Biking in Belmont

Sustainable Belmont Meeting

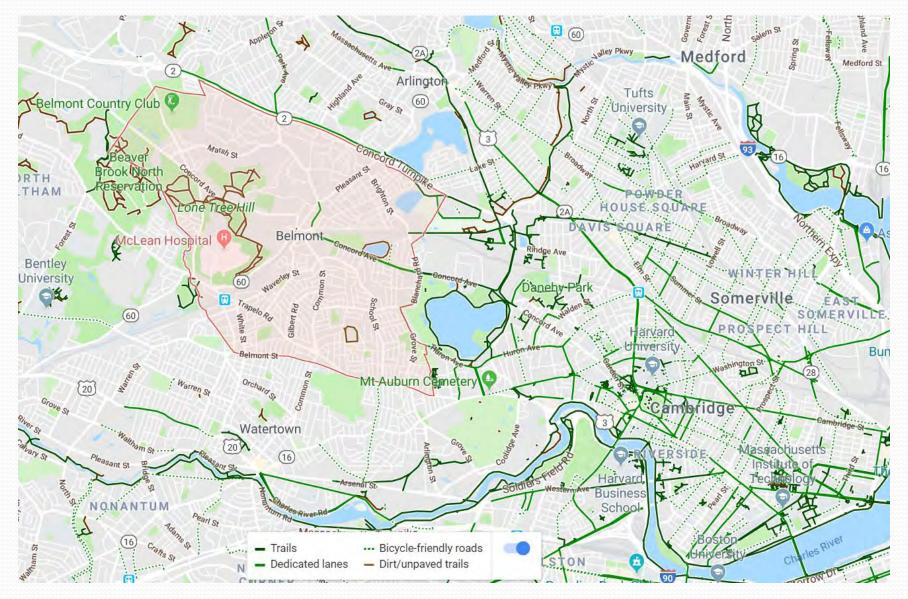
April 4th 2018



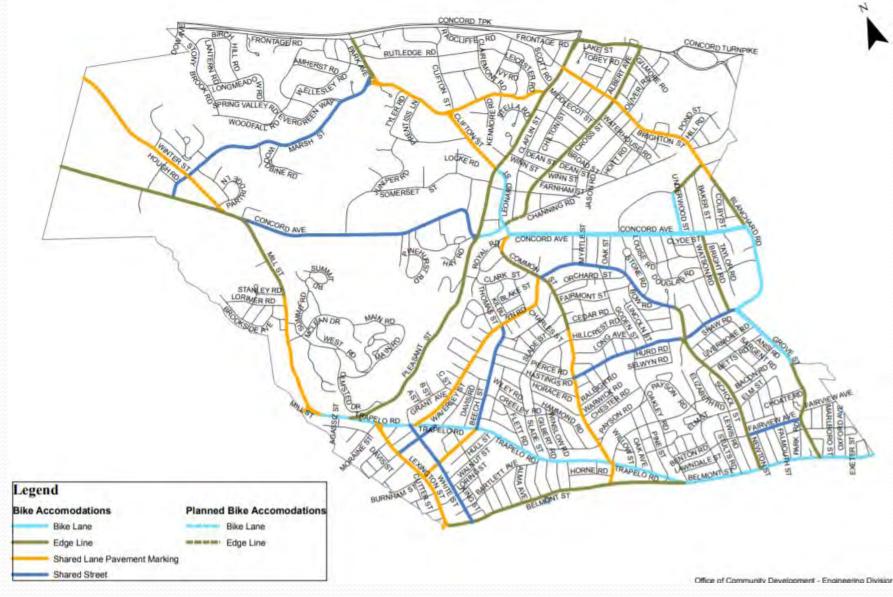
Agenda

7:05 - 7:10	Martin Plass & John Kolterman: Introduction
7:10 - 7:25	Russ Leino/Jeff Roth (CPAC): Update on Belmont Community Path & other ideas for biking improvements in Belmont
7:25 - 7:35	Lucia Willie, Resident: Concept for Belmont Bike and Skate Park with Solar Farm at former Incinerator Site
7:35 - 7:55	Karl Alexander, ZAGSTER: Dockless Bike Sharing
7:55 – 8:15	Spencer Gober, Town of Belmont: MAPC Regional bike share program
8:15 - 8:45	Podium discussion / Q&A

Current Bike Routes in Belmont



Proposed Bike Lanes



BELMONT COMMUNITY PATH CURRENT STATUS & NEXT STEPS



Proposed Waverley Square "Box Over"

