



US Army Corps
of Engineers®



Chicago Harbor, IL

Project Features

- Located on Lake Michigan in the city of Chicago, Cook County, Illinois
- Authorization: The River & Harbor Acts of 1870, 1880, 1912, 1919 and 1962.
- Authorized depths are 29 feet in the Lake Michigan harbor approach, 28 feet in the outer harbor, and 21 feet to Rush Street.
- The federal channel within the harbor is 2.2 miles and it connects to the deep draft Chicago River channel extending 4.0 miles to the North Avenue turning basin.
- The harbor is a part of the Port of Chicago, and is the secondary link between the Great Lakes, the Inland Waterway System, and foreign ports.
- 400K tons of material shipped and received in FY14
- Ranked 65th among the Great Lakes harbors.
- 20,357 lineal feet of timber crib, laid-up stone, and concrete caisson breakwater structures.
- Chicago Lock completes over 11,500 lockages annually, passing over 40,000 vessels.
- The harbor hosts a U.S. Coast Guard Station, Chicago Marine Police, and Illinois Conservation Police, Chicago Fire Dept. fire boat and city tug.
- Tour and Charter Boat Operations – 20 companies operate 55 boats, and host approximately 370,000 passengers annually.
- Privately-owned marinas moor 1,450 recreational boats within the harbor.

Project Requirements

- The 5,321 linear foot northeastern breakwater is the harbor's primary shield. It is in very poor condition. A 100 foot segment failed during the Hurricane Sandy Storm. A 200 foot segment was reconstructed utilizing Public Law 113-2 Disaster Relief Appropriations Act, 2013. Further degradation occurred during the Oct. 2012 Hurricane Sandy storm; repairs will occur in FY16.
- Chicago Lock has a Dam Safety Action Classification System rating of II. Several repairs are Urgent, and the project is considered Very High Risk.



Consequences of Not Maintaining the Project

- The Jardine Water Purification Plant is located in the harbor and serves 5M consumers in 118 municipalities.
- The lock limits Lake Michigan water flow into the Illinois Waterway. It provides flood damage reduction of \$1.4B to the downtown area from Chicago River.
- Navy Pier annually hosts 9M visitors and generates nearly \$138M in sales. Its operation employs 700 full-time and 2,000 part-time workers. 100+ private businesses operate there, employing 750 workers.
- Reduction of marine commerce that passes through the port and generate \$22.4B annually in business revenue while supporting 124,345 direct, indirect, and induced jobs that produce over \$3.50B per year in personal income in transportation and commodity related industries.
- If the port were closed to commercial traffic, commodities would have to be transported by rail and truck. This would increase annual emission rates by over 12,900 tons of harmful particulate matter (PM-10) and increase costs by \$1.2M due to increased railroad related accidents, and \$126.K due to increased trucking related accidents.

Transportation Importance

- The harbor is a safe refuge on southern Lake Michigan for barges and vessels traveling north from or south to the Port of Chicago.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2015, 2016 and 2017
Chicago Harbor, IL - 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	105	75				
Lock Operations	2,300	2,300	2,335	2,335	2,382	2,382
Routine Lock Maintenance	270	270	340	340	347	347
Lock 5-year Periodic Inspection					95	95
Structural Repairs - Northeast Breakwater Crib Stabilization by Contract (900')	7,210		6,710		6,050	
Structural Repairs – Eastern Outer Breakwater Repairs by Gov't Floating Plant (500')			2,220			
Lighting System and Electrical Safety Improvements, Phase 2	300	30				
Concrete Resurfacing Chamber Walls, Guidewalls, Walkways	7,650		7,640		7,860	
North Pier Tunnel Stabilization	8,540		11,280		10,770	
Lock Gate Sill and Guide Wall Scour Holes, and Upper Gate Hinge Monitoring	470					
Lock Facility Security Lighting, Fire & Intrusion Alarms, Security Upgrades	370					
Electrical Repairs and Utility Tunnel Waterproofing and Lock Dewatering	590	590	1,060	1,060		
Utility Relocation Through Failing North Pier and Tunnel				620		
Gate Bays Ballasting and Seal Replacement				700		
TOTAL	27,805	3,265	31,585	5,055	27,504	2,824

Congressional Interests

- Representative Danny K. Davis D-IL-7
- Senator Richard Durbin D-IL
- Senator Mark Kirk R-IL