“In order to capitalize on that progress, this Acceleration Plan will allow the T to continue its investments at a faster pace, with greater focus on service improvements to provide a safe, reliable means of transportation that supports our economy, and gets people where they need to go.”

Governor Charlie Baker
(June 25, 2019)
## 2019 MassAcceleration | Benefits at a Glance

### Six Opportunities

**Work Includes:**

- ✓ Track Replacement
- ✓ Wayfinding (Signage & Lighting)
- ✓ Intersection Upgrades
- ✓ Elevators & Accessible Pathways
- ✓ Station Condition Repairs
- ✓ Parking improvements

### Next Steps:

<table>
<thead>
<tr>
<th>2019:</th>
<th>Maximize work during both planned and additional weekend diversions</th>
</tr>
</thead>
</table>

### Major Benefits

#### Safety

- **Mitigate risk of service interruptions** by replacing old track (30+ years)
- Improve safety for pedestrians, bicyclists, and drivers while crossing the tracks

#### Service Delivery

- **Reduce travel time** through elimination of slow zones
- Improve on-time performance and reduce delay events

#### Access

- Upgrade elevators for improved station access
- Improve pedestrian access for people of all abilities

#### Customer Experience

- Improve signage to help riders navigate the system more easily
- Enhance station condition for a more pleasant riding experience

---

**Massachusetts Bay Transportation Authority**
### Potential opportunities for additional right-of-way and station work during proposed outages and diversions include:

<table>
<thead>
<tr>
<th>Right of Way/Tunnel Work</th>
<th>Other Station Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>Track and power maintenance</td>
<td>Power wash/deep clean</td>
</tr>
<tr>
<td>• Third rail insulators</td>
<td>• Replace/repair platform edge</td>
</tr>
<tr>
<td>• Replace third rail electrical connections</td>
<td>• Elevator/Escalator maintenance</td>
</tr>
<tr>
<td>Tunnel leak repairs</td>
<td>• Replace station maps</td>
</tr>
<tr>
<td>Tunnel debris clean-up</td>
<td>• Repair stairs</td>
</tr>
<tr>
<td>Detailed power inspections</td>
<td>• Repair fare equipment</td>
</tr>
<tr>
<td>Tunnel inspections and utility survey</td>
<td>• Repair access hatches</td>
</tr>
<tr>
<td>Address barriers to accessibility</td>
<td></td>
</tr>
</tbody>
</table>
# Planned Weekend Outages & Diversions

**Fall 2019 (September-October)**

<table>
<thead>
<tr>
<th></th>
<th>September</th>
<th>October</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9/7-8  9/14-15  9/21-22  9/28-29</td>
<td>10/5-6  10/12-13  10/19-20  10/26-27</td>
</tr>
<tr>
<td>Orange Line – SW Corridor</td>
<td>Orange Line – SW Corridor</td>
<td>Orange Line – SW Corridor</td>
</tr>
<tr>
<td>Orange Line – Tufts to Sullivan</td>
<td>Orange Line – Tufts to Sullivan</td>
<td>Orange Line – Tufts to Sullivan</td>
</tr>
<tr>
<td>Red Line – Broadway to Kendall</td>
<td>Red Line – Broadway to Kendall</td>
<td>Red Line – Broadway to Kendall</td>
</tr>
<tr>
<td>Green Line – C Branch</td>
<td>Green Line – C Branch</td>
<td>Green Line – C Branch</td>
</tr>
<tr>
<td>Green Line – B Branch</td>
<td>Green Line – B Branch</td>
<td>Green Line – B Branch</td>
</tr>
<tr>
<td><strong>Special Events</strong></td>
<td><strong>Special Events</strong></td>
<td><strong>Special Events</strong></td>
</tr>
<tr>
<td>• Red Sox  • Komen three-day  • Boston Arts Fest  • BC game  • PCMH Conference (Hynes)</td>
<td>• San Gennaro Feast  • Billy Joel (Fenway)</td>
<td>• Boston Freedom Rally  • Jimmy Fund Walk  • Museum Day  • AAOMS Conference (BCEC)</td>
</tr>
<tr>
<td>• Red Sox  • Boston Local Music Fest  • BC game</td>
<td>• Autism Speaks Walk  • Roslindale Day Parade</td>
<td>• BAA Half Marathon  • Harvard Sq Oktoberfest  • E. Boston Columbus Day Parade</td>
</tr>
<tr>
<td>• Red Sox  • BC game</td>
<td>• Head of the Charles Regatta  • Boston Fire 10k</td>
<td>• Financial Professionals Conf. (BCEC)</td>
</tr>
<tr>
<td>• Cancer Research Conf. (Hynes)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Legend**

- Existing outages & diversions
- New outages & diversion to support acceleration
# Planned Weekend Outages & Diversions

