



Duluth-Superior Harbor, MN and WI

Harbor Features

- Located at the western end of Lake Superior
- Authorization: River & 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
- 36.5M tons of material shipped and received in 2013
- Ranked 1st among the Great Lakes Harbors
- 17th leading U.S. port
- Tonnage is almost equally split between Duluth and Superior Entries.
- 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. Only three to five years of capacity remain.
- Major stakeholders include U.S. Coast Guard, Azcon, BNSF, C. Reiss Coal, Calumet Superior, Canadian National, Cenex Harvest States, CHS, Cleveland-Cliffs, Cutler Magner, Duluth Lake Port, Gavilon Grain LLC, General Mills/Cargill, Greymont LLC, Hallet Dock, Hansen-Mueller Co., Holcim Inc., Lafarge North America, Marine Tech LLC, Midwest Energy, Murphy Oil, North American Salt Co., Northland Bituminous, and Riverland Aggregates.

Project Requirements

- Approximately 110,000 cubic yards of material must be dredged each year. The harbor was last dredged in 2015 and is scheduled to be dredged in 2016.
- Navigation structures are primarily maintained by the government floating plant.
- Superior entry north concrete pier requires repairs, government plant will begin in 2016.
- Superior entry requires ice plate repairs.
- Excessive freshwater corrosion rate impacting both federal and non-federal steel sheet pile navigation structures.



- Material scheduled to be dredged in 2016 will be placed in the 21st Avenue Embayment and Interstate Island.

Consequences of Not Maintaining the Project

- Reduction of bulk commodities that pass through the harbor that generates \$18.9B annually in business revenue while supporting 103,257 direct, indirect, and induced jobs that produce over \$1.09B per year in personal income in transportation and commodity related industries.
- If the harbor were closed to commercial traffic, commodities would have to be transported by rail and truck. This would increase annual emission rates by over 500M lbs of harmful particulate matter (PM-10) and increase costs by \$18.8M due to increased railroad related accidents, and \$5.5M 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 \$1.0M and \$9.0M annually.

Transportation Importance

- Major international receiving and shipping port on the Great Lakes; and Harbor of Refuge
- \$2 Billion worth of cargo is shipped via the Duluth-Superior docks annually.

Transportation Importance cont.

➤ 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.

➤ Commodities shipped or received include coal, coke, forest products, petroleum, grain, general cargo, steel, and scrap iron.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2015, 2016 and 2017
Duluth-Superior Harbor, MN and WI
Project Requirements and President’s Budget (\$1,000)**

Work Package	FY15 Requirement	FY15 Appropriation	FY16 Requirement	FY16 Appropriation	FY17 Requirement	FY17 President’s Budget
Project Condition Surveys	604	604	605	605	610	610
Maintenance Dredging – Primary Work Package	2,856	2,856	3,000	3,000	3,060	3,060
Maintenance Dredging – Work Package	110		500	500	0	
Duluth-Superior Entry N. Pier Repairs – by Govt. Floating Plant			2,200	2,200	2,900	2,900
Erie Pier Fill Management Activities	750	750			0	
DMMP	200	200			0	
Regional Asset Management	250	250	250	250	250	
EGIS – Duluth Superior Harbor					20	
Other Business Lines						
Update Duluth Area Office Master Plan	31		30		31	
Recreation:						
Operation/Maintenance of Visitor Center	573	547	585	527	600	540
Repair Building Foundation	111		111		111	
Environmental Stewardship	72	72	59	59	62	56
Energy Sustainability Initiatives	642	321			0	
TOTAL	6,199	5,600	7,340	7,141	7,644	7,166

Congressional Interests

- Representative Rick Nolan D-MN-8
- Representative Sean Duffy R-WI-7
- Senator Al Franken D-MN
- Senator Amy Klobuchar D-MN
- Senator Ron Johnson R-WI
- Senator Tammy Baldwin D-WI