

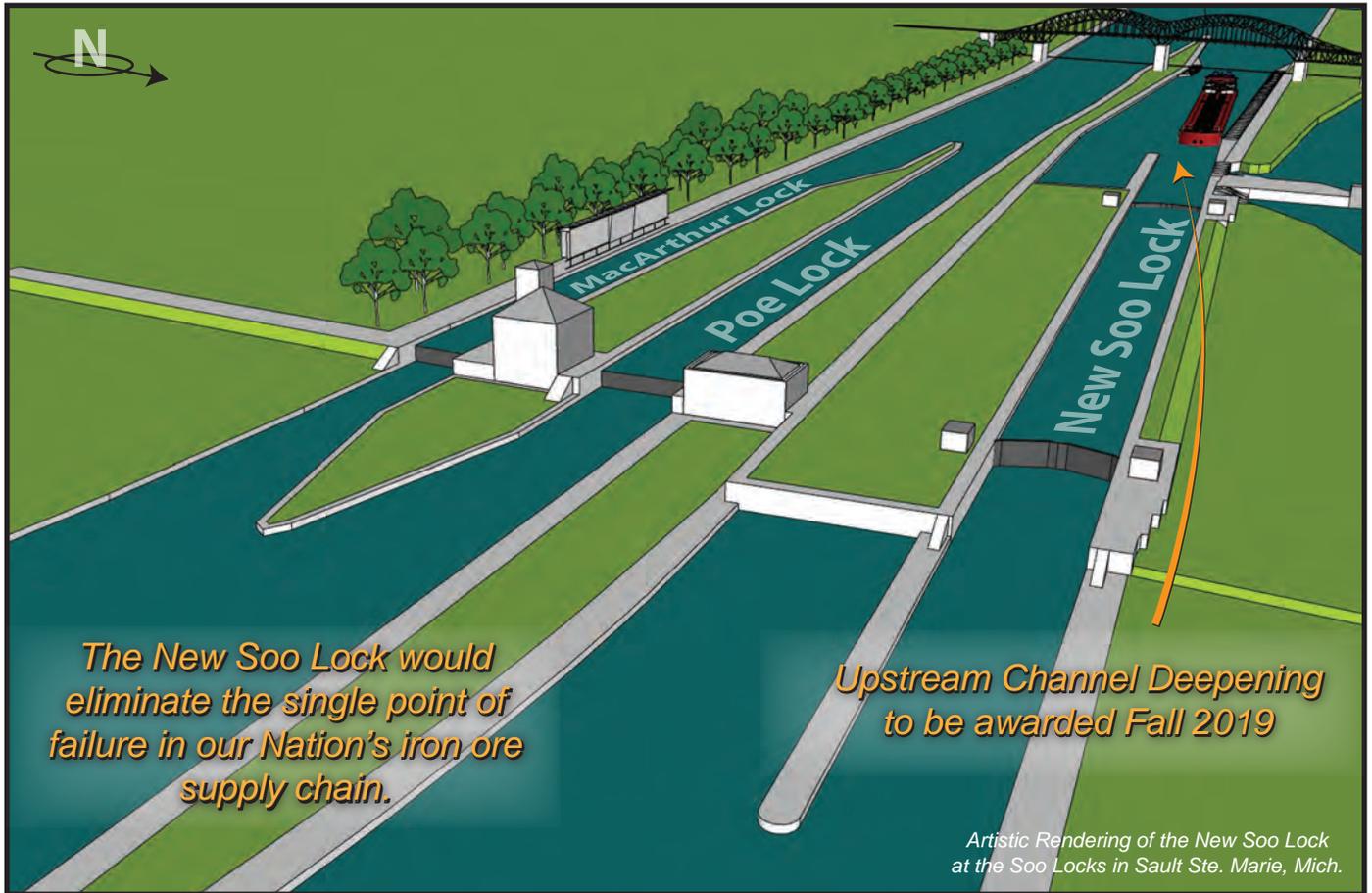


**US Army Corps
of Engineers®**
Detroit District

New Soo Lock

Current total project cost \$922.4 million (Fiscal Year 2019 Price Level)
\$116.4 million funded to date (13 percent funded)

