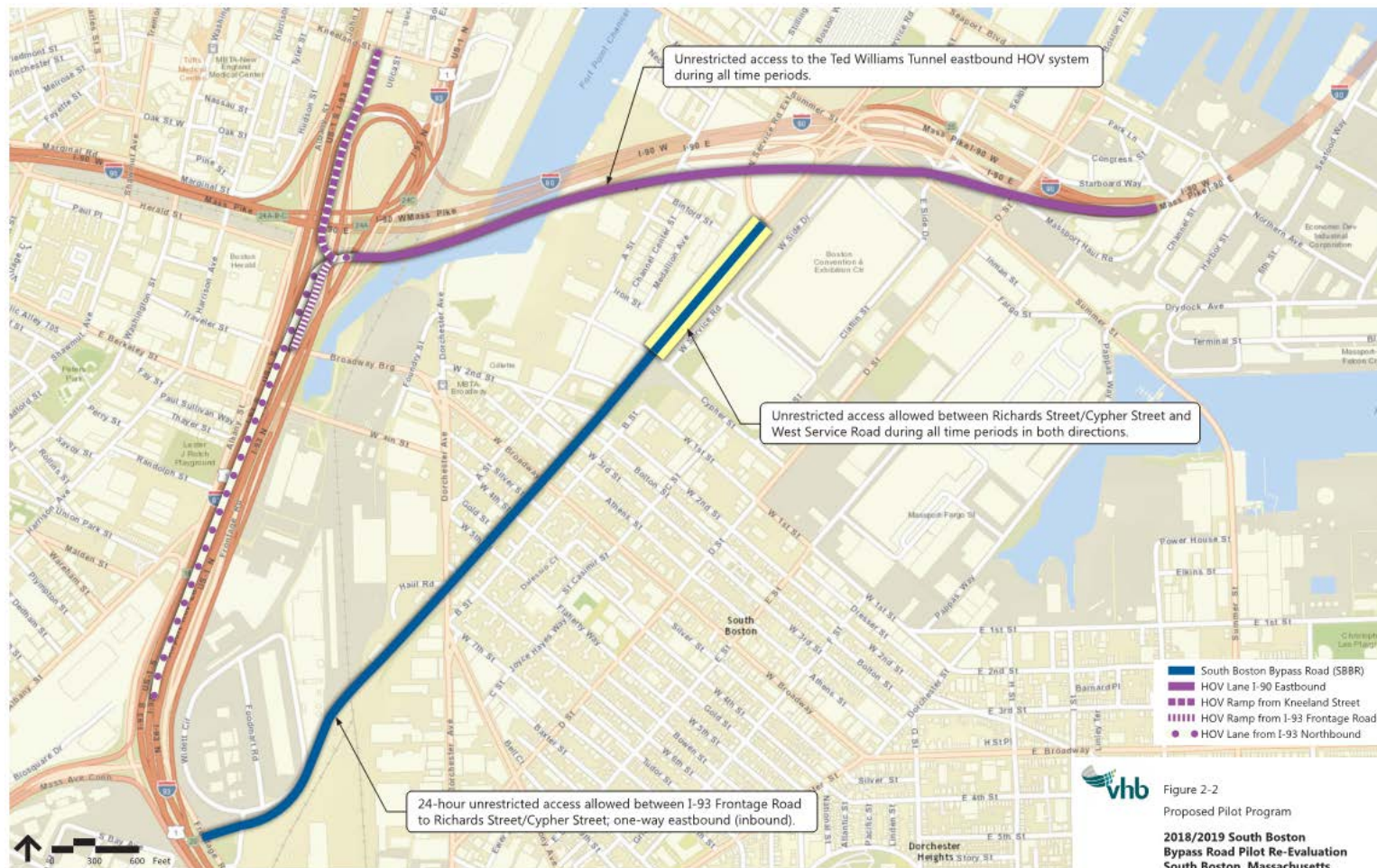


# Highway Administrator's Report

Jonathan L. Gulliver

October 15, 2018

# South Boston Bypass Road and HOV Pilot Re-Evaluation Program



vhb Figure 2-2  
Proposed Pilot Program  
2018/2019 South Boston Bypass Road Pilot Re-Evaluation  
South Boston, Massachusetts

- I-90 eastbound HOV - Unrestricted access to the Ted Williams Tunnel
- I-93 Frontage Road to Richards Street Eastbound – 24 Hour Unrestricted Access
- Richard Street/Cypher Street and West Service Road – 24 Hour Unrestricted Access
- Westbound (outbound) restriction remain at all times

