US Army Corps of Engineers
Great Lakes Navigation Business Line
FY21 Final Appropriation – With Workplan Additions
January 2021

**Navigation O&M**  $107.62M + $103.24M = $210.86M

- $48.62M Primary Dredging 3.69M cu yds ($37.55M + $11.07M / 3.12M cu yds + 0.57M cu yds)
  - $1.09M Ashtabula Harbor
  - $1.35M Burns Harbor
  - $3.22M Calumet Harbor
  - $7.58M Cleveland Harbor ($6.45M + $1.13M)
  - $0.91M Conneaut Harbor
  - $3.13M Detroit River
  - $2.35M Duluth-Superior Harbor
  - $1.60M Erie Harbor
  - $2.63M Green Bay Harbor
  - $1.32M Huron Harbor
  - $2.34M Indiana Harbor
  - $1.29M Rochester Harbor
  - $1.13M Rouge River
  - $2.70M Saginaw River ($2.63M + $0.07M)
  - $1.05M Sandusky Harbor
  - $5.06M Toledo Harbor
  - $2.13M Channels in Lake St Clair
  - $1.66M Grand Haven Harbor
  - $1.63M Holland Harbor
  - $1.41M Fairport Harbor
  - $1.69M Lorain Harbor
  - $1.35M Waukegan Harbor

- $9.93M Project Condition Surveys

- $23.47M Lock Operation & Maintenance
  - $1.98M Black Rock Lock
  - $3.35M Chicago Lock
  - $18.14M Soo Lock

- $4.50M Black Rock Lock Asset Renewal – Upper and Lower Miter Gate Fabrication

- $12.55M Floating Plant Repair Fleet (Ashtabula, Buffalo, Burns, Calumet, Chicago, Cleveland, Duluth-Superior, Keweenaw, Sturgeon Bay)

- $7.22M Strike Removal
  - $2.86M Detroit River
  - $0.58M St. Clair
  - $3.78M St. Marys River

- $10.44M Dredged Material Management ($5.94M + $4.5M)
  - $4.68M CDF Operations (Cleveland, Indiana)
  - $0.45M CDF Maintenance (Indiana)
  - $0.66M CDF Fill Management (Calumet)
  - $0.15M Dredged Material Management Plan (Keweenaw, Manitowoc)
  - $0.35M Pointe Mouillee CDF Maintenance (Detroit)
  - $3.55M CDF Maintenance (Cleveland)
  - $0.33M Upper Saginaw CDF Operations (Saginaw)
$0.27M CDF and DMDF Maintenance (Saginaw)

$34.84M Structure Design, Maintenance, Repairs
$13.5M North breakwater repair Phase 1 – Buffalo Harbor
$10.5M Construction west breakwater repair – Cleveland Harbor
$3.00M Detached breakwater repairs – Kenosha Harbor
$0.40M Design for breakwater repairs – Milwaukee Harbor
$3.95M South breakwater repairs – Port Washington Harbor
$1.50M Complete breakwater repairs Phase 2 – Sheboygan Harbor
$0.04M Design of repairs to north breakwater – Sturgeon Bay Harbor
$1.95M North breakwater repairs – Waukegan Harbor

$32.00M Soo Locks Asset Renewal
$6.50M Construction of raceway for lock power feeders
$14.25M Medium tugboat – St. Marys strike removal
$6.50M Critical repairs to Gate 1
$1.00M Design for facility sanitary sewer rehabilitation
$2.50M Repair and replace miter gate anchorage components for Poe Lock
$1.25M Aquadigger outfitting – St. Marys River strike removal

$20.23M Chicago Lock Asset Renewal
$5.80M Chamber walls resurfacing, Phase 3 of 4 (Southeast)
$0.63M Switchgear for backup generator
$5.80M Chamber walls resurfacing, Phase 4 of 4 (Southwest)
$8.00M Lock chamber floor repairs

$0.60M Kewaunee Office - Demolition and Buildings & Grounds Maintenance

$0.25M Regional Economic Data Collection (Cleveland)

$0.15M Breakwater Assessment Team (Duluth-Superior)

$1.17M Lake Michigan Diversion Accounting

$0.82M Real Estate Management for Navigation

$0.15M Environmental Compliance (Calumet, Chicago, Indiana, Erie, St. Marys)

$0.46M Dam Safety (Chicago, Indiana, St. Marys)

$0.22M Cultural Resources Management and Curation for Navigation (Detroit, Duluth-Superior, Grand Haven, Kewaunee, Keweenaw, St. Marys)

$0.44M Operation and Maintenance for Navigation Visitor Center Support (Duluth-Superior, St. Marys)

$2.80M St. Marys Security and Grounds (Nav Business Line portion)
Navigation Construction General  $139.22M + $46.54M = $185.76M

$169.76M  New Soo Lock ($123.22M + $46.54M)
$16M  Calumet CDF