
Logan Airport North Service Area Optimization Project

East Boston Community Meeting

June 18, 2025

North Service Area (Aerial View)



The North Service Area (NSA) requires new, updated facilities and a better layout to reduce inefficiencies and environmental impacts

Why does Massport need to optimize the NSA?

- Existing buildings are 40-60 years old and are inefficiently placed and out-of-date
- Critical operational functions are conducted within buildings that do not meet the requirements of modern maintenance and storage practices
- Land use is congested and inefficient resulting in excessive vehicle trips on public roadways and unnecessary screening at the North Gate
- The existing ramp for GA aircraft parking is not ideal for current operations

Investing in and optimizing the NSA will:

- Reduce environmental impacts, improve resiliency, and meet net zero goals
- Begin the process of transitioning to a new, zero-emissions bus fleet for Logan Airport
- Provide modern, efficient and sustainable infrastructure while reducing total building SF
- Remove trucks from public roads, reducing truck trips and congestion at the North Gate, enhancing security and reducing emissions
- Consolidate GA aircraft parking ramp for a more efficient operation

The NSA houses critical airport functions that ensure safe and efficient airport operations consistent with FAA safety standards and aircraft parking

Critical Functions in the NSA

- Massport facilities including Maintenance Dept., Electrical Dept., Sign Shop, Central Stock Room, Structural Dept., salt and sand sheds, Wildlife Management, and fueling
- Airfield equipment storage and staging
- Airfield/Airport crew offices, workshops, bunk buildings for snow crews
- Aircraft parking
- Flight kitchens
- Bus storage, cleaning, and light maintenance
- Airline ground support equipment



