

# **Better Bus Project Update**

FMCB, February 04, 2019



# **Overview**

This presentation will update the Board on the Better Bus Project work plan including a summary of the materials that were shared with the public on January 28<sup>th</sup>, including the 47 near-term proposals. The Project Team welcomes the Board's feedback on this update.

- Provide update on Better Bus Project process map
- Highlight analyses, reports, and proposals available to public
- Review of examples of near-term proposals
- Review key next steps, including decisions and implementation timelines



**Future** 

# **Better Bus Project Process Map: Update**

Continuous

	Change	Analysis	Near-term Changes	Investment Strategy	Network Redesign
	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
Products/ Actions	<ul> <li>✓ Early Morning         Pilot</li> <li>✓ Late Night Pilot</li> <li>✓ SL3 Service         Expansion</li> <li>✓ Dedicated Bus         Lanes</li> <li>✓ Transit Signal         Prioritization</li> <li>✓ Signal         Optimization</li> <li>✓ Addition         Resources</li> <li>✓ Dropped Trip         Task Force</li> <li>✓ Quarterly Goals</li> </ul>	✓ 1 <sup>nd</sup> Round Public/ Stakeholder/Ope rator Outreach ✓ Review existing service ✓ Jan 28: Release State of the System Report ✓ Jan 28: Release Market Analysis	✓ Ongoing:     Municipal and     State Officials     Outreach     ✓ Jan 28: Release     near-term service     proposals     ✔ Jan 28 to Mar 13:     2 <sup>nd</sup> Round Public/     Stakeholder     Outreach     ✔ Apr: FMCB Vote:     Go/No-Go     ✔ Early-May: Build     new schedules &     routes     ✔ Fall:     Implementation	<ul> <li>✓ Jan 28: Release         Route Profiles</li> <li>Feb: Discuss         Multi-year         Investment         Strategies for         FY20</li> <li>Mar: Finalize         FY20 resource         request</li> <li>Apr: Selection of         FY20 investment         level by the FMCB         Board</li> </ul>	<ul> <li>Nov: RFP posted</li> <li>Feb: Consultant award</li> </ul>

Proposed

Multi-year

Phase 2 **Analysis**  Phase 3 **Proposed Near-term** Changes

Phase 4 Multi-year Investment Strategy

Phase 5 **Future Network** Redesign



# Recommendations & Analysis Released on Jan. 28th

## **Near Term Proposals (47)**

#### **Route 70/70A**

You asked for buses that come on time & more ofte



216

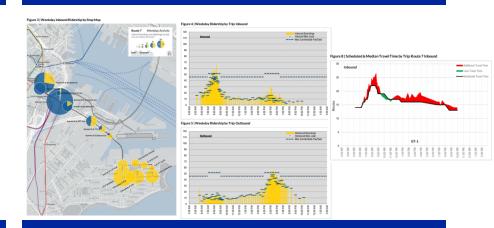
#### **Route 70/70A**

- . More consistent frequency for 5,013 (77%) riden Waltham Ctr. and University Park
- riders at Market Place Dr.
- New Sunday service every 90 minutes on Route 70A to

about this proposal at

- . About a 2-minute longer wait time for 342 (20%) Route 70A riders in North Walthar
- About a 15-minute transfer time for 509 (29%) Route 70A riders at Waltham Ctr. to Route 70

## **Route Profiles (180)**



# **Market Analysis (1)**

#### **Overview of Transit Demand**

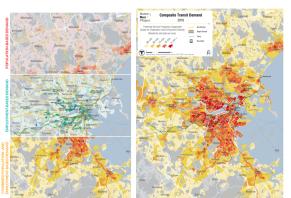
Underlying transit demand is strongly related to six factor



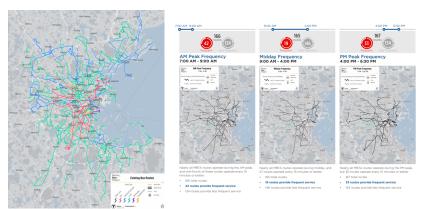
or less likely to use transit based on socioe

nand, as traveling to and from work often acco

Travel Flows: People use transit to get from one pla to another. Major transit lines such as rapid transit services and Key Bus (high frequency) routes are designed to serve corridors with high volume trave



# **State of the Bus System (1)**



All proposals available online on at: mbta.com/betterbus

Phase 1
Continuous
Change

Phase 2

Analysis

Phase 3
Proposed
Near-term
Changes

Phase 4
Multi-year
Investment
Strategy

Phase 5
Future
Network
Redesign

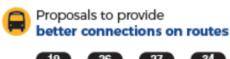


# **Methods to Communicate Scale of Change**

## All Routes Affected by Proposals

# Proposals to help buses come on time and more often on routes





19	26	27	34
(34E)	60	64	65
95	225	350	

## **Summary of All Changes**



Phase 2



# **Recap: Principles for Change**

## **Keep Proposals Cost Neutral**

Consider route changes that improve bus service, without requiring additional resources to implement the proposal.



