Cambridge Transit Strategic Plan (Interim 2014)

- 71 Bus fails the MBTA's "Vehicle Load Standard" (excessive crowding at peak).
- Goal 3: Make transit travel times equal to or quicker than driving travel times.
- Calls for bus-priority pilot projects and signal progression.









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Member FDIC Member DIF





Residents still waiting on MBTA improvements

Monday

Posted Nov 24, 2014 at 11:14 AM Updated Nov 24, 2014 at 11:14 AM By Charlie Breitrosewatertown@wickedlocal.com

The Town Council wants some answers about when Watertown will receive some relief for its transportation woes, and it got some details, but no clear timeline.

Share







In the spring, an effort led by concerned citizens and joined by town officials came to a summit in May when they were able to make their concerns clear to the MBTA during a visit by T General Manager Beverly Scott.

The main focus was the crowding and lateness of buses on the 71 and 73 lines heading to and from Harvard Square. MBTA officials returned to town in August where they head concerns about the 70/70A line that serves the Arsenal Street corridor - an area where a

Concerned about your child's mood or behavior? Wayside can help.



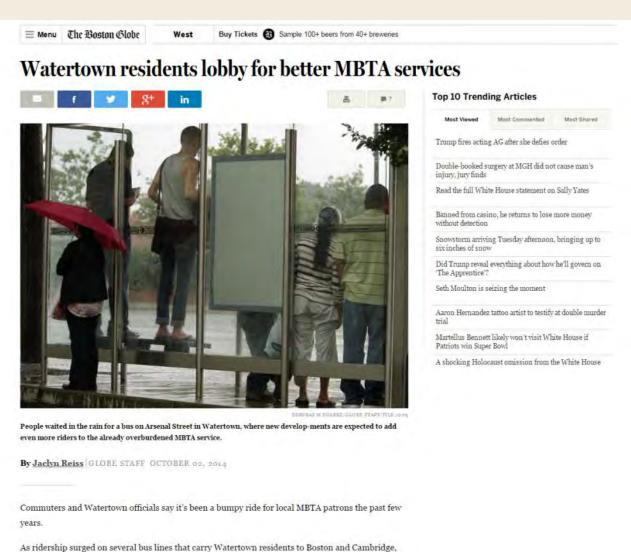




"The main focus was the crowding and lateness of buses on the 71 and 73 lines heading to and from Harvard Square... they have not heard anything further from the T about how the town's public transportation will be improved. Councilor Aaron Dushku raised the issue and asked whether to try to arrange another meeting with the MBTA."







chronic overcrowding and spotty scheduling have pervaded the system, according to customers of





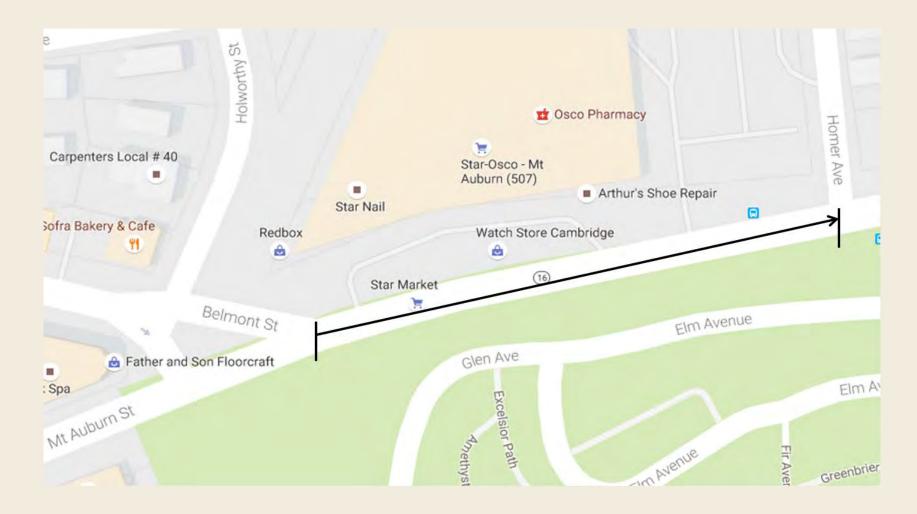
According to Town Councilor Angeline Kounelis, the task force has received inquiries from people who were considering moving to Watertown but hesitated after hearing reports on how badly the transportation service has slumped.

"What is most concerning to me is the implication that Watertown can be a less-than-desirable location to reside because of the T's lack of quality service," said Kounelis.





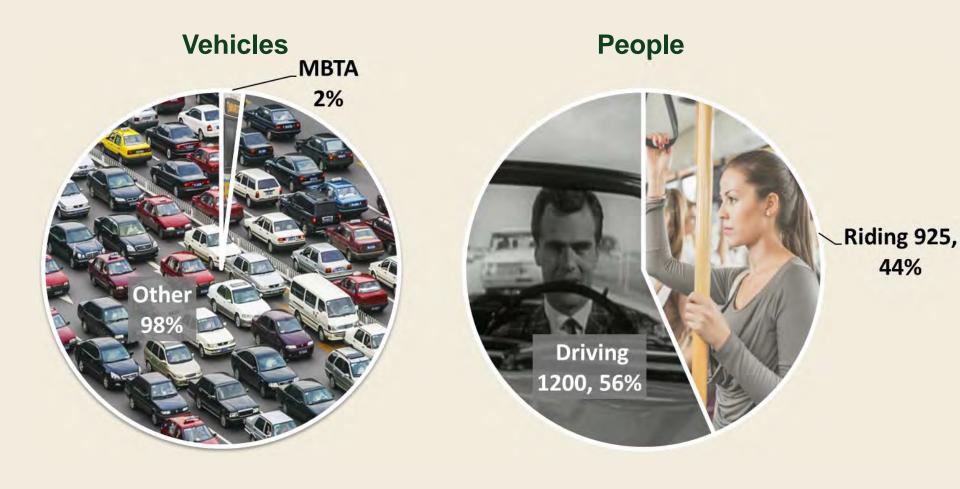
Belmont St. to Homer Ave. (AM Peak)





