



US Army Corps
of Engineers ®



Calumet Harbor, IL and IN

Harbor Features

- Located on Lake Michigan in the city of Chicago, Illinois. The approach channel and outer harbor are located in Lake County, Indiana.
- Authorization: River & Harbor Acts of 1899, 1902, 1935, 1960, 1962, and 1965
- Authorized depths are 29 feet in the approach channel, 28 feet in the outer harbor, and 27 feet in the main river channel
- The federal navigation channel within the harbor is 4.40 miles long. The channel extends up the Calumet River to the Illinois Waterway (6.74 miles), and to Lake Calumet (1.30 miles)
- 12,153 linear feet of steel sheetpile and timber crib breakwater structures
- Chicago Confined Disposal Facility (CDF), with a nominal storage capacity of 1.3M cubic yards for contaminated sediment
- 8.7M tons of material shipped or received in 2017; ranked 9th among the Great Lakes harbors.
- Interconnected with 36 commercial ports: ships to 29 ports, and receives from 22 ports
- Stakeholders include 30 industrial tenants as well as a U.S. Coast Guard Search and Rescue Station

Project Requirements

- During FY14, the Chicago CDF achieved the volume anticipated by the original project authorization. The Corps anticipates a 2-3 year gap in river channel maintenance dredging due to the lack of a sediment disposal location.



- Facility life-extension measures are being employed to allow river channel maintenance to continue until 2022. No further dredging in the river is expected thereafter.
- Authorized depth is maintained only in the center half-width of the outer harbor, and rock outcroppings remain that prevent dredging to full authorized depth by 1 to 2 feet. The loss of depth in river segments annually ranges between 1 to 4 feet.
- Maintenance dredging is currently required.
- Removal of rock outcroppings in outer harbor is underway. Phases 1 & 2 of four phase rock removal plan were completed in 2017. Phase 3 was completed in 2018. Phase 4 was funded as part of FY18 Work Plan.
- The timber crib shorearm breakwater maintains the outer harbor wave climate, and keeps the river mouth open for navigation. Its condition is poor, with concrete superstructure failure expanding due to crib degradation. Grout stabilization is needed to prevent further superstructure losses.

Consequences of Not Maintaining the Project

- Light loading losses of between 2 to 3 feet of channel depth results in increased transportation costs of between \$3.0M and \$3.8M annually.
- Reduction of bulk commodities that pass through the harbor and generate \$14.6B annually in direct business revenue while supporting 80,980 direct, indirect, and induced jobs that produce over \$2.3B per year in personal income.
- 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 238 tons of harmful particulate matter (PM-10) and increase costs by \$218,000 due to increased railroad related accidents, and \$23,000 due to increased trucking related accidents.

Transportation Importance

- Commodities are limestone, coke, coal, salt, grain, cement, liquid bulk, potash, and steel. Approximately 500k tons of coal are shipped to various Great Lakes ports.
- The harbor is the primary link (of only two possible routes) between the Inland-Waterway system, the Great Lakes, and foreign ports. From this harbor, deep-draft ships can reach the Atlantic Ocean through the St. Lawrence Seaway, and barges can reach the Gulf of Mexico through the Illinois and Mississippi Rivers.
- The harbor is the best safe refuge on southern Lake Michigan due to its ease of entry during storms. It permits the safe operation of over 3,000 river barges annually between the Inland-Waterway system and Indiana, Gary, or Burns Waterway Harbor.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2018, 2019, and 2020
Calumet Harbor, IL and IN - Project Requirements and President's Budget (\$1,000)**

Work Package	FY18 Requirement	FY18 Appropriation	FY19 Requirement	FY19 Appropriation	FY20 Requirement	FY20 President's Budget
Project Condition Surveys	400	400	405	405	428	350
Maintenance Dredging of Harbor Channel – Primary Work Package	1,520	1,520	2,495	2,495	0	0
Outer Harbor Lakebed Rock Removal – Functional Channel to Authorized Depth	6,700	6,700	0	0	0	0
Structural Repairs to Detached and Shorearm Breakwaters by Gov't Floating Plant	1,271	1,271	966	966	1,572	1,572
Shorearm Breakwaters Armor Stone Replacement	2,552	0	2,552	0	4,000	0
Chicago Area Waterway System (CAWS) Dredged Material Management Plan	400	400	730	730	0	0
Chicago CDF Sediment Management (Grading & Piling)	617	617	620	620	636	636
Environmental Compliance (ERGO)	0	0	0	0	48	48
Real Estate Management	0	0	0	0	30	24
TOTAL	13,460	10,908	7,768	5,216	6,714	2,630

Congressional Interests

- Representative Robin Kelly D-IL-2
- Senator Richard Durbin D-IL
- Senator Tammy Duckworth D-IL