

Item No.: 4G_Supp
Date of Meeting: March 20, 2018



**THE NORTHWEST
SEAPORT ALLIANCE**
Gateway to Solutions

Update

Clean Truck Program

Clean Truck Program Update

NWSA Clean Drayage System

The Managing Members took the following actions at the February 6 meeting:

Effective **April 1, 2018**, all trucks entering NWSA international container terminals must have a 2007 engine or newer or equivalent emissions control retrofits to be considered compliant. To continue to access the terminals after April 1, 2018, a driver with a non-compliant truck may apply for a Temporary Access Pass. This pass will require a commitment from the trucker to become compliant by the end of 2018.

Effective **Jan. 1, 2019**, all non-compliant trucks will be turned away from NWSA international container terminals.



Clean Truck Program Update

NWSA Clean Drayage System

Temporary Access Pass

- As of 3/9/18: Over 525 truck owners have completed the application, representing over **1,100 noncompliant trucks**
- Clean Truck Program offices open in Seattle and Tacoma March 5 through March 31, Monday–Friday, 7 a.m. to 7 p.m., and Saturdays from 8 a.m. to noon.
- Sent emails, distributed hundreds of flyers at the truck gates, and hung banners to notify truck owners of online link, physical locations and deadlines.



Clean Truck Program Update

NWSA Clean Drayage System

Clean Truck Fund

- The state legislature passed SB 6207 – the bill to expend port funds for pollution control. Effective June 9, 2018.
- The compromise state budget includes \$1.2 million for the NWSA Clean Truck Fund. Those funds become available July 1.
- Staff is conducting due diligence on fund structure and will utilize feedback from the Clean Truck Temporary Access Pass applications to draft the request for proposals, expected to be released in April.



Item No.: 4G_Supp
Date of Meeting: March 20, 2018



**THE NORTHWEST
SEAPORT ALLIANCE**
Gateway to Solutions

Project Authorization for Clean Drayage System

Project Authorization NWSA Clean Drayage System

As referenced in NWSA Resolution No. 2016-04, Exhibit A, Delegation of Authority Master Policy, Paragraph 8.c.iii., states project costs exceeding \$300,000 require approval from Managing Members.

Request project authorization in the amount \$2,264,000 for a total authorized amount of \$2,599,000, for work associated with the NWSA Clean Drayage System project, Master Identification No. 201044.01 for the South Harbor, and CIP No. C801023 for the North Harbor.



Background

NWSA Clean Drayage System

An external consultant provided reports and recommendations for these two viable systems to meet the needs of NWSA.

The technology systems considered were the proprietary WhereNet/eModal system and an Open Standard Passive system by Neology of San Diego, California (formerly controlled by 3M).

WhereNet RFID – is a commercially available proprietary technology manufactured and owned by Zebra Technologies known as the WhereNet Real-Time Location System (RTLS) RFID. It is only available from one distribution source, Kalmar Global, under an exclusive distribution agreement with Zebra WhereNet.

Open Standard (STD) Passive RFID – is an open standard Electronic Product Code (EPC) Global Generation 2 (Gen2) Ultra High Frequency (UHF) Passive Windshield Decal RFID. This is either the same or equivalent to that technology which is currently in use by the WSDOT for the statewide *Good To Go!* tolling program.



