

GM Report

Steve Poftak, MBTA General Manager April 28, 2022



Overview

- Red Line Incident (April 10)
- Ridership Update
- Government Center Garage Collapse (March 26), Green Line & Orange Line Tunnels
- Proposed Bus Network Redesign
- Blue Line Updates & Diversions
- April/May/June Diversion Schedule
- April 5 One-day Hiring Event
- Federal Grants
- Treasury's Bond Sale April 5
- U.S. Open Update
- Community Outreach for March



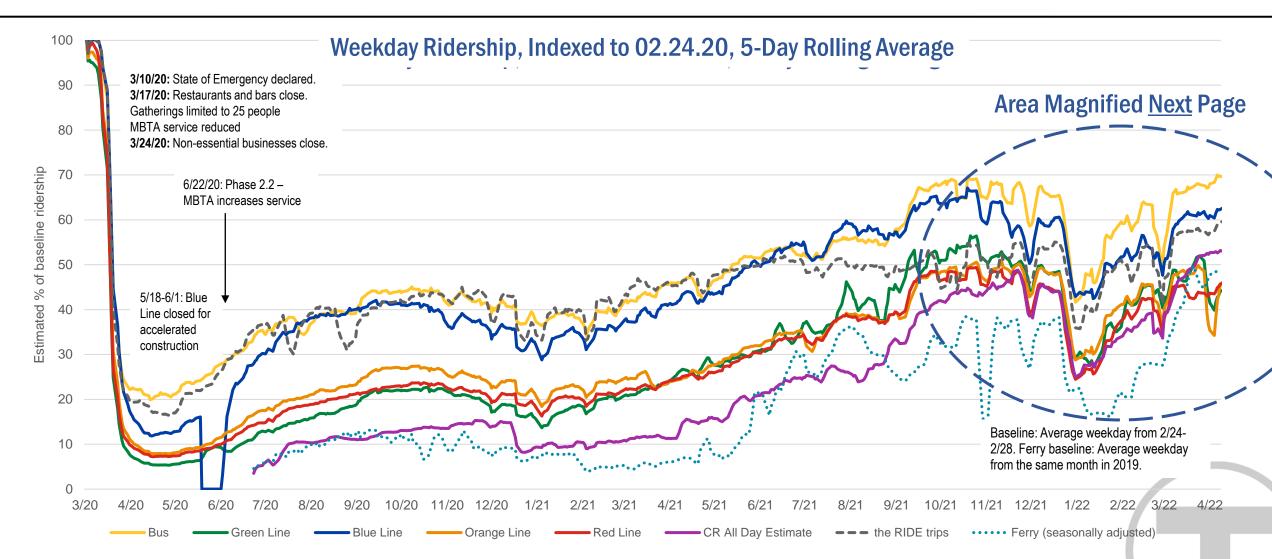
Red Line Incident



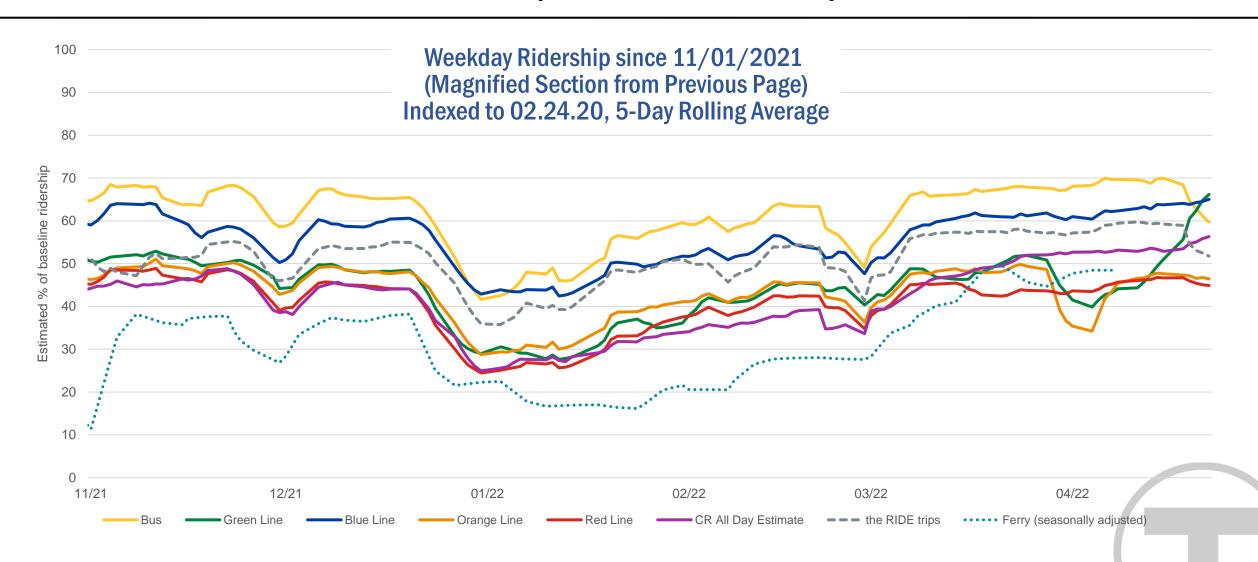
Ridership



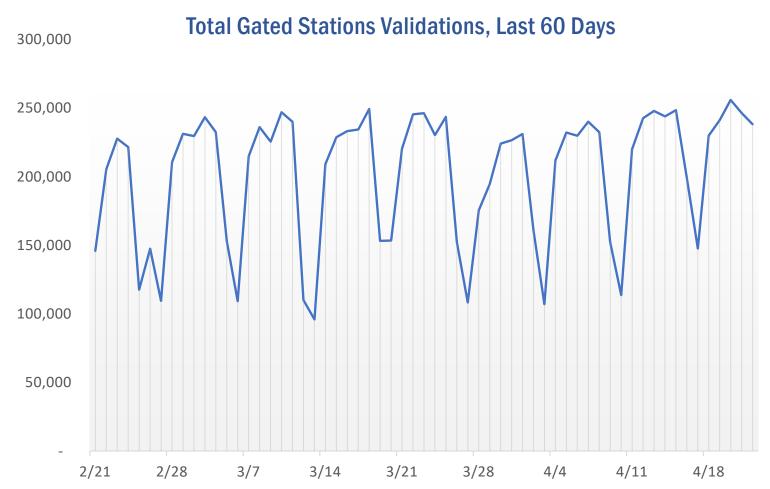