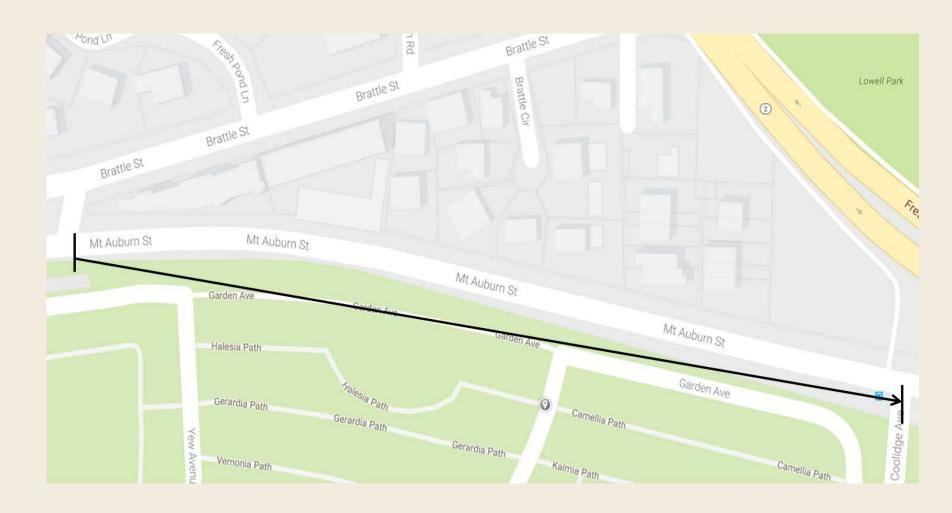


Belmont St. to Homer Ave. (AM Peak)





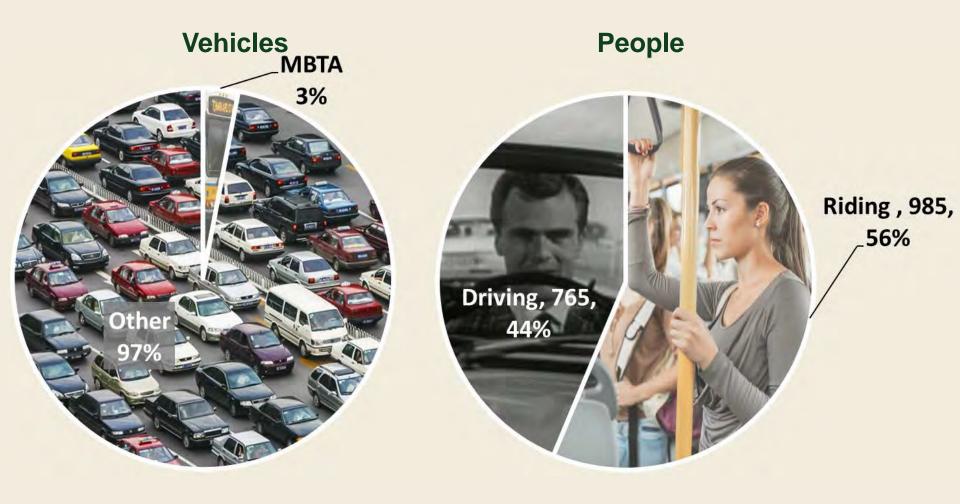
Brattle St. to Coolidge Ave. (AM Peak)



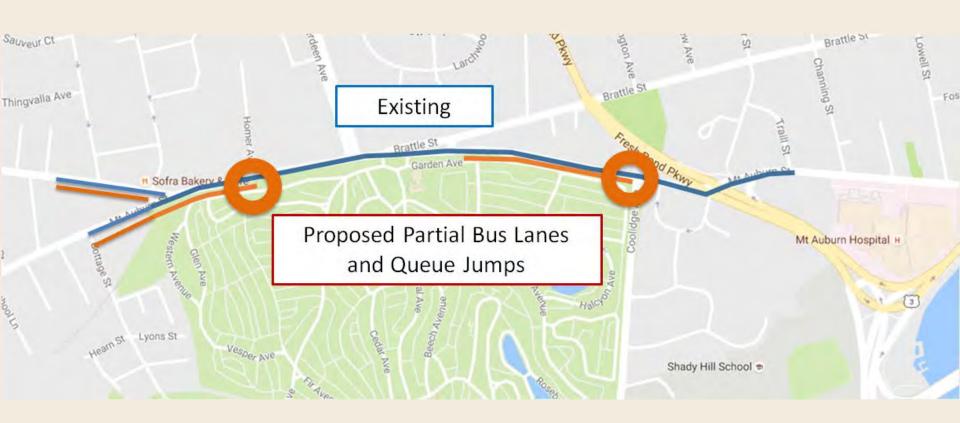




Brattle St. to Coolidge Ave. (AM Peak)



Proposed Bus Lanes





Proposed Bus Lanes on Belmont St.