Project Description and Details

NWSA Clean Drayage System

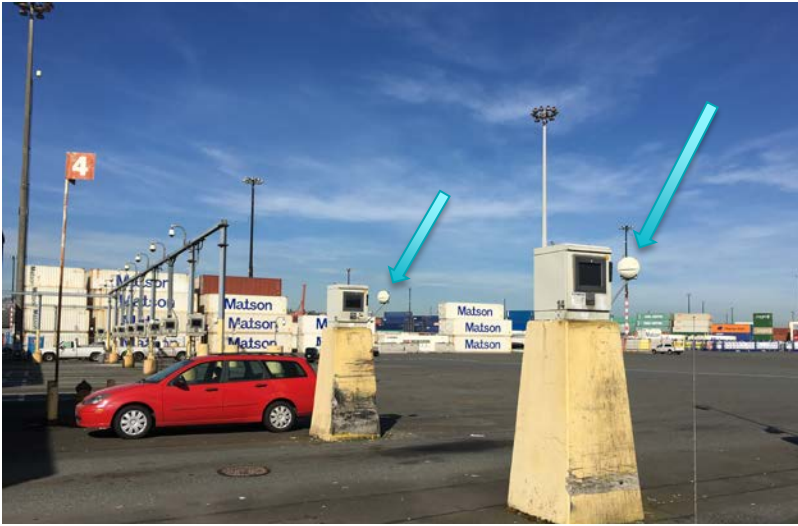
The Clean Truck Program requires all trucks serving the NWSA international terminals to have a 2007 engine or newer, or equivalent emission controls, by April 1, 2018. Non-compliant trucks will not be permitted to drop-off loads or pick-up loads at either North or South Harbor participating international terminals after December 31, 2018.

The technology selected to be installed will:

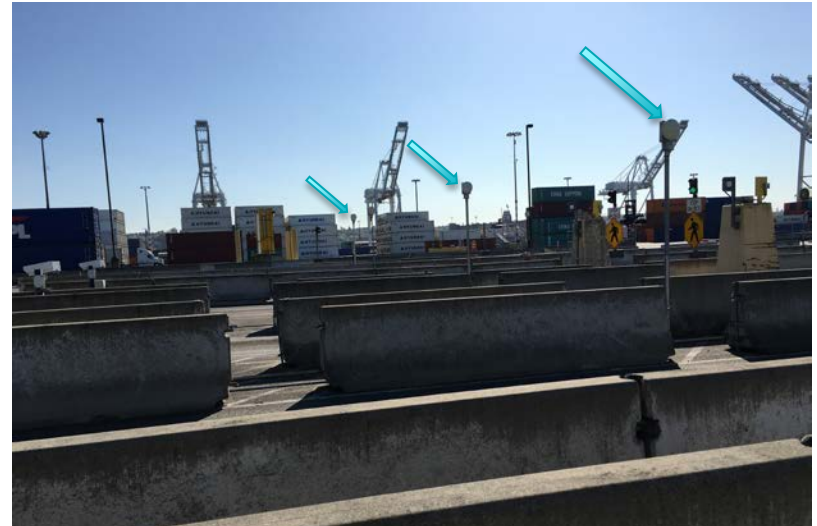
- Improve Safety and Security
- Improve Mobility and Operational Efficiency
- Improve Air Quality
- Improve Collaboration and Data Sharing