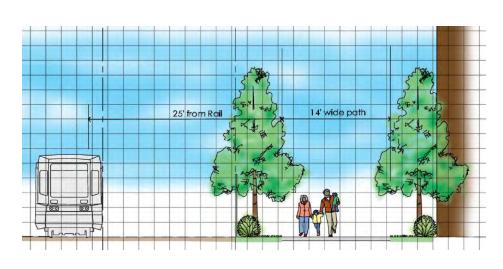
Presentation to Sustainable Belmont

April 4, 2018

Russ Leino, Chair,
Community Path
Implementation Advisory
Committee

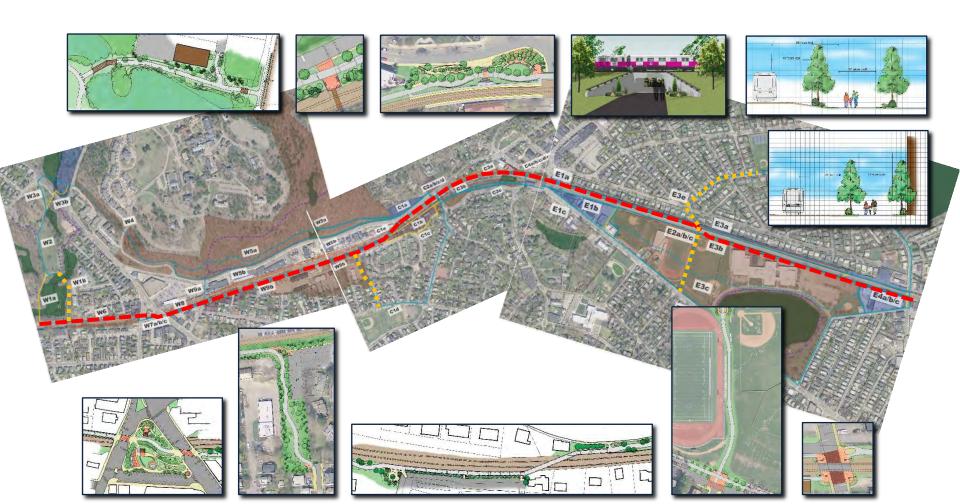
FEASIBILITY STUDY: COMPLETE

- Engineering consultant was asked to recommend a single route for a community path that will best serve Belmont's residents AND function as a key segment of the MCRT.
- Feasibility study intended to advance to conceptual design and planning cost estimate
 - Define path options
 - Quantify impacts
 - Quantify costs
 - Weight and rank alternatives



RECOMMENDED ROUTE

Estimated Cost: \$27.9 Million



RECOMMENDED ROUTE SPURS

- Construct spurs through initial or subsequent funding
 - Connect to Beaver Brook \$0.73 M
 - Connect to Town Field \$0.79 M
 - Connect to Concord Avenue \$0.44 M
 - Connect to Winn Brook Elementary \$0.77 M

Town Field

Beaver Brook





Concord Ave.







NEXT STEPS: 25% DESIGN & FUNDING

- What is 25% design?
 - Preliminary design plans, cost estimate, permitting, and detailed land survey
 - Additional opportunities for public engagement, especially abutter input
 - Completion necessary to begin application process for state/federal funding
- How much will this cost?
 - Rule of thumb: design phase = approx. 10% of total project cost, so likely \$2.5-\$3M for the recommended route (25% design = likely approx. 5-6% of total project cost)
 - Funding for design will likely need to be a combination of Town funds (e.g., CPA), established grant funding (e.g., DCR), ad hoc state funding (e.g., budget earmark), and private fundraising



