



# Massachusetts Bay Transportation Authority

## MBTA Update American Council of Engineering Companies

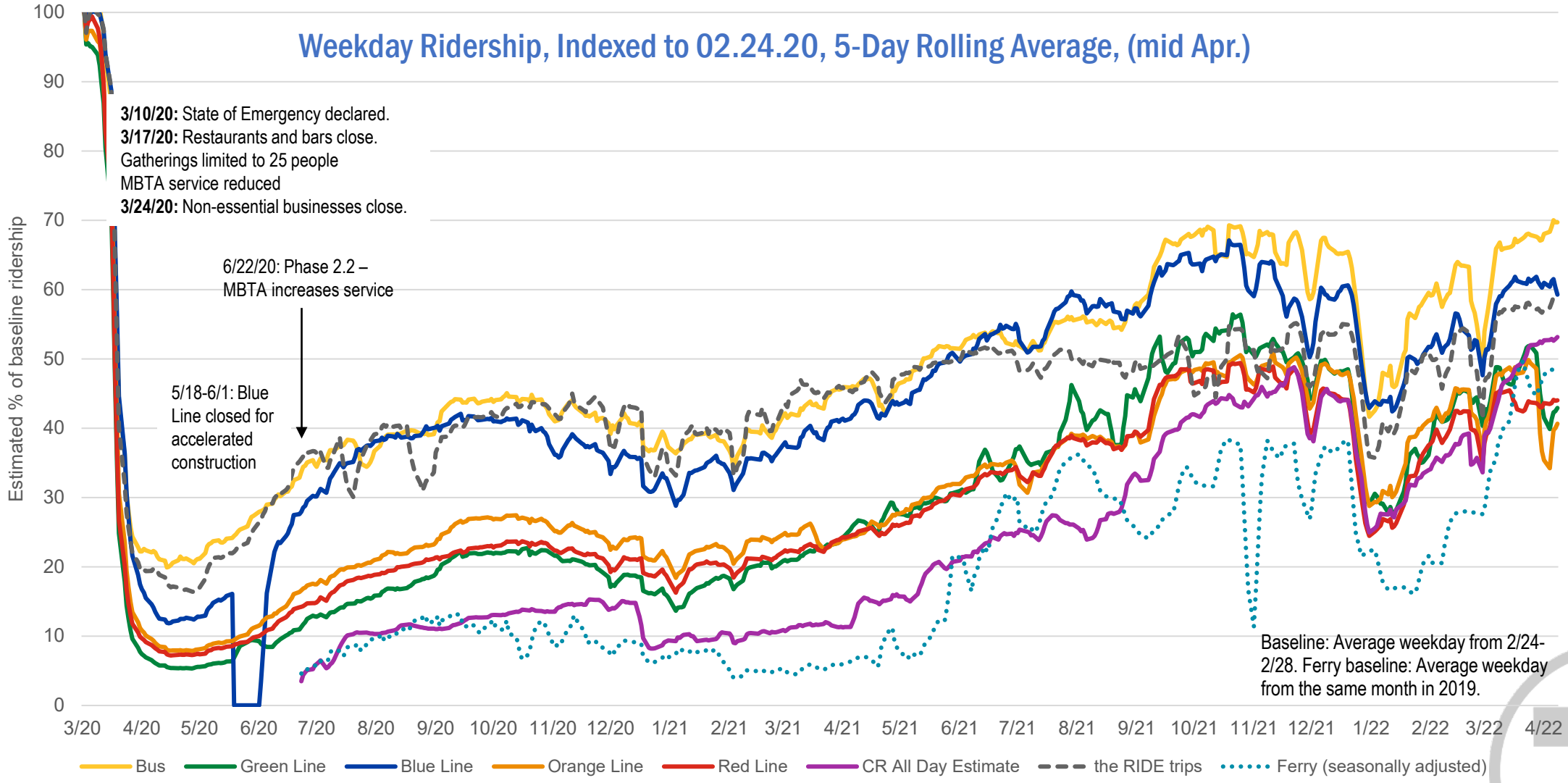
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Steve Poftak, MBTA General Manager