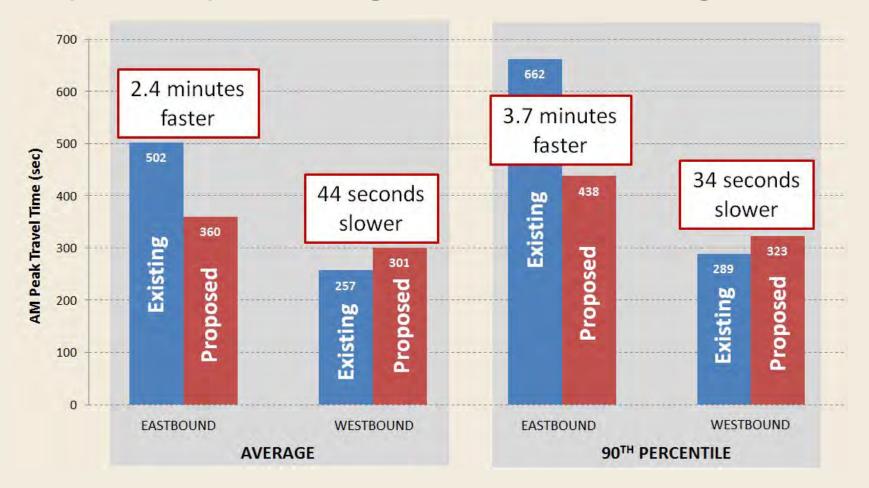
Proposed Bus Lane between Brattle St. and Coolidge Ave.







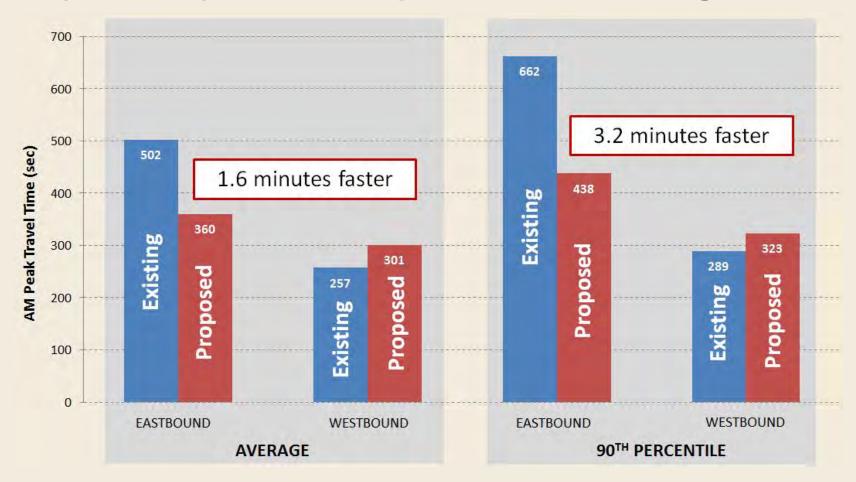
Bus (AM Peak) – Passenger Travel Time Savings







Bus (AM Peak) – Round Trip Travel Time Savings







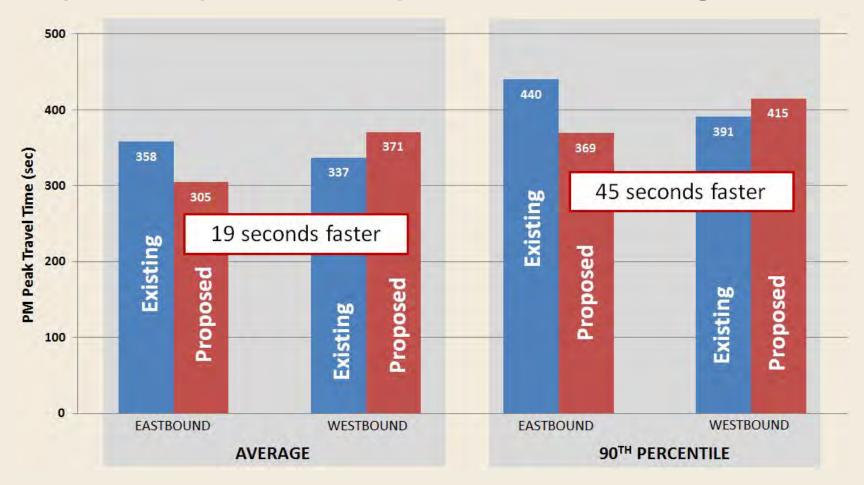
Bus (PM Peak) – Passenger Travel Time Savings







Bus (PM Peak) – Round Trip Travel Time Savings





Transit Improvements: Benefits for Passengers

- Faster
- More reliable
- Potential for 9 percent increase in frequency
- Less "bunching"
- Less crowding







Transit Improvements: Benefits for Car Commuters

- Estimated 5-8 percent increase in bus ridership possible
- Fewer cars on the road