Pandemic Impact - Ridership Trend



Pandemic Impact - Ridership Trend



Gated Rapid Transit Stations



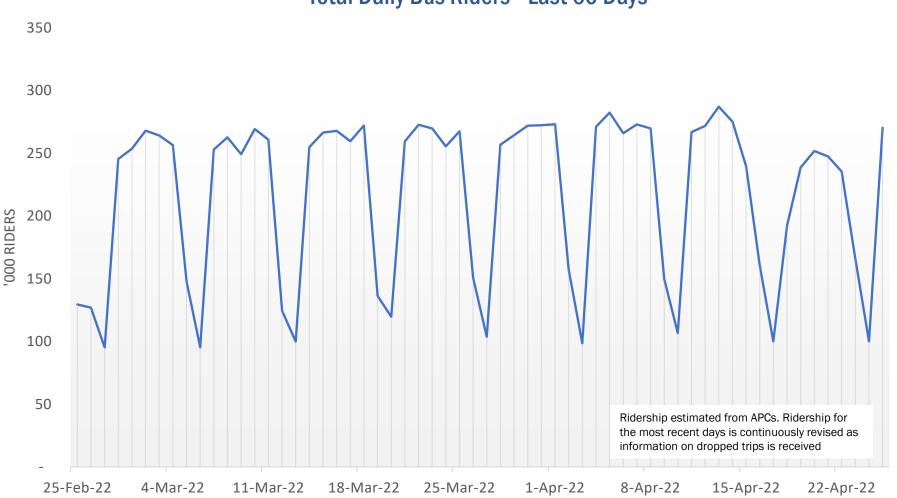
Subway gates averaged 242K validations on weekdays last week - slightly higher than the previous week (4/11).

Subway gates recorded their highest single-day total since November on Wednesday and was particularly high on the Green Line with additional riders from the Marathon and Red Sox games.

LINE	CHANGE IN VALIDATIONS Apr. 2019 weekday average vs. Apr. 18-22, 2022, weekday average			
Blue	- 36%			
Green	- 42%			
Orange	- 54%			
Red	- 56%			
Total Gated Stations	- 51%			