North Service Area – Existing Conditions 2025



Existing facility buildings are in need of replacement and consolidation



Hangar 5



Facilities 3



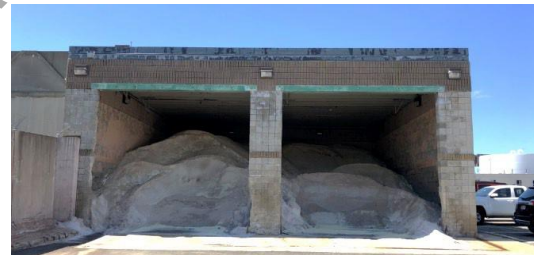
Facilities 2



Central Stock Room



Building 15 – Large Vehicle Storage



Salt Shed

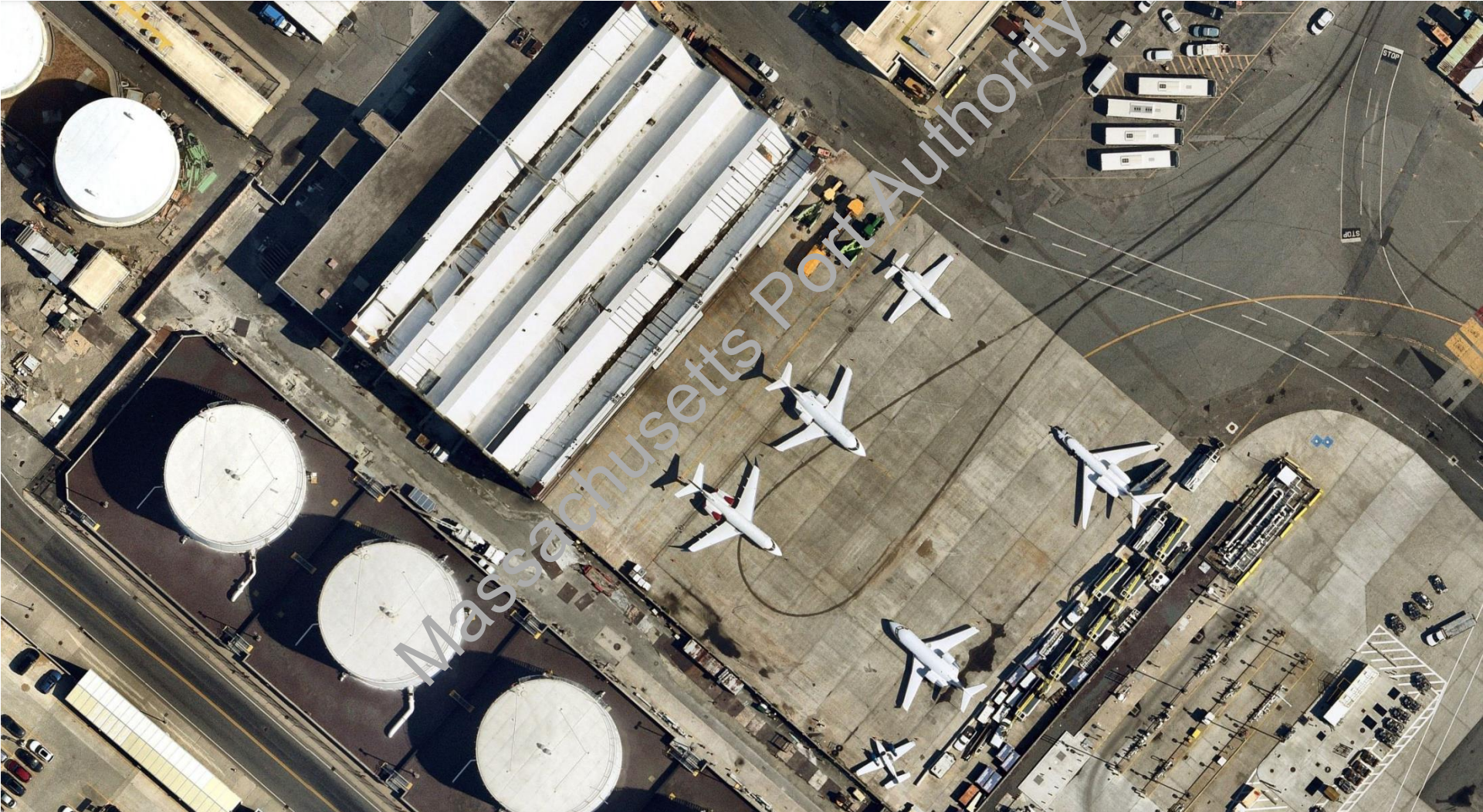


Bunk Trailers

