



New Bike Lanes on High Street

5th Annual Waltham Bicycle Update

May 15, 2018 7:00 – 8:00pm

Government Center Auditorium
City of Waltham – Planning Department



Agenda 7:00 - 8:00pm



- Welcome & Happy BSBW!
- Bicycle-Friendly Waltham
- Accomplishments to Date
- 2017 Update + 2018 Forecast
- Q&A

Bicyclist Waiting for Signal at Prospect Street and Charles Street

Bicycle-Friendly Waltham



- Great Location, Compact Land Uses & a Few Good Hills
- Economically Vibrant Downtown & 128/I95 Innovation Hub
- (2) Commuter Rail Stations with Local /Express Bus Routes
- (2) Major Universities
- *Waltham Wayside Trail in Design*
- November 2017 Dockless BikeShare Pilot
- Strong Waltham Bicycle Culture/Resources
 - Frank's Spoke N Wheel
 - Watch City Bike Lab
 - Waltham Bicycle Committee

Accomplished Since 2013

Infrastructure:

- ❑ Installed 1st Bicycle Lanes in Waltham (2014)
- ❑ Increased On-Road Facilities: .24 mi. (2013) to 15.35 mi. (2017)
- ❑ Increased Off-Road Facilities: 3.46 mi. (2013) to 3.61 mi. (2016)

Policy & Transportation Planning:

- ❑ 2014 Traffic Commission Complete Street Policy
- ❑ 2015 Traffic Commission Bicycle Parking (APBP style)
- ❑ 2015 – 2017 Multi-Modal Transportation Plan
- ❑ Waltham's Segment of Wayside Rail Trail Design/Engineering Services Bid – on ground survey completed (2017)

Accomplished Since 2013

Complete Street Safety:


- ❑ Waltham Police Modified Crash Form to include helmet usage as safety equipment
- ❑ Continue Inter-Departmental Collaborations Especially with Police + Traffic Engineering + Consolidated Public Works on Complete Street Safety
- ❑ Best Practice SOP Review of Line Painting on Maintenance Projects (CPW & Traffic Engineering)

Bicycle Friendly Recognition (League of American Bicyclists)

- ❑ City of Waltham - *Honorable Mention* as a Bicycle Friendly Community (2017, 2016, 2015)
- ❑ Bentley University – Designated as a *Bicycle Friendly University Bronze* (one of only 5 in MA)

2017 Update & 2017 Forecast

- ❑ 2017 Bicycle Update (April 23, 2018 Map)
- ❑ Data Trends & Takeaways
- ❑ Wayside Trail Update
- ❑ MAPC Dockless Bike Update
- ❑ MassDOT Bicycle Plan Update



Bicyclist waiting for signal at Prospect Hill Road and Main Street

2010 - 2016 Bicycle Facilities and Bicycle Crash Data City of Waltham

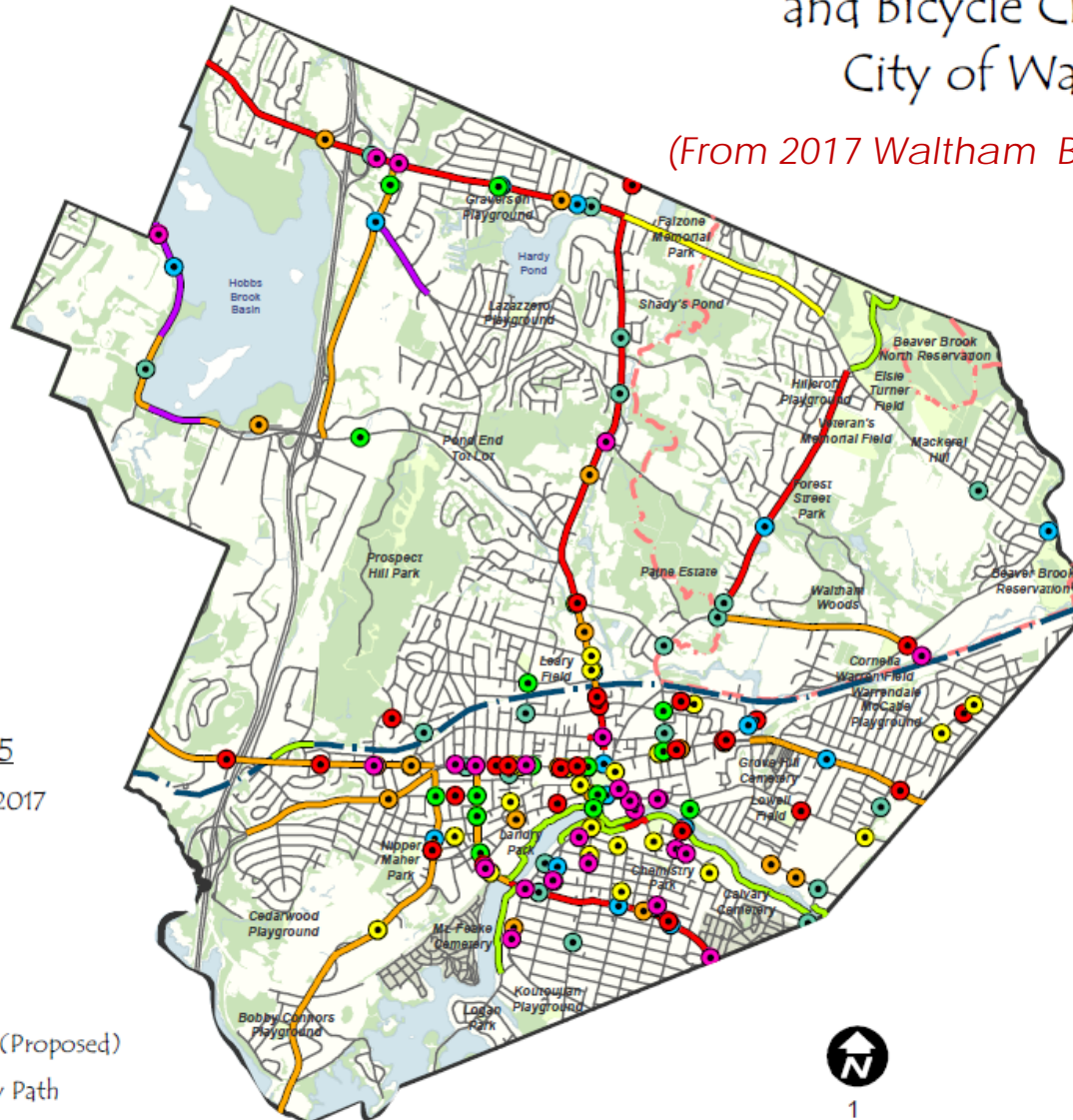
(From 2017 Waltham Bicycle Update)

Bicycle Crashes

- 2010 (19)
- 2011 (26)
- 2012 (23)
- 2013 (24)
- 2014 (27)
- 2015 (27)
- 2016 (25)

Bicycle Facilities 2015

- Proposed Facility 2017
- Bicycle Lanes
- Sharrows/Signage
- Shoulder/Signage
- Shared Use
- Wayside Rail Trail (Proposed)
- Western Greenway Path



