable Harbor
\$ 0.25M	Big Bay Harbor
\$ 0.27M	Bolles Harbor
\$ 0.33M	Caseville Harbor
\$ 1.00M	Channels in Lake St. Clair
\$ 0.40M	Frankfort Harbor
\$ 1.25M	Huron Harbor
\$ 0.90M	Keweenaw Waterway
\$ 0.27M	Lexington Harbor
\$ 2.50M	Lorain Harbor
\$ 0.28M	New Buffalo Harbor
\$ 1.50M	Ontonagon Harbor
\$ 0.27M	Pentwater Harbor
\$ 0.23M	Port Sanilac Harbor
\$ 1.00M	Milwaukee Harbor
\$ 0.80M	Rouge River
\$ 0.38M	Saugatuck Harbor
\$ 0.37M	South Haven Harbor
\$ 0.80M	Sturgeon Bay
\$ 1.05M	Two Rivers Harbor
\$ 0.31M	White Lake Harbor
\$ 0.31M	Whitefish Point Harbor

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\$11.32M	Dredged Material Management
\$ 4.90M	CDF Operations (Cleveland, Indiana, Saginaw)
\$ 4.75M	CDF Maintenance (Buffalo, Detroit River, Indiana, Saginaw)
\$ 0.62M	CDF Fill Management (Calumet)
\$ 1.05M	DMMP (Cleveland, Toledo, <b>Calumet \$0.4M</b> )
\$19.58M	Lock Operation & Maintenance (Black Rock, Chicago, Soo)
\$15.82M	Soo Locks Asset Renewal [\$8.90M + <b>\$6.92M</b> ]
\$ 3.30M	Mac Lock Embedded Anchorages
\$ 2.25M	Mac Lock Stop Log Repairs
\$ 3.05M	West Center Pier Rehab
\$ 0.30M	Davis Pump Well Design
<b>\$ 5.00M</b>	<b>Mac Lock Bulkhead Fabrication</b>
<b>\$ 0.40M</b>	<b>Mac Lock Ship Arrestor Boom Rehab</b>
<b>\$ 0.42M</b>	<b>Miter Gate Pendants</b>
<b>\$ 0.30M</b>	<b>Poe Lock Gate 1 Design</b>
<b>\$ 0.50M</b>	<b>Emergency Power Generator Replacement Engineering &amp; Design (E&amp;D)</b>
<b>\$ 0.30M</b>	<b>Emergency Flow Lock Closure Measures E&amp;D</b>
\$0.22M	Chicago Lock Maintenance
\$0.22M	Site Lighting Replacement/Upgrade
<b>\$0.10M</b>	Black Rock Lock Maintenance
<b>\$0.10M</b>	<b>Lock Chamber Resurfacing</b>
<b>\$18.96M</b>	<b>Structure Repair</b>
<b>\$ 0.45M</b>	<b>Ashland Harbor – Breakwater Repair</b>
<b>\$ 2.50M</b>	<b>Buffalo Harbor – Breakwater Repair</b>
<b>\$ 4.38M</b>	<b>Burns Harbor – Breakwater Repair</b>
<b>\$ 4.68M</b>	<b>Chicago Harbor – Breakwater Repair</b>
<b>\$ 6.50M</b>	<b>Cleveland Harbor – Breakwater Repair</b>
<b>\$ 0.20M</b>	<b>Cornucopia Harbor – Breakwater Repair E&amp;D</b>
<b>\$ 0.25M</b>	<b>Two Harbors – Breakwater Repair</b>
\$9.57M	Project Condition Surveys
\$11.16M	Floating Plant Repair Fleet (Calumet, Cleveland, Duluth-Superior, Indiana, Burns, Milwaukee, Conneaut, Fairport)
\$6.44M	Strike Removal (Detroit River, St. Clair, St. Marys River)
\$1.1M	Lake Michigan Diversion Accounting
\$0.25M	Regional Economic Data Collection (Cleveland)

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- \$0.25M Breakwater Assessments (Duluth-Superior)
- \$0.79M Waterway Safety Signage (Soo)
- \$0.025M Critical Breakwater Safety Maintenance (Keweenaw)
- \$6.70M Rock Removal (Calumet Harbor)
- \$0.20M Sediment Analysis (Toledo)
- \$0.20M Government Duluth Vessel Yard E&D Structure Repair
- \$0.30M Duluth Facility Security Maintenance

Navigation Construction General

\$57.58M Soo Locks Major Rehabilitation (CG Funding)

- \$42.0M Poe and Davis Pump Well System
- \$4.2M Poe Lock Ship Arrestors
- \$5.2M Mac Lock Tainter Valve
- \$6.2M Poe Lock Bulkheads