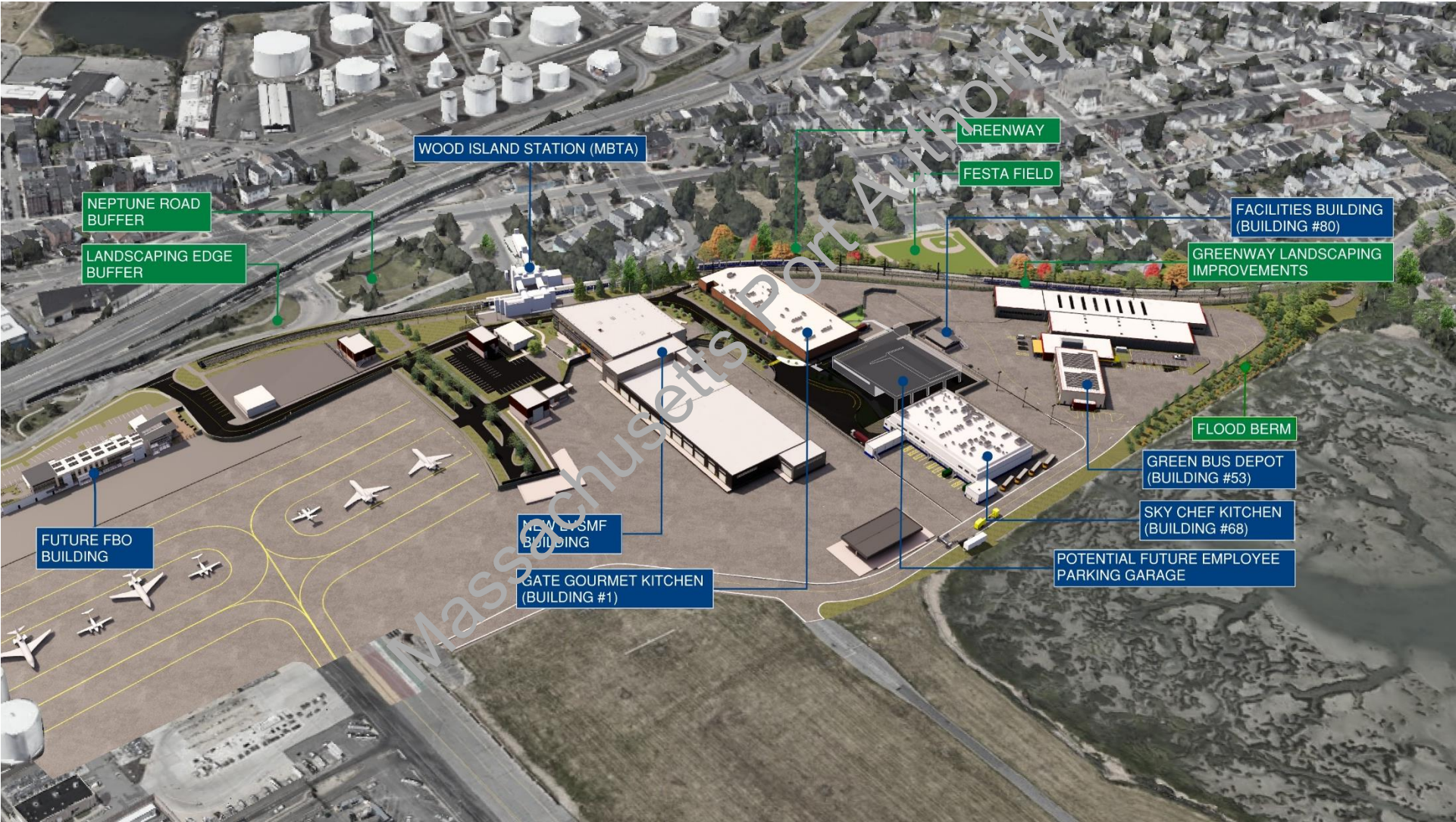


Wildlife Management

Current General Aviation Aircraft Parking at Hangar 5



North Service Area – Future Buildout



North Service Area – Aerial Image Looking East



North Service Area – Aerial Image Looking South/West



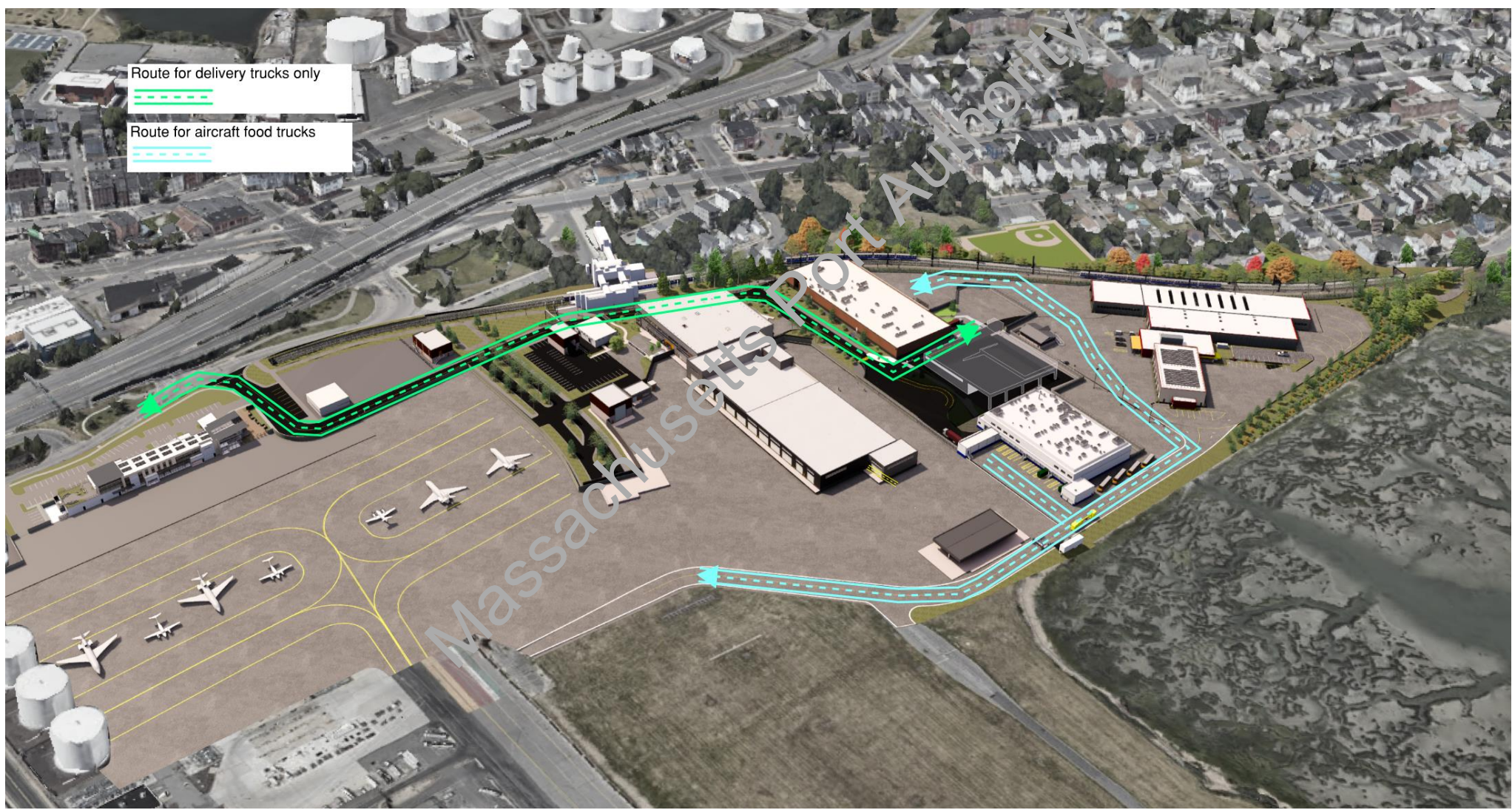
North Service Area – Proposed LVSMF view from Lovell Street