NWSA Clean Drayage System



Terminal 18 "Exciters" at Entry Lanes



Terminal 18 "Exciters" at Exit Lanes



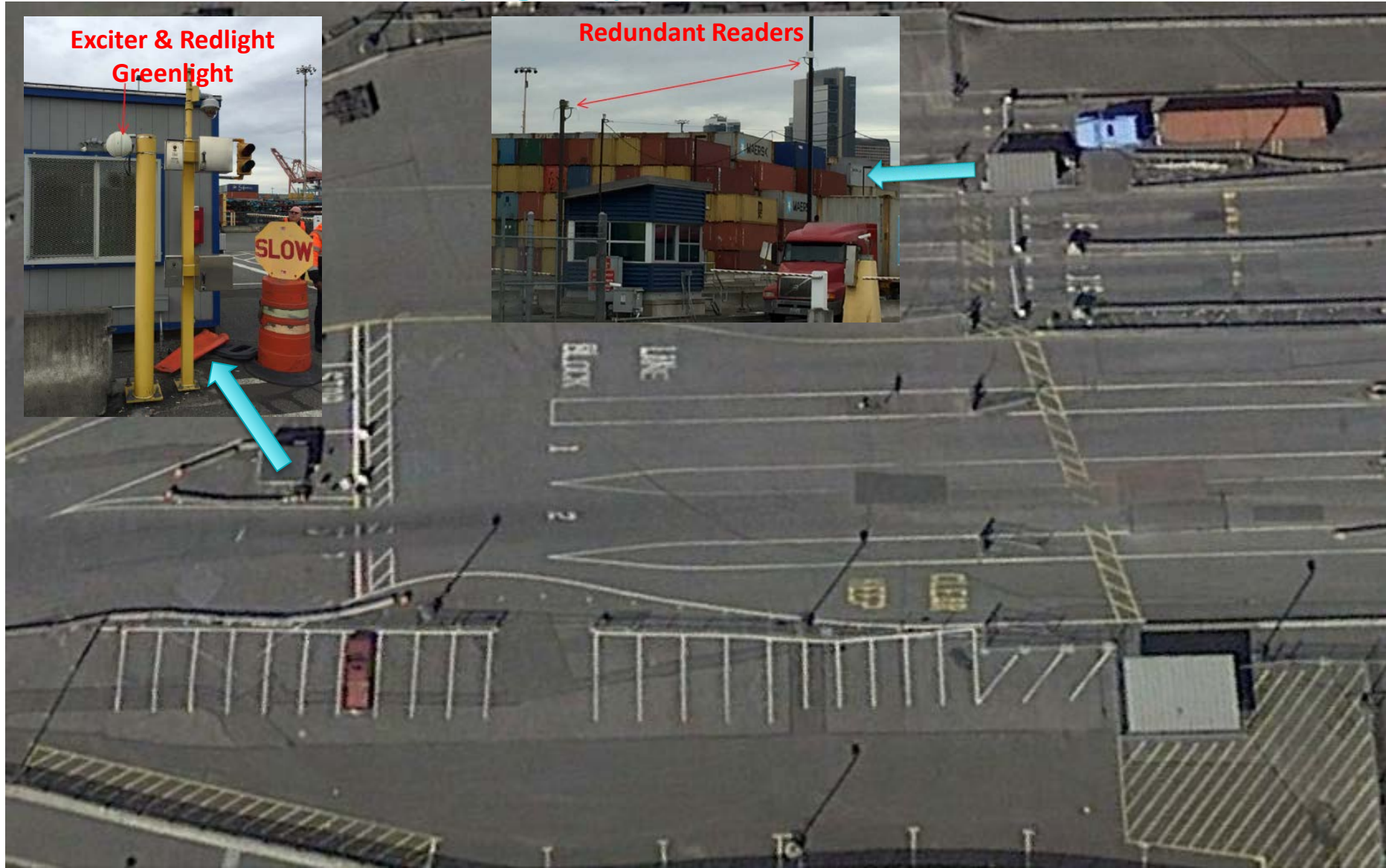
T18 Antenna on Light Pole



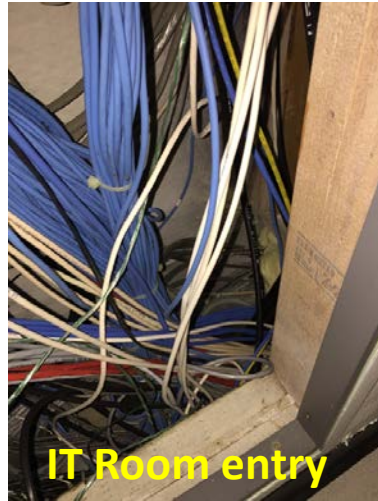
T18 "Exciter" at Gate 4



NWSA Clean Drayage System



NWSA Clean Drayage System



IT Room entry



Fiber optic cable



Fiber optic cable vault



Truck pedestal



Truck pedestal interior



How a server installation will look



Scope of Work

NWSA Clean Drayage System

- **Execute the expansion of WhereNet Technology at North Harbor**
 - Terminals 30 and 46 will expand the single installation of redlight/greenlight to cover each entry and exit pedestal
- **Perform initial WhereNet installation at South Harbor**
 - The four International Terminals: East Sitcum, Husky, Pierce County, and Washington United will each receive installations to cover each entry and exit pedestal.
- **All installations will involve:**
 - Retrofitting truck pedestals with magnetic exciter to energize the individual RFID units on the trucks
 - Pulling new fiber optic cable to service the RFID receivers to read the truck RFID units
 - Kalmar will perform software installation and will activate and commission the systems to communicate with the shared DTR



