

Item No.: 9E

Date of Meeting: March 7, 2023

Pierce County Terminal Fender Replacement Project Authorization



THE NORTHWEST
SEAPORT ALLIANCE

SEATTLE + TACOMA

David Myers
Engineering Project Manager

March 7, 2023

ACTION REQUESTED

Request project authorization from the NWSA Managing Members in the amount of \$4,658,000 for a total authorized amount of \$4,945,000 for the Pierce County Terminal Fender Replacement Project, Master Identification No. 201145.01.



Background

- Existing fender system was designed and installed at Pierce County Terminal (PCT) in 2004.
- The existing fender system was designed based on standard vessels that were calling at that time, typically between 6,000 and 6,500 TEU.
- The new fender units that are proposed to be installed are designed to support larger vessels. Currently, vessels calling at PCT range from 6,000 to 12,000 TEU.



Project Description and Details

The Scope of Work will include:

- Removal of 34 existing fender units
- Installation of 39 new fender units
- Repair areas of spalling concrete on pile caps
- Procure two (2) additional fender units to have on hand as spares

Work will be sequenced to avoid disruptions in both vessel and yard operations.



Project Schedule

Activity	Timeframe
Commission Authorization	March 7, 2023
Issue Request for Proposals for Fenders	March 9, 2023
Fender Bids Due	March 30, 2023
Issue Purchase Order for Fenders	April 4, 2023
Anticipated Fender Delivery Date	October 16, 2023
Advertise for Construction Bid	August 15, 2023
Award Construction Contract	September 25, 2023
Substantial Completion	March 1, 2024
Final Completion	April 15, 2024



Source of Funds

- The estimated cost and budget of this project is \$4,945,000.
- The current Capital Investment Plan (CIP) allocates \$4,945,000 for this project.
- This project meets the requirements for use of Harbor Maintenance Tax funds.
- This work and associated budget is consistent with the NWSA valuation.
- Design work completed since 2022 was previously authorized and has been completed.

Financial Summary

Item	Budget Estimate	Cost to Date	Remaining Cost
Procurement	\$2,210,000	\$0	\$2,210,000
Design	\$287,000	\$130,000	\$157,000
Construction	\$2,448,000	\$0	\$2,448,000
Project Total:	\$4,945,000	\$130,000	\$4,815,000



Alternatives Considered and Their Implications

- No Action Alternative: Keep replacing fender units when they are damaged. This could result in restrictions to vessel size at PCT and result in berthing delays while repairs are made.
- Recommended Action: Replace the fenders with new fender units that will reduce ongoing repair needs and allow larger vessels to berth without restrictions at PCT.



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