



Duluth-Superior Harbor, MN & WI

Harbor Features

- Located at the western end of Lake Superior
- Authorization: River and Harbor Act of 3 Jun 1896
- Deep draft commercial harbor
- Project depths of 28 to 32 feet in the entrance; 27 feet deep in the iron-ore route channels, and 20 to 23 feet in inner channels
- 16th leading U.S. port with just over 45M tons of material shipped or received in 2008. Tonnage is almost equally split between Duluth and Superior Entries.
- Ranked 1st among the Great Lakes Harbors
- Over 10,000 feet of structures including breakwaters, piers and revetments.
- Over 18 miles of maintained channel
- The Erie Pier Confined Disposal Facility is located within the St. Louis Bay portion of the harbor.
- Major stakeholders include U.S. Coast Guard, Lake Carriers' Association, Canadian National, BNSF, Midwest Energy, General Mills/Cargill, Lafarge North America, Marine Tech LLC, Murphy Oil, Cutler Magner, US Steel, Cleveland-Cliffs, and Hallet Dock.

Project Requirements

- Approximately 110,000 cubic yards of material must be dredged each year. The harbor was last dredged in 2011 is scheduled to be dredged in 2012.
- Maintenance dredging is required for 2013.
- Navigation structures are primarily maintained by Government Floating Plant.
- A water filtration component is required at Erie Pier CDF to allow for direct release of water into the harbor.
- Superior Entry north concrete pier requires repairs.
- Superior Entry requires ice plate repairs.
- Excessive freshwater corrosion rate impacting both Federal and non-Federal steel sheet pile navigation structures.



- Critical fill management activities are required to ensure Erie Pier's sustainability.

Consequences of Not Maintaining the Project

- Bulk commodities that pass through the harbor generate over \$1.9B annually in direct revenue which supports over 8,500 jobs and generating over \$393M 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 over 351,000 tons of harmful particulate matter (PM-10) and increase costs by \$24M due to increased railroad related accidents, and \$4.5M due to increased trucking related accidents.
- Light loading losses of between 1 and 2 feet of channel depth results in increased transportation costs of between \$4.7M and \$13M annually.
- \$2 Billion worth of cargo is shipped via the Duluth-Superior docks annually.

Transportation Importance

- Major international receiving and shipping port on the Great Lakes; and Harbor of Refuge
- Commodities shipped or received include iron ore, limestone, coal, coke, forest products, petroleum, grain, general cargo, steel, and scrap iron.

Transportation Importance

➤ Home port of U.S. Coast Guard’s 225 foot long cutter Alder. Home to U.S. Coast Guard auxiliary station and a Marine Safety Unit,

responsible for: port safety and security, marine environmental protection, and commercial vessel safety missions under the auspices of the Dept. of Homeland Security.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2011, 2012 and 2013
Duluth-Superior Harbor, MN & WI
Project Requirements and President’s Budget (\$1,000)**

Work Package	FY11 Requirement	FY11 Work Plan	FY12 Requirement	FY12 Appropriation	FY13 Requirement	FY13 President’s Budget
Project Condition Surveys	555	551	572	561	570	570
Maintenance Dredging – Primary Work Package	2,700	2681	2,750	2,695	2,491	2,491
Maintenance Dredging – Backlog Work Package	500		500		500	
Breakwater Repairs – by Govt. Floating Plant	1,800	1,787	1,300	1,274	1,182	900
Duluth Entry Concrete Pier Joint Replacement						
Superior Entry N. Pier Replacement by Contract	1,576				1,600	
Erie Pier Fill Management Activities	1,520	1,128	2,000	1,960	940	940
Erie Pier Water Filter Design						
DMMP	200	199	175	172	71	71
Corrosion Study	300					
Regional Asset Management	250	248	250	245	250	
Duluth Harbor Navigation Structure Repair by Contract			1,600			
Other Business Lines:						
Recreation:						
Operation/maintenance of visitor center	585	541	555	510	609	500
Repair building foundation			108		108	
Environmental Stewardship	81	51	40	15	50	22
Strategic Sustainability Performance Plan (SSPP) Initiatives			250			
TOTALS	10,067	7,186	10,100	7,432	8,371	5,494

Congressional Interests

- Representative Chip Cravaack R-MN-8
- Representative Sean Duffy R-WI-7
- Senator Al Franken D-MN
- Senator Amy Klobuchar D-MN
- Senator Ron Johnson R-WI
- Senator Herb Kohl D-WI