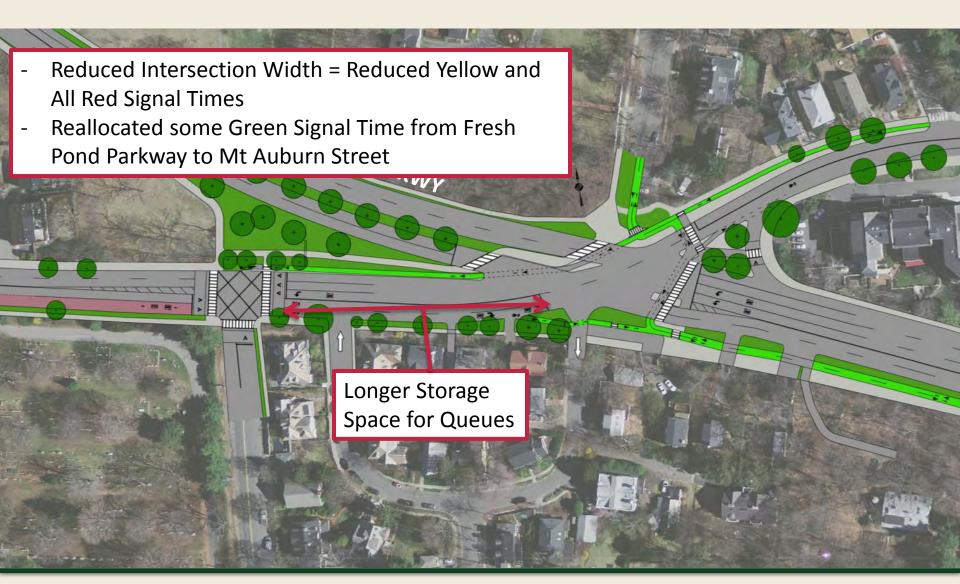


Key Points We Heard

- Strong support for separated bike lanes on entire Mt. Auburn Corridor.
- Strong support for transit lanes on Mt. Auburn.
- Support for keeping motorist delay at a minimum.
- Strong support for removing the Brattle merge.
- Suggestion for a pedestrian actuated crossing signal at Larch Road.
- Support and Non-support of use of raised tables at signalized intersections.
- Concern about safe access to the U-Turn off Greenough Blvd.
- Concern about pedestrian crossing of Fresh Pond Parkway
- Support for bike lanes on Eliot Bridge

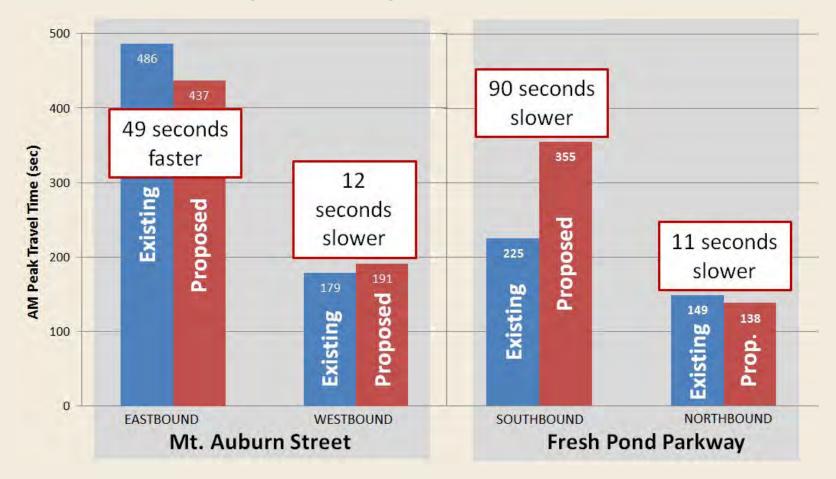


Mt Auburn EB Travel Time Savings





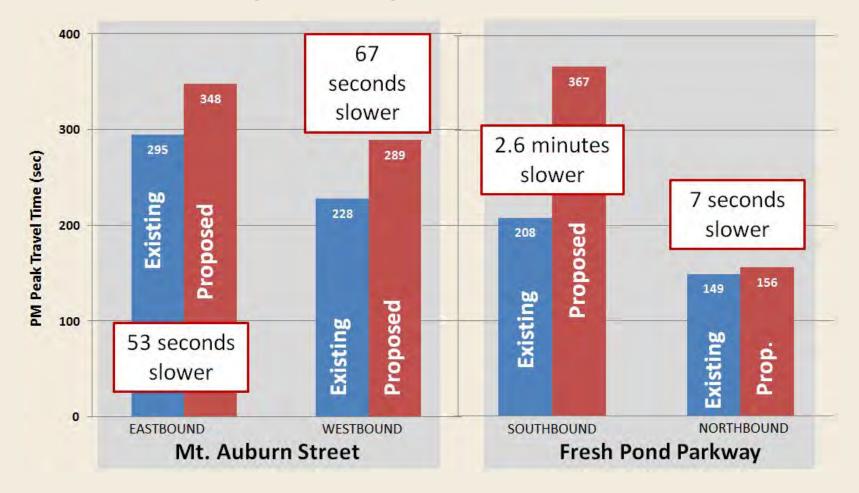
Auto Travel Time (AM Peak)







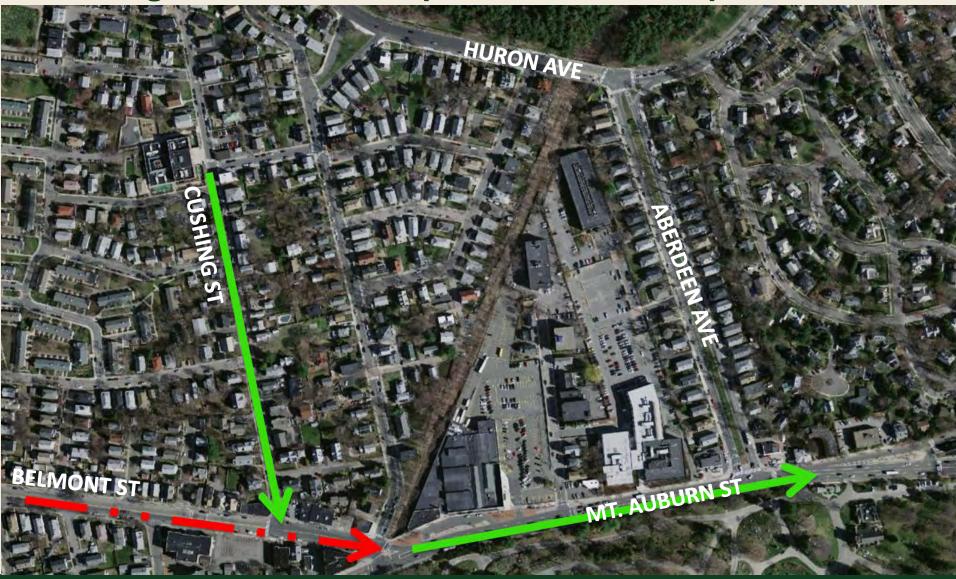
Auto Travel Time (PM Peak)