Bus Ridership Trends

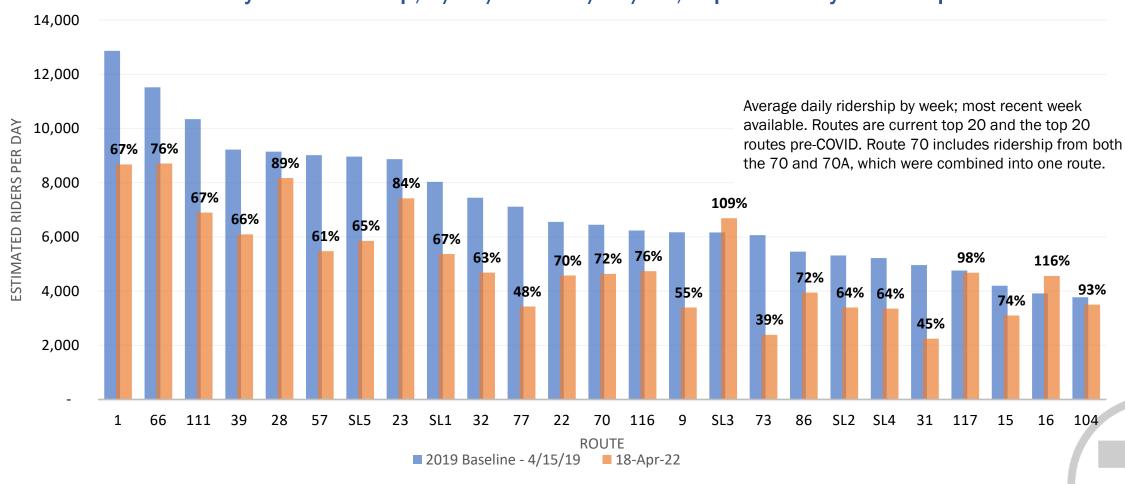
Total Daily Bus Riders - Last 60 Days



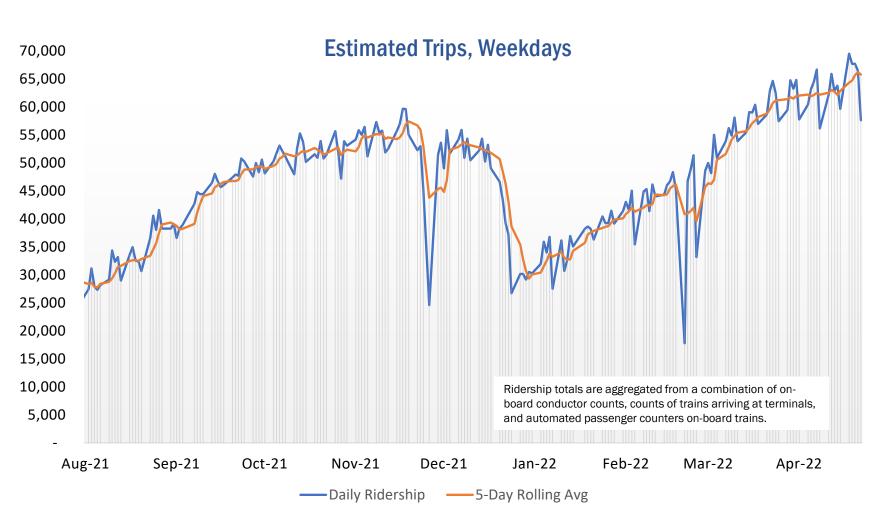
- Bus ridership was lower last week due to the school vacation.
- Ridership from
 Tuesday Friday of
 last week averaged
 243K riders per
 weekday last week, a
 decrease of 9% from
 the previous week,
 and about 30% below
 the 2019 baseline for
 this week.

Bus Ridership Top Routes

Daily Bus Ridership, 4/15/19 vs. 4/18/22, Top Routes by Ridership



Commuter Rail Ridership



- Ridership is now averaging about 66K unlinked trips per weekday:
 - o ~54% of the 2019 baseline
 - ~5% higher than the previous week.
- Set another pandemic-era "high."
- Thanksgiving Day is excluded.

COMMUTER RAIL LINE	Estimated Daily Ridership, Weekdays Apr. 18-22, 2022	Estimated % of 2018 Weekday CTPS Counts		
Fairmount	1,638	62%		
Fitchburg	4,000	43%		
Framingham/Worcester	12,050	65%		
Franklin	5,811	50%		
Greenbush	1,539	25%		
Haverhill	3,263	46%		
Kingston/Plymouth	2,989	49%		
Lowell	5,719	52%		
Middleborough/Lakeville	3,911	57%		
Needham	2,784	42%		
Newburyport/Rockport	8,096	54%		
Providence/Stoughton	13,985	54%		

Government Center Partial Garage Collapse & OL/GL Tunnels



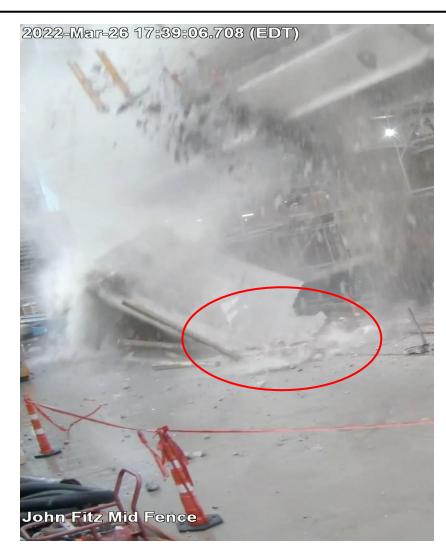
Government Center Garage Partial Collapse and Haymarket Service Recovery Timeline

Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
03.26	<u>03.27</u>		03.30, 03.31, 04.01				
MBTA implements service diversion at	f service for a weekend or the planned garage Garage demolition contractor started the installation of partially demolished		Partially demolished garage member stabilization work complete MBTA engineers and 3 rd party	Ongoing Activities Mar 30- Apr 5			
diversion for the planned garage demolition activities.				Contractor development and execution of debris pile. MBTA Engineering Analysis to			
At ~5:39 p.m., three large concrete T Beams fall uncontrolled from the 8 th and 9 th levels of the garage impacting the former Haymarket busway directly above the roof of the green line	MBTA forces and Mass. Aeronautics forces piloted a drone through the green and orange line tunnels to look for evidence of major structural damage such	structural engineers inspected the Orange Line tunnel and determined that the tunnel was safe for reopening	understand possible orders of magnitude of the forces on the tunnel and potential overstresses/damage scenarios (listed in next cell)		rs of n the tunnel s/damage		
tunnel.	l as mass-conause of the funders - none		Orange Line service resumed at ~4:40 p.m.				
04.02, 04.03, 04.04, 04.05				04.06	04.07	04.08	
Contractor development and execution of debris pile				Debris Pile		Proof (Load)	
MBTA Engineering Analysis to understand possible orders of magnitude of the forces on the tunnel and potential overstresses/damage scenarios, (Observe debris focused on topside damage. Underside inspection to identify damage that could be attributed to the collapse. Additional Engineering Analysis focusing on why we did not see significant damage. Developed a load testing protocol.)				removed from Green line Tunnel Roof		Testing of Green line Tunnel Roof	
04.09	04.10						
Proof (Load) Testing of Green Line Tunnel Roof. Proof Testing (Test Train) of Green Line tunnel structure under	Green Line service resumed at ~3:00 p.m.						
vibration from train operation.							

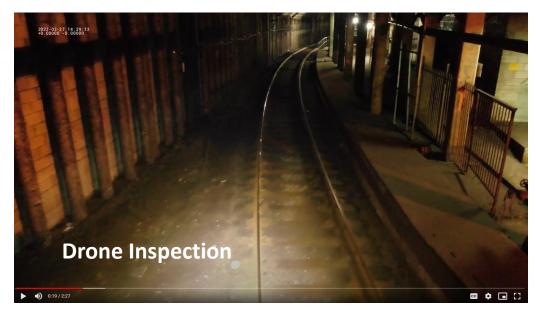
Government Center Garage Partial Collapse Description