Bicycle Crash Locations 2017

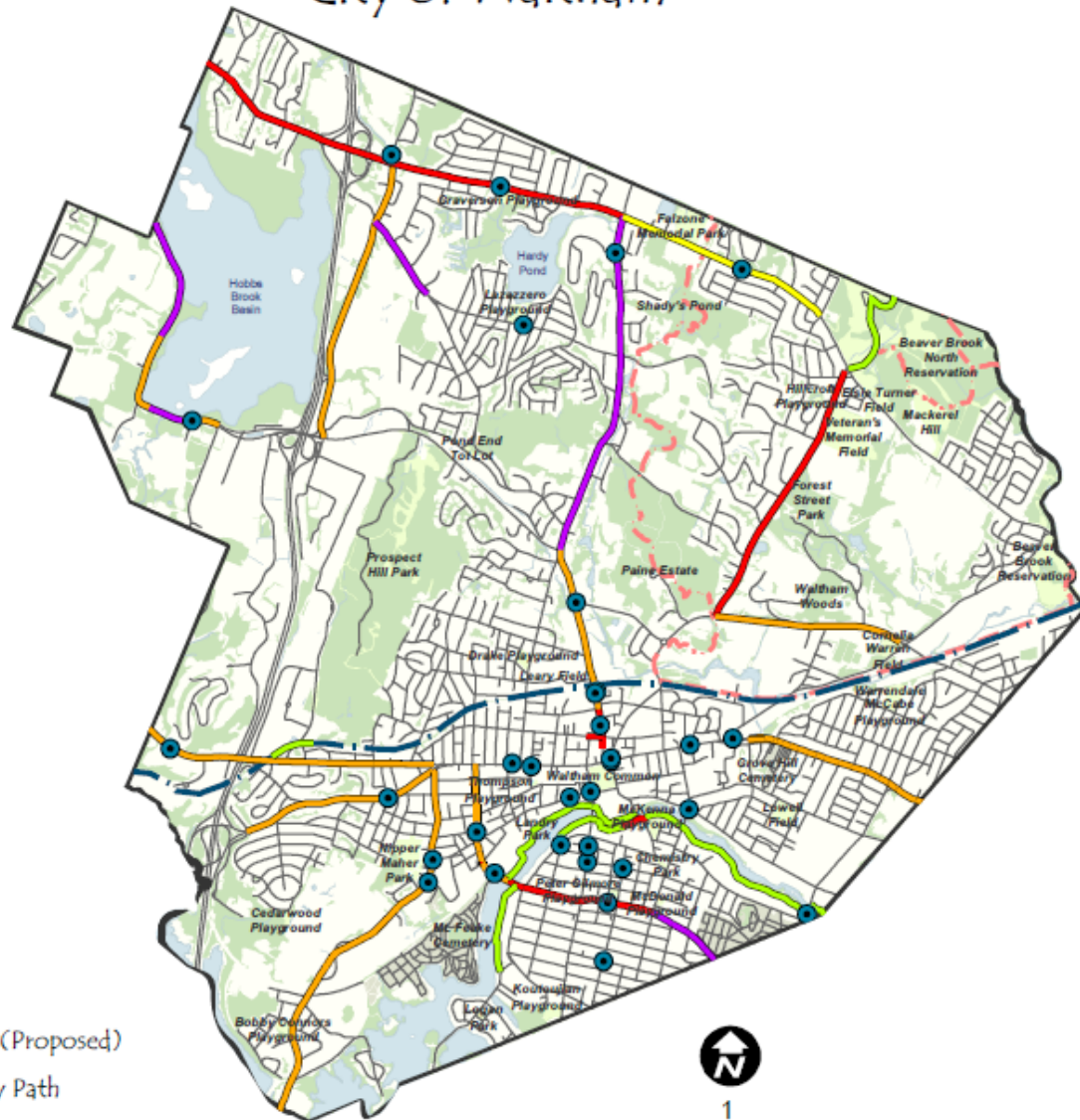
City of Waltham

Bicycle Crashes

- 2017 (32)

Bicycle Facilities

- Proposed Facility
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1

Miles

City of Waltham GIS - April 23, 2018

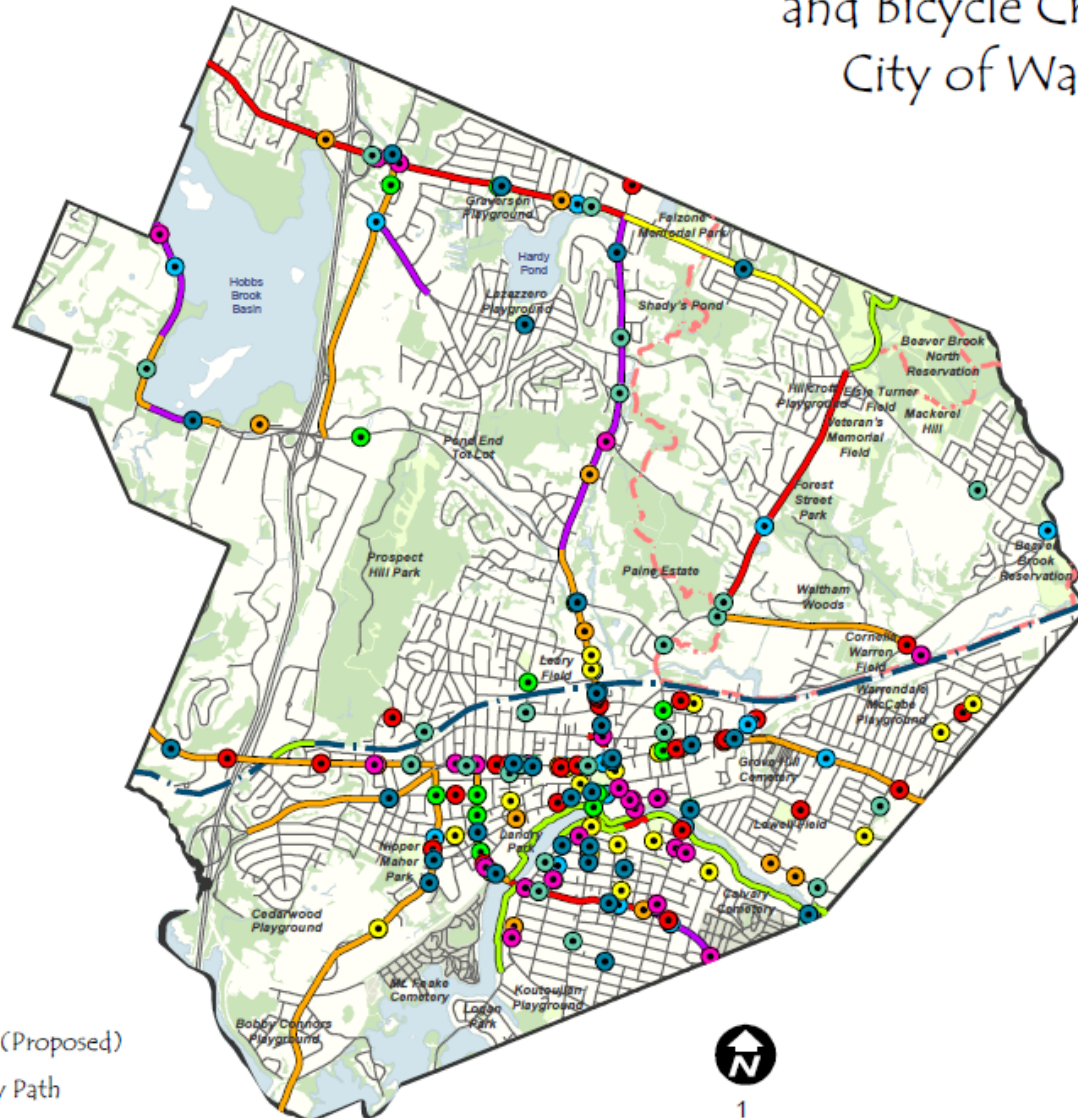
Bicycle Facilities and Bicycle Crash Data City of Waltham