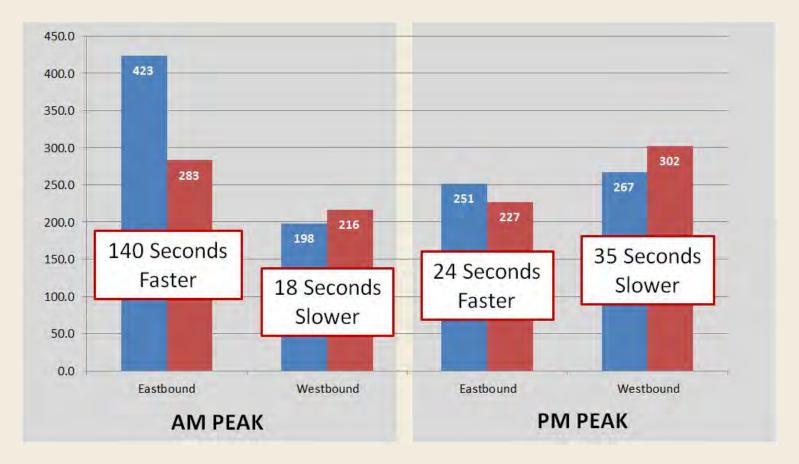
Cushing St Concerns - Option 1 - Find a Gap .5 Mile



VISSIM Animations

Long Term Concept: Mt Auburn Street

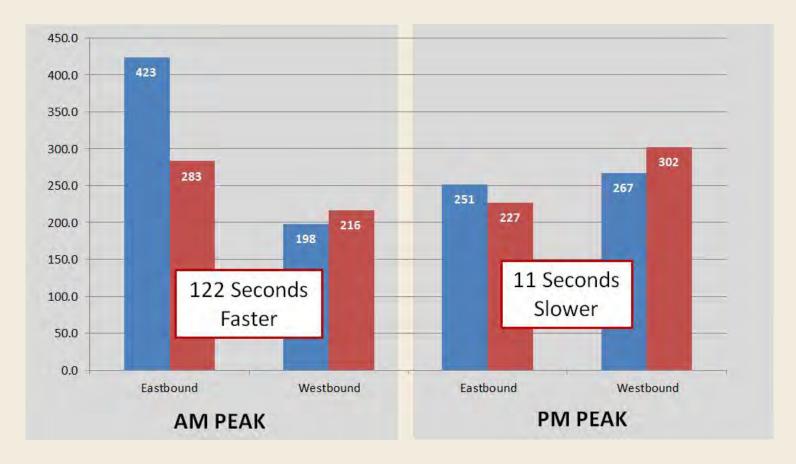
Average Person Delay On Mt Auburn Street (without ridership increase)







Average Person Delay On Mt Auburn Street (without ridership increase)





