



**THE NORTHWEST
SEAPORT ALLIANCE**
Gateway to Solutions

Project Authorizations:

- a. East Sitcum Terminal
Stormwater Improvements,
and**
- b. North Intermodal Yard
Stormwater Treatment**

Project Authorization

Stormwater Improvements and Treatment

- a) **Request project authorization in the amount \$1,145,000 for a total authorized amount of \$1,300,000, for work associated with the East Sitcum Terminal (EST) Stormwater Improvements project, Master Identification No. 201054.01.**
- b) **Request project authorization in the amount \$932,500 for a total authorized amount of \$1,150,000, for work associated with the North Intermodal Yard (NIM) Stormwater Treatment project, Master Identification No. 201055.01.**



East Sitcum Terminal (EST) Background Stormwater Improvements and Treatment

Port of Tacoma's Industrial Stormwater General Permit (ISGP) requirements include treatment, cleaning and jetting of stormwater conveyance systems.

In 2014 five treatment vaults were installed on the five drainage basins at EST in accordance with permit requirements.

Cleaning and jetting were completed in 2016 and found a number of issues with the existing corrugated metal pipes resulting in the replacement of 127 lineal feet (LF) of pipe in early 2017.

2017 test results were above benchmarks associated with turbidity, TSS and zinc for two quarters placing the Port in a Level 2 Corrective Action.

Recent pipe investigation identified approximately 1200 LF of additional failing legacy corrugated metal piping that is in need of replacement.

Removal and replacement of this pipe will prevent intrusion of groundwater and sediment into the system and eliminate a zinc source.



North Intermodal Yard (NIM) Background Stormwater Improvements and Treatment

In 2014 the Port installed a stormwater treatment system, as part of a Level 3 Corrective Action, on the NIM stormwater conveyance system.

During a recent survey effort, the Port discovered a second discharge location from the NIM stormwater conveyance system into the adjacent system managed by ITS Husky.

This connection must comply with the Port's ISGP obligation to install treatment at this discharge location.

The installation of the stormwater treatment vault will fulfill the Port's obligation for treatment at this discharge location.





Project Description and Details

Stormwater Improvements and Treatment

Scope of Work at EST:

- Sawcut and remove asphalt at pipe locations to be replaced
- Excavate and remove existing corrugated metal pipe
- Install +/- 1200 LF of new HDPE pipe
- Backfill trenches and repave

Scope of Work at NIM:

- Sawcut and remove asphalt to accommodate new construction
- Install new manholes, pipe, and stormwater treatment vault and media
- Backfill construction and repave



Project Schedule

Stormwater Improvements and Treatment

Activity	Timeframe
Advertise Bids	June 29, 2018
Bid Opening	July 20, 2018
Substantial Completion	October 19, 2018
Final Completion	November 30, 2018



Source of Funds

Stormwater Improvements and Treatment

- The estimated cost of the Design/Construction for the EST Stormwater Improvements project is \$1,300,000.
- The estimated cost of the Design/Construction for the NIM Stormwater Treatment project is \$1,150,000
- The estimated budget for these projects is \$2,450,000.
- The current Capital Investment Plan (CIP) has been adjusted to allocate \$2,450,000 for these projects.
- This investment is required to maintain ongoing revenue at the EST and the NIM. Combined they have earned \$3.5M to date, before depreciation. The 2018 combined budgeted income before depreciation from these sites is \$11.6M.



Financial Summary

Stormwater Improvements and Treatment

	This Request	Total Project Cost	Cost to Date	Remaining Cost
EST Stormwater Improvements	\$ 1,145,000	\$ 1,300,000	\$ 27,137	\$ 1,272,863
NIM Stormwater Treatment	\$ 932,500	\$ 1,150,000	\$ 109,006	\$ 1,040,994
Total	\$ 2,077,500	\$ 2,450,000	\$ 136,143	\$ 2,313,857

EST = East Sitcum Terminal

NIM = North Intermodal Yard



Environmental Impacts/Review

Stormwater Improvements and Treatment

Permitting: None

Remediation: None

Water Quality: Both components of work are Water Quality related

Air Quality: None



Conclusion

Stormwater Improvements and Treatment

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