

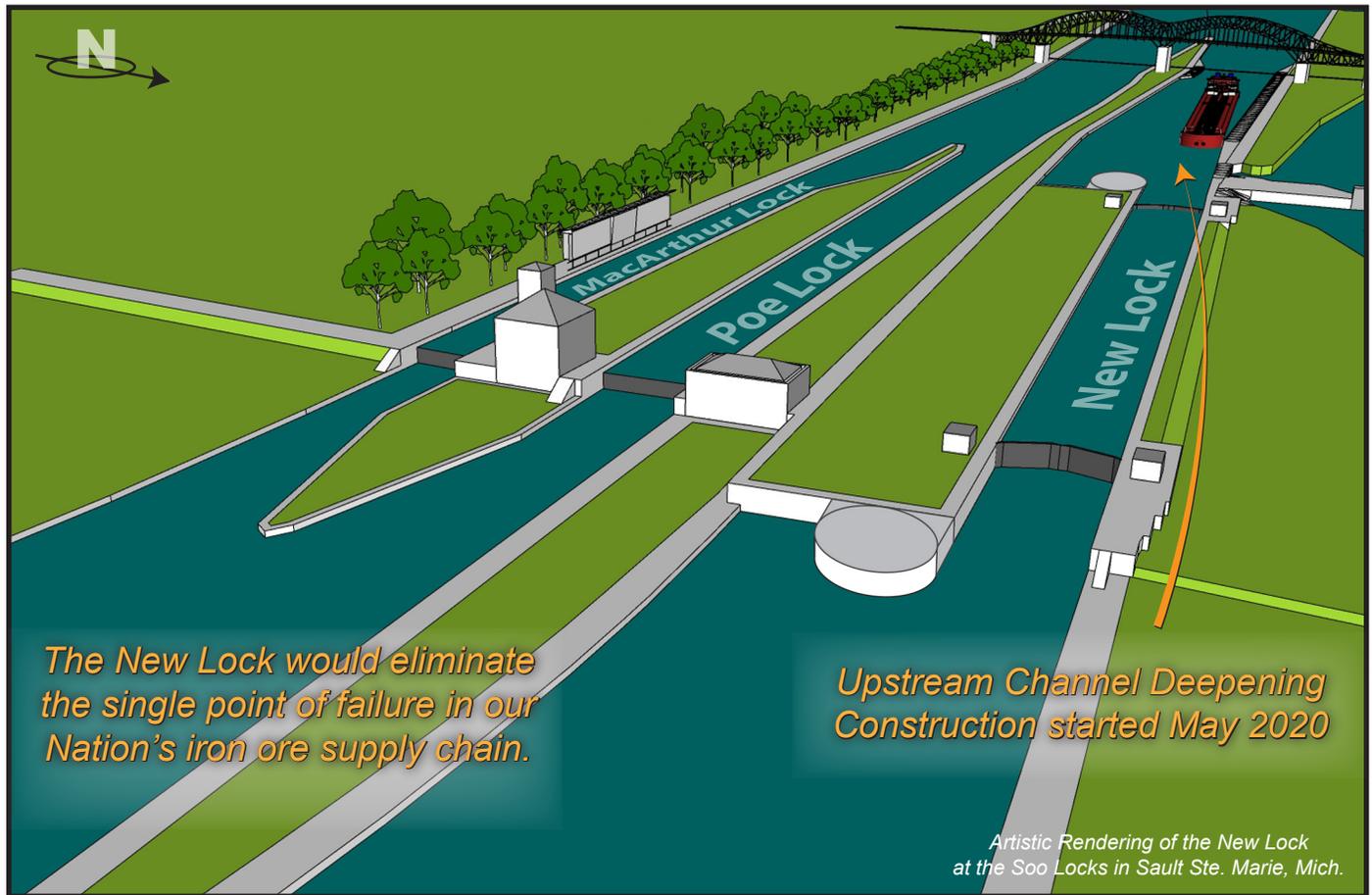


**US Army Corps  
of Engineers®**  
Detroit District

# 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)

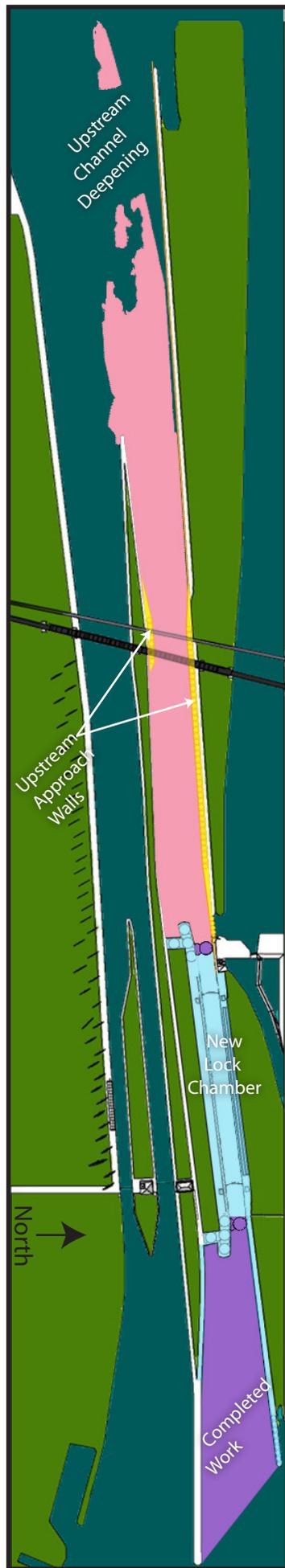
May 2020



## 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:

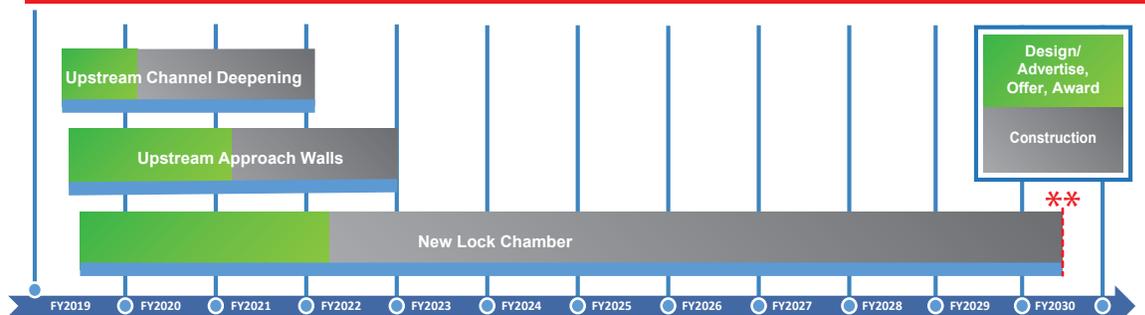
- Continue design of New Lock Chamber
- Industry Days New Lock Chamber Oct 2020
- Award Upstream Approach Walls Construction contract fall 2020

## FUNDING

Fiscal Year	Allocation/(Capability)	Activities Funded/Capabilities
Prior to 2018	\$32.0M	<ul style="list-style-type: none"> <li>• Design and planning efforts</li> <li>• Downstream Channel Deepening construction completed</li> <li>• Sabin Lock Cofferdam construction completed</li> </ul>
2019	\$69.2M <span style="color: red;">\$32.3M Work Plan</span> <span style="color: blue;">\$36.9M State of MI</span>	<ul style="list-style-type: none"> <li>• Complete Upstream Channel Deepening design and award construction contract</li> <li>• Complete Upstream Approach Walls design</li> <li>• Resume New Lock Chamber design</li> </ul>
2020	\$125.3M* <span style="color: blue;">\$75.3M Allocated</span> <span style="color: red;">\$50M Work Plan</span>	<ul style="list-style-type: none"> <li>• Upstream Channel Deepening: complete and manage construction</li> <li>• Upstream Approach Walls: complete design, award and manage construction contract</li> <li>• New Lock: continue design</li> </ul>
2021	(\$173.2M)* <span style="color: blue;">\$123.2M</span> <span style="color: blue;">in PBud Request</span>	<ul style="list-style-type: none"> <li>• Upstream Channel Deepening – manage construction</li> <li>• Upstream Approach Walls – complete and manage construction</li> <li>• New Lock - complete design and advertise construction contract</li> </ul> <p><b>\$50M remaining capability identified in fiscal year 2021</b></p>
2022	(\$156.9M)*	<ul style="list-style-type: none"> <li>• Upstream Approach Walls – manage construction</li> <li>• New Lock Chamber – year 2 of construction contract</li> </ul>
2023-2030**	(\$474.0M)*	<ul style="list-style-type: none"> <li>• Continue New Lock Chamber construction through completion</li> </ul>

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

## DESIGN AND CONSTRUCTION SCHEDULE



\*\* Early completion could be realized with approval of Continuing Contracts Clause, efficient funding and favorable weather conditions

### Contact Information:

Mollie Mahoney, Project Manager, (313) 226-2033  
 Maureen.H.Mahoney@usace.army.mil

**Website:** <https://www.lre.usace.army.mil/>  
[www.facebook.com/USACE Detroit District](https://www.facebook.com/USACEDetroitDistrict)