

US Army Corps of Engineers
 Great Lakes Navigation Business Line
 FY19 Final Allocation – **With Workplan Additions**
 Revised December 2018

Navigation O&M **\$109.7M + \$83.2M = \$192.9M**

\$46.38M	Primary Dredging 3.4M cu yds (\$38.03M + \$8.35M / 2.81M cu yds + 0.5M cu yds)
\$1.30M	Ashtabula Harbor
\$1.49M	Burns Harbor
\$2.50M	Calumet Harbor and River
\$5.75M	Cleveland Harbor (\$4.60M + \$1.15M)
\$1.13M	Conneaut Harbor
\$3.00M	Detroit River (\$2.00M + \$1.00M)
\$3.00M	Duluth-Superior
\$1.15M	Fairport Harbor
\$1.50M	Grand Haven
\$3.50M	Green Bay Harbor
\$0.60M	Holland Harbor
\$3.77M	Indiana Harbor
\$0.50M	Ludington Harbor
\$0.50M	Milwaukee Harbor
\$1.20M	Rochester Harbor
\$1.30M	Sandusky Harbor
\$2.30M	St. Clair River (\$0.80M + \$1.50M)
\$1.50M	St. Joseph Harbor
\$3.78M	Toledo Harbor
\$1.53M	Waukegan
\$0.90M	Manitowoc Harbor
\$0.90M	Sturgeon Bay Harbor and Lake Mich Ship Canal
\$0.70M	Kewaunee Harbor
\$1.35M	Buffalo Harbor
\$0.85M	Oswego Harbor
\$9.98M	Project Condition Surveys
\$19.84M	Lock Operation & Maintenance (\$19.79M + \$0.05M)
\$1.91M	Black Rock Lock
\$3.08M	Chicago Lock
\$14.8M	Soo Locks
\$0.05M	Inland Route
\$13.22M	Floating Plant Repair Fleet (Ashtabula, Buffalo, Burns, Calumet, Cleveland, Duluth-Superior, Indiana, Milwaukee)
\$6.57M	Strike Removal (Detroit River, St. Clair, St. Marys River)

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\$14.89M	Dredged Material Management
\$4.81M	CDF Operations (Cleveland, Indiana, Saginaw, Toledo)
\$5.24M	CDF Maintenance (Detroit, Buffalo + \$1.50M , Indiana, Saginaw)
\$0.62M	CDF Fill Management (Calumet)
\$2.08M	DMMP (Buffalo, Calumet + \$0.6M , Cleveland, Huron, Erie, Toledo) (\$0.78M + \$1.3M)
\$0.425M	Dike Raising E&D (Indiana)
\$0.015M	CDF ERGO (Buffalo, Huron, Lorain)
\$0.01M	Federal Standard Determination (Dunkirk)
\$1.69M	Sediment Sampling & Analysis, Modeling, and Compliance (Buffalo)
\$51.34M	Structure Design, Maintenance, Repairs
\$1.71M	Engineering & Design Repairs (Grand Haven, Frankfort, Keweenaw Waterway, Manistee, Manistique, Kenosha, Kewaunee, Cleveland)
\$0.50M	Chicago Lock – North Pier Utilities Relocation
\$0.70M	Structure Maintenance (Hammond Bay, Lexington)
\$3.00M	Muskegon Harbor
\$11.00M	Duluth-Superior Harbor
\$5.525M	Sheboygan Harbor
\$4.75M	Rochester Harbor
\$5.00M	Oswego Harbor
\$9.60M	Buffalo Harbor
\$2.929M	Lorain Harbor
\$6.62M	Chicago Harbor
\$0.25M	Regional Economic Data Collection (Cleveland)
\$0.25M	Breakwater Assessment Team (Duluth)
\$17.44M	Soo Locks Maintenance, Repairs
\$2.00M	Poe Lock Gate 1 Repairs – Phase 1
\$0.40M	Gov't Plant Support to Soo Winter Lock Closure
\$6.50M	Crane/Flotation (Heavy Lift)
\$5.80M	Steam Plant
\$0.20M	E&D Poe Gate 4
\$0.375M	E&D Mac Ship Arrestors
\$0.50M	E&D Center Dike
\$0.365M	Waterway Safety Signs
\$1.30M	FY19 Winter Work Equipment & Materials
\$4.8M	Black Rock Lock Maintenance/Repairs (\$4.25M + \$0.55M)
\$2.60M	Lower Gate Diagonal Replacement
\$1.65M	Pintle Replacement
\$0.55M	Motor Control and Miter Gate Design

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\$4.58M	Chicago Lock Maintenance/Repairs
\$1.82M	Chamber Wall Resurfacing
\$1.20M	Security Fence
\$0.60M	Backup Generator
\$0.42M	Chamber Floor Repair
\$0.245M	Bulkhead Relocation
\$0.295M	ArcFlash Hazard Analysis
\$0.92M	Lake Michigan Diversion Accounting (\$0.85M + \$0.074M)
\$0.20M	Utility Investigation (Saginaw River)
\$0.54M	Sediment Sampling Analysis (Barcelona, Erie, Huron, Ogdensburg, Oswego, St Marys)
\$0.02M	Local O&M Reimbursement (Sturgeon Point Harbor)
\$2.1M	St. Marys River Grounds and Security (Nav Business Line portion)

Navigation Construction General **\$33.49M**

\$1.10M	Calumet Harbor & River – Design of DMDF
\$32.388M	New Soo Lock – Upstream Channel Deepening Design & Partial Construction