

Great Lakes Navigation Business Line (Operations & Maintenance)

FY18 Final Appropriation – **With Workplan Additions**

11 June 2018

**Navigation O&M**      **\$161.4M [\$106.2M + \$55.2M]**

\$55.63M	Primary Dredging 4.46M CY [\$37.86M + \$17.77M / 3.0M CY + 1.46M CY Workplan Additions]
\$ 2.18M	Burns Harbor
\$ 1.52M	Calumet Harbor
\$ 4.60M	Cleveland Harbor (\$3.3M + \$1.3M)
\$ 1.65M	Conneaut Harbor
\$ 3.12M	Duluth-Superior Harbor
\$ 1.10M	Grand Haven Harbor
\$ 3.50M	Green Bay Harbor
\$ 1.60M	Holland Harbor
\$ 5.58M	Indiana Harbor
\$ 0.66M	Manistee Harbor
\$ 0.65M	Monroe Harbor
\$ 3.20M	Saginaw River
\$ 1.65M	Sandusky Harbor
\$ 0.77M	St. Joseph Harbor
\$ 5.38M	Toledo 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, Calumet \$0.4M)
\$19.58M	Lock Operation & Maintenance (Black Rock, Chicago, Soo)
\$15.82M	Soo Locks Asset Renewal [\$8.90M + \$6.92M]
\$ 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
\$ 5.00M	Mac Lock Bulkhead Fabrication
\$ 0.40M	Mac Lock Ship Arrestor Boom Rehab
\$ 0.42M	Miter Gate Pendants
\$ 0.30M	Poe Lock Gate 1 Design
\$ 0.50M	Emergency Power Generator Replacement Engineering & Design (E&D)
\$ 0.30M	Emergency Flow Lock Closure Measures E&D
\$0.22M	Chicago Lock Maintenance
\$0.22M	Site Lighting Replacement/Upgrade
\$0.10M	Black Rock Lock Maintenance
\$0.10M	Lock Chamber Resurfacing
\$21.79M	Structure Repair
\$ 0.45M	Ashland Harbor – Structure Repair
\$ 2.50M	Buffalo Harbor – Structure Repair
\$ 4.38M	Burns Harbor – Structure Repair
\$ 4.68M	Chicago Harbor – Structure Repair
\$ 6.50M	Cleveland Harbor – Structure Repair
\$ 0.20M	Cornucopia Harbor – Structure Repair E&D
\$ 2.83M	Michigan City Harbor – Structure Repair
\$ 0.25M	Two Harbors – Structure Repair
\$6.70M	Rock Removal (Calumet Harbor)
\$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

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\$0.25M	Regional Economic Data Collection (Cleveland)
\$0.25M	Breakwater Assessments (Duluth-Superior)
\$0.79M	<b>Waterway Safety Signage (Soo)</b>
\$0.025M	<b>Critical Breakwater Safety Maintenance (Keweenaw)</b>
\$0.20M	<b>Sediment Analysis (Toledo)</b>
\$0.20M	<b>Government Duluth Vessel Yard E&amp;D Structure Repair</b>
\$0.30M	<b>Duluth Facility Security Maintenance</b>

**Navigation Construction General**

\$57.58M	Soo Locks Major Rehabilitation (CG Funding)
\$42.0M	Poe and Davis Pump Well System
\$4.20M	Poe Lock Ship Arrestors
\$5.20M	Mac Lock Tainter Valve
\$6.20M	Poe Lock Bulkheads