

**Navigation O&M    \$88.4M + \$55.8M = \$146.2M**

\$37.34M	Primary Dredging 2.61M cu yds (\$27.8M + \$9.5M / 2.36M cu yds + 0.255M cu yds)
\$1.18M	Burns Harbor
\$6.75M	Cleveland Harbor (\$5.75M + \$1.0M)
\$2.00M	Detroit River
\$3.00M	Duluth-Superior
\$0.60M	Grand Haven
\$3.00M	Green Bay Harbor
\$3.25M	Indiana Harbor
\$2.00M	Saginaw Harbor
\$0.88M	Sandusky Harbor
\$0.80M	St. Clair River
\$6.55M	Toledo Harbor (\$4.0M + \$2.55M)
\$1.37M	Waukegan
\$0.70M	Holland Harbor
\$1.30M	Manistique Harbor
\$1.33M	Monroe Harbor
\$0.80M	Vermillion Harbor
\$0.73M	Kenosha Harbor
\$1.1M	Ontonagon Harbor
\$9.65M	Project Condition Surveys
\$20.12M	Lock Operation & Maintenance
\$2.04M	Black Rock Lock
\$3.07M	Chicago Lock
\$15.0M	Soo Locks
\$12.51M	Floating Plant Repair Fleet (Burns, Calumet, Cleveland, Conneaut, Duluth-Superior, Fairport, Milwaukee, Two Harbors, St. Marys)
\$6.83M	Strike Removal (Detroit River, St. Clair, St. Marys River)
\$11.42M	Dredged Material Management (\$5.98 + \$5.44M)
\$4.69M	CDF Operations (Cleveland, Indiana, Saginaw)
\$0.65M	CDF Maintenance (Indiana)
\$0.64M	CDF Fill Management (Calumet)
\$3.5M	CDF Repairs (Buffalo Harbor)
\$0.64M	CDF Repairs (Manitowoc Harbor)
\$0.1M	CDF Design Deficiency Report (Buffalo Times Beach CDF)
\$0.80M	Dredged Material Management Plans (Ashtabula, Conneaut, Fairport, Huron, Lorain, Sandusky, Toledo)
\$0.40M	Predesign Assessment of Island 18

US Army Corps of Engineers  
Great Lakes Navigation Business Line  
FY20 Final Appropriation – With Workplan Additions  
10 Feb 2020

- \$20.3M Structure Design, Maintenance, Repairs
  - \$0.1M Evaluate South and Old Breakwaters - Buffalo
  - \$0.5M Repair South Breakwater Connector – Manistee Harbor
  - \$4.5M Repair East Breakwater – Great Sodus Harbor
  - \$3.0M Repair East Breakwater/West End – Cleveland Harbor
  - \$4.0M Repair N. Pier – Duluth-Superior Harbor
  - \$6.0M Repair Vessel Yard Structure – Duluth-Superior Harbor
  - \$2.2M E&D and Repair East Pier – Vermillion Harbor
  
- \$16.915M Soo Lock Maintenance, Repairs (\$2.6M + \$14.315M)
  - \$2.6M Poe Lock Gate 1 Repairs
  - \$0.5M Poe Lock Gate 1 Sill Repairs
  - \$8.0M Acquisition of Aquadigger to replace Nicolet for Strike Removal
  - \$0.665M Replacement of Davis Building and Boathouse Roof
  - \$4.4M Design and replace Harvey crane
  - \$0.25M Removal of red tagged stiff leg crane structure
  - \$0.50M Coordination and development of inwater placement of dredged material
  
- \$2.0M Black Rock Lock Repairs – Replace gate diagonal and pintle
  
- \$5.86M Chicago Lock Maintenance
  - \$4.94M Chamber wall resurfacing
  - \$0.72M Security lighting, cameras, alarms
  - \$0.2M Sector gates reliability study
  
- \$0.25M Regional Economic Data Collection (Cleveland)
- \$0.25M Breakwater Assessment Team (Duluth)
- \$0.86M Lake Michigan Diversion Accounting
  
- \$0.79M Waterway Safety Signs (Soo)
  
- \$0.56M Sediment Sampling Analysis (Ashtabula, Burns, Conneaut, Waukegan, Lorain, Vermillion)  
(\$0.4M + \$0.16M)
  
- \$0.11M Environmental Compliance (Calumet, Indiana, Sandusky, St. Marys)
  
- \$0.36M Dam Safety (Indiana Harbor, St. Marys, Chicago Lock) (\$0.17+\$0.19M)

**Navigation Construction General**

- \$125.33M New Soo Lock (\$75.3M + \$50M)
  
- \$12.3M Indiana Harbor CDF (HMTF reimbursed)