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

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

$37.34M  
Primary Dredging 2.61M 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
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$20.3M  Structure Design, Maintenance, Repairs  
$0.1M  Evaluate Breakwaters - Buffalo  
$0.5M  Repair South Breakwater Connector – Manistee Harbor  
$4.5M  Repair East Breakwater – Great Sodus Harbor  
$3.0M  Repair East Breakwater – Cleveland Harbor  
$4.0M  Repair N. Pier – Duluth-Superior Harbor  
$6.0M  Repair Vessel Yard Structure – Duluth-Superior Harbor  
$2.2M  E&D 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  Indian Harbor CDF (HMTF reimbursed)