



## Ludington Harbor, MI

### Project Features

- Located on the east shore of Lake Michigan, 156 miles northeast of Chicago, IL and 67 miles north of Grand Haven, MI.
- Authorization: River & Harbor Acts of 2 Mar 1867, 3 Mar 1899, 2 Mar 1907, 31 Dec 1970
- Deep draft commercial harbor
- Project depth of 27 to 29 feet in the entrance channel and 18 feet deep in the basins.
- Ranked among top 75 Great Lakes Harbors with 539,000 tons of material shipped or received in 2008.
- Over 8,700 feet of structures including breakwaters, piers and revetments.
- Over one mile of navigation channel
- Major stakeholders include U.S. Coast Guard, Lake Carriers' Association, Lake Michigan Car Ferry service (Badger), Reith and Riley Asphalt, Dow Chemical, and Pere Marquette Shipping.

### Project Requirements

- Approximately 56,000 to 75,000 cubic yards of material must be dredged on a 2 to 3 year cycle; the harbor was last dredged in 2011.
- The harbor requires maintenance dredging in 2013.
- South breakwater nose requires repair. Failure of the nose pier would threaten navigation.

### Consequences of Not Maintaining the Project

- Bulk commodities that pass through the harbor generate over \$33M annually in direct revenue while supporting over 200 jobs and generating over \$9M per year in personal income.



- If the harbor was closed to commercial traffic, commodities would have to be transported by truck. This would increase annual emission rates by over 27,200 tons of harmful particulate matter (PM-10) and increase costs by \$14M due to increased trucking related accidents.
- Light loading; loss of between 2 and 3 feet of channel depth results in increased transportation costs of between \$734,000 and \$2.42M annually.

### Transportation Importance

- The U.S Coast Guard Station Ludington resides within the harbor.
- Regionally significant receiving port on the Great Lakes.
- Home port to ferry that maintains cross-Lake Michigan service.
- Commodities received include limestone, sand and gravel, slag, and salts.
- Harbor of Refuge

**U.S. Army Corps of Engineers Fiscal Year (FY) 2011, 2012 and 2013  
Ludington Harbor, MI - Project Requirements and President's Budget (\$1,000)**

<b>Work Package</b>	<b>FY11 Requirement</b>	<b>FY11 Work Plan</b>	<b>FY12 Requirement</b>	<b>FY12 Appropriation</b>	<b>FY13 Requirement</b>	<b>FY13 President's Budget</b>
Project Condition Surveys	102	101			103	
Maintenance Dredging – Primary Work Package	450	446			452	
Maintenance Dredging – Backlog Work Package						
Structural Repairs - by Gov. Floating Plant	867	858				
South Breakwater Nose Pier Repair by Contract	1,500		1,500		1,625	
E&D – South Breakwater Nose Repair	125		125		125	
Sediment Budget Analysis – Section 111	150		150		150	
<b>TOTALS</b>	<b>3,194</b>	<b>1,405</b>	<b>1,775</b>	<b>0</b>	<b>2,455</b>	<b>0</b>

**Congressional Interests**

- Representative Bill Huizenga R-MI-2
- Senator Carl Levin D-MI
- Senator Debbie Stabenow D-MI