Bicycle Crashes

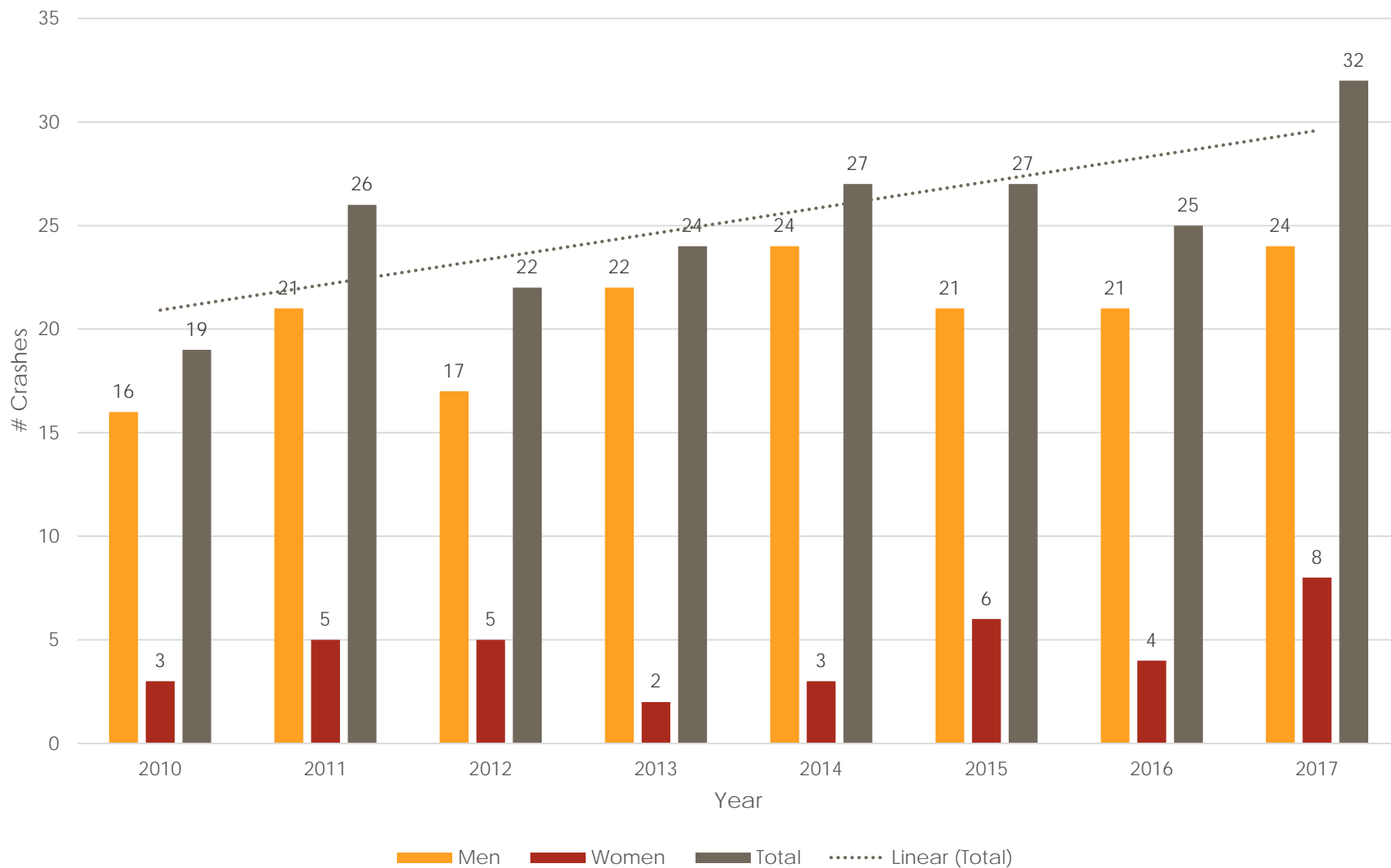
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- 2017 (32)

Bicycle Facilities

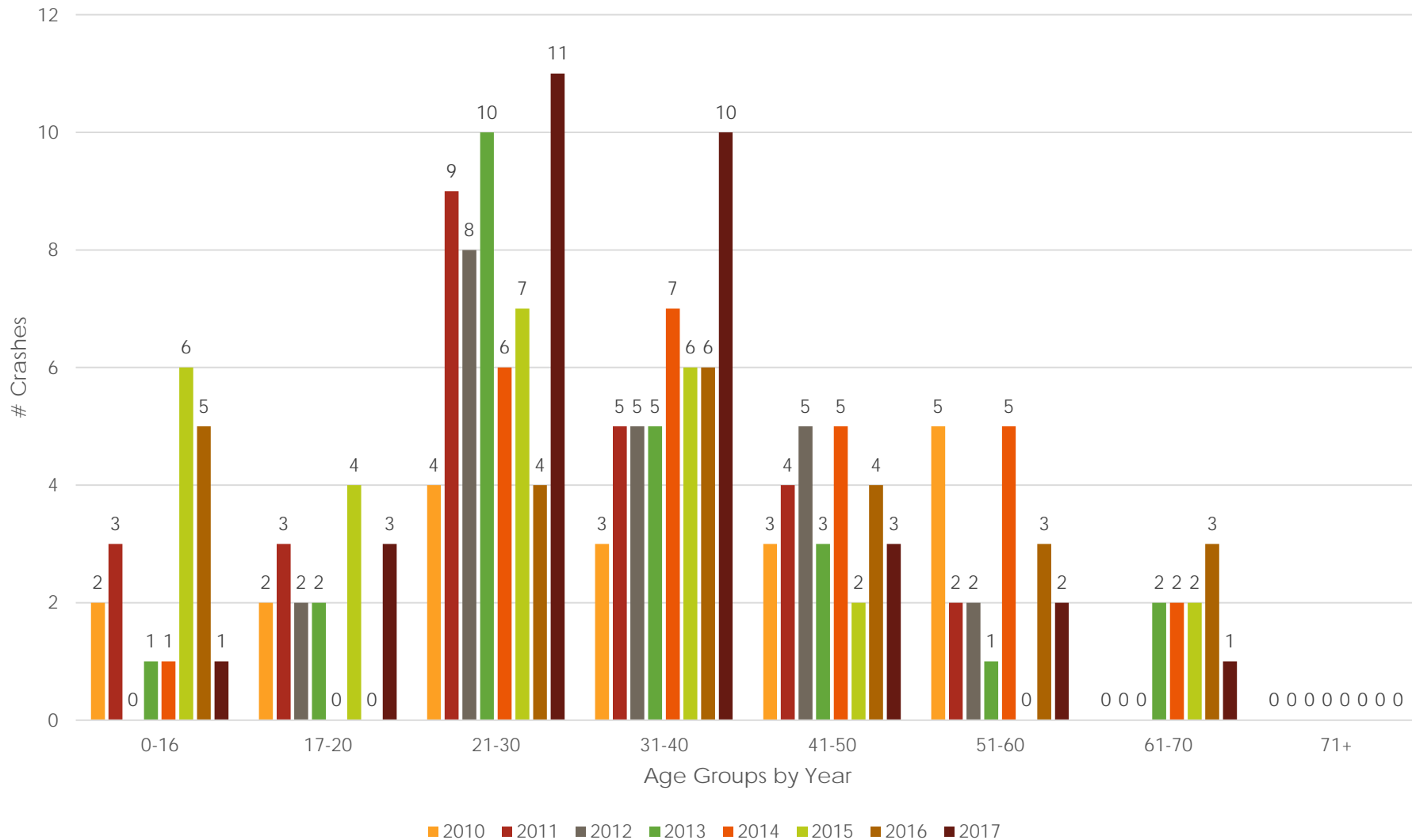
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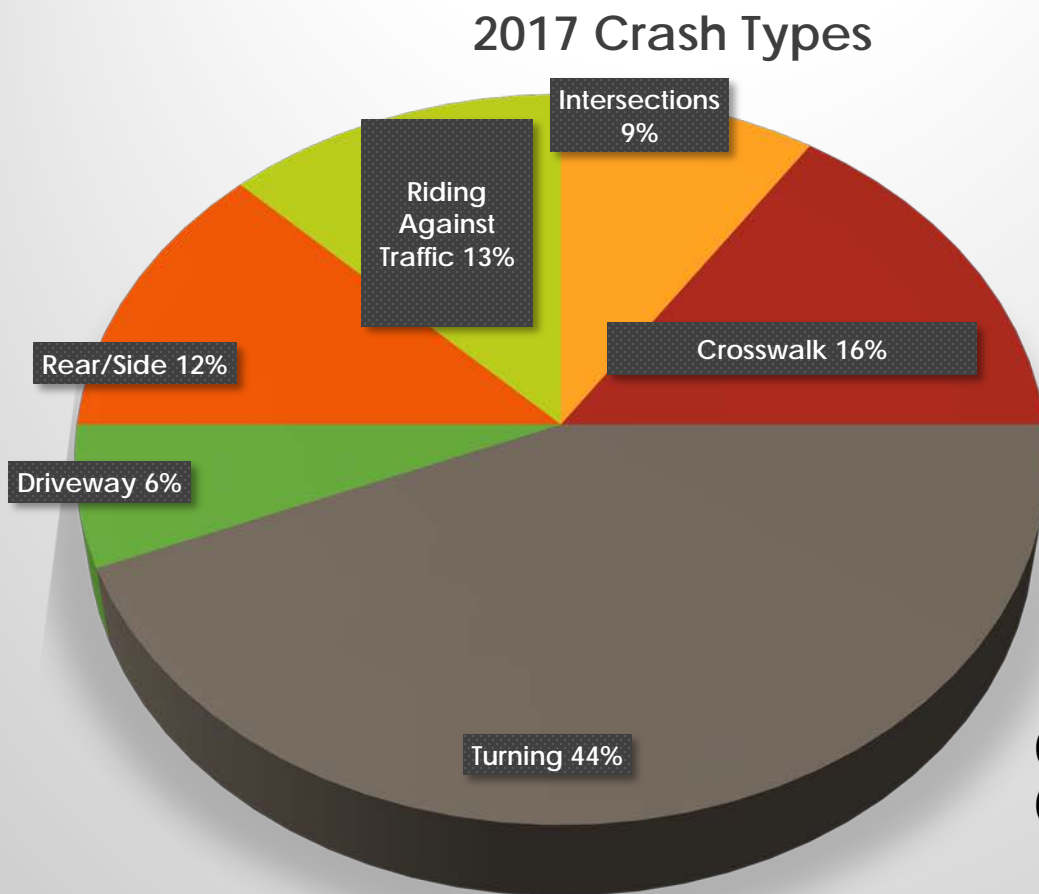
Crash Data by Year & Gender