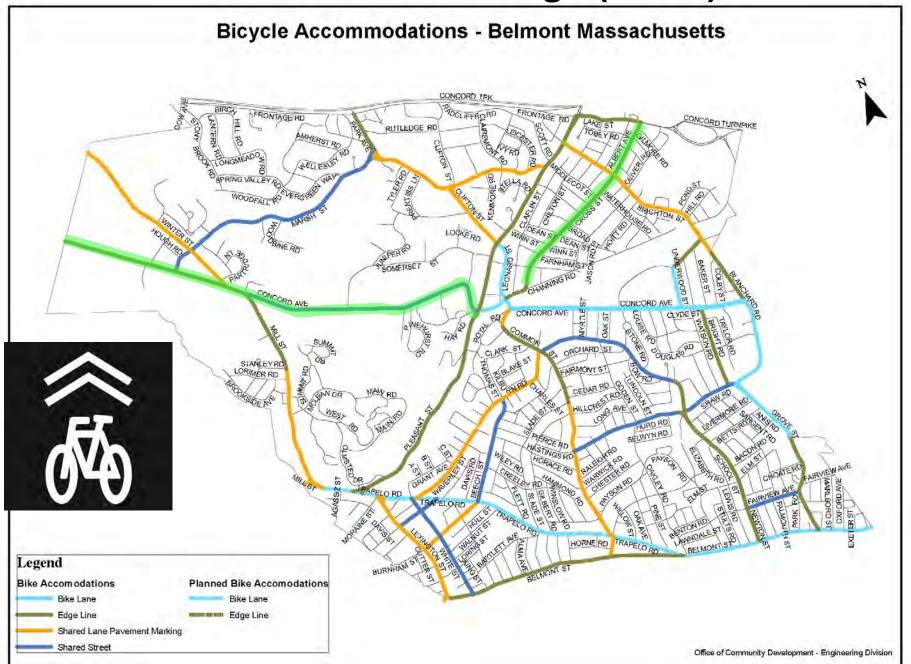
NEXT STEPS: TIMELINE

- Feasibility Study Accepted and Recommended Route Endorsed by BOS; CPIAC Charged with Pursing Funding, Procuring Design Consultant, and Moving Forward with Implementation
 December 2017
- Research/Pursue Funding for Preliminary/Final Design 2018
- Issue RFP for Design and Select Consultant 2018
- Preliminary/Final Design with State Agency Review 2018 & 2019
- Town Procure Funding/Property for Construction Phase 2019
- Construction of Belmont Community Path 2020 & 2021

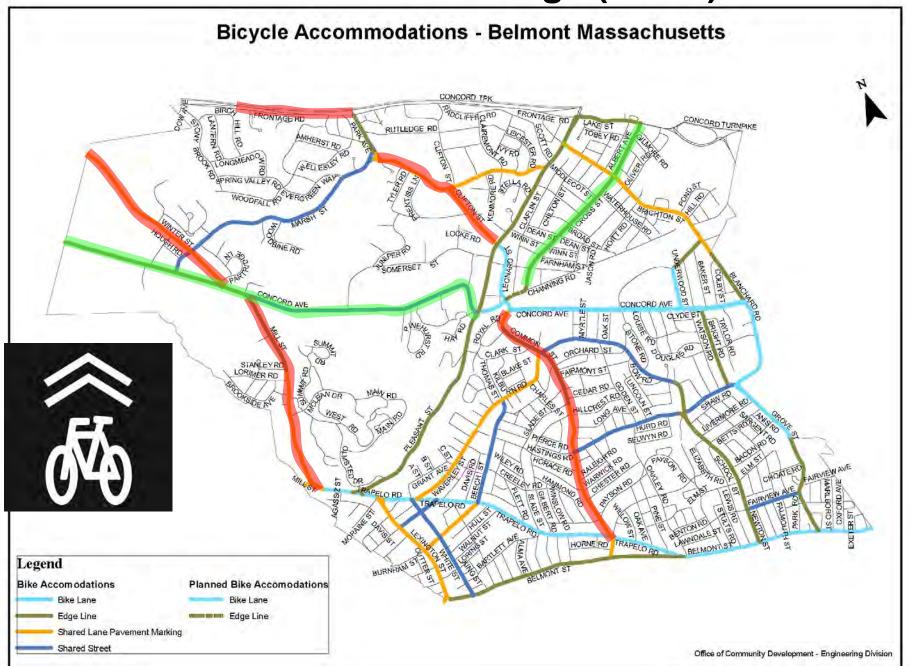
Bicycling in Belmont

J. M. Roth 4 April 2018 <u>irothim@yahoo.com</u> / 339.223.1235 (mobile)

Shared-Lane Markings (SLMs)



Shared-Lane Markings (SLMs)



Biking Direction Signage for Belmont Center and Path to Alewife



- Wayfinding signs for bike routes between Belmont Center and Alewife
- Message is that it is easy to bike places
- Done in Lexington previously
- Look for signs this spring!



