Item No.: 7B

Meeting: 10/21/21

# Project Authorization Increase for Parcel 86 Bank Stabilization Project

Hughes Wike, PE Engineering Project Manager II



### Project Authorization Parcel 86 Bank Stabilization Project



As referenced in Resolution No. 2021-08-PT, Exhibit A, Delegation of Authority Master Policy, Paragraph IV.B.(2), states project costs exceeding \$300,000 require approval from Port Commission.

Request project authorization increase in the amount \$140,000, for a total authorized amount of \$650,000, for the Parcel 86 Bank Stabilization Project, Master Identification No. 101493.01.

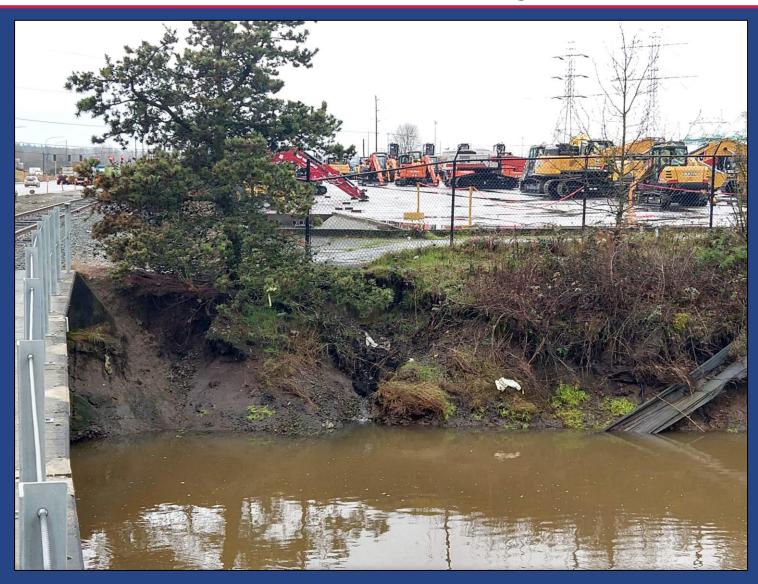
#### **Parcel 86 Layout**





# **Current Conditions Parcel 86 Bank Stabilization Project**





## Project Summary Parcel 86 Bank Stabilization Project



#### **OBJECTIVE**

 Protect the environmental cap and stormwater system infrastructure on Parcel 86 by eliminating continued erosion of the Hylebos Creek bank.

#### **SCOPE OF WORK**

- Fabricate and install new sheet pile bulkhead
- Backfill behind new bulkhead
- Clear and re-plant vegetation in select areas

## Status Update Parcel 86 Bank Stabilization Project



- Low bid for project's construction contract was approximately \$104,000 (88%) above the engineer's estimate. Primary factors:
  - continued increase in the price of steel needed for the project's sheet pile bulkhead
  - cost of equipment to install the bulkhead
- Total of (4) bids were received and all were above the engineer's estimate.
- Authorization of additional funds is requested to accommodate increased construction contract value and allow project to proceed with implementation.

# Alternatives Considered Parcel 86 Bank Stabilization Project



- Alternative 1: Cancel the project. If the work is not completed and erosion continues, the Port may be out of compliance with the terms of Enforcement Order and the Restrictive Covenant.
- <u>Alternative 2</u>: Revise project design and/or specify more readily available installation equipment, then proceed with a new bid process before awarding construction contract.
- <u>Alternative 3</u>: Proceed with award of the construction contract to the lowest bidder for sheet pile bulkhead construction, as planned.

Alternative 3 is the recommended course.

#### Project Schedule Parcel 86 Bank Stabilization Project



Activity	Timeframe
Bid Opening (Completed)	September 2021
Contract Execution	October 2021
Substantial Completion	February 2022

#### Source of Funds Parcel 86 Bank Stabilization Project



- The estimated cost of the Construction for this project is \$397,967.
- The estimated budget for this project is \$650,000.
- The current Capital Investment Plan (CIP) allocates \$510,000 for this project. It will be updated as part of the 2022 budget process.

#### Financial Summary Parcel 86 Bank Stabilization Project



Phase	This Request	Total Previous Requests	Total Project Cost	Cost to Date	Remaining Cost
Design	\$0	\$287,243	\$252,033	\$217,401	\$34,632
Construction	\$140,000	\$222,757	\$397,967	\$0	\$397,967
Total	\$140,000	\$510,000	\$650,000	\$217,401	\$432,599

# **Conclusion Parcel 86 Bank Stabilization Project**



Request project authorization increase in the amount \$140,000, for a total authorized amount of \$650,000, for the Parcel 86 Bank Stabilization Project, Master Identification No. 101493.01.