



Lorain Harbor, OH

Harbor Features

- Located on Lake Erie in the city of Lorain, Lorain County, Ohio
- Authorization: River & Harbor Acts of 1899, 1907, 1910, 1917, 1930, 1935, 1945, 1960, 1965 and the Water Resources Development Act of 1986
- Deep draft commercial harbor
- Authorized depths are 16-29 feet in the outer harbor and 17-27 feet in the river
- 145th leading U.S. port with 852,982 tons of material shipped or received in 2010
- Lorain Harbor is ranked 33rd among the Great Lakes Ports
- Over 2.5 miles of breakwater structures
- 60 acre outer harbor and 2.6 miles of Federal channel on the Black River
- A confined disposal facility (CDF) is located at the eastern end of the harbor
- Major stakeholders include the Lorain Port Authority, private marinas, U.S. Coast Guard, American Metal Chemical Corp., National Gypsum Co., Jonick Dock & Terminal, Lorain Tubular Co., and Terminal Ready Mix, Inc

Project Requirements

- Approximately 150,000 cubic yards (CY) of material must be dredged every 2 years. The harbor was last dredged in 2012 when approximately 120,000 CY of material was removed
- Material from the upper reaches of the Black River Federal navigation channel requires placement in a CDF; this area is typically dredged once every 3 years
- The implementation of a fill management plan has been necessary to extend the useful life of the CDF. The third and final perimeter berm lift was completed in FY12 and will provide sufficient capacity for 2 dredging events requiring CDF placement



- The current sediment backlog within the functional harbor areas is estimated at approximately 674,000 CY
- Critical requirements include maintenance dredging and breakwater repairs

Consequences of Not Maintaining the Project

- Failure to dredge will result in continued shoaling and reduced channel dimensions; resulting in light loading, increased transportation costs and unsafe navigation conditions
- Light loading; loss of between 1 and 2 feet of channel depth results in increased transportation costs of between \$219,000 and \$724,000 annually
- Reduction of bulk commodities that pass through the harbor and generate \$61M annually in direct revenue while supporting over 416 jobs and generating over \$22M per year in personal income

Consequences of Not Maintaining the Project

- If the harbor was closed to commercial traffic, commodities would have to be transported by rail and truck. This would increase annual emission rates by over 18,430 tons of harmful particulate matter (PM-10) and increase costs by \$938,000 due to increased railroad related accidents, and \$730,000 due to increased trucking related accidents
- Failure to repair the deteriorated structures will result in the continued degradation, increased future maintenance

costs and unsafe navigation conditions within the harbor leading to vessel delays and potential damage to shoreline structures

Transportation Importance

- Major receiving and shipping port on the Great Lakes
- Harbor of Refuge
- Commodities shipped or received include aggregates, limestone, chemicals, ores and minerals

**U.S. Army Corps of Engineers Fiscal Year (FY) 2011, 2012 and 2013
Lorain Harbor, Ohio - Project Requirements and President's Budget (\$1,000)**

Work Package	FY11 Requirement	FY11 Work Plan	FY12 Requirement	FY12 President's Budget	FY13 Requirement	FY13 President's Budget
Project Conditions Survey	50		55	50		
Sediment Sampling & Analysis	100					
Maintenance Dredging – Primary			1,510	910		
Dredged Material Management Plan (DMMP)					50	
E&D, E. Arrowhead Breakwater Repair (2,000 LF)			300			
CDF Maintenance	500	438		65		
Environmental Compliance (CDF Monitoring, Field)	15					
Structure Repair – Breakwaters Floating Plant (F/P)	400				600	
Snagging and Clearing F/P	40				40	
CDF ERGO Compliance (O&M Manual)	65					
TOTALS	1,170	438	1,865	1,025	690	0

Congressional Interests

- Representative Betty Sutton D-OH-13
- Senator Rob Portman R-OH
- Senator Sherrod Brown D-OH