Bicycle Parking and Bicycle Shelters

- Covered bicycle parking 2x more used than uncovered
- People want covered and safe places to park bikes
- Schools and businesses ideal locations
- MAPC discounts on bicycle shelters
- Bike parking costs pay for themselves (health, air quality, and congestion)
- Need to invest in such infrastructure in Belmont





Additional Topics

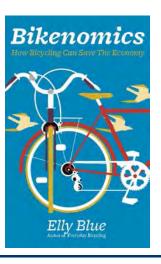
- Winter access to Fitchburg Cutoff Bikeway How can it be improved?
- Bay State Bike Week (May 12 20) and Bike Month (May)
- Cyclovia Belmont Can we organize something like this on Concord Ave. in the summer
 - "Recreation Sundays"



Memorial Drive (Cambridge)



Suggested reading: <u>Bikenomics</u> (Elly Blue)



Belmont Bike and Skate Park with Solar Array

A preliminary proposal by an ad-hoc group of Belmont residents

April 2018

What is a Bike Park?





What is a Bike Park?





What is a Bike Park?





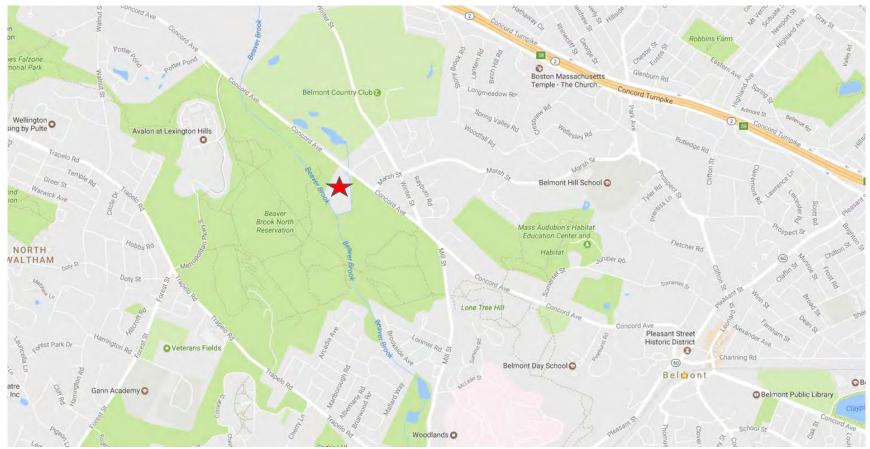
Images of Bijou Bike Park





The 3 best parts of the bike for young kids and beginners are the small pump track, small slopestyle line and the loop trail.

Incinerator Parcel Location: Street Map



Incinerator Parcel Location: Multi-Use Trail Map

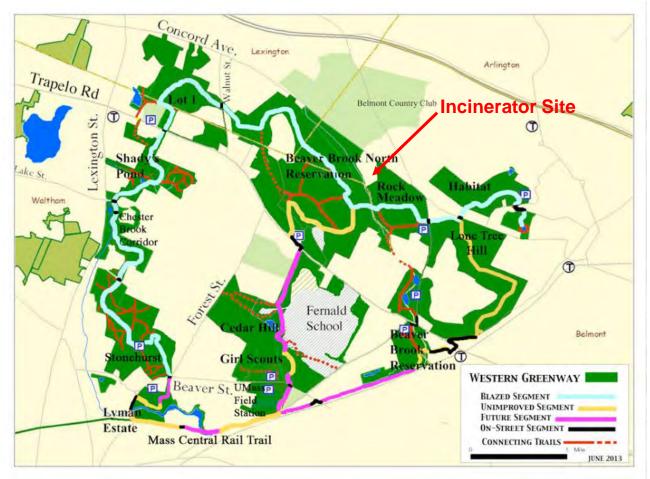
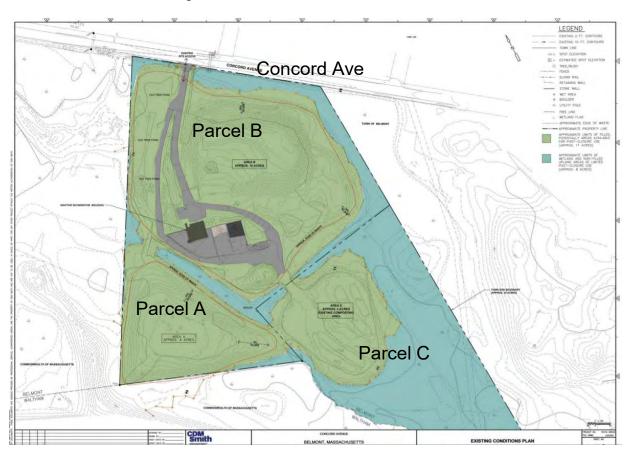