Crash Data by Year & Age



2017 Bicycle Crashes Reported to Waltham Police



(32) Crashes in 2017
(13) Citations Issued

(202) Bicycle Crashes
2010 – 2017

Takeaways & Data Trends



Commuter riding on Prospect Street near Charles River.

- 32 Reported Crashes in 2017
 - 8 Women/24 Men
 - 31 Years Average Woman
 - 36 Years Average Man
 - 12 Years Youngest
 - 66 Years Oldest
- 13 People had Trauma Requiring Transport to Hospital
- Waltham Police's Form Includes Information on Bicyclist's Safety Equipment (12 people in reported crashes wore helmets)

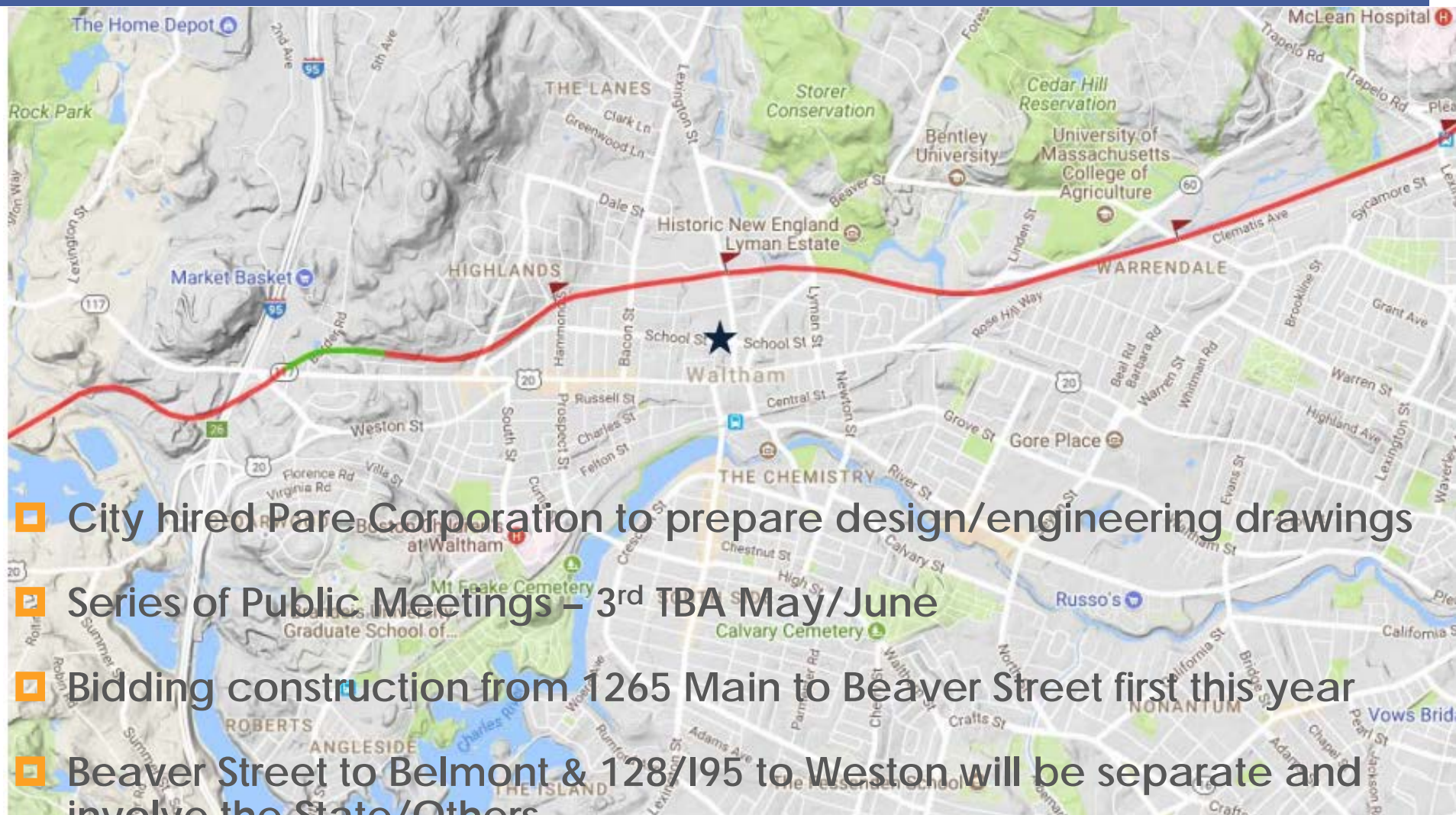
Takeaways & Data Trends



*Covered bicycle parking
At commuter station*

- 53% Crashes were Bicyclists hit by a turning Vehicle.
- 22% Crashes were from Bicycles operating on sidewalk, but crossing an active driveways or in a crosswalk.
- 13% Crashes were Bicyclists operating in the road but not following rules of the road