North Service Area – Sky Kitchen Truck Traffic Improvement (Existing)



North Service Area – Sky Kitchen Truck Traffic Improvement (Proposed)

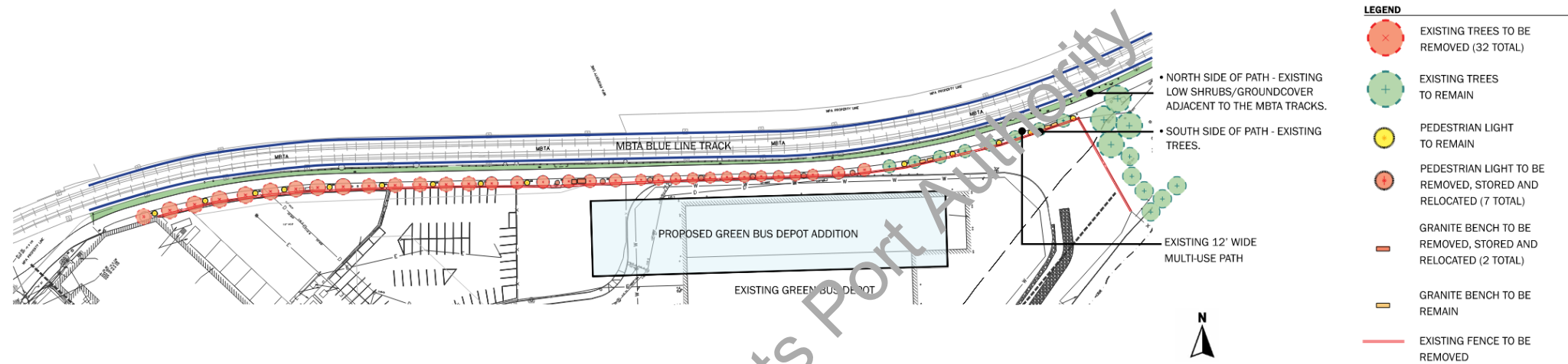


The NSA optimization project will include net zero elements, reduce emissions, enhance resiliency, and beautify the Greenway