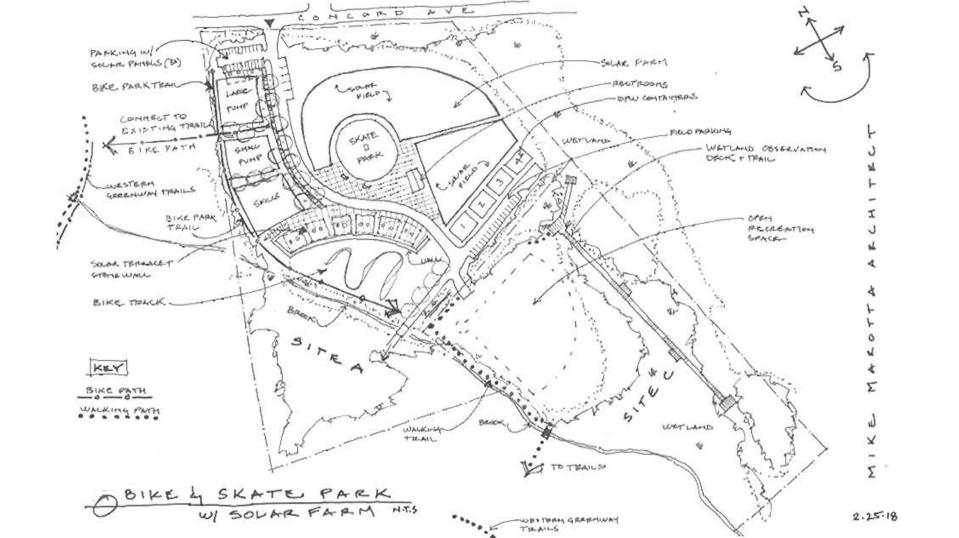
Image of/by the Western
Greenway. Red arrow marks the incinerator site.

Incinerator Site Map



Key Features of Concept Plan

- 3+ acre Solar Farm
- Skate Park
- 3 acre Bike Park
- Multiple access points to Western Greenway
- Potential for a recreational complex on parcel C including:
 - Ball Fields
 - Dog Park
 - Boardwalk
- Restrooms
- Parcel A is left undeveloped for DPW needs



Thank you for your time. Any questions?

Lucia Wille Travis Frank Roger Colton Marty Bitner Michael Marotta Roger Wrubel Tom Grimble



1.













Metropolitan Area Planning Council's (MAPC's) Regional Dockless Bike Share System

Agenda Tonight's Presentation Topics

- 1. Important Terminology
- 2. Catalyst for the Regional Approach
- 3. Cost
- 4. Timeline to Date
- 5. Participating Municipalities
- 6. Vendors
- 7. Draft Statement of Work (SOW)
- 8. Draft Bicycle Parking Regulations
- 9. Bicycle Counts
- 10. Potential Bicycle Locations
- 11. Next Steps
- 12. My Contact Information



Important Terminology

Request for Proposal (RFP)

A document used by an agency or company to procure professional services, often through a bidding process.

Memorandum of Understanding (MOU)

Governs how the municipalities will work with one another and with MAPC to prepare for and implement the dockless bike share system. It outlines the roles and responsibilities of the municipalities and MAPC.

Master Contract

Exists between MAPC and the vendors. This document is undergoing the final stages of internal review at MAPC, and essentially states that the vendor will agree to the rules and regulations set out in the RFP, and will commit to provide the goods and services they described in their proposals.

Statement of Work (SOW)

Is the contractual agreement that will exist between the municipalities and the vendor. This document outlines a plan for how the system will be implemented, and identifies points of contact in each municipality and among the vendors.

02.

03.

04.

Catalyst What prompted the idea of a regional system?

01.

Municipalities began testing pilot dockless systems within their respective boundaries, and neighboring municipalities began to discover the dockless bikes were being ridden into and left within their boundaries.

02.

MAPC observed municipalities in the region starting to pilot dockless systems on their own, often using competing companies, and felt that a regional approach would result in a more successful and effective system.

03.

MAPC reached out to municipalities within the region to gauge interest in participating, and to discuss the preferred approach to executing a dockless bike share system within the region.

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A nominal fee will be assessed by the vendors each time a rider uses a bike.

An additional fee may be charged to riders who do not properly park a bike after their ride, or fail to finish a ride on time.