Waltham Wayside Trail Update



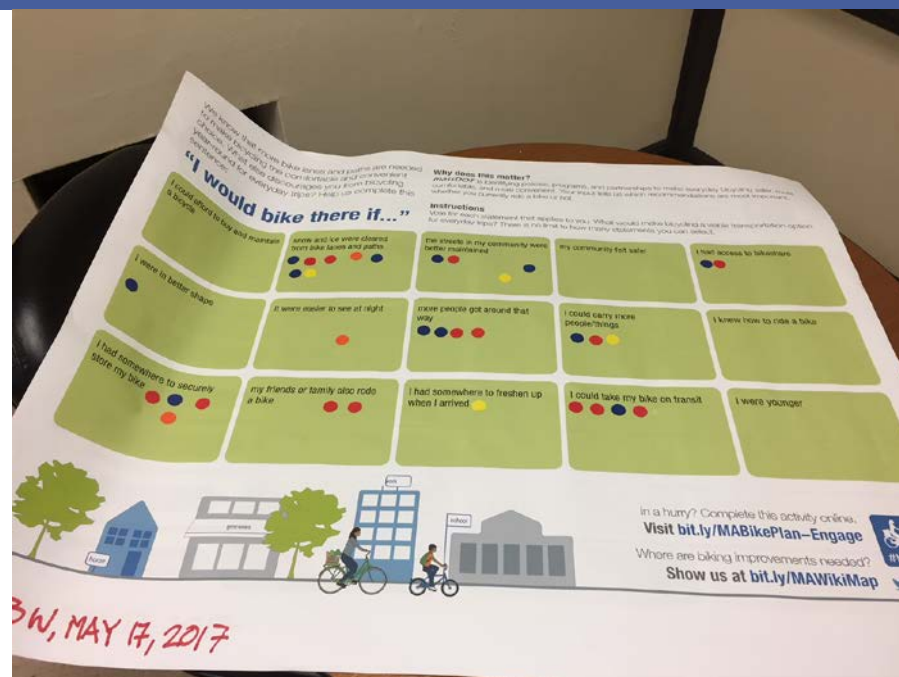
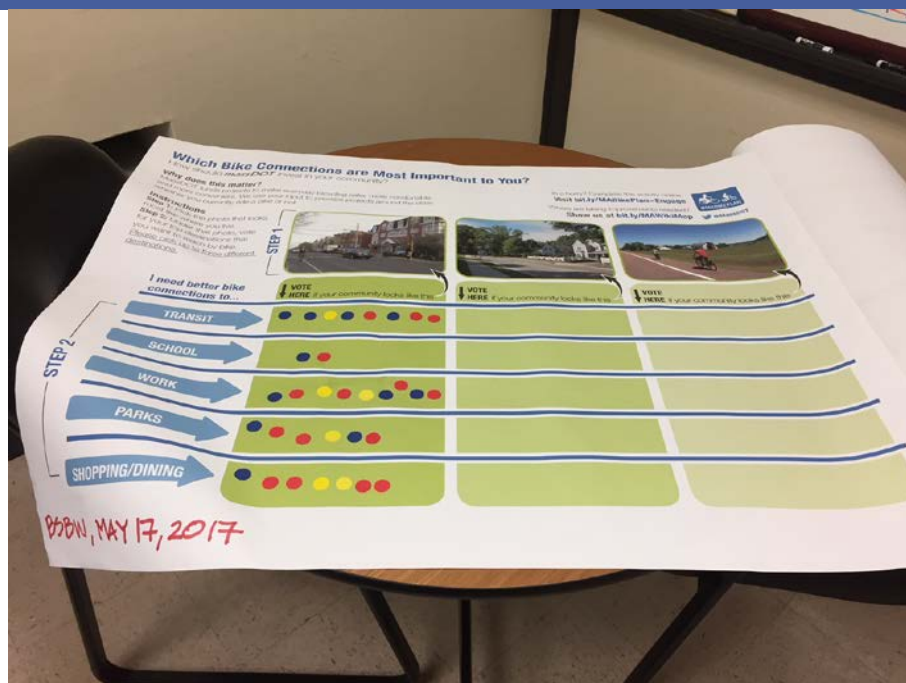
- City hired Pare Corporation to prepare design/engineering drawings
- Series of Public Meetings – 3rd TBA May/June
- Bidding construction from 1265 Main to Beaver Street first this year
- Beaver Street to Belmont & 128/I95 to Weston will be separate and involve the State/Others

MAPC Regional Dockless BikeShare



- ▣ MAPC Announced the two vendors for the Regional BikeShare will be LimeBike and Spin
- ▣ There will be 15 communities participating including the City of Waltham

2017 MassDOT Bicycle Plan Update



- 2017 we provided input from Waltham State Bicycle Plan being updated by MassDOT with Toole Design
- Prior Plan was 2008

2017 MassDOT Bicycle Plan Update Public Engagement

▣ Plan vision:

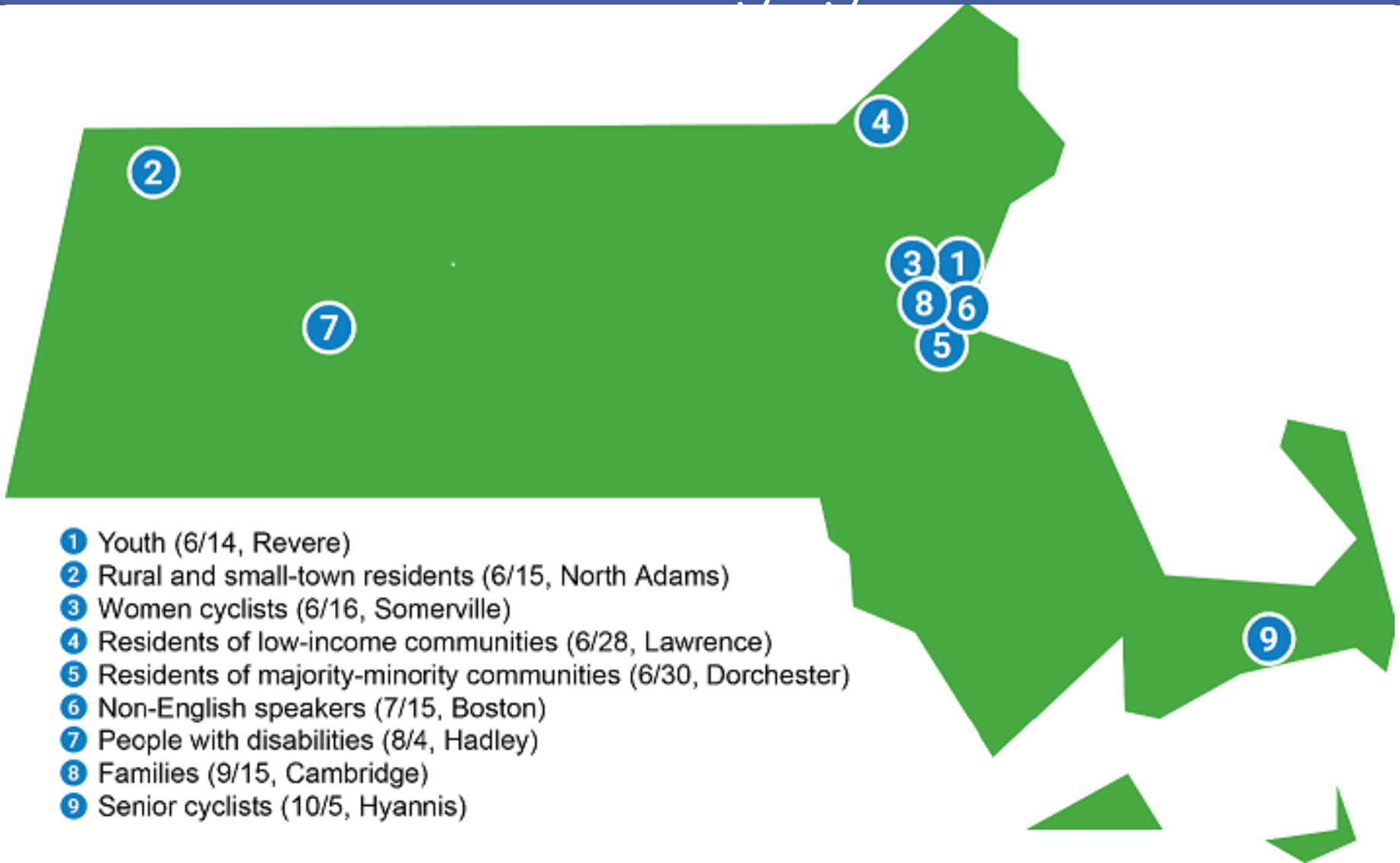
Biking in Massachusetts is safe, comfortable, and convenient.