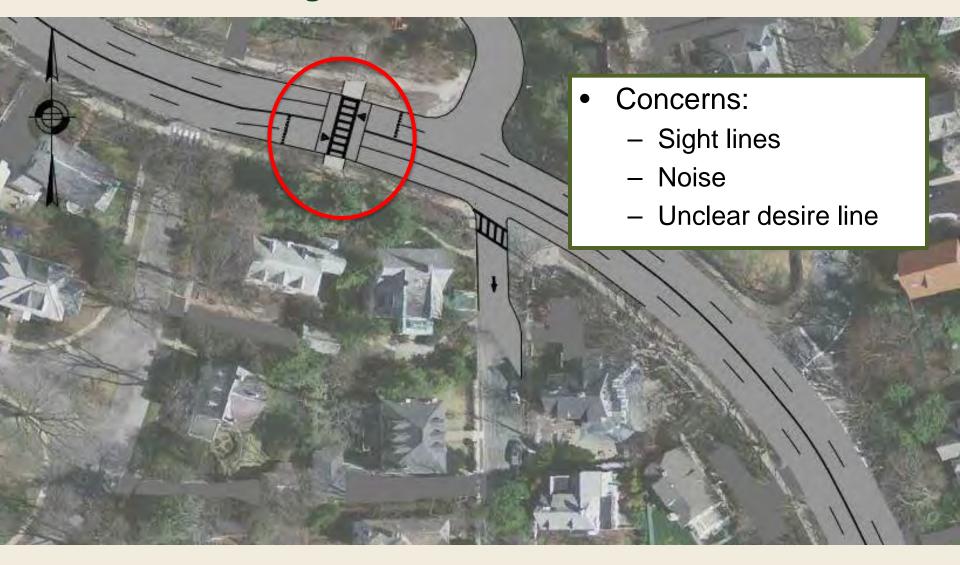


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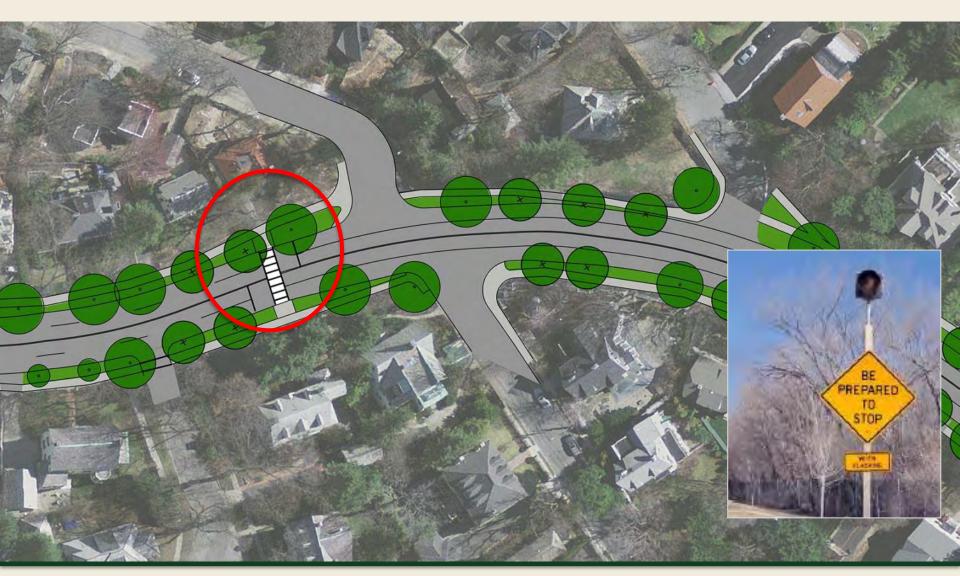


Midblock Crossing at Larch Road – Old Version



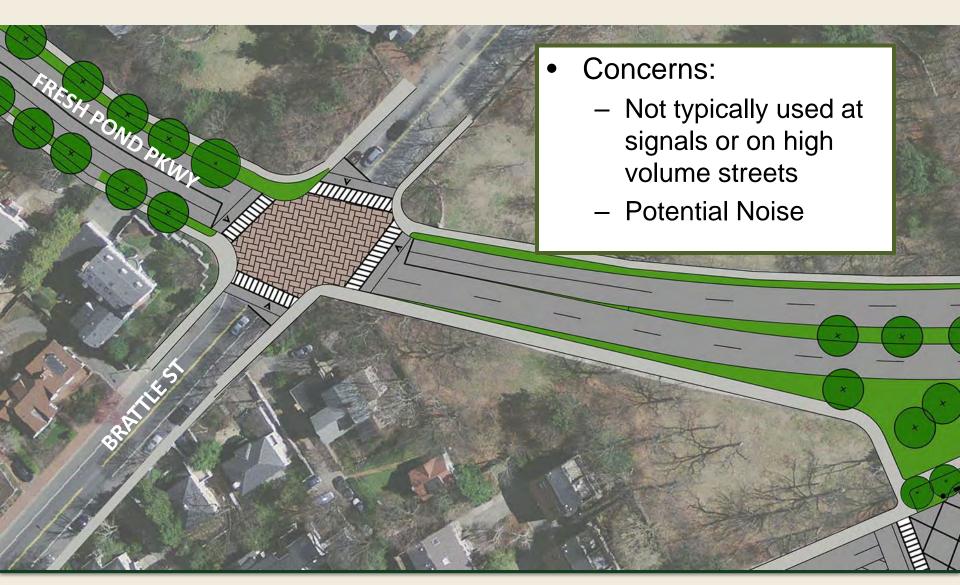


New Solution: Signalized Crosswalk





Raised Crossing Debate – To Be Continued





Police Enforcement Opportunity – Long Term





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Old Turnaround Solution







New Turnaround Solution





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Stop Bar Distances – Existing





Stop Bar Distances – Proposed



Crossing Distances – Existing





Crossing Distances — Long-Term Option





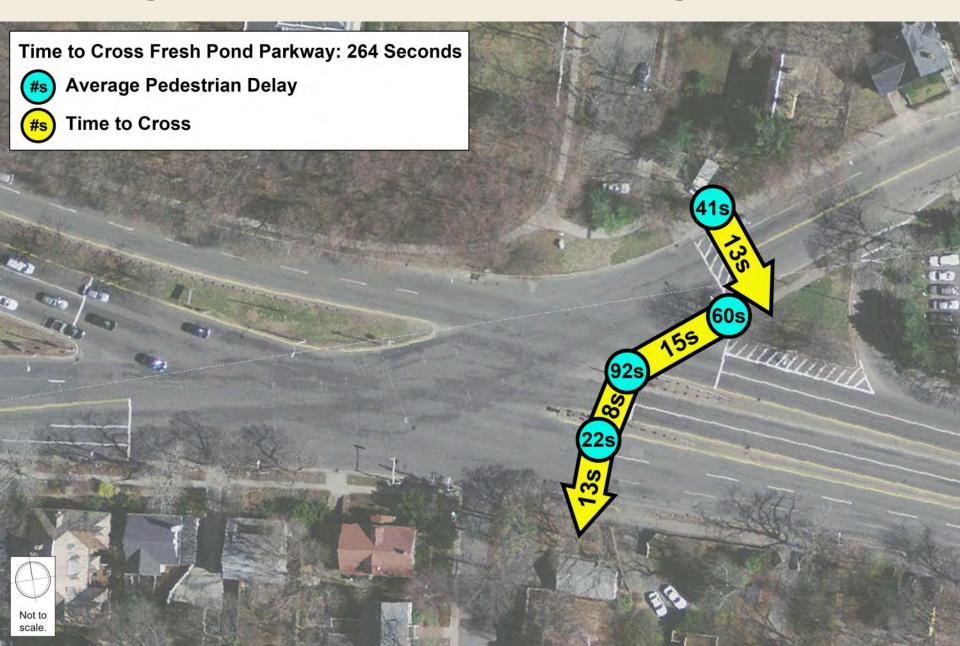
Existing – Eastbound Pedestrian Crossing



Proposed – Eastbound Pedestrian Crossing



Existing – Westbound Pedestrian Crossing



Proposed – Westbound Pedestrian Crossing



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Bike Lanes on Eliot Bridge (Next Phase of Design)







Analysis Changes





Old "Down by the River"





New "Down by the River"





VISSIM Animations

 Long Term Concept: Gerry's Landing – Memorial Dr. – Eliot Bridge – Greenough Blvd





Did We Achieve the Goals?





