



US Army Corps  
of Engineers ®



## Manitowoc Harbor, WI

### Harbor Features

- Located on the west shore of Lake Michigan about 79 miles north of Milwaukee, WI, and about 106 miles from Sturgeon Bay Harbor and the Lake Michigan Ship Canal
- Authorization: Rivers & Harbors Acts of 2 Mar 1907, 30 Aug 1935, 26 Aug 1937, 23 Oct 1962, 14 Jul 1960 (Sec 107), 31 Dec 1968
- Deep draft commercial harbor
- Project depths vary from 22 to 25 feet in entrance and inner channels and 12 feet at the upper end of the project. A 10 foot deep recreational navigation channel is adjacent to the confined disposal facility (CDF).
- 129K tons of material shipped and received in 2018
- Over 4,100 feet of structures including breakwaters and piers
- Over 2.5 miles of maintained channel
- The Manitowoc Harbor CDF is located in Lake Michigan extending northward from the north breakwater.
- Major stakeholders: U.S. Coast Guard, Burger Boat Building, windmill manufacturing, C. Reiss Coal Co., Lake Michigan Car Ferry, and St. Marys Cement

### Project Requirements

- Approximately 25,000 to 40,000 cubic yards of material must be dredged from the river channel on a 2 to 3 year cycle.
- The harbor was last dredged in 2016.
- Maintenance dredging began in fall 2019 and is scheduled to be completed in spring 2020.
- Assessment of dredged material disposal required
- Critical breakwater safety maintenance is currently required.



- The 2007 Water Resources Development Act (WRDA) authorized the deepening of this harbor to 18 feet (in previously 12 foot depth area). To date this deepening has not been funded.

### Consequences of Not Maintaining the Project

- Significant loss of jobs both locally and regionally
- If the harbor were closed to commercial traffic, commodities would have to be transported by rail or truck. This would increase annual emission rates by 1.3M lbs of harmful particulate matter (PM-10) and increase costs by \$250K due to increased railroad related accidents, and \$400K due to increased trucking related accidents.
- Light loading; losses of between 2 and 3 feet of channel depth would result in increased transportation costs of between \$48,000 and \$117,000 annually.

**Transportation Importance**

- Waterborne transportation facilitated by the harbor supports \$4.6M in business revenue, 19 direct, indirect, and induced jobs, and \$1.2M in labor income to the transportation sector.
- Commodities handled by the harbor support \$179.2M in business revenue, 1,086 direct, indirect, and induced jobs, and \$53.9M in labor income.
- This project serves primarily charter fishing and recreational navigation interests.
- Manitowoc is a harbor of refuge.
- The local community has established significant infrastructure around the harbor facilities that generates income from harbor users and visitors to the area.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2019, 2020, and 2021  
Manitowoc Harbor, WI - Project Requirements and President’s Budget (\$1,000)**

<b>Work Package</b>	<b>FY19 Requirement</b>	<b>FY19 Appropriation</b>	<b>FY20 Requirement</b>	<b>FY20 Appropriation</b>	<b>FY21 Requirement</b>	<b>FY21 President’s Budget</b>
Maintenance Dredging – Primary Work Package	900	900	0	0	0	0
Critical Breakwater Safety Maintenance	25	0	25	0	25	0
CDF Repairs	0	0	640	640	0	0
Government Fleet – Repair of South Breakwater	250	0	0	0	0	0
Engineer & Design – South Breakwater Repair	0	0	0	0	350	0
Preliminary Assessment of Dredged Material Disposal Needs	0	0	0	0	75	75
Real Estate Management	0	0	0	0	5	5
<b>TOTAL</b>	<b>1,175</b>	<b>900</b>	<b>665</b>	<b>640</b>	<b>455</b>	<b>80</b>

**Congressional Interests**

- Representative Glenn S. Grothman R-WI-6
- Senator Ron Johnson R-WI
- Senator Tammy Baldwin D-WI