# Monitoring Program



Monitoring Timeframe	Monitoring Program
Sept 23 – 30, 2018 (Pre-Pilot)	<b>Automatic Traffic Recorder Volumes (14 locations)</b> <ul style="list-style-type: none"> <li>7-day continuous</li> </ul>
Nov. 2018 (Pilot), Mar. / Apr. 2019 (Pilot), Jun. 2019 (Pilot), Nov. / Dec. 2019 (Post-Pilot)	<b>Turning Movement Counts (22 locations)</b> <ul style="list-style-type: none"> <li>Weekday 7 AM –10 AM</li> <li>Weekday 3 PM– 7 PM</li> </ul> <b>Automatic Traffic Recorder Volumes (29 locations)</b> <ul style="list-style-type: none"> <li>7-day continuous</li> </ul>
	<b>Travel Time Monitoring</b> <ul style="list-style-type: none"> <li>SBBR</li> <li>General Lanes</li> <li>HOV Lane</li> <li>Silver Line</li> </ul>
Twice during Pilot Program & Nov. / Dec. 2019 (Post-Pilot)	<b>Noise Monitoring (2 locations)</b> <ul style="list-style-type: none"> <li>31 West Fifth Street</li> <li>B Street at West Third Street (Flaherty Park)</li> </ul>
Continuous Monitoring (24/7)	<b>Volumes, Speed, Travel Time, O-D</b> <ul style="list-style-type: none"> <li>SBBR</li> </ul>

# Snow and Ice 2018-2019 Preparation



- This season all contracted materials spreaders will have GPS devices. Providing MassDOT with real time locations of equipment and enhanced analytics of plow route completion.
- The vendor agreement was posted and distributed to vendors on 8/31/18 (1 year agreement) we have received 90% of the documentation and inspections of equipment has begun.
- All materials contracts are in place, we have started to receive deliveries and forecast to be at 95% of capacity by 12/1/18. The salt prices for this season are on average 20% less than last season
- Employee and vendor training sessions have begun and are scheduled to be completed by the first week of December.