103. Each municipality may assess a nominal fee to the vendors for each bike located within their boundaries.

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Timeline to Date

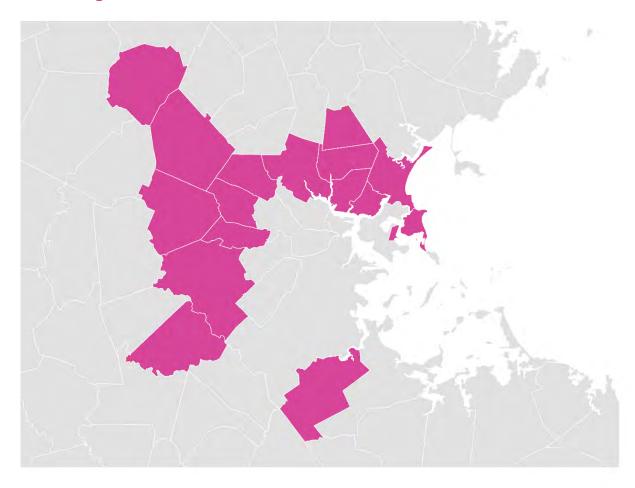
Fall 2017 – Municipalities worked with MAPC to develop a Request for Proposals (RFP).

November 2017 — Belmont Board of Selectmen (BOS) voted unanimously to approve having Belmont listed as a participating municipality.

December 2017 – MAPC released the RFP.

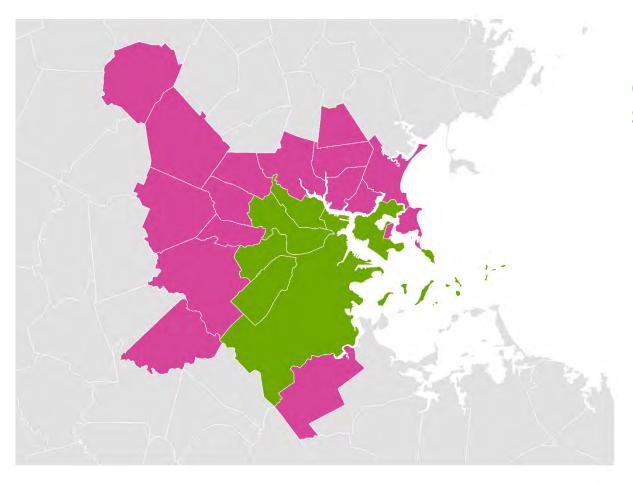
Winter 2018 – MAPC reviewed vendor proposals and selected two vendors and finalized the Memorandum of Understanding (MOU) to be signed by all participating municipalities.

16 Participating Municipalities



Arlington Bedford Belmont Chelsea **Everett** Lexington Malden Medford Melrose Milton Needham **Newton** Revere **Waltham** Watertown Winthrop

04 Municipalities with Hubway



Boston
Brookline
Cambridge
Somerville



Who are the vendors?

MAPC has not yet announced who the selected vendors will be, but plan to announce once the Master Contract has been executed.

We do know that they have chosen two competing vendors.

Bike share users will be able to utilize both vendors, but both will function as a separate entity.



Draft Statement of Work (SOW)

MAPC prepared a draft SOW for each municipality to use as a template, and Belmont will work with the vendors to customize the SOW to meet local needs and concerns.

<u>Topics addressed in the draft SOW include:</u>

- Municipal and Vendor Project Managers
- Methods for issue resolution
- Compliance with data security legislation
- Future changes to the scope of work
- Liability
- Project plan parking regulations and customer service
- Contract Termination



The vendor will inform customers of how to appropriately park bicycles.





Bicycles shall be parked on the sidewalk, at a public bike rack, or other locations expressly permitted by the municipality that is consistent with the local regulations.





Bicycles must not be parked immediately adjacent to or within: Transit zone, loading zone, accessible parking zone or other facilities specifically designated for handicap accessibility, fire hydrant, street furniture, curb ramp, entryway, driveway, or parklet.





Use of public sidewalks must not:

- Adversely affect the streets or sidewalk;
- Not inhibit pedestrian movement; or,
- Create conditions which are a threat to public safety and security.





Bicycles parked in one location for more than seven consecutive days without moving may be removed by the municipality at the expense of the bike share vendor.





Any bicycle that is parked incorrectly shall be re-parked or removed by the vendor based on these times:

Within 3 hours of receiving notice:

6 AM – 6 PM on weekdays, not including holidays

Within 12 hours of receiving notice:

All other times



An inoperable bike, or any bicycle that is not safe to operate, shall be removed from the public right-of-way by the vendor and made not available to the public, within 24 hours notice.