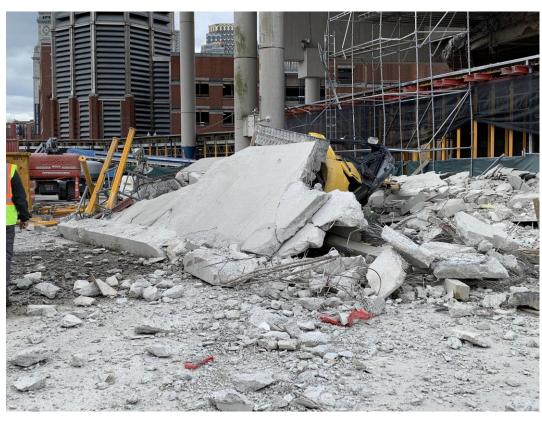
Impact 1



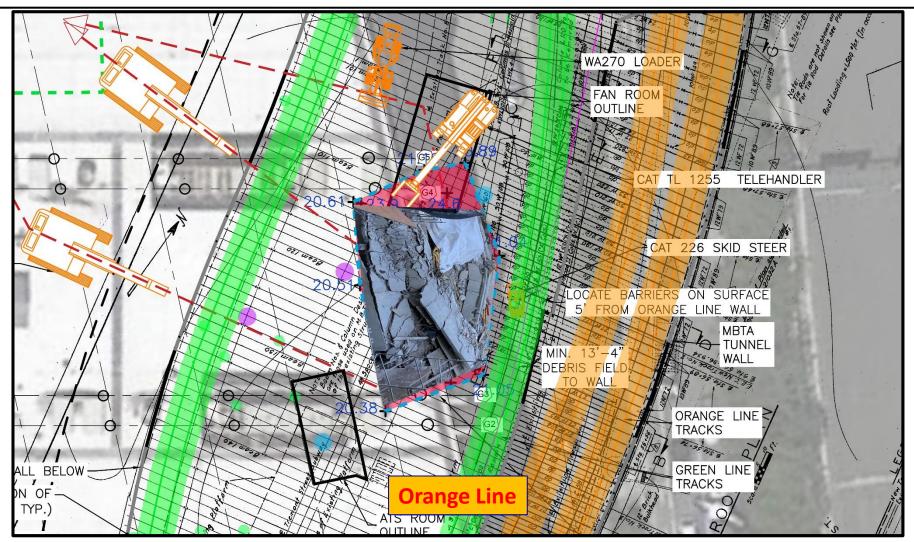
Impact 2







Debris Pile

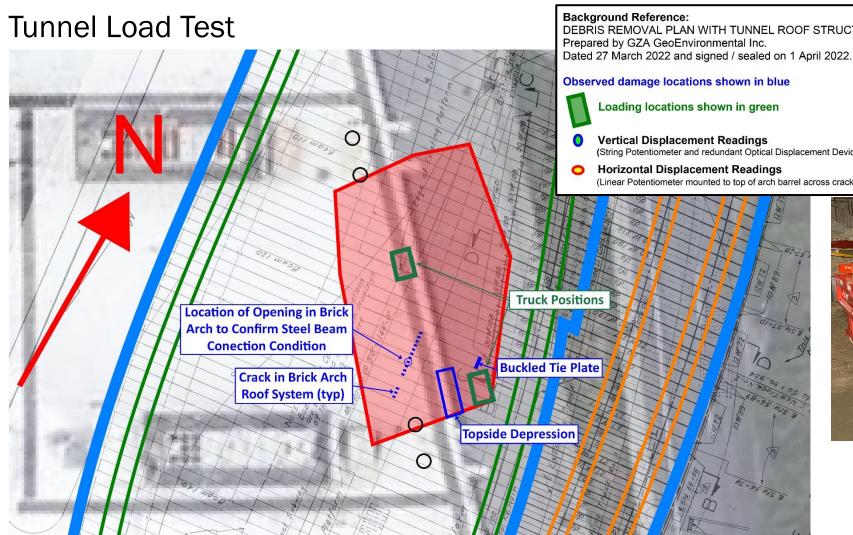


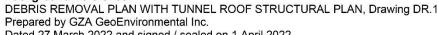
Tunnel Observations - Buckled Stiffener, Crack in Bricks at Splice





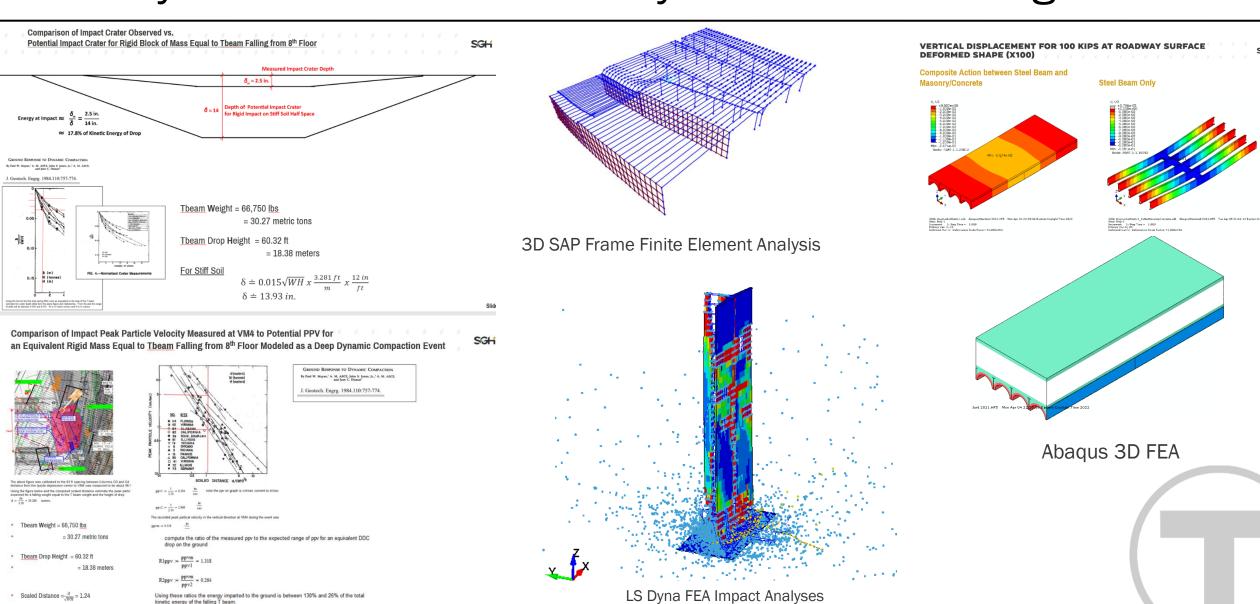
No notable damage attributable to collapse observed except one buckled stiffener and cracks in brick near initial impact locations





- (String Potentiometer and redundant Optical Displacement Device mounted to beam bottom flange)
- (Linear Potentiometer mounted to top of arch barrel across crack)





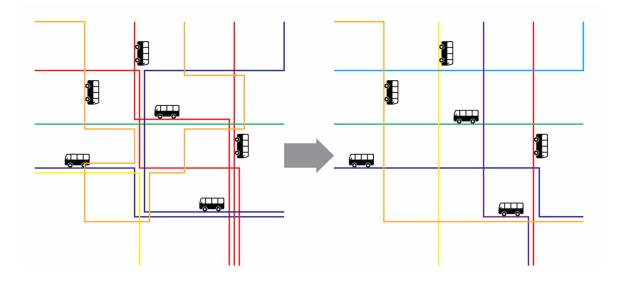
Proposed Bus Network Redesign



Proposed Bus Network Redesign

WHAT IS BUS NETWORK REDESIGN (BNRD)?

A complete re-imagining of the MBTA's bus network to better reflect the travel needs of the region and create a better experience for current and future bus riders.



WHY ARE WE DOING THIS?

The region has changed.

But our bus network has not changed with it.

Transit is essential to the region's economy. And the bus serves our most transit-dependent populations.