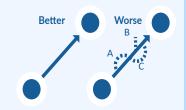
## **Combine Similar Services**

Combine routes that serve the same areas in slightly different ways to create a more reliable and frequent service that's easier for our customers to use.



### **Minimize Route Variations**

Reduce route variations that create customer confusion, serve few people, and do not impact vulnerable populations who do not have other alternatives. This creates faster and more reliable service for customers that's easier to understand.



## **Shorten Unproductive Sections**

Many routes are very long with sections that have little to no ridership, or have other service options. By shortening routes, we provide customers on the remaining service with increased frequency and reliability.



## **Straighten Routes**

The less a bus needs to turn or deviate from a straight path, the faster it will travel. This makes bus routes easier to understand while also provide faster and more reliable service for our customers.



Phase 2

Phase 4 Multi-year Investment Strategy

Phase 5 **Future Network** Redesian



# **Additional Examples of Near-Term Changes**

## **More Consistent Travel** Pattern: Route 36

## **Faster & More Reliable:** Routes 448 & 449

## **Better Connections:** Routes 26 & 27



- Provide a more consistent travel pattern by reducing the number of route variations
- More frequent service to VA Medical Center/Hospital



Faster, more reliable service between Boston and the North Shore with all service starting/ ending at Wonderland



Improve neighborhood connectivity between Ashmont, Codman Square and Mattapan

Phase 1
Continuous Change

Analysis

Phase 2

Phase 3
Proposed
Near-term
Changes

Phase 4
Multi-year
Investment
Strategy

Phase 5
Future
Network
Redesign



# **BBP Public Engagement Completed to Date**

- ✓ State House Briefing
- ✓ Transportation Advocates Briefing
- ✓ Municipal Staff-to-staff Briefings (ongoing)
- ✓ Municipal Leadership Briefings (ongoing)
- ✓ Street Team at Andrew Station (1 of 6)
- ✓ Open House at Boston City Hall (1 of 7)

Complete meeting schedule available online on at: mbta.com/betterbus







# **Total Impact for Proposed Near-term Changes**

- 47 proposals that affect 63 of our 180 routes across ~35 communities
- 2,000 passenger hours saved each weekday, or 509,000 weekday hours a year
- 8,000 new bus rides every weekday, or over 2 million new rides a year
- At least 30,000-45,000 of weekday bus riders positively affected by these proposals
  - 14,000 of weekday bus riders will have a faster trip
  - 32,500 of weekday bus riders will have a shorter wait time
- A small subset of riders will be inconvenienced by these proposals
  - 786 of weekday bus riders will be further than ½ mile from bus or other MBTA transit service
  - 3,000 of weekday bus riders will have to transfer who didn't before
- All proposals available online at mbta.com/betterbus



# **Key Next Steps**

Date	Meeting/Deliverable Release	
Dec 10	FMCB Presentation – Part 1 Work Plan Review, Overview of State of System and Market Analysis	
<b>J</b> an 14	FMCB Presentation – Part 2 Overview of Near-term Change Proposals	
Jan 28 to Mar 13	<ul> <li>Kick off Round 2 of public engagement</li> <li>Release Market Analysis</li> <li>Release State of the Bus System Report</li> <li>Release Near-term Change Proposals</li> <li>Release Route Profiles</li> </ul>	
Feb	FMCB Presentation – Part 3 Discuss Multi-year Investment Strategies for FY20	
March	ch Action: FMCB Propose FY20 Budget	
April	Action: FMCB Vote on Package of Near-term Change Proposals	

Analysis

Phase 2

Phase 3
Proposed
Near-term
Changes

Phase 4
Multi-year
Investment
Strategy

Phase 5
Future
Network
Redesign



# **Appendix: Near-Term Proposal for Route 36**

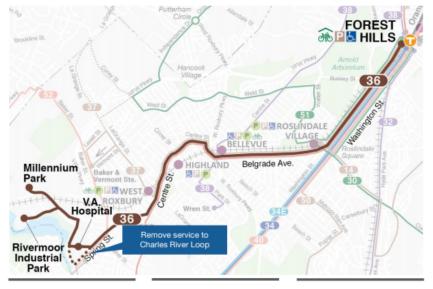
VA Hospital - Forest Hills Station

# Route 36

You asked for buses that come on time & more often

#### Our proposal

- · Provide a more consistent travel pattern on Route 36 by reducing the number of route variations
- More frequent service to VA Medical Center/Hospital