## Fall 2019 (November-December)

<table>
<thead>
<tr>
<th></th>
<th>November</th>
<th>December</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11/2-3</td>
<td>11/9-10</td>
</tr>
<tr>
<td>Orange Line – SW Corridor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orange Line – Tufts to Sullivan</td>
<td>Orange</td>
<td>Orange</td>
</tr>
<tr>
<td>Red Line – Broadway to Kendall</td>
<td>Red</td>
<td>Red</td>
</tr>
<tr>
<td>Red Line - Mattapan</td>
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</tr>
<tr>
<td>Green Line – D Branch</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>Green Line – C Branch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Green Line – B Branch</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>Special Events</td>
<td>11/16-17</td>
<td>11/23-24</td>
</tr>
<tr>
<td>• BC Game</td>
<td>• Camp Citython 5k</td>
<td>• Jonas Brothers (Garden)</td>
</tr>
<tr>
<td>• Spartan Race (Fenway)</td>
<td>• Liver Disease Conf. (Hynes)</td>
<td>• Pri-Med Conference (BCEC)</td>
</tr>
<tr>
<td></td>
<td>12/7-8</td>
<td>12/14-15</td>
</tr>
<tr>
<td></td>
<td>12/21-22</td>
<td>12/28-29</td>
</tr>
</tbody>
</table>

*Note: no diversions currently scheduled for weekend of 11/30-12/1 following Thanksgiving*

### Legend
- Existing outages & diversion
- New outages & diversions to support acceleration

8/9/2019
Wayfinding & Station Improvements

What are the tangible benefits?

Before

2019: Green Line Platform at Park Street (Confusing Signs)

- Under-lit and uneven lighting coverage throughout station *reduces visibility*
- Haphazard signage placement *confuses riders*, suboptimal for persons with disabilities
- Signage is *inconsistent*, with designs and typology from various eras

After

Same view, future Green Line Platform at Park Street

- Improved lighting coverage significantly *enhances station appearance* and security
- Decluttered placement *reduces confusion* while navigating the station
- Signs will be visible to *users of all abilities*
- Approach will produce *consistent branding*

Ensure **Clear, Consistent and Correct** signage throughout the system.
# 2019 Acceleration

## Green Line Intersection Upgrades

<table>
<thead>
<tr>
<th>Baseline Scope:</th>
<th>Perform 30 intersection upgrades (road and pedestrian track crossings) on B and C Branches and one (1) on the Mattapan Line</th>
</tr>
</thead>
</table>

### Accelerated Work:

- **✓ Accelerate 10 intersection upgrades** scheduled for 2020 through weekend work to maximize use of the existing planned diversions and condense project timeline by 5 months

### Additional Scope:

- **✓ 7,000 feet of track replacement** added to the existing planned weekend diversions

Significantly **mitigate risk of service interruptions** by replacing aged track - 60% built between 1980-1989 (30+ years old)

### Benefits:

- **Reduce travel time** through elimination of slow zones on C Branch (1,550 ft produces 34 seconds westbound delay)
- **Improve pedestrian access and safety** through compliance with Americans with Disabilities Act (ADA) at 7 locations

### Affected Ridership:

Weekend station rider entries of approximately 12,900 B Branch and 6,500 C Branch

---

**Timeline:**

<table>
<thead>
<tr>
<th>Baseline Accelerated</th>
<th>14 Months</th>
<th>9 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 2019</td>
<td>Dec 2019</td>
<td>May 2020</td>
</tr>
</tbody>
</table>

**Timeline:**

- **Accelerated:** 9 Months
- **Baseline:** 14 Months

- **March 2019:**
  - Perform 10 intersection upgrades scheduled for 2020
  - 7,000 feet of track replacement added to the existing planned weekend diversions
  - 10 intersection upgrades scheduled for 2020 through weekend work to maximize use of the existing planned diversions and condense project timeline by 5 months

- **8/9/2019:**
  - Accelerate 10 intersection upgrades scheduled for 2020 through weekend work to maximize use of the existing planned diversions and condense project timeline by 5 months
  - 7,000 feet of track replacement added to the existing planned weekend diversions

- **Platform banner:**
  - Riders should allow 15-20 minutes of extra travel time to reach their destination by shuttle bus during the planned weekend diversions.

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**BOSTON COLLEGE**

**CLEVELAND CIRCLE**

**RIVERSIDE D**

**Intersection locations**
Wayfinding & Station Improvements - Park Street Station

Baseline Scope:
- Improvements to Park Street Station to bring wayfinding into compliance with MBTA standards and Americans with Disabilities Act (ADA) including:
  - New and replacement wayfinding signage
  - Lighting improvements
  - Cleaning and painting within station (including track pit)

Accelerated Work:
- ✓ Accelerate station brightening and wayfinding work through (4) weekend diversions to condense the project timeline by 4 months
- ✓ 900 feet of track replacement and tactile edge replacement

Benefits:
- Mitigate risk of service interruptions by replacing track built in 1986
- Overall improvement of condition of accessible pathways
- Enhanced station navigation and lighting. Compliance with ADA, Limited English Proficiency (LEP) and new MBTA wayfinding standards and station condition (cleanliness, walkways)

