

# EB1 Vault Repairs



**THE NORTHWEST**  
SEAPORT ALLIANCE  
SEATTLE + TACOMA

Kyle Smith  
Engineering Project Manager

11/1/22

# ACTION REQUESTED

Request project authorization from the NWSA Managing Members in the amount of \$215,000 for EB1 Vault Repair project, Master Identification No. 201144.01.

# Background

- EB1 serves as the first point of rest for breakbulk cargo
  - EB1 pavement was not designed for tracked equipment
  - Stormwater treatment vault lids are badly damaged and need to be repaired due to safety issues
- If left unrepaired, damaged condition may result in complete failure and cave-in, damage to stormwater treatment system, new customer equipment and operations personnel

# Background



- Worn asphalt has left vault lids to protrude through the surface and exposed to impact when track driven vehicles are trafficked through the area



# Project Description and Details

## Project Objectives

- Maintain existing Port infrastructure at its operating capacity
- Repair damage to storm water structures
- Prevent further damage and avoid catastrophic failure
- Eliminate safety hazards
- Prevent this same situation from reoccurring by constructing a 12-inch concrete slab surrounding the area above the vaults. Concrete, being a more durable material, will not deteriorate the same way that asphalt does.

# Project Schedule

We are anticipating longer than normal lead times on acquiring the replacement access hatch and are adjusting the schedule accordingly.

Activity	Timeframe
Advertise Bids	November 3, 2022
Bid Opening	December 8, 2022
Contract Award	December 22, 2022
Contract Completion	August 19, 2023



# Source of Funds

- The estimated cost of the Design and Construction for this project is \$365,000
- Executive Authorization for \$150,000 authorized on 3/21/22.
- The 2017-2022 Capital Investment Plan (CIP) allocates \$365,000 for this project.
- The work will be expensed as incurred and will be funded by operating revenue
- The operating income from the Breakbulk business at EB1 is forecasted to generate \$2.6M in 2022.

# Financial Summary

Item	This Request	Budget Estimate	Cost to Date	Remaining Cost
Design	\$0	\$40,000	\$30,000	\$10,000
Construction	\$215,000	\$325,000	\$0	\$325,000
Project Total:	\$215,000	\$365,000	\$30,000	\$335,000



# Environmental Impacts / Review

- Permitting: This work is covered by our existing set of programmatic maintenance permits
- Remediation: None
- Stormwater: This is a water quality project to repair stormwater vault lids
- Air Quality: None

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