



# PROJECT INFORMATION SHEET

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG

## OM-Soo Locks Major Rehabilitation Report (MRR)

### Description

The Soo Locks are situated on the St. Mary's River at Sault Ste. Marie, Michigan. This Major Rehabilitation Report (MRR) will compare the present condition and reliability of various key components that impact the operational reliability of the locks to effectively support navigation. The recommended plan will be the most cost effective maintenance strategy that increases the reliability of the components that present the greatest risk to navigation. The MRR recommended actions to insure the reliable operation of the existing 1200' chamber.

### Congressional Interest

Great Lakes Delegation; Senator Peters (MI), Senator Stabenow (MI)

### Location Map & Picture



### Non-Federal Project Sponsor

N/A

### Project Authority

Review of completed projects; Public Law 91-611, Sec. 216, 1970

Funding	Total	Federal	Non-Federal
Current Working Estimate:	\$ 2,497,600	\$ 2,497,600	\$ 0
Funds Allocated prior to FY17:	\$ 2,397,600	\$ 2,397,600	\$ 0
E and W Funds Allocated prior to FY17:	\$ 2,397,600	\$ 2,397,600	\$ 0
GLRI Funds Allocated prior to FY17:	\$ 0	\$ 0	\$ 0
FY17 Energy and Water Allocation:	\$ 100,000	\$ 100,000	\$ 0
FY17 GLRI Allocation:	\$ 0	\$ 0	\$ 0
FY18 Budget:	\$ 0	\$ 0	\$ 0
Funds required to complete (>FY18):	\$ 0	\$ 0	\$ 0

### Stage

Feasibility

### Status

Several critical components have been identified by engineering and were evaluated for reliability. Cost estimates were developed for the recommended replacement components and a Monte Carlo simulation was run to finalize the recommended repair strategy. Report was completed on December 11th 2017 at the Detroit District Office and forwarded to U.S. Army Corps of Engineers (USACE) Great Lakes & Ohio River Division Office for final approval. The recommended plan consists of the immediate rehabilitation of the MacArthur Tainter Valve Machinery, Davis and Poe Pump Well System, Poe Ship Arrestors, and Poe Bulkheads. This plan has an estimated total cost of \$57,581,000

U.S. ARMY CORPS OF ENGINEERS - DETROIT DISTRICT

PM: Stephen Rumble, 313-226-2223, Stephen.T.Rumble@usace.army.mil

477 Michigan Ave., Detroit, MI 48226-2550

<http://www.lre.usace.army.mil>

Last Updated: 05-Feb-18