



Erie Maritime Museum

Project Update 6/9/2025

As part of the Pennsylvania Historical and Museum Commission's strategic vision to own, operate, and maintain the U.S. Brig *Niagara*, Bristol Marine at Sample's Shipyard in Boothbay Harbor will work in partnership to meet current contract priorities. This document is meant to guide current discussions, communicate progress, and bring definition to ongoing planning and implementation.

Critical Path Line Items:

1. Schedule USCG for immediate inspections. In the water to help define repairs above the waterline ASAP. Second inspection, below the waterline on the railway 7/1/25. Third inspection of Masts & Rigging 7/14/25.
2. Naval Architecture & USCG Drawing Approvals - Engine & Genset Replacement, Engine Foundation Modifications, Steel Stem Fabrication, Engine & Genset Exhaust Modifications, Above Waterline Stem Timber Repair Proposal.
3. 6/9/25 Finalize lumber orders for Stem, Framing & Planking. Reschedule trip to Washington for lumber selection. Confirm wood species selection.
4. 6/11/25 Meeting with Rigger to plan mast removal and down rigging schedule.
5. Review & Define first phase of demolition for Bow & Stern above waterline repairs.
6. 6/25/25 Haulout on the large railway.
7. 7/1/25 Start Bow staging and forward work platform.
8. 7/9/25 Crane, down rig & locate masts on dock for initial inspection.
9. 7/21/25 Finalize Fastener Order. (*Portland Bolt* - Boat Spikes)
Hood end and rabbit fasteners?
10. New Engines, Aquadrives and Generators - Delivery schedule, equipment details and drawings. Equipment needed on site for final mock-up of foundations.
11. Schedule meeting with Electrical Technician to review potential repairs and upgrades.

In Progress:

- Final signed purchase order & Kick-off meeting.
- Review & Approval of Invoice #001
- Drawing review for Engine Foundation & first Change Order Request.
- Blocking plan & railway prep.

PHMC to provide the following ASAP:

- Status of USCG drawing submittals.
- USCG schedule for inspections. (Fastener pull, Internal Structural, Drydock, Spars, Stem 835)
- Delivery status of Engines, Gensets, Aquadrive units.
- Payment status of invoice #1.

Priority Planning & Implementation:

Section 1: Haulout & Preparation

- Blocking & haulout.
- Wood frame & cover design.
- Staging layout & access.
- Down Rig planning, schedule and USCG mast and mast partner/deck inspection. Repairs require a Change Order Request.

Section 2: Tankage & Plumbing

- Low Priority at this time.
- USCG requirements for Inspection of internal hull structure.

Section 3: Engine & Drivetrain, Peripheral Systems

- Equipment removal planning.
- Naval Architect & USCG requirements for new equipment and drawing approval including engine foundations & exhaust modifications. Requires Change Order Request.
- Remove shafts for inspection. Shaft replacement requires Change Order Request.

Section 4: Carpentry / Shipright Work

- Staging / Access, Deck protection & Set-up.
- First phase of demolition for bow & stern above the waterline.
- Naval Architect & USCG requirements and approval for above waterline stem repair configuration and steel reinforcement. Requires Change Order Request.

Section 5: Electrical System Upgrade

- Meeting with our Electrical Technician to review potential repairs and upgrades.
- Genset removal planning.
- Naval Architect & USCG requirements and approval for exhaust modifications and system upgrades. Requires Change Order Request.

Section 6: Close Out

- Low priority at this time.