# Major Projects – North Shore

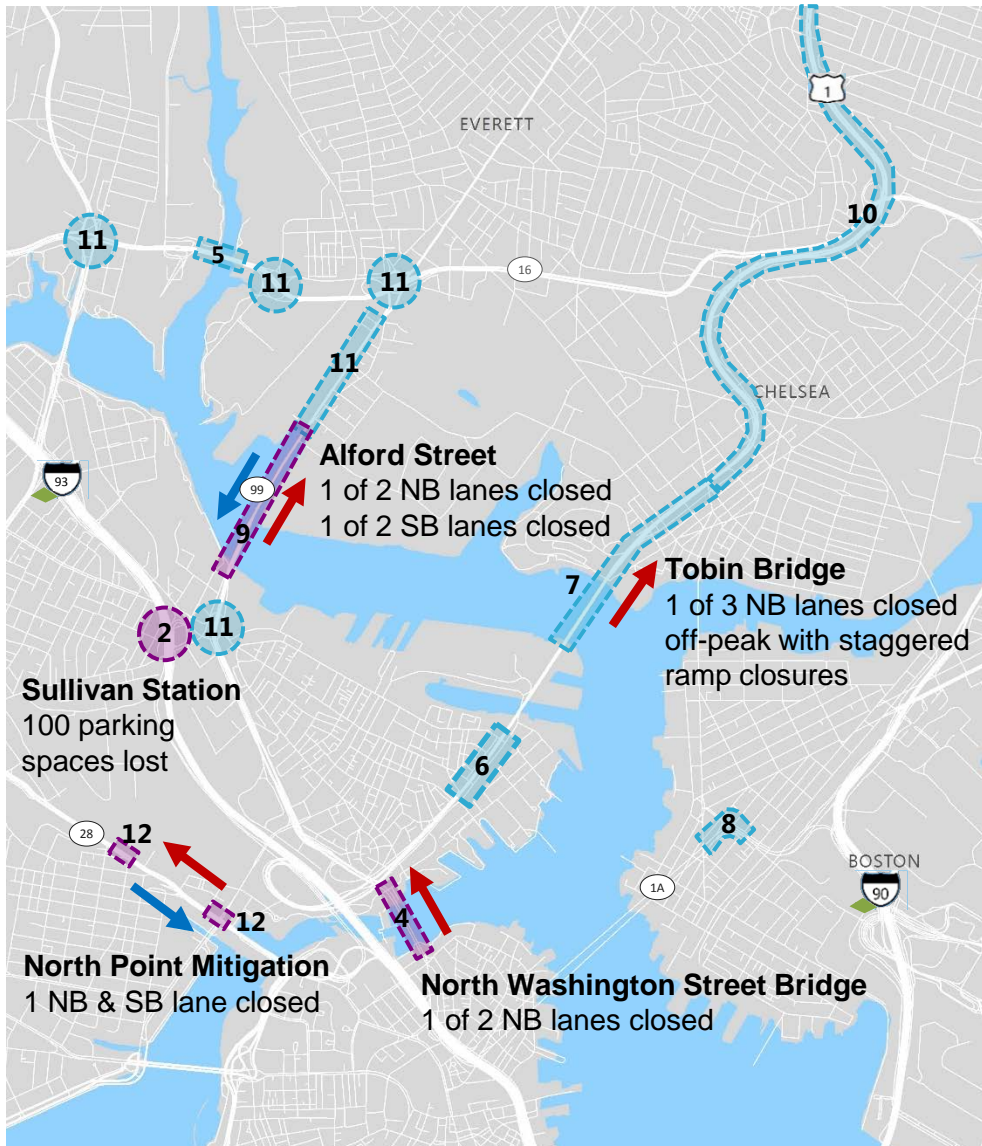


## Project Coordination

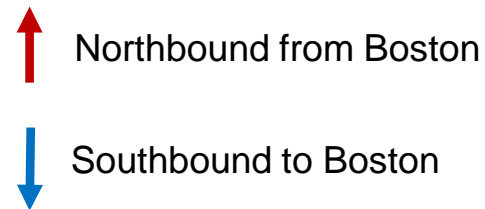
- Chelsea Viaduct deck work, although concurrent with the Tobin, will not provide conflicting travel patterns; lanes will be managed to have minimized impact on travelling public.
- Temporary bridge plans are being finalized with the City of Boston for North Washington bridge.
- MassDOT is working with stakeholders on updated communications plans.
- MassDOT will enhance coordination with MBTA to minimize service disruption and communicate with transit users.



# Regional Impacts



- Alford Street Bridge will impact the Charlestown Bus Yard
- Tobin Bridge Closures will have operational impacts to the MBTA Bus Route #111
- Additional MBTA Bus operational/routing impacts related to North Washington Street, Alford Street and North Point Mitigation



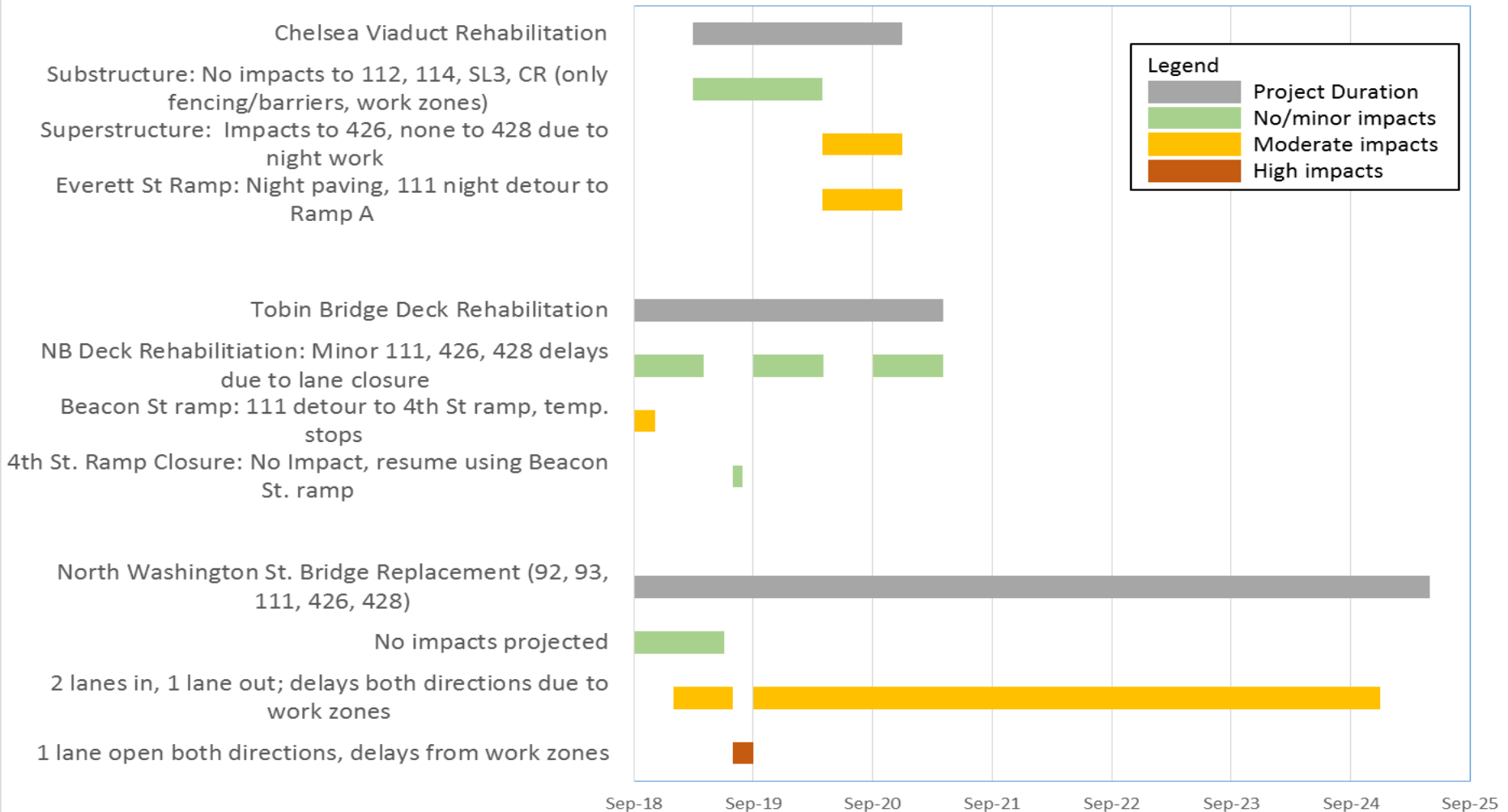
*Numbers refer to project descriptions on previous slide*

