



Indiana Harbor, IN

Project Features

- Located on Lake Michigan in the City of East Chicago, Lake County, Indiana.
- Authorized depths are -29 ft. L.W.D in the approach channel, -28 ft. in the turning basin, -27 ft. in the outer dock area, and -22 ft. 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 CY.
- Five year average (2008-2012) tonnage is 11.8M tons of material shipped and received; 42nd leading U.S. port in 2012; 5th on the Great Lakes.
- Interconnected with 76 commercial ports: ships to 39 ports, and receives from 37 ports.
- Major stakeholders: ArcelorMittal Steel, US Gypsum, LaFarge Cement, and Amoco.

Project Requirements

- The project had not been dredged since 1972. Average shoaling depth within the channel areas is 4.0'. Dredging efforts began in 2012.
- FY14 funds removed 210,000 CY from Federal channel areas. FY15 funds will remove 340,000 CY from Federal channel areas, including 60,000 CY of TSCA materials. Additional dredging in non-Federal areas will also be completed during FY15 with funds from ArcelorMittal.
- Initial dredging efforts increased the operational costs of the CDF during FY13 and FY14. Until sufficient dredged material is placed on the bottom of both CDF cells, the rate of water infiltration below is very high. CDF groundwater pumping must then be performed to protect regional groundwater resources, and maintain the inward gradient required by the facility operating permit. Dredging efforts in FY14 provided sufficient material to achieve the seal, and should reduce future groundwater pumping needs and operational costs.



Consequences of Not Maintaining the Project

- Light loading losses of between 3-4 feet of channel depth results in increased transportation costs of between \$10.7M and \$15.4M annually.
- Reduction of bulk commodities that pass through the harbor and generate \$332.M annually in direct revenue while supporting 1,495 direct, indirect, and induced jobs that produce over \$263.M 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 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 are 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 N. America. It is fully integrated, operating five blast furnaces, and has a total raw steelmaking capability of 10.M 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) 2014, 2015 and 2016
Indiana Harbor, IN - Project Requirements and President's Budget (\$1,000)**

Work Packages	FY14 Requirement	FY14 Appropriation	FY15 Requirement	FY15 Appropriation	FY16 Requirement	FY16 President's Budget
Project Condition Surveys	178	178	187	187	191	191
CDF Site Operations	4,677	5,016	5,597	5,597	4,660	4,660
CDF Annual Maintenance					590	590
Periodic Assessment of CDF perimeter dikes for Dam Safety			75	75		
Maintenance Dredging of Federal Harbor Channel – Primary work package	5,340	4,891.3	7,155	7,155	4,083	4,083
Maintenance Dredging of Federal Harbor Channel – Backlog work package	2,750		2,750		2,800	
Structural repairs to Easterly Breakwater (by Gov't. Floating Plant)	778	778	800	800	1,815	1,815
TOTALS	13,723	10,863.3		13,814	14,139	11,339

Congressional Interests

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