New Lock at the Soo

Current total project cost $922.4 million (Fiscal Year 2019 Price Level)
$241.6 million funded to date (25 percent funded)

February 2020

• Construction of a new lock with dimensions equal to the Poe Lock (1,200 feet long x 110 feet wide) will provide much needed resiliency in the Great Lakes Navigation System.

• Nearly all domestically produced advanced high strength steel used to manufacture products like automobiles and appliances is made with taconite (iron ore) that transits the Poe Lock.

• A 30 day outage of the Poe Lock has a greater impact on the nation than a 30 day outage of any other USACE lock.

• The New Lock is expected to provide annual benefits of $77.4 million and a benefit-cost ratio of 2.32 at a 7.0 percent discount rate.

The New Lock would eliminate the single point of failure in our Nation’s iron ore supply chain.

Upstream Channel Deepening awarded Winter 2020


IMPORTANCE

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PROJECT STATUS

Ongoing Work:
- Construction of Upstream Channel Deepening
- Design of Upstream Approach Walls
- Design of New Lock Chamber

Next steps upon receipt of further funding:
- Award Upstream Approach Walls Construction Contract
  (90% of upstream approach wall construction capability funded to date)
- Continue design of New Lock Chamber

FUNDING

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Allocation/(Capability)</th>
<th>Activities Funded/Capabilities</th>
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| Prior to 2018 | $32.0M | • Design and planning efforts  
  • Downstream Channel Deepening construction completed  
  • Sabin Lock Cofferdam construction completed |
| 2019 | $69.2M  
  $32.3M in Work Plan  
  $36.9M State of MI | • Complete Upstream Channel Deepening design and award construction contract  
  • Complete Upstream Approach Walls design  
  • Resume New Lock Chamber design |
| 2020 | $125.3M  
  $75.3M in PBud  
  $50M in Work Plan | • Upstream Channel Deepening: complete and manage construction  
  • Upstream Approach Walls: complete design, award and manage construction contract  
  • New Lock: continue design |
| 2021 | ($173.2M)  
  $123.2M in PBud Request | • Upstream Channel Deepening – manage construction  
  • Upstream Approach Walls – complete and manage construction  
  • New Lock - complete design and advertise construction contract  
  **$50M remaining capability identified in fiscal year 2021** |
| 2022 | ($156.9M) | • Upstream Approach Walls – manage construction  
  • New Lock Chamber – year 2 of construction contract |
| 2023-2028 | ($474.0M) | • Continue New Lock Chamber construction through completion |

* Fully funded costs, escalated through mid-point of construction

Design and Construction Schedule

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