Agenda

- Welcome and Introductions
- Safety Briefing
- South Coast Rail (SCR) Phase 1 Overview
- SCR Upcoming Bid Packages
- Procurement/Prequalification Process
- Other MBTA Procurements
- Discussion
Program Goals and Benefits

- Restore Rail Service to South Coast Region
- Upgrade 38 Miles Freight Rail Infrastructure to Support Commuter Rail
- Six New Stations
- Upgrade Bridges, Rail, Crossings, Systems
### SCR Program Delivery Team

<table>
<thead>
<tr>
<th>Organization</th>
<th>Role</th>
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<tbody>
<tr>
<td>MBTA</td>
<td>Program Management</td>
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<td></td>
<td>Commissioning/Operations</td>
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<tr>
<td>MASS DOT</td>
<td>Early Action Construction</td>
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<tr>
<td>VHB/HNTB</td>
<td>Engineer/Architect</td>
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<td>AECOM/HDR</td>
<td>PM/CM</td>
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<td>WSP</td>
<td>Owner’s Representative</td>
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<td>Mass Coastal/Keolis</td>
<td>Force Account Support</td>
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<td>Many of you</td>
<td>Construction</td>
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*MBTA SCR Contractor Forum*
Phase 1 Schedule

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<tr>
<th>Element</th>
<th>CY2018</th>
<th>CY2019</th>
<th>CY2020</th>
<th>CY2021</th>
<th>CY2022</th>
<th>CY2023</th>
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<td>Q2</td>
<td>Q3</td>
<td>Q4</td>
<td>Q1</td>
<td>Q2</td>
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<td>Land Acquisition</td>
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<td>Early Action Construction</td>
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<td>Construction &amp; Commissioning</td>
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Revenue Service Q4 2023
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<tbody>
<tr>
<td>Early Demolition</td>
<td></td>
<td>Bid/Award</td>
<td>Construction (6 mos.)</td>
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<td>Construction (30 mos.)</td>
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Early Demolition
(Contract K78CN02)

Bids Due February 27, 2020

Scope:
- Demolition at nine (9) Sites
- Asbestos/Lead Abatement
- Cut/Cap Utilities
- Debris Disposal
- Backfill/Grade/Loam/Seed
- Fencing
Fall River Secondary (FRS) (Contract K78CN03)

Bidding Period February-April 2020

- 11 Miles of Track
- 2 New Stations
- 1 Layover Facility
- 8 Bridges
- 10 Grade Crossings
- 10 Culverts
- Systems
- Infrastructure
FRS: Full Depth and Modified Track

Full Depth Section (41,000 TF)
- New Ballast and Sub-Ballast
- 100% New 136 lb rail

Modified Section (11,800 TF)
- 100% new 136 lb rail
- 9” min. track raise

Ballast Vibration Mitigation (12,000 TF)
Fall River Secondary Retaining Walls

- Sheet Pile
- Soldier Pile and Lagging
- Precast Concrete Block
## Bridge Summary

<table>
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<tr>
<th>Bridge</th>
<th>Type</th>
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<tbody>
<tr>
<td>Assonet River Bridge</td>
<td>Ballasted deck</td>
</tr>
<tr>
<td>Farm Road North</td>
<td>Box culvert</td>
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<tr>
<td>Farm Road South</td>
<td>Box culvert</td>
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<tr>
<td>Collins Street</td>
<td>Ballasted deck</td>
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<tr>
<td>Ashley’s Underpass</td>
<td>Box culvert</td>
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<tr>
<td>Golf Cart Path</td>
<td>Pedestrian bridge</td>
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<tr>
<td>Turner Street</td>
<td>Ballasted deck</td>
</tr>
<tr>
<td>Pearce Street</td>
<td>Ballasted deck</td>
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</tbody>
</table>
Bridges

Assonet River Lakeville

Collins St. Fall River

Pearce St. Fall River

Turner St. Fall River
Bridges Continued

Farm Rd. Freetown

Farm Rd. Freetown

Golf Cart Path Fall River

Ashley’s Underpass Fall River
Station Materials

- FRP Platform
- Color Galv. Structural Steel
- Standing Seam Polycarbonate Panel
- Scored Concrete Transition Plaza
- Stainless Steel Perf. Metal

MBTA SCR Contractor Forum
Freetown Station
Freetown Station
Continued

2 Canopies
• High Level Side Platform
• Storage & Utilities
• Kiss & Ride
• 107 Parking Spaces
Fall River Depot Station
Continued

- Bus drop off on North Main St.
- High Level Side Platform
- 2 Canopies
- Storage & Utilities
- 220 Parking Spaces
Weaver’s Cove
Layover Continued

Total Area: 1875 sf

KEY

- Common Area
- Offices
- WC, Showers, Lockers
- Storage & Utility

MBTA SCR Contractor Forum
Weaver’s Cove Layover
Crew Building

MATERIALS

- Metal Windows
- Metal Canopy
- Fiber Cement Siding

Front Entry Elevation

Rear Entry Elevation
New Bedford Mainline/Middleborough Secondary
(Contract K78CN04)

