



Indiana Harbor, IN

Project Features

- Located on Lake Michigan in the city of East Chicago, Lake County, Indiana.
- Authorized depths are 29 feet in the approach channel, 28 feet in the turning basin, 27 feet in the outer dock area, and 22 feet within the main and two branch channels.
- 4.7 miles of federal channel combined within the Indiana Harbor canal, the Calumet River branch, and the Lake George branch.
- 3,085 linear feet of laid-up stone and concrete caisson breakwater structures
- A confined disposal facility (CDF) with a storage capacity of 4.8M cubic yards.
- 12.3M tons of material shipped and received in 2013
- Ranked 5th among the Great Lakes harbors.
- Interconnected with 18 commercial ports: ships to 10 ports, and receives from 16 ports.
- Major stakeholders: ArcelorMittal Steel, US Gypsum, LaFarge Cement, and Amoco.

Project Requirements

- The project was not dredged between 1972 and 2012. Average shoaling depth within the channel areas is 4 feet. Dredging efforts began in 2012 after the completion of the CDF.
- FY15 funds removed 275,000 cubic yards from federal channel areas. FY16 funds will remove more than 200,000 cubic yards from federal channel areas and possibly 60,000 cubic yards of TSCA materials. In FY15, funds from ArcelorMittal were used to remove 40,000 cubic yards from non-federal areas.
- CDF groundwater pumping is performed to protect regional groundwater resources, and maintain the inward gradient required by the facility operating permit.

Consequences of Not Maintaining the Project

- Light loading losses of between 3 to 4 feet of channel depth results in increased transportation costs of between \$13.7M and \$19M annually.



- Reduction of bulk commodities that pass through the harbor and generate \$9.5B annually in business revenue while supporting 50,471 direct, indirect, and induced jobs that produce over \$2.3B per year in personal income in the transportation and commodity related industries.
- If the harbor were closed to commercial traffic, commodities would have to be transported by rail and truck. This would increase annual emission rates by over 48,900 tons of harmful particulate matter (PM-10) and increase costs by \$4.9M due to increased railroad related accidents, and \$222.K due to increased trucking related accidents.

Transportation Importance

- Commodities include iron ore, limestone, coke, gypsum, steel, cement and concrete, petroleum products, and miscellaneous bulk products.
- ArcelorMittal's Indiana Harbor facility is the largest steelmaking complex in North America. It is fully integrated, operating five blast furnaces, and has a total raw steelmaking capability of 10M tons annually. It produces hot-rolled, cold-rolled and hot-dipped galvanized sheet products. Markets served include automotive, appliance, agricultural, construction, line and pipe tube, electrical/motor lamination, converters and steel service centers.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2015, 2016 and 2017
Indiana Harbor, IN - Project Requirements and President's Budget (\$1,000)**

Work Packages	FY15 Requirement	FY15 Appropriation	FY16 Requirement	FY16 Appropriation	FY17 Requirement	FY17 President's Budget
Project Condition Surveys	187	187	191	191	195	195
CDF Site Operations	5,597	5,597	4,660	4,660	4,196	4,196
CDF Annual Maintenance			590	590	605	605
Periodic Assessment of CDF perimeter dikes for Dam Safety	75	75			90	90
CDF Center Dike Modification					296	296
Maintenance Dredging of Federal Harbor Channel – Primary Work Package	7,155	7,155	4,083	4,083	4,367	4,367
Maintenance Dredging of Federal Harbor Channel – Backlog Work Package	2,750		2,800			
Structural Repairs to Easterly Breakwater (by Gov't. Floating Plant)	800	800	1,815	1,815	2,046	2,046
TOTAL	16,564	13,814	14,139	11,339	11,795	11,795

Congressional Interests

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