Partnersing with Municipalities to make Bus Transit Faster and More Reliable Across the Greater Boston Region

Wes Edwards
MBTA Senior Director of Operations Planning and Outreach
Bus Transit Priority Corridor Projects

Arlington: Mass Ave (Oct 9 – Nov 9)
- From Lake St. to Alewife Brook Parkway
- One month morning only inbound bus lane
- One month queue jump
- TSP implementation at four intersections
- Bus stop adjustments

Partners: Arlington, Cambridge, DCR, MBTA, Barr Foundation
Bus Transit Priority Corridor Projects

**Cambridge/Watertown: Mt Auburn St**
- From Ralph Piteri Terrace to Coolidge Ave
- Dedicated all-day bus lanes
- Inbound signalized queue jump lane
- Retimed signals and TSP implementation
- Bus stop adjustments

**Partners:** Cambridge, Watertown, DCR, MBTA, Barr Foundation

*Inbound to Cambridge: Ralphi Piteri to Coolidge Ave*
Bus Transit Priority Corridor Projects

Cambridge: North Mass Ave (Parking Day – Sept 21)
- Piloted 3 one-day only bus lanes
- Completed as proof of concept
- Proposed by high school students as part of National Parking Day

**Partners:** Cambridge, MBTA, Cambridge Rindge and Latin Students

Inbound AM: Rindge to Walden

Outbound PM: Rindge to Walden

Outbound PM: Lesley U to Porter
Bus Transit Priority Corridor Projects

Cambridge: South Mass Ave (Early November)

- Inbound from Sidney St. to Memorial Drive
- Dedicated all-day bus lanes
- Reviewing TSP Opportunities
- Bus stop adjustments
- Includes bike and ped safety improvements

Partners: Cambridge, MBTA

Inbound to Boston: Sidney St. to Memorial Drive
Bus Transit Priority Corridor Projects

Boston: Washington St. in Roslindale (Summer 2018)
- Inbound from Cummins Hwy to Ukraine Way
- Morning only bus/bike lanes (5-9 AM)

Partners: Boston, MBTA
Bus Transit Priority Corridor Projects

Everett: Broadway (Bus Lanes Expanded 2018)
- Outbound from Sweetser Circle to Gledhill Ave
- Adding Inbound sections in 2018
- Morning only bus/bike lanes (5-9 AM)
- Testing level boarding

Partners: Everett, MBTA, Barr Foundation

Inbound to Boston: Cummins Hwy to Ukraine Way
Toolbox to Improve Bus Speed and Reliability

**Bus Operations tools**
- Stop Relocation
- Stop Consolidation
- Route Design

**Infrastructure tools**
- Turn Radius Improvements
- Bus Bulbs
- Roadway Channelization/Signage

**Traffic Control tools**
- Transit Signal Priority
- Lane Restriction/Exemption
- Queue Jumps

**Transit Lane tools**
- Curbside bus lane
- Queue bypass (short bus lane)
- Center bus lane

NACTO Transit Street Design Guide
Building our own Bus Speed and Reliability Toolkit

MBTA’s Bus Transit Speed and Reliability Toolkit
- Toolkit for municipalities & agencies to identify problems, solutions, and base design standards
- Design standards will maintain or improve MBTA bus speed and reliability
- Toolkit development with municipalities beginning late 2018/early 2019
- Toolkit outreach campaign to public works and planning staff in 2019/2020
- Barr Foundation funded project

Problem Identification
- Congested roadway
- Right turn delay
- Delay leaving stop

Solutions
- Bus lane
- Signal phase modification
- Turn radius improvements

Design Standards
- Bus lane standards
- Bus turning needs
- Bus stop lengths