- Consolidated facilities will be up to 30-40% more energy efficient than the current buildings
- Construction of a coastal flood berm will provide additional protection from storm surge
- New facilities will be LEED certified, fully electrified, including solar panels
- Removing nearly 150,000 annual truck trips from public roads will reduce vehicle miles traveled by 48,000/year and associated emissions and enhance security
- New buildings will serve as additional buffers from airfield operations
- Greenway will be improved with new and enhanced landscaping



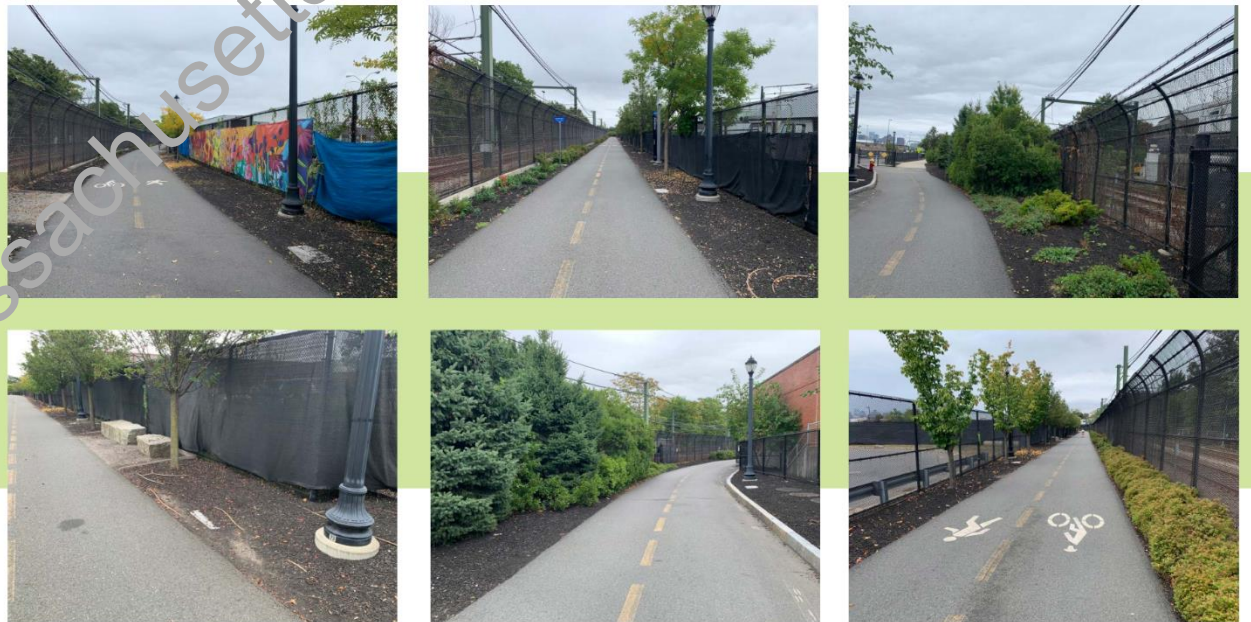
Greenway Landscape and Security Fence Improvement