▣ Plan goals:

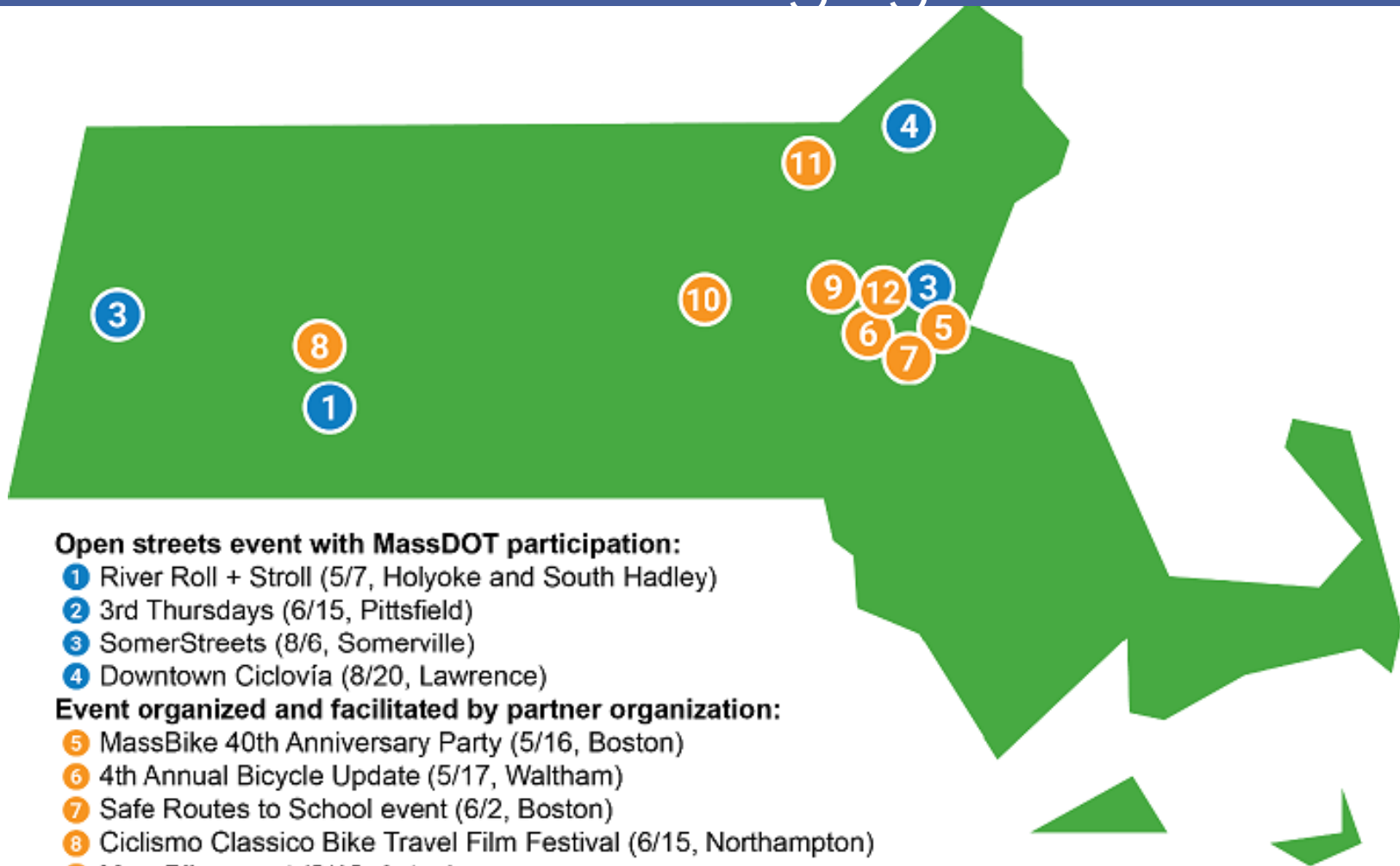
- Provide safe and well-connected bike networks.
- Advance biking for everyday travel, especially for short trips.
- Appeal to the broadest base of users, statewide.



2017 MassDOT Bicycle Plan Update Public Engagement



2017 MassDOT Bicycle Plan Update Public Engagement



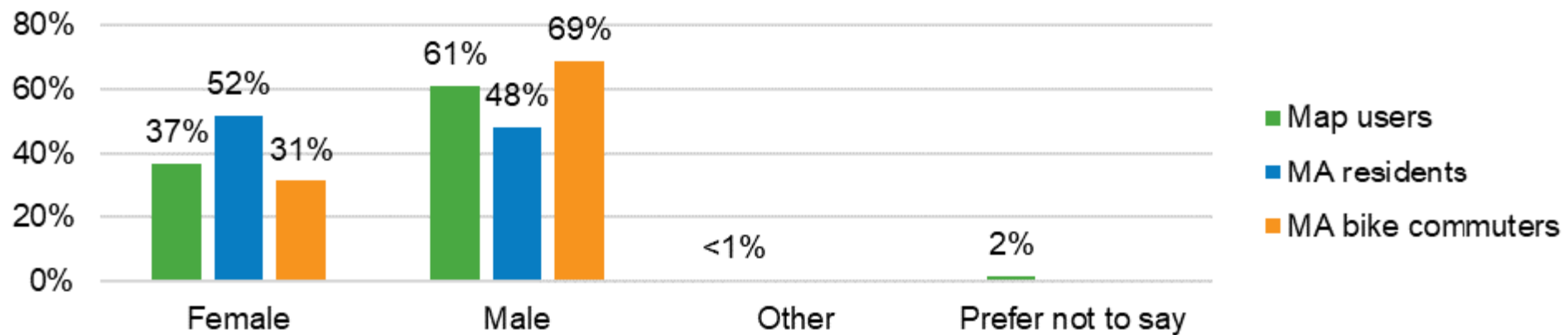
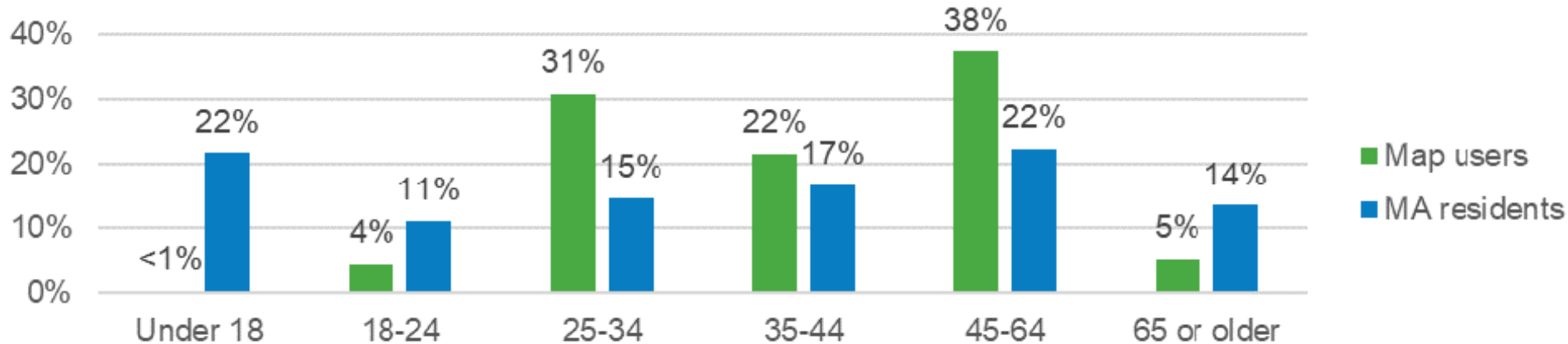
Open streets event with MassDOT participation:

