



## 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 (2006-2010) tonnage is 6.4M tons of material shipped or received
- Ranked 12<sup>th</sup> among Great Lakes Harbors based on five year average (2006-2010) tonnage
- 68<sup>th</sup> leading U.S. port in 2010
- Interconnected with 65 commercial ports: ships cargo to 27 ports, and receives cargo from 38 ports.
- 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

- Approximately 50,000 cubic yards of sand must be dredged each year in the approach channel. The harbor was last dredged in 2008, and will be dredged in 2014. A 1,000' bulk carrier loaded with taconite for ArcelorMittal grounded in the approach channel in April 2012.
- Due to the severe Hurricane Sandy storm on southern L. Michigan on 31-Oct-2012, the approach channel received approximately 66,000 CY of additional sediment.
- Maintenance dredging in 2014 will include the harbor arm areas and the approach channel.
- 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 result in increased transportation costs of between \$1.7M and \$3.0M 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

- 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.

➤ 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.

➤ 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) 2012, 2013 and 2014  
Burns Waterway Harbor, IN  
Project Requirements and President's Budget (\$1,000)**

<b>Work Package</b>	<b>FY12 Requirement</b>	<b>FY12 Work Plan</b>	<b>FY13 Requirement</b>	<b>FY13 President's Budget</b>	<b>FY14 Requirement</b>	<b>FY14 President's Budget</b>
Project Condition Surveys	172	172	176	176	179	179
Maintenance Dredging of Harbor Approach Channel – Primary work package					1,900	1,900
Maintenance Dredging of Harbor Channel – Backlog work package						
Structural Repair - Outer Breakwater (Completed by Gov't Floating Plant)	2,940		2,980		3,290	
Maintenance Dredging NIPSCo	2,903		3,480		4,080	
Maintenance Dredging NIPSCo – Backlog workpackage						
<b>TOTALS</b>	<b>6,015</b>	<b>172</b>	<b>6,636</b>	<b>176</b>	<b>9,449</b>	<b>2,079</b>

**Congressional Interests**

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