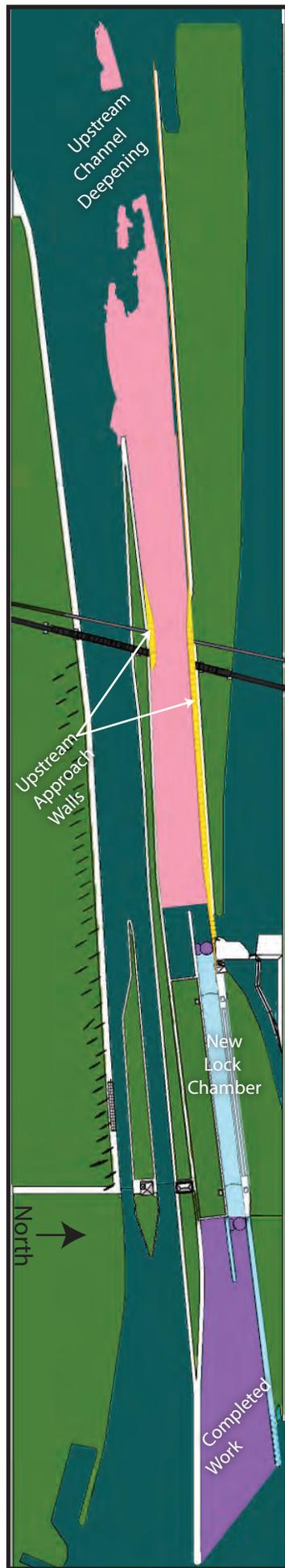
September 2019



IMPORTANCE

- Construction of a New Soo 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 than a 30 day outage of any other USACE lock.
- The New Soo 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:

- Design of the Upstream Channel Deepening is in progress and construction contract award is expected in 2019
- Design of Upstream Approach Walls
- Design of New Soo Lock Chamber

Next steps upon receipt of further funding:

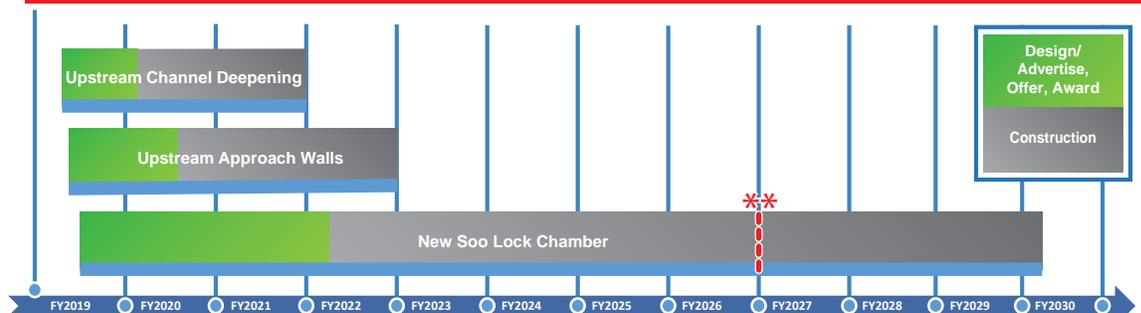
- Award Upstream Approach Walls Construction Contract (80% of upstream approach wall construction capability funded in Fiscal Year 2020 President's Budget request)
- Continue design of New Soo Lock Chamber

FUNDING

Fiscal Year	Allocation/(Capability)	Activities Funded/Capabilities
Prior to 2018	\$32.0M	<ul style="list-style-type: none"> • Design and planning efforts • Downstream Channel Deepening construction completed • Sabin Lock Cofferdam construction completed
2019	\$69.2M <small>\$32.3M Fed \$36.9M State of MI</small>	<ul style="list-style-type: none"> • Complete Upstream Channel Deepening design and award construction contract • Complete Upstream Approach Walls design • Resume New Soo Lock Chamber design
2020	(\$89.7M)* <small>\$75.3M in PBud Request</small>	<ul style="list-style-type: none"> • Upstream Channel Deepening: complete and manage construction • Upstream Approach Walls: complete design, AOA, award and manage construction contract • New Lock: continue design <p>\$14.4M remaining capability identified in fiscal year 2020</p>
2021	(\$173.1M)*	<ul style="list-style-type: none"> • Upstream Channel Deepening – manage construction • Upstream Approach Walls – complete and manage construction • New Lock - complete design and advertise construction contract
2022	(\$129.3M)*	<ul style="list-style-type: none"> • Upstream Approach Walls – manage construction • New Lock – year 2 of construction contract
2023-2028**	(\$536.4M)*	<ul style="list-style-type: none"> • Continue New Soo Lock Chamber construction through completion

* 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

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