So, it is essential that our bus network adapts to change.

Proposed BNRD Highlights & Draft Network for Public Review

BUS NETWORK REDESIGN HIGHLIGHTS

- 25% increase in bus service across the network
- 70% increase in weekend service
- 275,000 more residents would be near high frequency service
 - 115,000 residents of color gain access to high frequency service
 - 40,000 low-income households will gain access to high frequency service

DRAFT NETWORK MAP FOR PUBLIC INPUT STARTS IN MAY

May 16: Draft network map will be available online: mbta.com/BNRD

May 19: Virtual Public Meeting Kick-Off (systemwide).

Ten additional Community Meetings will be held May 24 through July 18.

We are also planning for station outreach and street teams. Dates to be announced soon.

BNRD Public Outreach Activities

IN PERSON EVENTS

Locations

based on

ridership

- 10 Street teams
- 10 Station open houses
- 2 in-person events: 1 open house, 1 public hearing
- Targeted outreach w/ community groups
- Ongoing engagement with community orgs, municipal staff, electeds, bus operators, other key stakeholders

VIRTUAL EVENTS

- 7 Virtual
 meetings: 1
 systemwide, 6
 geographically-based
- 1 Virtual public hearing
- 3 Systemwide
 Virtual Meetings
 to report back on
 how finalizing
 map (fall 2022)
- Other events as needed

STAKEHOLDER BRIEFINGS

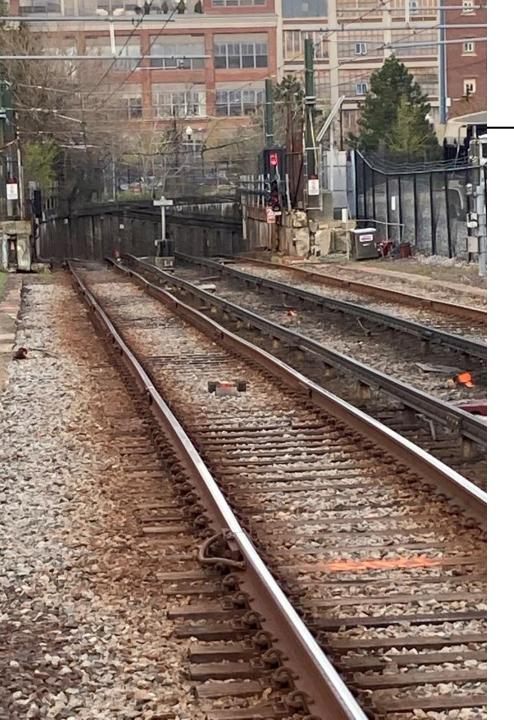
- 1-1 briefings with stakeholders (advocates, community groups, municipal planning staff, etc.)
- External Task Force meetings
- Metro Mayors meeting
- MBTA Caucus, Boston delegation, other electeds

MATERIALS & MARKETING

- Neighborhood booklets in 9 languages
- Flyers: 9 languages promoting events
- Input Questionnaire in 9
 languages
- Trip Planner update, mbta.com
- Paid print & radio ads, different languages
- Video (English & Spanish)
- Utilize all MBTA assets (digital, car cards, buses! etc.)
- Better Bus Project email listserv

Springtime Blue Line Diversions





Blue Line Surge 1

Airport to Bowdoin - April 25 through May 8

<u>Scope</u>

- Railworks: 1600' of full depth track replacement
- SPS (contractor): Leak/spall repair, asbestos abatement, drainage investigation at Aquarium
- Michael Baker: Tunnel inspections
- OCE consultant survey to inform BL Master Plan
- E&M Piggybacking on Diversion

Benefits

Increased reliability of Blue Line service





Blue Line Surge 2

Airport to Bowdoin - May 12 through May 29

<u>Scope</u>

- Suffolk Downs: Re-construct pedestrian bridge over tracks
- Wonderland: PVC conduit remediation
- Beachmont: Sidewalk repairs