Existing Condition Plan View

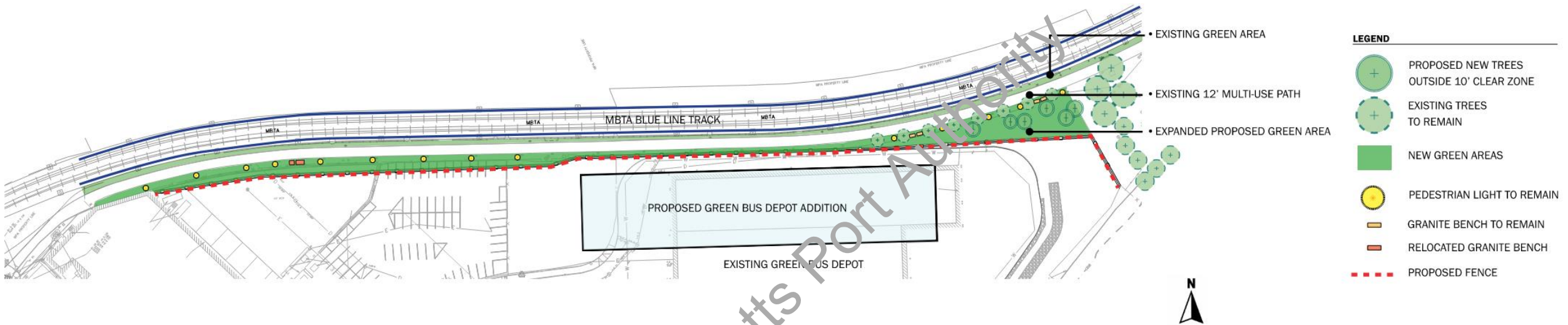


Existing Condition Aerial View

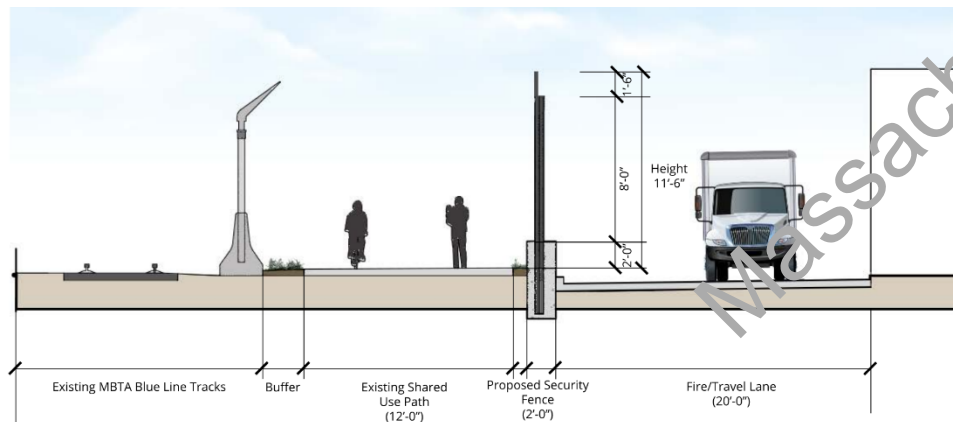


Existing Condition Photos

Greenway Landscape and Security Fence Improvement



Proposed Greenway Overall Plan View



Proposed Greenway Section A-A



Proposed Security Fence application at Reagan Airport (DCA)



Top of Fence Barbed Wire Detail

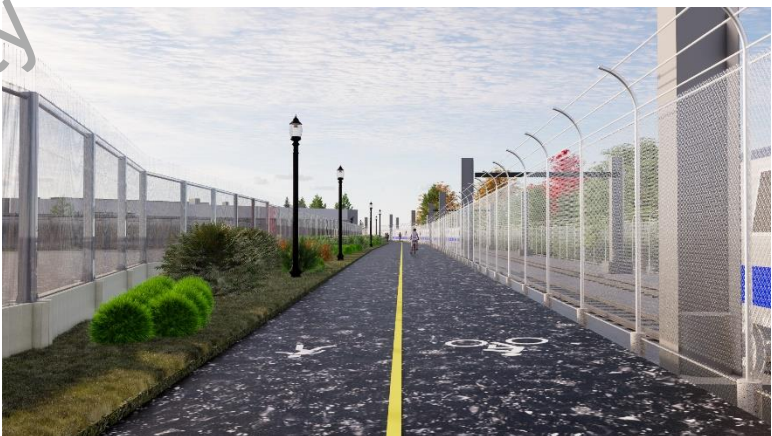
Greenway Landscape and Security Fence Improvement



