MBTA Bus Facility Modernization Program
New Quincy Maintenance Facility

South West Middle School, Quincy
January 29, 2020
6pm
• Introductions
• Overview of MBTA Bus System
• Proposed relocation of Quincy Bus Facility
• Benefits of new Bus Facility
• Near term MBTA uses
• Next Steps
MBTA Bus System Overview

- The MBTA serves 1.23 million trips every weekday, helping to support a sustainable and economically competitive metropolitan Boston region.
- After the subway, MBTA bus carries the largest share of riders (about 34%)
- MBTA operates 1,050 buses on 170 routes, serving over 8,000 bus stops across 51 cities and towns
- Bus plays an important role in helping the MBTA meet regional equity, economic development and environmental goals.
### Bus Role in Meeting Regional Goals - Equity

- Buses serve significantly more minority riders and more low-income riders than other modes

<table>
<thead>
<tr>
<th>Mode</th>
<th>% Low-income</th>
<th>% Minority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bus</td>
<td>41.5%</td>
<td>48.0%</td>
</tr>
<tr>
<td>Commuter Rail</td>
<td>6.8%</td>
<td>14.6%</td>
</tr>
<tr>
<td>Ferry</td>
<td>3.7%</td>
<td>1.7%</td>
</tr>
<tr>
<td>Rapid Transit</td>
<td>26.5%</td>
<td>30.8%</td>
</tr>
<tr>
<td>Quincy Buses</td>
<td>43.7%</td>
<td>45.0%</td>
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</tbody>
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- Bus routes operated out of the Quincy garage mirror the bus system as a whole
Bus Role in Meeting Regional Goals - Economy

• Massachusetts and its expanding economy has reached a tipping point for congestion

• Investment in transit resources is essential to the reliability of current operation and support of growing ridership
Bus Role in Meeting Regional Goals - Economy

Quincy Center is undergoing one of the largest urban revitalization efforts anywhere in Massachusetts.

- 50 acres of mixed-use development
- Significant increase in retail and residential space
- Investment in transportation infrastructure critical to support growth
Bus Role in Meeting Regional Goals - Environment

- MBTA committed to promoting sustainability and delivering a more reliable bus system:
  - Replacing entire current bus fleet
  - Growing bus fleet to meet growing ridership and reduce the number of single occupancy vehicles
  - Procuring and testing battery electric buses (BEBs) to reduce greenhouse gas emissions
  - Offering incentives to build more density near transit
Existing Bus Maintenance Facilities

- **LYNN (89)**
- **FELLSWAY (76)**
- **NORTH CAMBRIDGE (28)**
- **CHARLESTOWN (254)**
- **SOUTHAMPTON (104)**
- **CABOT BUS (180)**
- **ALBANY (116)**
- **ARBORWAY (118)**
- **QUINCY (86)**

**Quincy** - In operation initially as streetcar facility (1904 or earlier); accommodates 86 buses

- **9** Maintenance garages
- **54** Average age of a facility
- **1925** Year of the oldest bus facility constructed
Bus Facilities Modernization Goals

- Maintenance and storage capacity to meet future demand and network-wide modernization
- Conversion to zero-emissions (battery electric technology) fleet
- Modern conditions for our workforce through:
  - Continued state of good repair investments in existing garages
  - Construction of modern, state of the art facilities
Status of Quincy Bus Garage
Some of the criteria used for site search included:

- Parcel size and shape
- Location relative to the Quincy bus route network
- Roadway access
- Availability
- Topography
- Comparable land use history
Site History – 599 Thomas Burgin Parkway

- Current site of Lowes, constructed in 2010
- Land use has been industrial/commercial since 1883
- Former uses:
  - Union Gear and Sprocket Company
  - Ice warehouse
  - City of Quincy Water Department
  - Iron foundry
  - Fuel and oil company
  - Seafood processing company
Benefits of a Modern, Environmentally Friendly Facility

• Quiet and clean operations on site
• Visual improvements to the site building and landscaping
• Improved pedestrian access
• Indoor facility
• Environmentally friendly and resilient design
• Allows for use of battery-electric buses
Benefits of a Modern, Environmentally Friendly Facility

- More reliable service
- Potential for additional service for Quincy
- First MBTA facility designed to support future battery electric bus fleet
- Less vehicular traffic than prior use
The MBTA has near term needs that can be met at the Lowe’s site immediately, reactiving a currently vacant site:

- Commuter parking to expedite Quincy Adams garage reconstruction
- Indoor storage for spare parts and other equipment
Next Steps

• Finalize short term parking and storage arrangement
• Undertake state and federal environmental review for the bus maintenance facility
• Regular updates for elected officials and the community