Benefits

 Safety and state of good repair for Blue Line Operations

April/May/June Diversions Schedule





2022 Diversion Calendar (CY 2022 Q2)

Full Outage Weekend Diversion Single Track Weekend

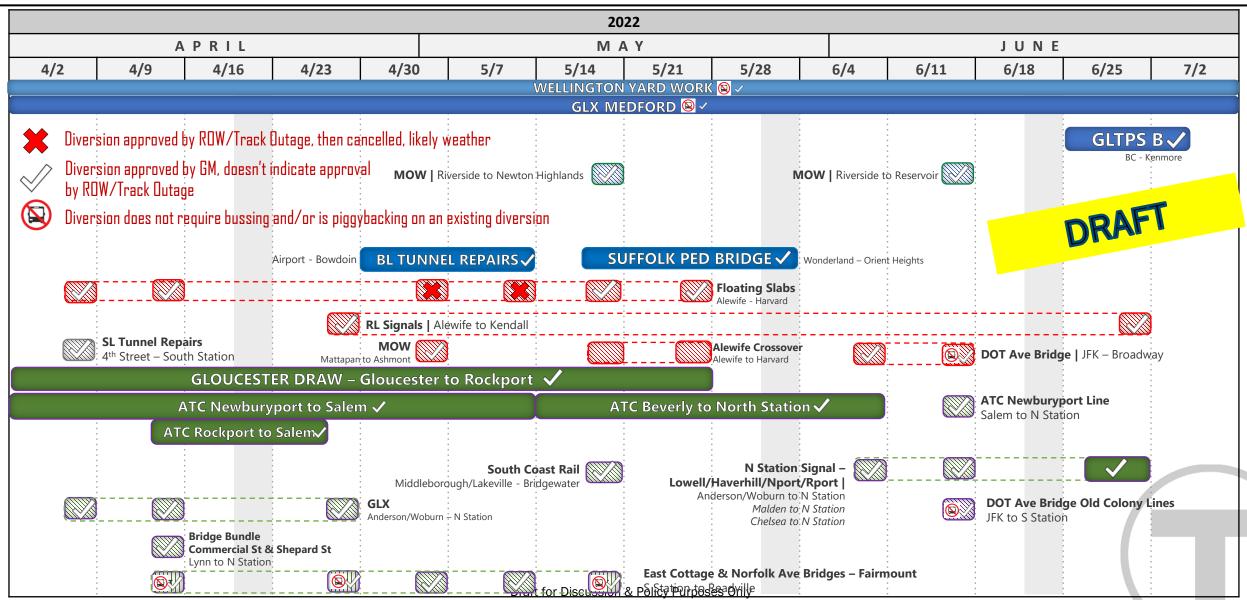
HOLIDAYS

Boston Marathon (Patriots Day) - 4/18 Memorial Day – 5/30

Juneteenth (US Open) - 6/19

CANCELLED DIVERSION APPROVED DIVERSION 🔯 NO BUSSING REQUIRED

Updated 4.29.22 Impact



One-Day Hiring Event



Bus Operator One-Day Hiring Event Apr. 5









18 OFFERS EXTENDED IN ONE DAY PLUS 91 FOR FOLLOW-UP! vs. 20 per month, typical.

- Registered attendees: 65. (281 registered 216 noshows)
- Add 44 walk-ins. Social Media and morning News!
- Interviews conducted: 109 ... (65+44)
- 109 Work Force Assessments (WFA) performed.
- 18 candidates with CDL

 conditional offer letters
 - 16 on-the-spot clinic appointments and eligible for hire April 25, 2 rescheduled.
- 91 without CDL will be contacted regarding CDP testing and CDL familiarization class
- Great teamwork production for staffing
 - Pride in work
 - Connect with candidates to truly understand customer service

Federal Grants Overview



MBTA Federal Grants Updates

Summary Federal Grants submitted, SFY2022

> Won \$23.9M

Awards Received 3

Applications in Development G

Awaiting Award Notification

RECENT WINS

- We won <u>2 discretionary awards</u> since March Audit & Finance Subcommittee Report
- FY2021 FTA Passenger Ferry Grant Program | Won \$3.9 million, catamaran overhauls
- FY2021 FTA Bus and Bus Facilities Program | Won \$5 million, Quincy Bus Maintenance Facility

WORK IN PROGRESS

- Six applications are in development with due dates ranging from May to November 2022
- Upcoming Submissions:
- <u>Due May 23</u>: Combined INFRA, MEGA, Rural Surface Transportation grant programs to the Multimodal Project Discretionary Grant Program
- <u>Due May 31</u>: Combined Low/No Emissions & Bus/Bus Facilities Programs
- Capital Investment Grant (CIG) submission for Green Line Transformation
- On March 16, the MBTA submitted a letter to FTA to request entry into the Project Development (PD) phase of the CIG Core Capacity Program for the Green Line Transformation Program.
- The letter was accepted on April 12 and FTA has 45 days to review and respond.
- If our application is accepted into PD, it would begin a two-year PD phase, followed by a Project Engineering (PE) phase, which results in a Full-Funding Grant Agreement (including match).

MBTA Bond Sale



Successful MBTA Bond Sale, Apr. 5

Sold \$295.17M AAA-rated Assessment Bonds

- •\$197.97M Refunding Bonds + \$97.2M New Money Sustainability Bonds.
- •Yields range 1.64% to 3.29%. Allin true interest cost is 3.60%.
- •Assessment Bond Trust Indenture changes for new investors will provide additional flexibility to MBTA: (i) lower additional bonds test, (ii) eliminated existing debt service reserve fund requirement.

MBTA Benefits from the Assessment Bond Transaction

- •Reduces refunded bonds debt service by ~\$84.4M (= \$30.68M PV), = 12.3% of the par amount of the refunded bonds. Predominant savings impact will be years 2025-2027.
- Allows for release of ~\$30.8M existing debt
 service reserve fund monies put into a defeasance account to reshape existing service.
- •Reduces the maximum annual debt service for Assessment Bonds from \$82.8M to \$69.7M million (despite the issuance of additional new money debt)
- Funds ~\$103.7M of Sustainability projects, CIP

US Open



MBTA Fares, Parking & Security for the U.S. Open

The MBTA has partnered with the USGA to provide parking, transportation, fare/media communication, website information and systemwide event promotion.