- 1 River Roll + Stroll (5/7, Holyoke and South Hadley)
- 2 3rd Thursdays (6/15, Pittsfield)
- 3 SomerStreets (8/6, Somerville)
- 4 Downtown Ciclovía (8/20, Lawrence)

Event organized and facilitated by partner organization:

- 5 MassBike 40th Anniversary Party (5/16, Boston)
- 6 4th Annual Bicycle Update (5/17, Waltham)
- 7 Safe Routes to School event (6/2, Boston)
- 8 Ciclismo Classico Bike Travel Film Festival (6/15, Northampton)
- 9 MassBike event (8/10, Acton)
- 10 MassBike event (8/17, Hudson)
- 11 MassBike event (9/21, Lowell)
- 12 MassBike event (10/26, Belmont)

2017 MassDOT Bicycle Plan Update Public EngagementBas

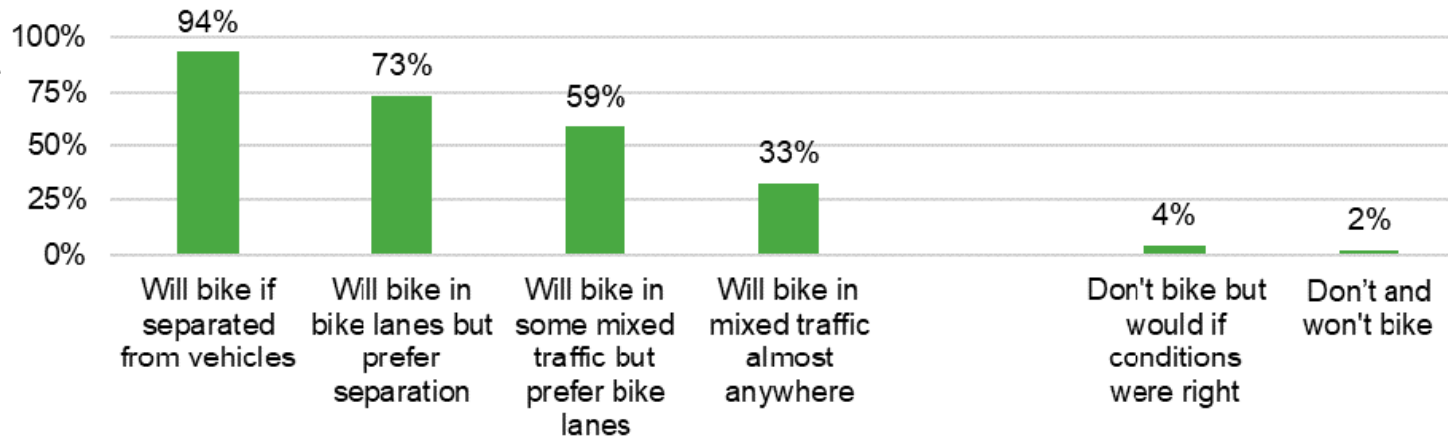


Note: Based on US Census Data 25-64 over-represented/65+ Under-represented. Men & Commuters also over-represented in online map input