Requested Authorization NWSA Clean Drayage System

In accordance with the current Master Policy, this request is for completion of the Procurement/Design and Construction Phases of this project. Generally, this will include the use of internal and external services.



Project Schedule

NWSA Clean Drayage System

South Harbor

| | |
|--|-------------------|
| Advance Procurement of Materials and Services | April 2018 |
| Advertise Bids | June 2018 |
| Construction Contract Award | July 2018 |
| Substantial Completion | November 2018 |

North Harbor

| | |
|--|-------------------|
| Advance Procurement of Materials and Services | April 2018 |
| Issue Work Request | August 2018 |
| Testing and Commissioning | October 2018 |
| Substantial Completion | November 2018 |



Source of Funds

NWSA Clean Drayage System

The 2018-2022 Capital Investment Plan (CIP) allocates \$2,050,000 for this project. The 2018 CIP budget includes \$3 million in unallocated capital funds. The increase of \$549,000 will come from this CIP budget line item.

Financial Impact

Project costs will be capitalized and depreciated over an estimated 5-year life resulting in annual depreciation of \$519,000. Depreciation expense for 2018 will be approximately \$43,000 based on a completion date of November 2018. This cost will be covered by existing revenue.



Financial Summary

NWSA Clean Drayage System

| | This Request | Total Project Cost | Cost to Date | Remaining Cost |
|---|---------------------|---------------------|------------------|-----------------------|
| North Harbor | | | | |
| Technology Purchase | \$ 279,000 | \$ 279,000 | \$ - | \$ (279,000) |
| Pre-Design | \$ - | \$ 50,000 | \$ - | \$ (50,000) |
| Design | \$ 265,000 | \$ 265,000 | \$ - | \$ (265,000) |
| Construction | \$ 351,000 | \$ 351,000 | \$ - | \$ (351,000) |
| Subtotal – North Harbor | \$ 895,000 | \$ 945,000 | \$ - | \$ (945,000) |
| *Footnote: Costs for Entry Gate modifications only to support redlight/greenlight = \$708,750 | | | | |
| South Harbor | | | | |
| Technology Purchase | 794,000 | 794,000 | - | \$ (794,000) |
| Pre-Design | - | 90,000 | 57,528 | \$ (32,472) |
| Design | 25,000 | 220,000 | | \$ (220,000) |
| Construction | 550,000 | 550,000 | | \$ (550,000) |
| Subtotal – South Harbor | \$ 1,369,000 | \$ 1,654,000 | \$ 57,528 | \$ (1,596,472) |
| *Footnote: Costs for Entry Gate modifications only to support redlight/greenlight = \$1,240,500 | | | | |
| Grand Total | \$ 2,264,000 | \$ 2,599,000 | \$ 57,528 | \$ (2,541,472) |



Environmental Impacts/Review NWSA Clean Drayage System

- **Permitting: SEPA exempt. No environmental permits required.**
- **Remediation: No soils leave site unless tested for contaminants.**
- **Water Quality: May need a Stormwater Pollution Prevention Plan.**
- **Air Quality: This project is intended to improve long term air quality.**



Conclusion

NWSA Clean Drayage System

Request project authorization in the amount \$2,264,000 for a total authorized amount of \$2,599,000, for work associated with the NWSA Clean Drayage System project, Master Identification No. 201044.01 for the South Harbor, and CIP No. C801023 for the North Harbor.