How many bikes will there be in the system?

Each municipality was asked to provide both a minimum and maximum number of bikes to be located within their boundaries:

Belmont:

35 minimum and 50 maximum

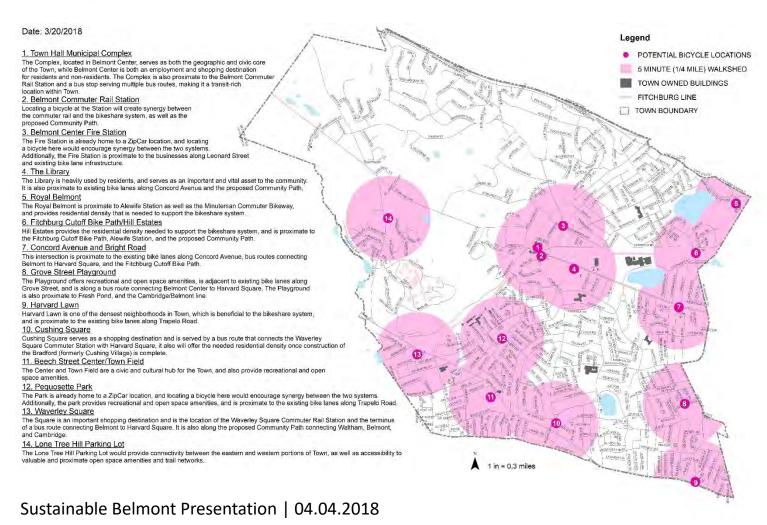
*Based on vendor market study and potential bike locations.

System-wide (approximately):

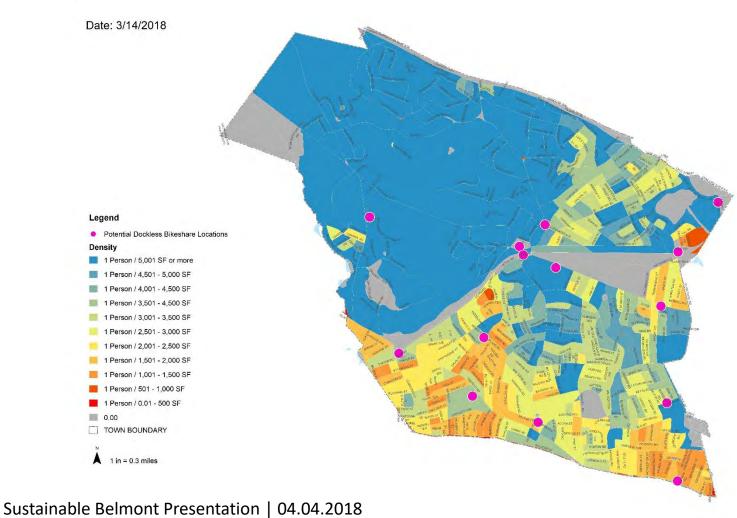
1,500 minimum and 3,600 maximum



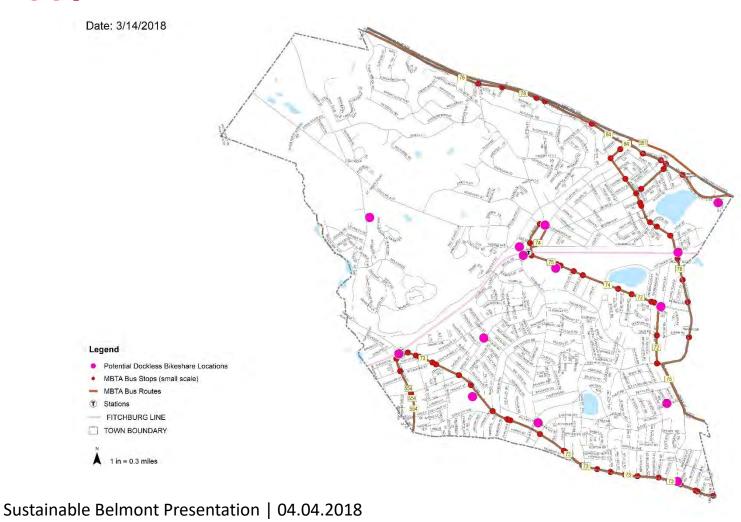
Potential locations within Belmont.



