Long Island Bridge Superstructure Replacement Project
Project Objectives

• Minimize Wetland Impacts
• Minimize Construction Impacts
• Improve Stormwater Performance
• 75 Year Life Span
• Improve Resilience

• All of these objectives are met with the proposed project.
Proposed Replacement Superstructure

- Same Bridge Width/Profile
- Existing Piers
- Higher Clearance Over Water
- Improvements to Storm Water Management
- Minimized Coastal Wetland Impacts Through Construction Methods
- Meets Coast Guard Permit Requirements
- Resiliency Improvements
Old Bridge Superstructure

Replacement Bridge Superstructure
Summary & Questions

• Land Under the Ocean: None Proposed

• Coastal Beach and Land Containing Shellfish: 80 Square Feet (Temporary)

• Coastal Bank: 512 Square Feet (Temporary)

• Land Subject to Coastal Storm Flowage: 592 Square Feet (Temporary)

• Buffer Zone: 126 Square Feet (Permanent)
Team Bridge & Environmental Prequalifications (MassDOT)

- STV Bridge
  - Basic Bridge Design/Rating
  - Intermediate Bridge Design/Rating
  - Complex Bridge Design/Rating
  - Movable Bridge Design/Rating
  - Movable Bridge Design Inspection

- TRC
  - Major Environmental Documentation
  - Geotechnical Engineering
  - Cultural Resources
  - Hazardous Waste - Site Investigation and Assessment
  - Hazardous Waste – Remediation
  - Wetlands - Delineation and Assessment
  - Wetlands – Mitigation
  - Water Quality – Assessment
  - Water Quality - Mitigation
CITY OF BOSTON PUBLIC WORKS DEPARTMENT
BRIDGE SUPERSTRUCTURE REPLACEMENT
LONG ISLAND BRIDGE

FIGURE 12: BARGE STAGING AREA

DATE: MAY 14, 2018

STV

FOR PERMITTING ONLY

CIVIL V. L. K. STARK, P. E.

SCALE: 1" = 80'

RETAIN EXISTING RIP RAP BETWEEN SEAWALL AND ASPHALT
EXISTING RAILING TO BE REMOVED AND REPLACED AS NEEDED

POTENTIAL BARGE STAGING AREA
United States Coast Guard Permit Requirements