- 1. Calm traffic, provide clarity, reduce crashes and severity of crashes
 - Narrowed Traffic Lanes
 - 3 Raised Intersections
 - Less Pavement in intersections
 - Overhead Signals and Signage
 - Elimination of Brattle Merge
 - Protected Bike Lanes in some places
 - Protected Bike Turning Movement at Brattle Street
 - Shorter Pedestrian Crossings
 - Two new Signal Protected Pedestrian Crossings
 - Plenty of time to cross the street



Improve connectivity, air quality and expand mobility choices by:



a. Measuring people, not cars



b. Reducing transit delays



safety, access, parking and comfort for bicycles.



d. Maintaining mobility for motor vehicles



e. Improving safety, attractiveness, noise, and comfort for pedestrians and residents



- Address cut-through traffic in the Larchwood, Huron Village, and Coolidge Hill Neighborhoods
 - Explore speed humps in the Larchwood Neighborhood and others that need to resolve existing cut-through problems
 - No new cut-throughs encouraged





- 4. Offer short-term and long-term solutions
 - Short Term Option at Mt. Auburn and Fresh Pond can achieve all of the traffic and bus benefits, and only some of the bike and pedestrian benefits, but can be implemented within 1-2 years with funding.



- 5. Acknowledge enforcement and special uses by BB&N, Mt. Auburn Cemetery, Mt. Auburn Hospital, Shady Hill School, and Tufts Health Plan
 - Improved clarity at BB&N for bus parking and parking lot access.
 - Improved crossings for students.
 - Improved visibility at Mt. Auburn Cemetery Entrance/Exit
 - Mt. Auburn Hospital Access maintained
 - New Raised Crossing at Coolidge Road for Shady Hill Students
 - Widened Sidewalk from that crossing to FPP and Brattle Intersection
 - Possible access to Bus Lane for Tufts Parking Shuttles? TBD...

Equity

Design for everyone's needs, including the disadvantaged

Flexibility

- Designs responsive to:
 - Peak and off-peak
 - School pick up and drop off
 - Funeral processions
 - Emergency vehicle access

Balance

Try to balance goals that may conflict





Other Benefits

- 4.5 acres of new park land
- Traffic Calming
- Road Diets
- Better Ped/Bike Connections to the River