10

minute shorter wait time for 503 (17%) riders at Millennium Park and VA Medical Center/Hospital 8

passenger hours saved each weekday

new passenger trips each weekday

38

### Why we believe in these changes

- Creates a single main route variation to Millennium Park with late-night service to Rivermoor Industrial Park
- About a 10-minute shorter wait time for 503 (17%) riders at Millennium Park and VA Medical Center/Hospital
- 8 passenger hours saved and 38 new passenger trips each weekday

Tell us what you think about this proposal at mbta.com/BBPfeedback

Feedback will close on March 13, 2019.

#### Trade-offs

- About a 2-minute longer wait time for 2,359 (79%) riders between Forest Hills and Charles
   River Loop
- About a 1-minute walk for 226 (8%) riders from Charles River Loop to the nearest stop on Spring St.

All proposals available online on at: www.betterbus.mbta.com/proposals

Analysis

Phase 2

Phase 3
Proposed
Near-term
Changes

Phase 4
Multi-year
Investment
Strategy

Phase 5
Future
Network
Redesign



# **Appendix: Near-Term Proposal for Routes 448 & 449**

# Route 441, 442, 448, & 449

You asked for buses that come on time & more often

#### Our proposal

- Faster, more reliable service between Boston and the North Shore with all service starting/ ending at Wonderland
- Routes 448/449 combined with Routes 441/442
- New peak Route 441 route variation to/from Ocean St.
- Existing Routes 441/442 route variations serving Vinnin Square loop
- Existing local route variations and new express route variations (between Lynn Central Sq. and Wonderland) on Routes 441 and 442 serving Paradise Rd. and Humphrey St., respectively



#### 4

minute shorter wait time for 1,214 peak (32%) riders between Wonderland and Ocean St.

## 30

minute faster trip for 82 (26%) Route 448/449 riders traveling through Wonderland

### 138

passenger hours saved each weekday

#### Why we believe in these changes

- About a 4-minute shorter wait time for 1,214 peak (32%) riders between Wonderland and Ocean St.
- About a 30-minute faster trip for 82 (26%) Route 448/449 riders traveling through Wonderland
- Local bus + subway fare is less expensive than express bus fare for 82 (26%) Route 448/449 riders
- 529 new passenger trips and 138 passenger hours saved each weekday

Tell us what you think about this proposal at mbta.com/BBPfeedback

Feedback will close on March 13, 2019.

#### Trade-offs

- About a 1-minute longer wait time for 67 peak (2%) riders along Paradise Rd., Humphrey St., and Ocean St.
- About a 4-minute longer wait time for 122 peak (3%) riders between Salem St. and Marblehead

Phase 2



# **Appendix: Near-Term Proposal for Routes 26 & 27**

# **Route 26 & 27**

You asked for better connections

### Our proposal

- Improve neighborhood connectivity between Ashmont, Codman Square and Mattapan
- Extend Route 26 to Mattapan; Route 21 continues to serve Gallivan Boulevard
- Modify Route 27 to redirect service from Dorchester Ave. to Washington St.



#### New

service along Norfolk St. on Route 26 and along Washington St. on Route 27

### 5

minute faster trip between Codman Sq. and Mattapan on Route 26

#### 15

minute faster trip between Codman Sq. and Lower Mills and along River St. on Route 27

#### Why we believe in these changes

- New service on Route 26 along Norfolk St. between Talbot Ave. and Blue Hill Ave. every 25 minutes (peak)/ 45 minutes (off-peak)
- About a 5-minute faster trip between Codman Sq. and Mattapan on Route 26
- About a 15-minute faster trip between Codman Sq. and Lower Mills and along River St. on Route 27

Tell us what you think about this proposal at mbta.com/BBPfeedback

Feedback will close on March 13, 2019.

#### Trade-offs

- About an 8-minute longer wait time for 1,337 (84%) Route 26 riders from Ashmont to Talbot Ave. and Norfolk St
- About a 4-minute longer wait time for 124 (8%) Route 26 riders along Washington St
- About a 6-minute longer wait time for 811 (100%) Route 27 riders along River St

There are additional impacts (benefits or trade-offs) not captured in this summary. You'll find them at <a href="https://www.mbta.com/busanalysis">www.mbta.com/busanalysis</a>.