Proposed security fence looking east from Gate Gourmet



Proposed security fence looking east toward GBD



Proposed security fence looking west toward Wood Island Station



Proposed security fence looking west from the GBD



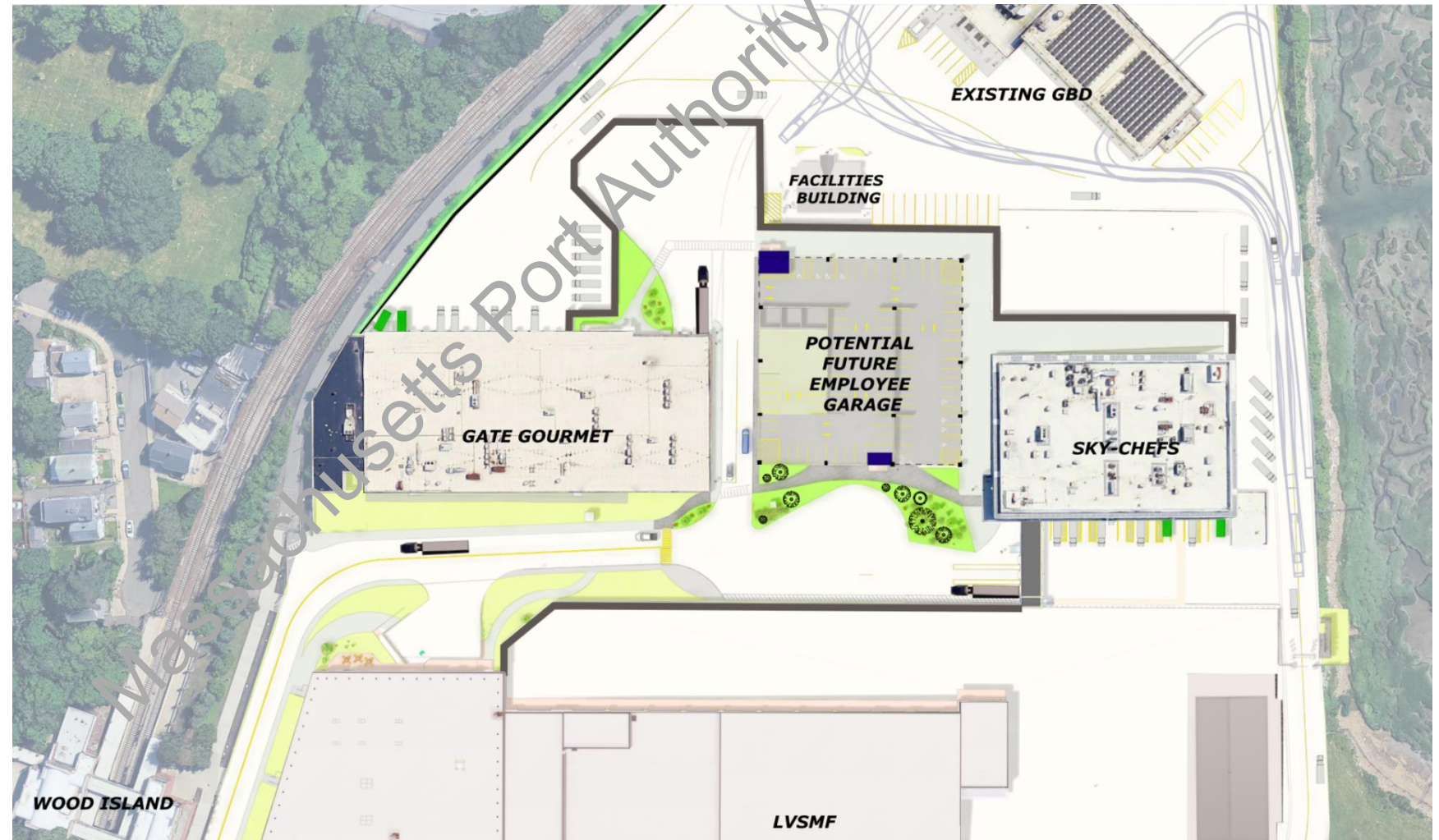
Proposed security fence looking west from the GBD