PARKING

- No general U.S. Open parking at the club and street parking is restricted.
- The MBTA offers parking for U.S. Open at <u>100 MBTA stations with parking</u> <u>facilities</u>...then take bus, subway, or Commuter Rail.
- The U.S. Open will reimburse the MBTA for all parking during the event at all MBTA lots. An MOU is being finalized.
- U.S. Open staff and attendees to use Rt. 128 Commuter Rail parking garage, take commuter rail to Forest Hills.



The <u>US Open</u> is **promoting the MBTA** on their website in the Fan Information, Parking & Transportation section to direct ticket holders to the T's US Open microsite.



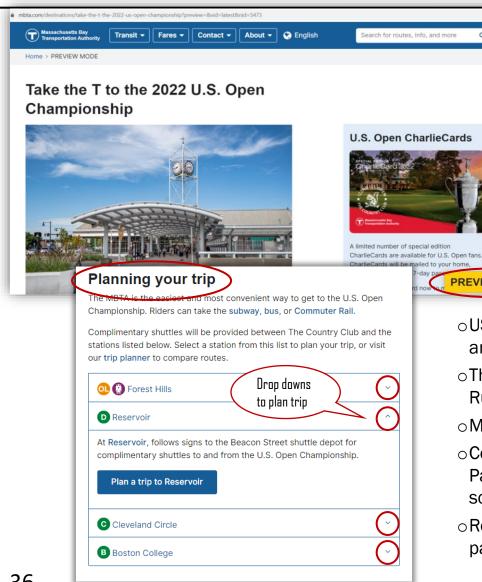
Limited edition, commemorative US Open CharlieCards with a One Day or Seven Day LinkPass. Distribution begins May 23 week.

SAFETY, SECURITY

- Extra MBTA staff and Transit
 Police will work at Forest Hills,
 Cleveland Circle and Reservoir or anywhere else needed.
- Transit Police have attended mtgs w/ Public Safety event coordination, municipalities and agency police depts.

"Take the T to the U.S. Open Championship"

哈 ☆ □



MBTA Web Page

The MBTA's Customer Technology team built a web page so riders can plan **ahead for the event.** Attendees can visit mbta.com/USOpen:

- To buy commemorative passes,
- To plan a trip to the tournament, and
- To learn more about safety and accessibility.

Similar model to existing web pages for other popular destinations, such as Fenway Park (mbta.com/fenway) and the Boston Marathon.

Transportation

- oUS Open will run two separate private shuttle bus routes (Yankee Bus Lines): from Forest Hills and from BC/Chestnut Hill/Reservoir to the event.
- o The Authority will run additional service throughout the event on the Orange and Green lines. Rush hour levels of service will be provided at key times during the event week.
- o MBTA Bus will run an early morning shuttle to pick up employees for the US Open.
- o Commuter Rail will run additional trains to support the lines that utilize 128 Commuter Rail Parking Garage. US Open will market the use of the Rt. 128 parking garage. Commuter rail schedules are being finalized.
- o Route 51 Bus Line will run a modified route + additional buses to accommodate the US Open passengers.

Community Outreach for March



Community Outreach – March 2022

Building Relationships



- Created relationship w Office of Neighborhood Services for the City of Boston; adding **MBTA** Community Engagement email updates to their neighborhood news.
- •Connected w/ 6 community organizations solely for relationship vs. projects.



Critical service needs input from Chelsea & Everett community orgs focus groups.



Initiated bi-monthly outreach with Quincy Chinese communities.



Created connections w 2 homeless youth orgs.



Socialized the Capital **Investment Plan Public Mtg** with every municipality. Various municipalities appreciated the invitation.

Structural Changes



Working to get flyers created for all systemwide public meetings to better share information. Followed w/ reminders.



Secured a dedicated line for verbal feedback to ensure access for all riders!



Standardizing support for other teams with respect to focus groups & public meetings/hearings.



Increased language access for all systemwide public meetings.

Meeting Attendance



Hosted the two of three CIP public meetings with >70 attendees per mtg.



Drove >50 attendance Fare Media Public Mtg. And Hosted the Spring **Service Changes Meeting** with >50 attendees



Consistently socializing public meetings, hearing and events with >500 community organizations!

Future-Looking



New DD of Community Engagement is attending various neighborhood association meetings to share upcoming public meetings, how to submit comments and locate MBTA job openings. Recruitment now includes community organizations.



Shared Apr 5 Job Fair with community organizations.



The goal is to build community-specific relationships, rather than project-specific.

With additional outreach resources just onboard. comprehensive efforts have commenced to implement structural change and ramp toward broadening community engagement.



Thank you!



