



US Army Corps  
of Engineers®



## Monroe Harbor, MI

### Harbor Features

- Located on the lower reach of the Raisin River, which empties into Lake Erie, 36 miles south of Detroit, MI
- Authorization: River & Harbor Acts of 24 Feb 1835, 3 Jul 1930
- Deep draft commercial harbor
- Authorized depths of 21 feet from Lake Erie to the turning basin. The turning basin has an authorized depth of 18 feet. Project depth of 9 feet upstream from the turning basin.
- 2.43M tons of material shipped and received in 2013
- Approximately 28,000 feet of maintained federal channel
- 328 acres available -- zoned for heavy industrial
- 1,500 feet of private dock on the turning basin
- 2,200 feet of public dock on the river
- 1,600 feet of private dock on the river (Detroit Edison)
- Sterling State Park Confined Disposal Facility is located just north of the harbor; it has approximately 20 years of capacity.
- Property served by Canadian National and Norfolk Southern railroads
- Major stakeholders include Barnhart Crane & Rigging, DTE Energy, Gerdau MacSteel Inc., Michigan Paving and Materials Co. (MPMC), OmniSource Corp., Port of Monroe, and Ventower Industries.
- MPMC -- The complex has the ability to store 56 million gallons of asphalt products in eight, seven-million gallon tanks, and is the largest asphalt blending facility in the country.
- DTE -- The Monroe Plant is a clean coal-fired electrical generating station, which utilizes stack emission scrubbers and has a capacity of 3,000MW. In 2012 the facility received over 2 million tons of coal and over 100,000 tons of limestone. This is the largest coal blending facility in the world.



- Barnhart Crane & Rigging specializes in the transport of project cargo and operates 1,500 feet of dock on the turning basin. Barnhart began shipping wind tower sections for Ventower Industries in 2012.

### Project Requirements

- Approximately 90,000 to 135,000 cubic yards of material must be dredged every 2 to 3 years. The harbor's main channel was last dredged in 2014. Maintenance dredging of the harbor turning basin is funded in FY16.

### Consequences of Not Maintaining the Project

- Reduction of bulk commodities that pass through the harbor that generate \$543M annually in business revenue while supporting 3,095 direct, indirect, and induced jobs that produce over \$163M per year in personal income in transportation and commodity related industries.

**Consequences of Not Maintaining the Project cont.**

- Light loading; loss of between 2 and 3 feet of channel depth results in increased transportation costs of between \$3.5M and \$5.4M annually. Channel maintenance less than the authorized depth poses navigational safety issues for all harbor users.
- Restriction of normal vessel delivery to DTE has indirect impacts, including higher risk to operational reliability due to uncertain coal and limestone inventory and increased reliance on rail delivery.
- MPMC is the largest asphalt paving company in Michigan; their Monroe facility serves one of the largest asphalt pavers in Ohio. Increasing water borne shipment costs will increase the cost of road construction and paving throughout the Midwest.

**Transportation Importance**

- Major receiving port on the Great Lakes
- Commodities include petroleum products, coal, as well as stone and aggregates.
- A mix of coal is received at the DTE plant from three other Great Lakes ports: Superior, Sandusky, and Toledo. Limestone delivery from a northern Michigan quarry began in 2009.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2015, 2016 and 2017  
Monroe Harbor, MI - Project Requirements and President's Budget (\$1,000)**

<b>Work Package</b>	<b>FY15 Requirement</b>	<b>FY15 Appropriation</b>	<b>FY16 Requirement</b>	<b>FY16 Appropriation</b>	<b>FY17 Requirement</b>	<b>FY17 President's Budget</b>
Maintenance Dredging Main Channel – Primary Work Package	1,000	1,000	1,100	1,100	510	
Maintenance Dredging Turning Basin – Primary Work Package						
Maintenance Dredging – Backlog Work Package	510		510			
CDF Fill Management					500	500
<b>TOTAL</b>	<b>1,510</b>	<b>1,000</b>	<b>1,610</b>	<b>1,100</b>	<b>1,010</b>	<b>500</b>

**Congressional Interests**

- Representative Tim Walberg R-MI-7
- Senator Gary Peters D-MI
- Senator Debbie Stabenow D-MI