Population Density

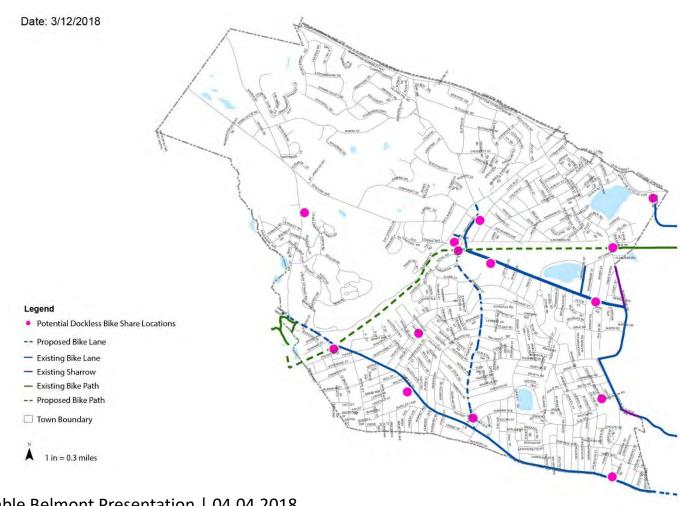


Public Transit



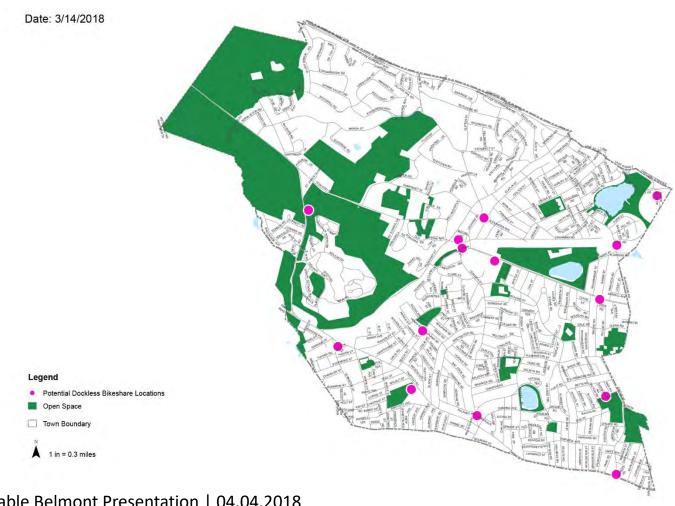
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Existing and Proposed Bicycle Infrastructure



Sustainable Belmont Presentation | 04.04.2018

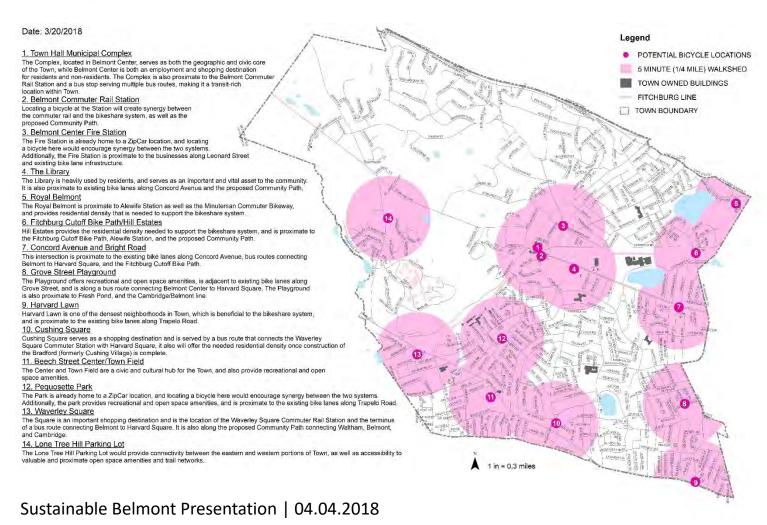
Open Space Amenities



Sustainable Belmont Presentation | 04.04.2018



Potential locations within Belmont.





Next Steps

April 9th, 2018 – Belmont Board of Selectmen vote on whether or not to sign the MOU.

Spring 2018 – MAPC and the vendors will finalize their Master Contract; Town of Belmont will work with vendors to draft a Statement of Work (SOW) that will function as the contract between the Town and the vendors

Late Spring/Early Summer 2018 – SOW will be finalized and the system will be launched (some municipalities have expressed ability to and interest in an earlier launch).

Next 3 Years – The Master Contract can be renewed annually for 3 years; additional bikes may be added to the system over time.