- Active Construction with Track/Lane Impacts - 24 hours
- Active Construction with Track/Lane Impacts - Off-Peak Hours Only

# Impacts to MBTA Bus Routes



Timeline and MBTA Impacts from Chelsea Viaduct, Tobin Bridge, and North Washington St. Bridge Construction Projects (Estimated 9/14/2018)



# Alford Street Bridge Deck Repair

## ▪ Project Scope

- Replacement of riveted grid deck panels with welded grid deck panels

## ▪ Contract

- \$15 million
- Contractor: SPS New England
- City of Boston design plans and specifications

## ▪ Timeline

- October 1, 2018 through April 30, 2019
- Working 24 hours a day 7 days a week

## ▪ Impacts

- Reduced to one lane in each direction





# Tobin Bridge Deck Repairs

## ■ Project Scope

- Concrete deck and substructure steel repairs for upper and lower deck of Tobin Chelsea Approach Spans
- Repair and resurfacing of Beacon Street, Everett Avenue, and 4th Street Ramps
- Repairs to fire protection system

## ■ Contract

- \$42M project, Contractor: JF White
- Anticipated construction timetable: Spring 2018 through end of 2020
- Single lane reduction on lower deck from April through November, each year, beginning in 2019



# Tobin Bridge – Lane Closure



- 2018 - Lower Deck US 1 NB
  - Everett Avenue On-Ramp – Completed in June 2018
  - Beacon Street Off-Ramp Closure - August 27, 2018 to end of October 2018
  - Lower Deck Temporary off-peak single lane closures 6:00AM to 2:00PM.
- 2019 - Lower Deck US 1 NB
  - Right lane closure from April 1st to August 14th
  - 4th Street Off-Ramp closure - Summer 2019
  - Middle lane closure from August 15th to November 30th.
- 2020 - Lower Deck US 1 NB
  - Middle lane closure from April 1st to June 27th
  - Left lane closure from June 28th to November 30th
- 2018 thru 2020 - Upper Deck US 1 SB
  - Temporary off-peak Single Lane closures 11:30AM to 5:00AM
  - Off peak Night 2 lanes Closure 11:00PM to 5:00AM



# North Washington Street Bridge

## ■ Project Scope

- Full replacement of structurally deficient bridge
- Improved multi-modal structure providing enhanced mobility for all road users
- Dedicated Bus Lane in to Boston

## ■ Contract

- \$176M project, Contractor: JF White
- Anticipated construction timetable: Fall 2018 through late 2023
- Current configuration on existing bridge - 2 lanes in 2 lane out
- Lanes will be reduced to 2 lanes in and 1 lane out throughout construction



# Chelsea Viaduct – Route 1



- Advertised in July 2018
- Low bid came in at \$169M from Skanska McCourt
- NTP expected in January 2019
- Scope:
  - Substructure repair and retrofit
  - Superstructure replacement with prefabricated bridge units and isolated superstructure repair
- Schedule:
  - Winter 2019 – Spring 2020: Substructure work
  - Spring 2020 – Fall 2020: Superstructure work