Affected Ridership: Approximately 3/4 of riders on the Red Line. Saturday (75,000 – 90,000) riders and Sunday (55,000 – 65,000)
- All customers accessing the Red Line at Park Street
- Red Line riders traveling through or transferring at Park Street
- Riders transferring from Green Line to the Red Line at Park Street

Timeline:
- Baseline: 13 Months
  - March 2019
  - Dec 2019
  - April 2020
- Accelerated: 9 Months

8/9/2019
Wayfinding & Station Improvements - Downtown Crossing (DTX)

Red Line Station wayfinding and station improvements at Downtown Crossing (DTX), including:

- New and replacement wayfinding signage
- Cleaning and painting within station (including track pit)

Accelerate station brightening and wayfinding work through (4) weekend diversions to condense the project timeline by 11 months

900 feet of track replacement and tactile edge replacement

Mitigate risk of service interruptions by replacing aged track built in 1986

Overall improvement of condition of accessible pathways

Enhanced station navigation and lighting. Compliance with ADA, Limited English Proficiency (LEP) and new MBTA wayfinding standards and station condition (cleanliness, walkways)

Affected Ridership: Approximately 3/4 of riders on the Red Line. Saturday (75,000 – 90,000) riders and Sunday (55,000 – 65,000)

- All customers accessing the Red Line at Park Street
- Red Line customers traveling through or transferring at Park Street
- All customers transferring from Green Line to the Red Line at Park
**Wayfinding & Station Improvements** - Downtown Crossing (DTX), Haymarket, State Street

<table>
<thead>
<tr>
<th>Baseline Scope:</th>
<th>Orange Line Station <strong>wayfinding and station improvements</strong> at Downtown Crossing (DTX), Haymarket, and State, including:</th>
</tr>
</thead>
</table>
|                | • New and replacement wayfinding signage  
|                | • Cleaning and painting within station (including track pit)                                                      |

**Accelerated Work:**

- ✓ **Accelerate station brightening and wayfinding** work through (6) weekend diversions to condense the project timeline **11 months**
- ✓ **2,250 feet of track replacement** at DTX, Haymarket and State Street
- ✓ Chinatown Station cleaning and painting

**Benefits:**

- **Mitigate risk of service interruptions** by replacing aged track built between 1970-1987 (30+ years old)
- Overall improvement of condition of accessible pathways
- **Enhanced station navigation and lighting;** compliance with ADA, Limited English Proficiency (LEP) and new MBTA wayfinding standards

**Affected Ridership:** Approximately 4/5 of weekend riders on the Orange Line: Saturday 65,000 – 85,000 riders and Sunday 45,000 – 60,000 riders

- All customers accessing the Orange Line at the 4 stations
- Orange Line riders traveling through or transferring at 4 stations
- All Orange Line riders transferring to Red Line at DTX, to Blue Line at State, and to Green Line at Haymarket and North Station

**Timeline:**

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>July 2019</td>
<td>Dec 2019</td>
</tr>
</tbody>
</table>

**Additional Scope:**

- **Accelerate** station brightening and wayfinding work through (6) weekend diversions to condense the project timeline **11 months**
- **2,250 feet of track replacement** at DTX, Haymarket and State Street
- **Chinatown Station cleaning and painting**
Harvard Station Elevator - Plaza to Lobby

Baseline Scope:
New enlarged elevator, elevator headhouse and machine room, upgrade elevator power capacity, upgrade station fire alarm system and modify plaza paving in coordination with City of Cambridge plaza improvements

Accelerated Work:
Accelerate the completion of this elevator modernization project by 5 months through increased work crews/shifts and enlarged work zones

Additional Scope:
✓ N/A

Benefits:
Overall improvement of condition of accessible pathways
Lighting, and compliance with ADA, Limited English Proficiency (LEP) and MBTA elevator wayfinding standards

Affected Ridership: N/A
**Parking Facility Improvements** - Multiple Locations

**Baseline Scope:**
Additional scope for existing on-call construction contract. Work consists of providing construction-related services on an on-call basis to support routine and urgent capital maintenance needs at commuter rail and transit parking facilities. This includes pavement/drainage repairs, abandoned equipment removal and complete pavement overlays.

**Accelerated Work:**
- N/A

**Additional Scope:**
- Complete capital maintenance, pothole repairs, equipment removal, and paving of Littleton lot in 2019.

**Benefits:**
- Overall improvement of accessibility and customer experience
- Meet the MBTA’s reliability and modernization goals

**Affected Ridership:**
Varies depending on parking facility. Typically less than 100 riders.

**Timeline:**

<table>
<thead>
<tr>
<th>Baseline Accelerated</th>
<th>Baseline</th>
<th>Not Programmed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 2019</td>
<td>Dec 2019</td>
<td>4 Months</td>
</tr>
</tbody>
</table>

8/9/2019