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)

May 2020

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

**IMPORTANCE**

- 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.
**PROJECT STATUS**

**Ongoing Work:**
- Construction of Upstream Channel Deepening
- Solicitation for bids for Upstream Approach Walls
- Design of New Lock Chamber

**Next steps upon receipt of further funding:**
- Continue design of New Lock Chamber
- Industry Days New Lock Chamber Oct 2020
- Award Upstream Approach Walls Construction contract fall 2020

**FUNDING**

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Allocation/(Capability)</th>
<th>Activities Funded/Capabilities</th>
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</table>
| Prior to 2018 | $32.0M | • Design and planning efforts  
• Downstream Channel Deepening construction completed  
• Sabin Lock Cofferdam construction completed |
| 2019 | $69.2M  
$32.3M 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 Allocated  
$50M 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 |
| 2023-2030** | ($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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