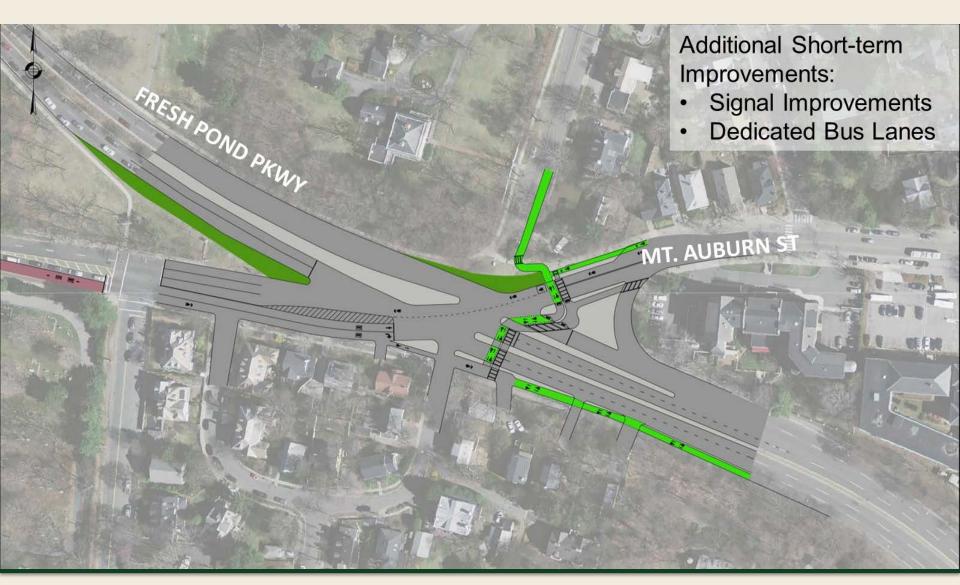


Next Steps





Potential Short-Term Concept



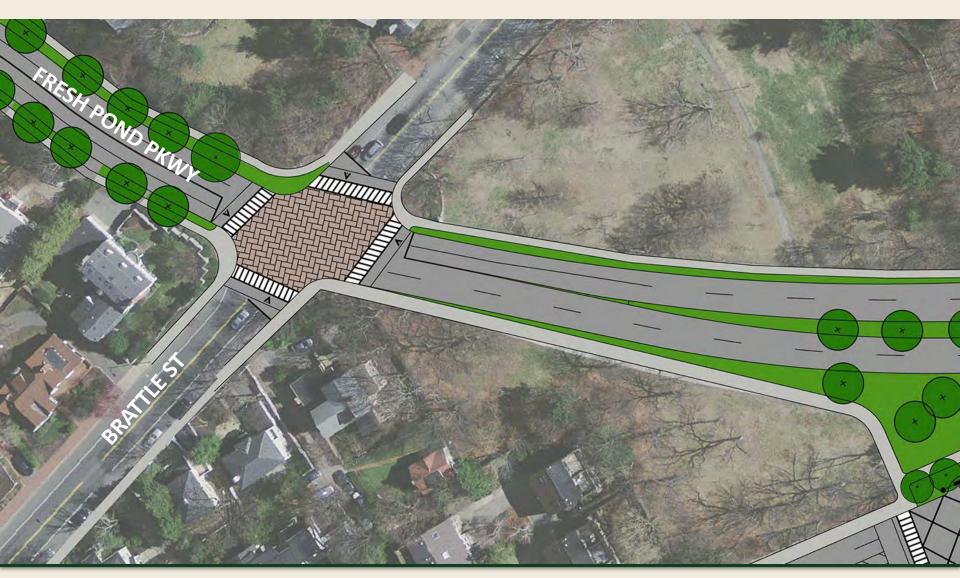


Potential Long-Term Phase I – DCR/Cambridge/Watertown





Potential Long-Term Phase II – DCR





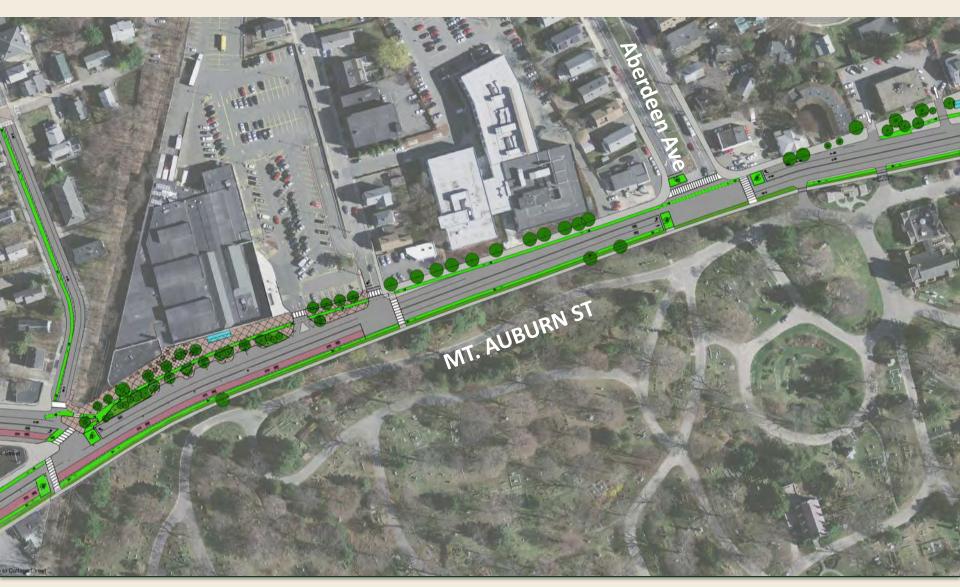


Potential Long-Term Phase III – DCR





City of Cambridge Right-of-Way



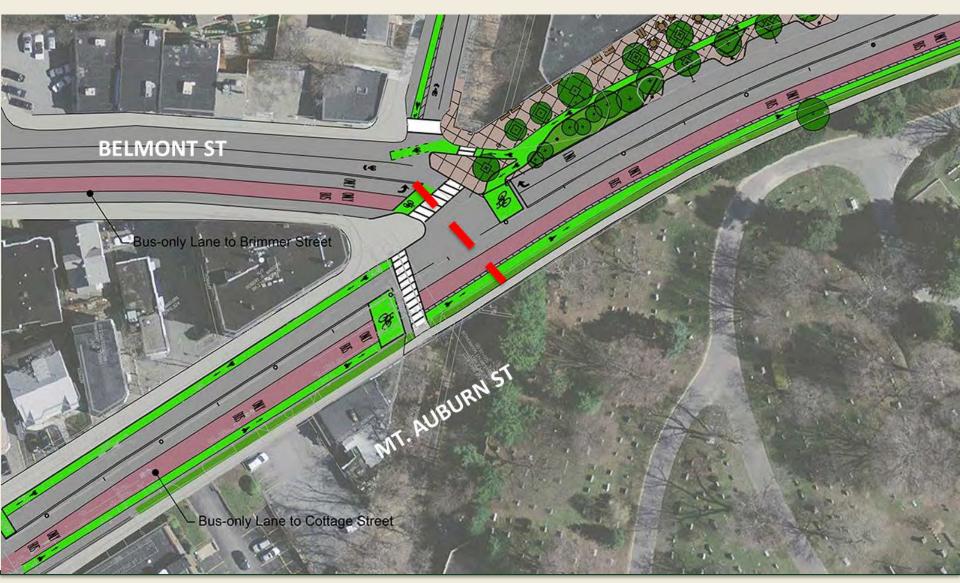


City of Cambridge Right-of-Way





City of Watertown Right-of-Way (Approximate)





Next Steps:

- Final Report: March
- Next Meeting: Discuss Short-Term Options
 - Short Term Design of Fresh Pond Parkway and Mount Auburn intersection
 - Mount Auburn Street bus lanes





For More Information:

- Project Website: www.mass.gov/dcr/mt-auburn-corridor-study
- If you have comments on this project:
 - Submit online at: http://www.mass.gov/eea/agencies/dcr/public- outreach/submit-public-comments/
 - Write: Department of Conservation and Recreation, Office of Public Outreach, 251 Causeway Street, Suite 600, Boston, MA 02114
 - Comment Period (pertaining to this meeting): January 31 – February 17, 2016
 - Note: Public comments submitted to DCR may be posted on the DCR website in their entirety.
- If you have questions, please email: MaryCatherine.McLean@massmail.state.ma.us