Bidding Period April-June 2020

- 27 Miles Track
- 4 New Stations
- 1 Layover (Wamsutta)
- 11 Grade Crossings
- 10 Culverts
- Systems Installation
- Positive Train Control
- Test/Commissioning
- Safety Certifications
Middleborough Station Continued

- High Level Side Platform
- Kiss and Ride
- 3 Canopies
- 501 Parking Spaces
• Center Island Platform

• Vertical Circulation: elevators, ramps, & bridges
New Bedford Station
New Bedford Station
Continued

- New pedestrian bridge over Rt 18
- High Level Side Platform
- 2 Canopies
- 352 Parking Spaces
New Bedford Mainline Track Improvements

- Single Track – 69,300 Track Feet
- Double Track – 31,300 Track Feet
- Wamsutta Yard – 8,000 Track Feet
- Install 38 turnouts (MBTA Supplied)
  - 33 Main line turnouts
  - 5 Yard turnouts
- 9,300 LF of Ballast mats for vibration mitigation
- All new rail – 136 lb rail
New Bedford Mainline Retaining Walls

- Sheet Pile
- Soldier Pile and Lagging
- Precast Concrete Block
Wamsutta Layover Facility

• 6 Tracks
• Crew Quarters
• Employee Parking
• Gated Facility
Wamsutta Layover
Continued

**KEY**

- Common Area
- Offices
- WC, Showers, Lockers
- Storage & Utility

Total Area: 1875 sf
Wamsutta Layover
Crew Building

MATERIALS

- Metal Windows
- Metal Canopy
- Fiber Cement Siding

Front Entry Elevation
Rear Entry Elevation

MBTA SCR Contractor Forum
Furnish/Install
Communications System

- Fiber Optic Backbone
- VHF Radio System
- Access Control/CCTV Systems
- Network Switches
Furnish/Install Signal Systems

- Signal Cabling
- Signal Equipment (110 SIHs and Cases)
- Interlockings
- New or Upgraded Signals at Grade Crossings
- Signal Power Equipment & Distribution
- Civil Support: Manholes/Duct banks
- Independent Vital and Non-Vital Network for Remote Access
Furnish and Install:

- PTC Antenna and Mast
- PTC Radio
- PTC Network Switches
- All Wayside PTC Infrastructure Including Transponders
- Back Office Upgrades at CTEC (Amtrak) and CROCC (MBTA)
Systems Integration: Testing and Commissioning

- Safety Certification
- System Integration Testing
- Rail Activation Plan
Fill Management

- Mass DEP Approved
- Maximize Re-Use of Excavated Soil
- Use Weaver’s Cove as Soil Transfer Location
- New Bedford Line: Deliver Excess Fill To FRS
- Allowance Item: Off Site Disposal For Unacceptable Soil
Environmental Requirements

- MBTA Obtained Permits
- Work Limits, Time of Year
- Contractor Compliance
Chapter 30 Section 39M
Design Bid Build Procurement

Advertisement to NTP
(2-3 months)

21-45 DAYS

PBCS Sign-off
AGM Approval to Advertise (includes Notice to Bidders, Estimate, Budget Memo)

Advertise
CA
Advertise in Print Media and post on MBTA Website and Central Register Plans/Spreads uploaded MBTA FTP Site

Bid Phase
CA/PM
Bidding
- Site Tour/Pre bid
- Questions and Clarifications
- Issuance of Addenda
- RFP prepare draft
- Staff Summary (for Contract values > $15M (CA/PM))

Bid Opening
CA
Bid Opening
(30 Days) Note: 21 day min.

Bid Analysis/Review
CA/PM/Designer
- Bid Documentation Review & Analysis
- ODCR Concurrency on DBE sub
- Pre-Award Meeting with Contractor (2 Days)

Authorization Package
Auth. Package Prep.
- Staff Summary submitted for approval (Contracts > $15M)
- Notice of Award letter prepared (7 Days)

Award to GC (NOA)
CA
Notice of Award Conformed Contract Issued to Contractor (1 Day)

GC Return of Contract
GC Contractor returns Contract w/Contract & Bond Forms & Insurance Requirements MBTA Review/Sign off (7 Days)

Conformed Contract Completeness
CA
CA finalizes contract for MBTA Signatures (1 Day)

Contract Execution
AGM/Risk Manager/Budget/Legal/GM
Execute Contract (5 Days)

NTP
CA
Issues NTP (1 Day)

45 DAYS

45 DAYS
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<tr>
<th>Contract No.</th>
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https://bc.mbta.com/business_center/bidding_solicitations/current_solicitations/
https://bc.mbta.com/business_center/bidding_solicitations/future_solicitations/
Discussion