



Burns Waterway Harbor, IN

Project Features

- Located on Lake Michigan in the city of Portage, Lake County, Indiana.
- Authorization: Rivers and Harbors Act of 1965.
- Authorized depths are 30 feet in the approach channel, 28 ft. in the outer harbor, and 27 ft. in both harbor arms.
- Five year average (2008-2012) tonnage is 6.6M tons of material shipped or received; 57th leading U.S. port in 2012; 10th on the Great Lakes.
- Interconnected with 47 commercial ports: ships cargo to 17 ports, and receives from 30.
- 5,830 linear feet of rubblemound breakwater structures.
- 2.5 miles of Federal Channel combined within the approach, outer harbor, and east and west arms.
- Major stakeholders include ArcelorMittal Steel, Tanco Terminals, and 29 other tenants - 14 of which are steel-related industries.

Project Requirements

- 86,000 CY of sand must be annually removed from the approach channel. In 2014, the entire harbor was dredged; 52,000 CY was removed from the harbor arms and the outer harbor. An additional 148,000 CY of sand within the approach channel will be removed in 2015.
- Shoaling is the result of littoral sediment trapped by harbor structures. Development of long-term regional sediment management alternatives could reduce future dredging needs.
- Two phases of dredging were completed within the Approach Channel to repair the damage from the Hurricane Sandy storm. 66,000 CY of sand was removed during July 2013, and 70,000 CY was removed during June 2014.
- The rubblemound breakwater is the harbor's only protective structure. Three sections, totaling 600 feet overall, require repair work.

Consequences of Not Maintaining the Project



- Light loading: losses of between 2 and 3 feet of channel depth would increase transportation costs between \$2.5M and \$4.6M annually.
- Reduction of bulk commodities that pass through the harbor and generate \$3.4B annually in direct revenue while supporting 19,678 direct, indirect, and induced jobs that produce over \$1.5B per year in personal income.
- 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 nearly 53,400 tons of harmful particulate matter (PM-10) and increase costs by \$3.0M due to increased railroad related accidents, and \$1.1M due to increased trucking related accidents.

Transportation Importance

- Commodities are iron ore, steel products, limestone, grain, chemicals, fertilizers, and coal. The port handles over 15% of all U.S. steel trade with Europe.
- ArcelorMittal's Burns Harbor facility is one of the largest steelmaking facilities in North America. It operates two blast furnaces, has a total raw steelmaking capability of 4.7M tons annually, and primarily serves the automotive industry. Principal products made are hot-rolled, cold-rolled and coated-sheet products. Other markets served include appliances, construction, office furniture and rail cars.
- The harbor provides safe refuge for inland river barges traveling between Gary Harbor, Indiana Harbor, and Calumet Harbor.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2014, 2015 and 2016
Burns Waterway Harbor, IN - Project Requirements and President's Budget (\$1,000)**

Work Package	FY14 Requirement	FY14 Appropriation	FY15 Requirement	FY15 Appropriation	FY16 Requirement	FY16 President's Budget
Project Condition Surveys	179	179	189	189	193	193
Maintenance Dredging of Harbor Approach Channel			1,000	2,280	1,659	1,659
Maintenance Dredging of Harbor Channel	1,900	1,879.2				
Structural Repair - Outer Breakwater (by Gov't Floating Plant)	3,290		3,490		4,025	
Maintenance Dredging NIPSCo	4,080		3,100		3,480	
Restoration of Harbor Approach Channel (Phase 2)	838	838*				
TOTALS	10,287	2,896.2	7,779	2,469	9,357	1,788

*Funds allocated through Public Law 113-2 Disaster Relief Appropriations Act, 2013

Congressional Interests

- Representative Peter J. Visclosky, D-IN-1
- Senator Daniel Coats, R-IN
- Senator Joe Donnelly, D-IN