



## 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 30 feet in the entrance channel and 18 feet deep in the basins.
- Five year average (2006-2010) tonnage is 464,000 tons of material shipped and received
- Ranked 46<sup>th</sup> among the Great Lakes Harbors based on five year average (2006-2010) tonnage
- 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, Pere Marquette Shipping, and multiple charter boat fisherman.

### 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 currently requires maintenance dredging.
- South breakwater nose requires repair. Failure of the nose pier would threaten navigation.

### Consequences of Not Maintaining the Project

- Light loading; loss of between 2 and 3 feet of channel depth results in increased transportation costs of between \$445,000 and \$793,000 annually.



- Reduction of bulk commodities that pass through the harbor that generate \$22M annually in direct revenue while supporting 407 direct, indirect, and induced jobs that produce over \$26M 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 25M lbs of harmful particulate matter (PM-10) and increase costs by \$4.8M due to increased trucking related accidents.

### Transportation Importance

- The U.S Coast Guard Station Ludington resides within the harbor.
- Regionally significant receiving port on the Great Lakes and Harbor of Refuge
- Home port to S.S. Badger ferry that maintains cross-Lake Michigan service. Since 1992 the Badger has carried 120,000 passengers, 30,000 passenger vehicles and 11,000 commercial trucks.
- Commodities received include limestone, sand and gravel, slag, and salts.
- Many recreational users reside within the municipal marina and utilize the boat launch on a daily basis. The municipal marina services approximately 1,100 transient boats per year.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2012, 2013 and 2014  
Ludington Harbor, MI - Project Requirements and President's Budget (\$1,000)**

<b>Work Package</b>	<b>FY12 Requirement</b>	<b>FY12 Appropriation</b>	<b>FY13 Requirement</b>	<b>FY13 President's Budget</b>	<b>FY14 Requirement</b>	<b>FY14 President's Budget</b>
Project Condition Surveys			103		105	
Maintenance Dredging – Primary Work Package			452		485	
South Breakwater Nose Pier Repair by Contract	1,500		1,625		1,625	
E&D – South Breakwater Nose Repair	125		125		125	
Sediment Budget Analysis – Section 111	150		150		150	
<b>TOTALS</b>	<b>1,775</b>	<b>0</b>	<b>2,455</b>	<b>0</b>	<b>2,490</b>	<b>0</b>

**Congressional Interests**

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