



Chicago Harbor, IL

Harbor Features

- Located on Lake Michigan in the city of Chicago, Cook County, Illinois
- Authorization: The Rivers & 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
- 10M tons of material shipped and received at the harbor in FY19
- 20,357 linear feet of timber crib, laid-up stone, and concrete caisson breakwater structures
- Chicago Lock was the busiest lock in the US in 2019; completing over 9,936 lockages, including 61,974 vessels, with 1,162,809 recreational and commercial passengers
- The harbor hosts a U.S. Coast Guard Station, Chicago Marine Police, 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

- Chicago Harbor was last dredged in 1986 and the sediment placed into the Chicago-Area Confined Disposal Facility (CDF), and there are no projected dredging needs.



- Chicago Lock has a Dam Safety Action Classification System rating of 3, which is considered conditionally unsafe. FY19 work plan funds were used to award a contract to repair the north pier. The work is scheduled to be completed in 2021.
- The 5,321 linear foot northeastern breakwater is the harbor's primary shield. Approximately 1,700 feet of the structure has been reconstructed or stabilized via grout injection. The remaining segments are in poor condition.
- The lock chamber walls are in poor condition. Funds were received in the FY19 & FY20 work plans to resurface a portion of the chamber.

Consequences of Not Maintaining the Project

- The Jardine Water Purification Plant is located in the harbor and serves 3 million consumers in 119 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 hosted 9.2M visitors in 2017. Its operation employs approximately 250 full-time and 400 part-time workers. More than 70 private businesses operate there, employing over 3,000 workers.

Consequences of Not Maintaining the Project (cont'd)

- If the port was closed to commercial traffic, commodities would have to be transported by rail and truck. This would increase annual emission rates by over 126.1M lbs. of harmful particulate matter (PM-10) and increase costs by \$28.2M due to increased railroad related accidents, and \$18.9M 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.
- Waterborne transportation facilitated by the harbor supports \$954.7M in business revenue, 4,207 direct, indirect, and induced jobs, and \$306.2M in labor income to the transportation sector.
- Commodities handled by the harbor support \$18.6B in business revenue, 95,134 direct, indirect, and induced jobs, and \$5B in labor income.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2020, 2021, and 2022
Chicago Harbor, IL - Project Requirements and President's Budget (\$1,000)**

Work Package	FY20 Requirement	FY20 Appropriation	FY21 Requirement	FY21 Appropriation	FY22 Requirement	FY22 President's Budget
Real Estate Management	59	0	60	50	61	51
Environmental Compliance	59	59	40	40	20	20
Facility Security	51	51	85	85	88	88
Dam Safety Activities	60	60	215	125	142	142
Multi-Beam Lock Chamber Survey	11	11	15	15	0	0
Routine Lock Operations	2,492	2,492	2,648	2,648	2,657	2,657
Routine Lock Maintenance	407	407	613	613	606	606
Northeast Breakwater Grout Stabilization	6,178	0	6,373	0	5,968	5,968
Structure Repairs – Eastern Outer Breakwater Repairs (North End; by Gov't Floating Plant)	0	0	1,329	0	1,350	1,350
Security Lighting	400	400	400	0	0	0
Security Cameras, Fire Alarms, and Building Access Connect	325	325	0	0	0	0
Lock Chamber Floor Repairs	0	0	8,493	8,000	0	0
Switchgear for Backup Generator	0	0	625	623	0	0
Chamber Walls Resurfacing, Phase 2 of 4	4,940	4,940	0	0	0	0
Chamber Walls Resurfacing, Phase 3 of 4	0	0	5,803	5,803	0	0
Chamber Walls Resurfacing, Phase 4 of 4	0	0	5,803	5,803	495	495

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Work Package	FY20 Requirement	FY20 Appropriation	FY21 Requirement	FY21 Appropriation	FY22 Requirement	FY22 President's Budget
Chamber Stop Log Relocation	0	0	224	224	0	0
Sector Gates Reliability Study	200	200	200	0	0	0
Sector Gate Seal Repair	0	0	0	0	250	250
Chicago Harbor Visitor Center Study	400	0	400	0	0	0
E&D to Repair to Chicago Harbor Breakwater	0	0	400	0	0	0
Lock Building Interior Renovation	0	0	556	0	704	0
Ice Management	0	0	0	0	100	100
North Pier Resurfacing	0	0	0	0	1,498	1,498
Replacement of Gate Drives	0	0	0	0	3,598	3,598
Parking Lot Resurfacing	0	0	0	0	568	0
TOTAL	15,582	8,945	34,282	24,029	18,105	16,823

Congressional Interests

- Representative Danny K. Davis D-IL-7
- Senator Richard Durbin D-IL
- Senator Tammy Duckworth D-IL