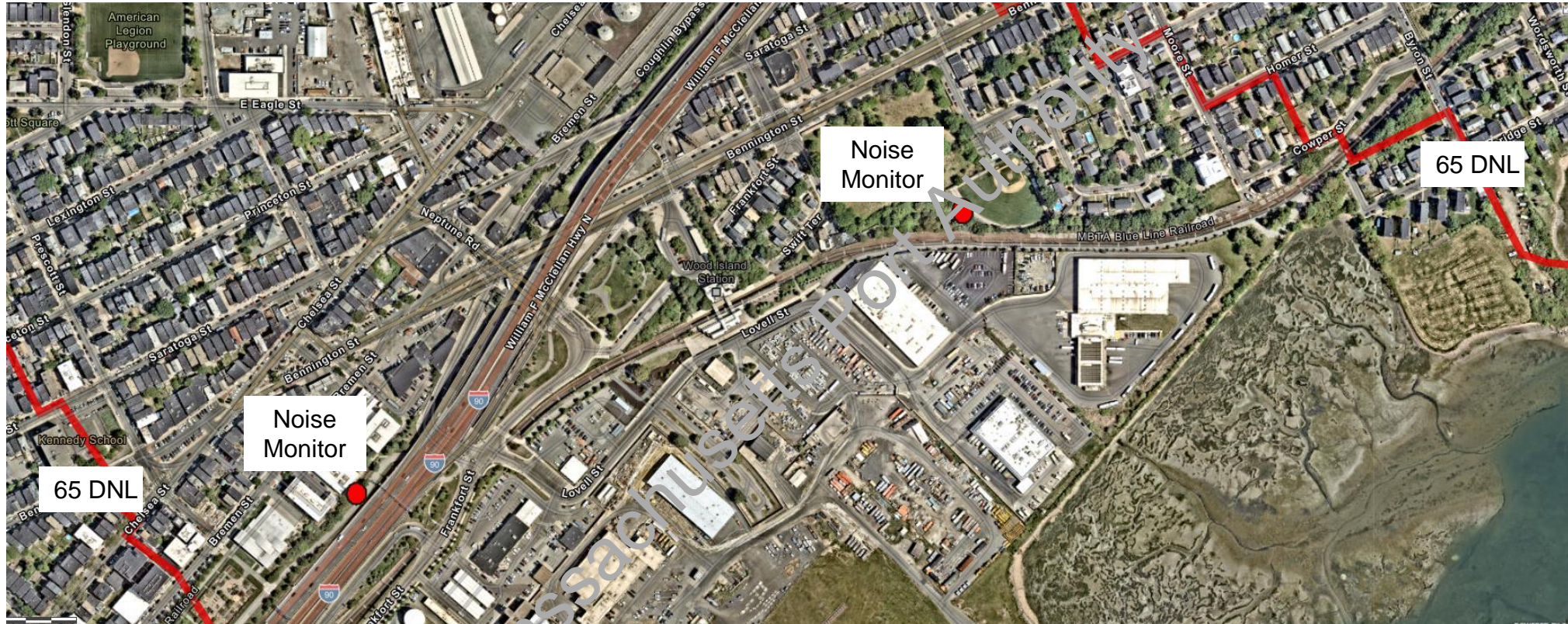
Proposed security fence looking west toward the GBD

Potential NSA Employee Parking Garage & Fleet Vehicle Roadway

- Potential future employee 3 story parking facility
- Consolidation of 300+ parking spaces; no additional (new) spaces
- Soft-edging on area facing the neighborhood
- Improved vehicular circulation at Gate Gourmet and Sky Chefs



Noise Study is Underway



- Developed in consultation with Harbor View Neighborhood Association and with technical input from HMMH
- Located two portable noise monitors at Festa Field and in Bremen Street Park to collect baseline noise data for three weeks
- HMMH will use data to model changes in future noise when compared to no action

Next Steps

- The NSA project has been previewed in the Logan Airport EDR/ESPR public processes:
 - 2017 ESPR
 - 2018/2019 EDR
 - 2020/2021 EDR
 - 2022 ESPR
- Public outreach: Spring 2025
- Permitting: Spring-Summer 2025 (Federal, State & Local)
- Phased construction mobilization anticipated to begin in winter 2025/2026
- Anticipated Completion 2028
- Contact Information:
Anthony Guerriero, Deputy Director, Community Relations & Government Affairs
Phone: 617-568-3739
Email: aguerriero@massport.com

Thank You

Questions & Answers