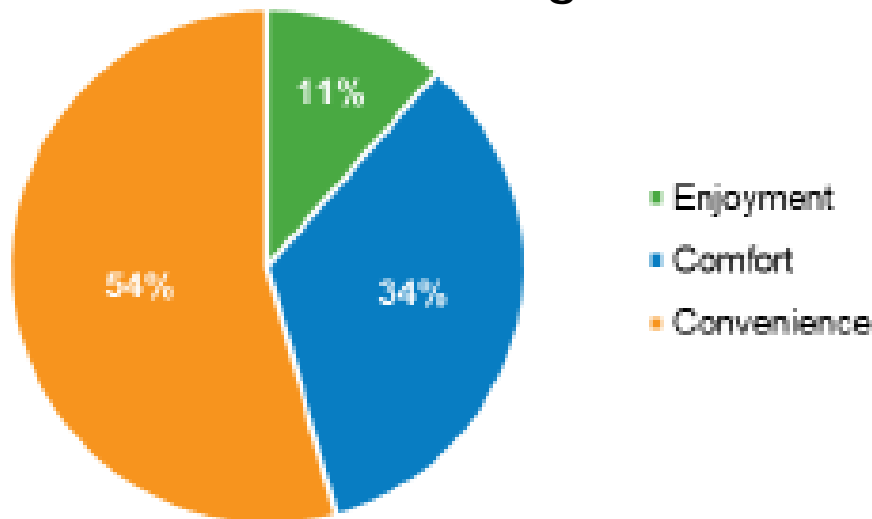
2017 MassDOT Bicycle Plan Update

Public Engagement

Traffic Stress Tolerance

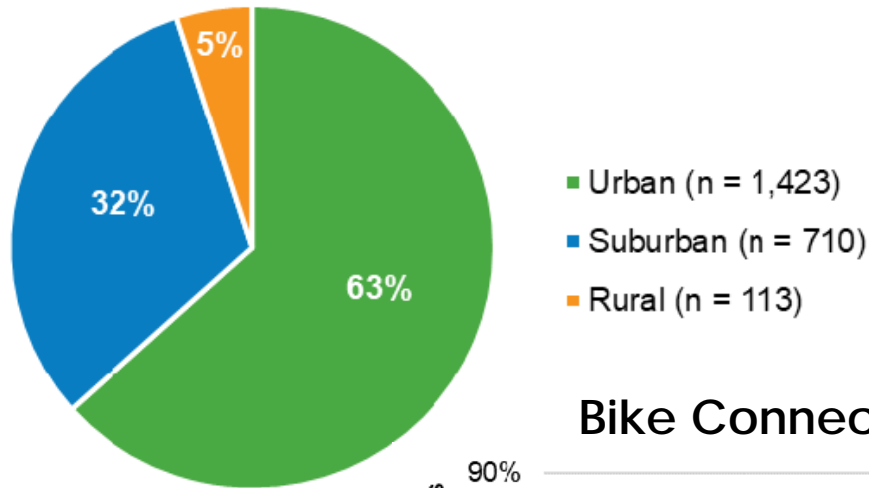


Primary Motivator When Deciding to Bike for Everyday Travel

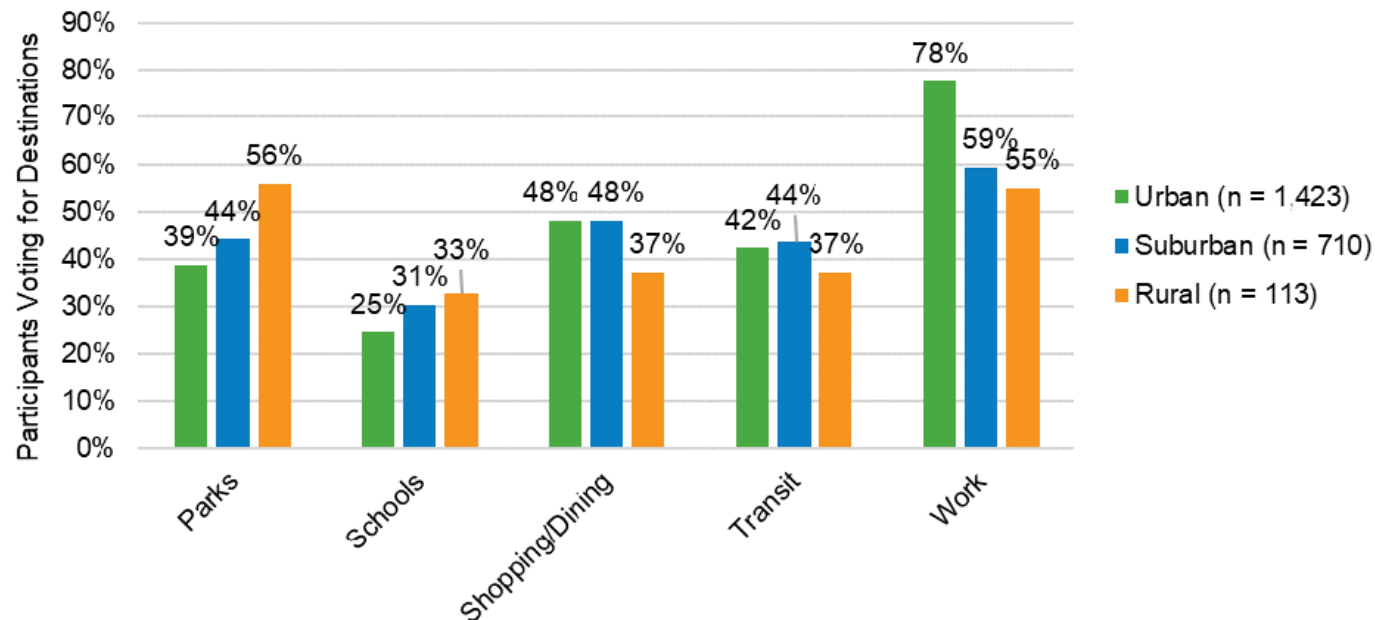


2017 MassDOT Bicycle Plan Update Public Engagement

Breakdown of Community Type Responding to Questions



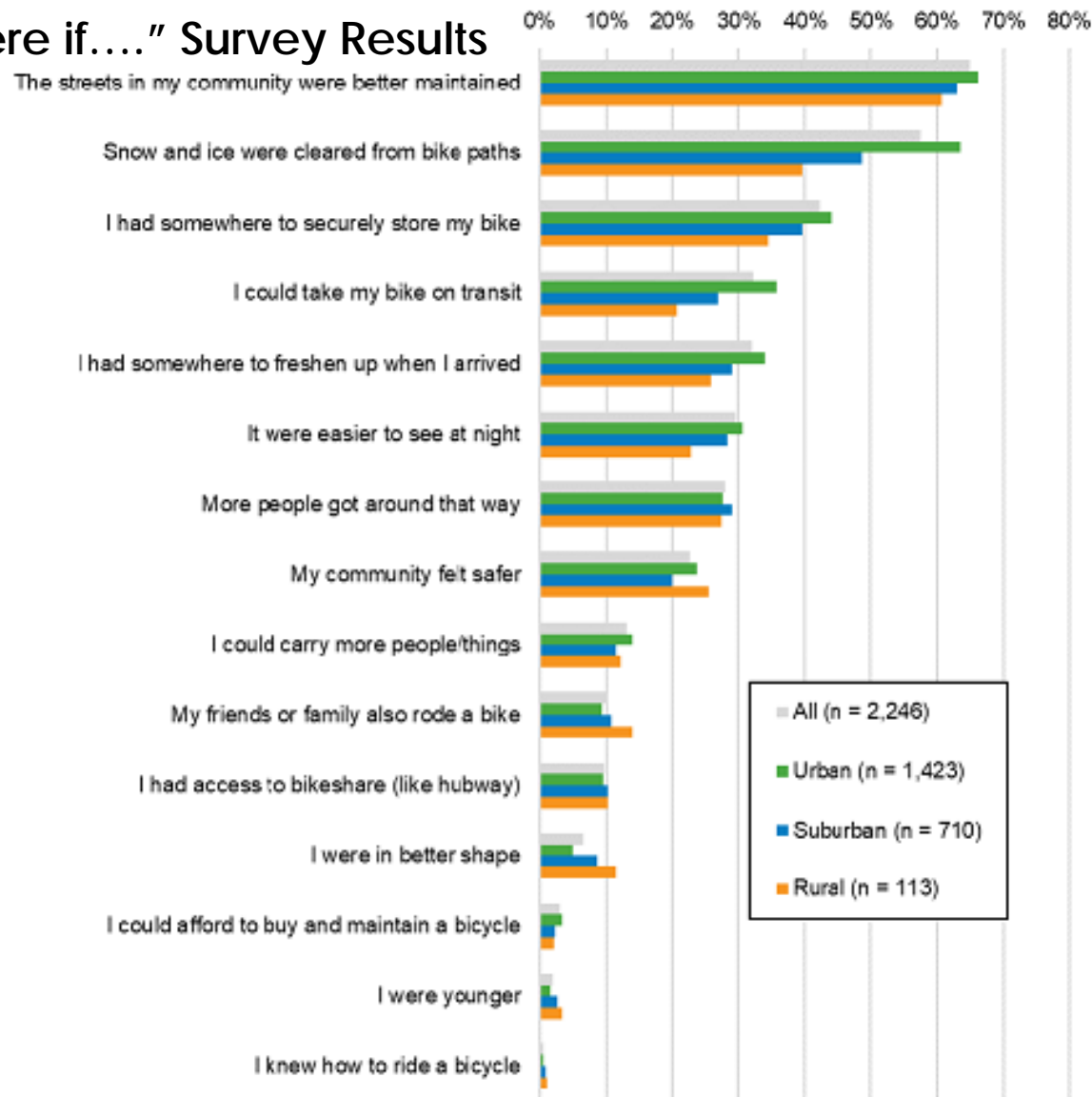
Bike Connection Survey Results



2017 MassDOT Bicycle Plan Update

Public Engagement

"I would bike there if...." Survey Results



2017 MassDOT Bicycle Plan Update Takeaways

- Proximity to high motor vehicle speeds and volumes is the primary barrier to everyday biking.
- Bike networks must be low-stress and facilities must connect to feel safe and comfortable. Only then will people consider biking for everyday trips.
- Convenience is the primary motivator when deciding to bike for everyday travel (e.g., errands, shopping, etc.)
- Users of all transportation modes need more education.
- Aside from safety and comfort, weather, topography, and distance/time are the most common barriers to biking.

2018 Bicycle Transportation Goals

- Add 2 miles of On-Road Bicycle Facilities in 2018
- Complete Design of Wayside Multi-Use Path from 1265 Main to Beaver Street and Proceed to Bidding Construction
- Launch MAPC Regional Dockless BikeShare in Waltham
- Continue Inter-Departmental & Police Collaborations on Complete Street Safety for All Roadway Users; increase Education of Crash Prevention for All Roadway Users
- Continue work with League of American Bicyclists for Bicycle Friendly Opportunities (Community, University & Business)

Thank You!

Waltham's

