



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 (2006-2010) tonnage is 13M tons of material shipped and received
- Ranked 4th among Great Lakes Harbors based on five year average (2006-2010) tonnage
- 50th leading U.S. port in 2010
- Interconnected with 83 commercial ports: ships to 41 ports, and receives from 42 ports.
- Major stakeholders: ArcelorMittal Steel, US Gypsum, LaFarge Cement, and Amoco.

Project Requirements

- The project had not been dredged since 1972 due to the lack of a suitable disposal facility for the highly contaminated sediment. Average shoaling depth in the channel areas is 4.0'.
- Dredging began in FY 2012, and removed 134,000 CY from the Federal Channel.
- FY13 funds will remove 187,000 CY from Federal channel areas. FY14 funds will remove 148,000 CY from Federal channel areas. Additional dredging in non-Federal areas will also be completed during FY13 and FY14 with funds from ArcelorMittal.
- Initial dredging funding levels increased the operational costs of the CDF in FY13 and FY14. CDF groundwater pumping must be performed to protect regional groundwater resources; the placement of dredged material within the CDF will reduce water infiltration, and reduce these costs substantially.



Consequences of Not Maintaining the Project

- Light loading losses of between 3- 4 feet of channel depth results in increased transportation costs of between \$5.9M and \$8.3M 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) 2012, 2013 and 2014
Indiana Harbor, IN
Project Requirements and President's Budget (\$1,000)**

Harbor Operations Work Packages	FY12 Requirement	FY12 Work Plan	FY13 Requirement	FY13 President's Budget	FY14 Requirement	FY14 President's Budget
Project Condition Surveys	175	175	175	175	178	178
CDF Site Operations	4,120	4,120	5,800	6,270	4,677	5,016
Maintenance Dredging of Federal Harbor Channel – Primary work package	5,000	2,248	4,440	3,970	5,340	5,001
Maintenance Dredging of Federal Harbor Channel – Backlog work package	10,000		2,820		2,750	
Structural repairs to Easterly Breakwater (Completed by Gov't. Floating Plant)	2,285		2,385	500	778	778
TOTALS	21,580	6,543	15,620	10,915	13,723	10,973

Congressional Interests

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