April 14, 2022

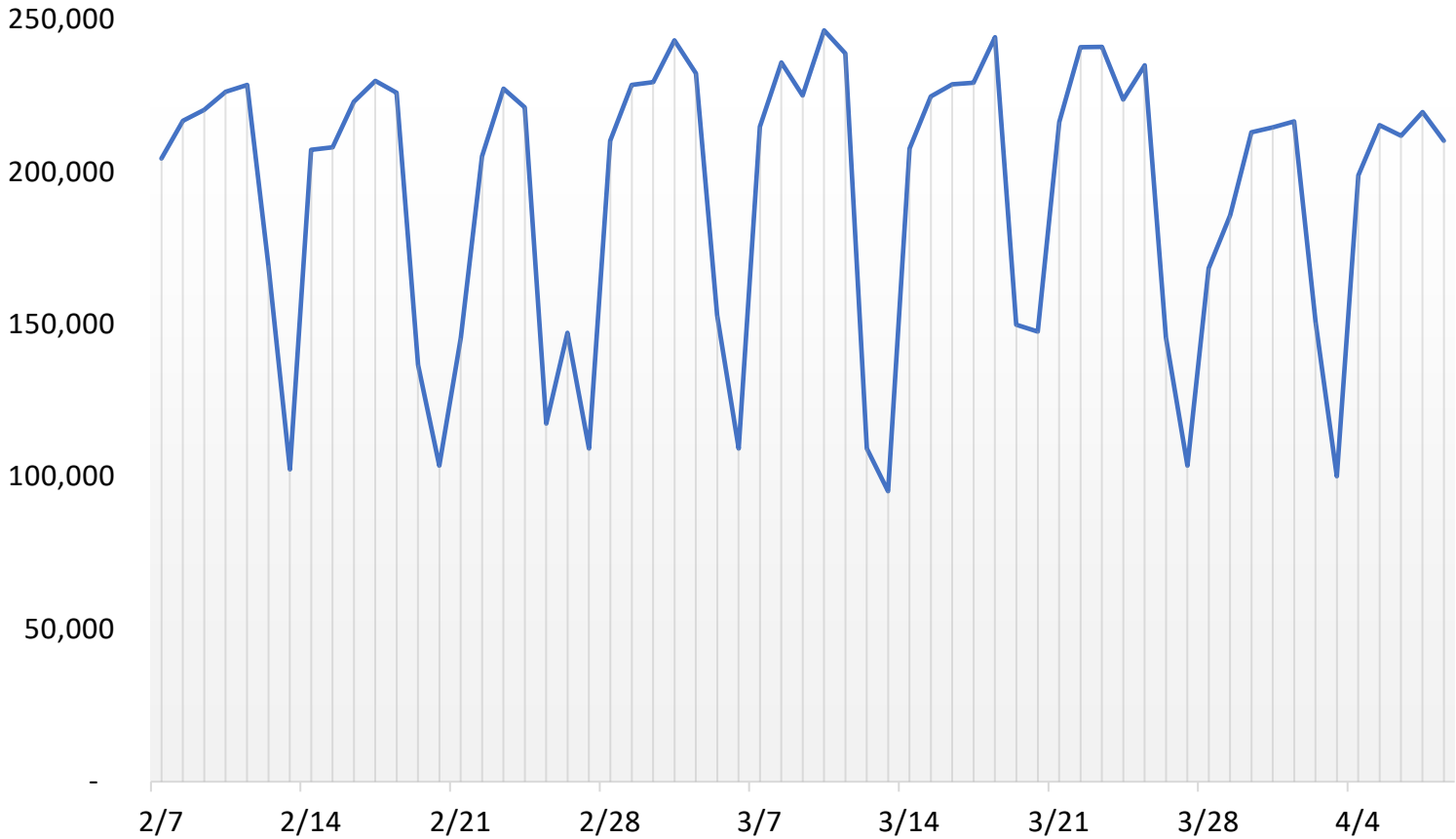


# Pandemic Impact - Ridership Trend



# Gated Rapid Transit Stations

Total Gated Stations Validations, Last 60 Days



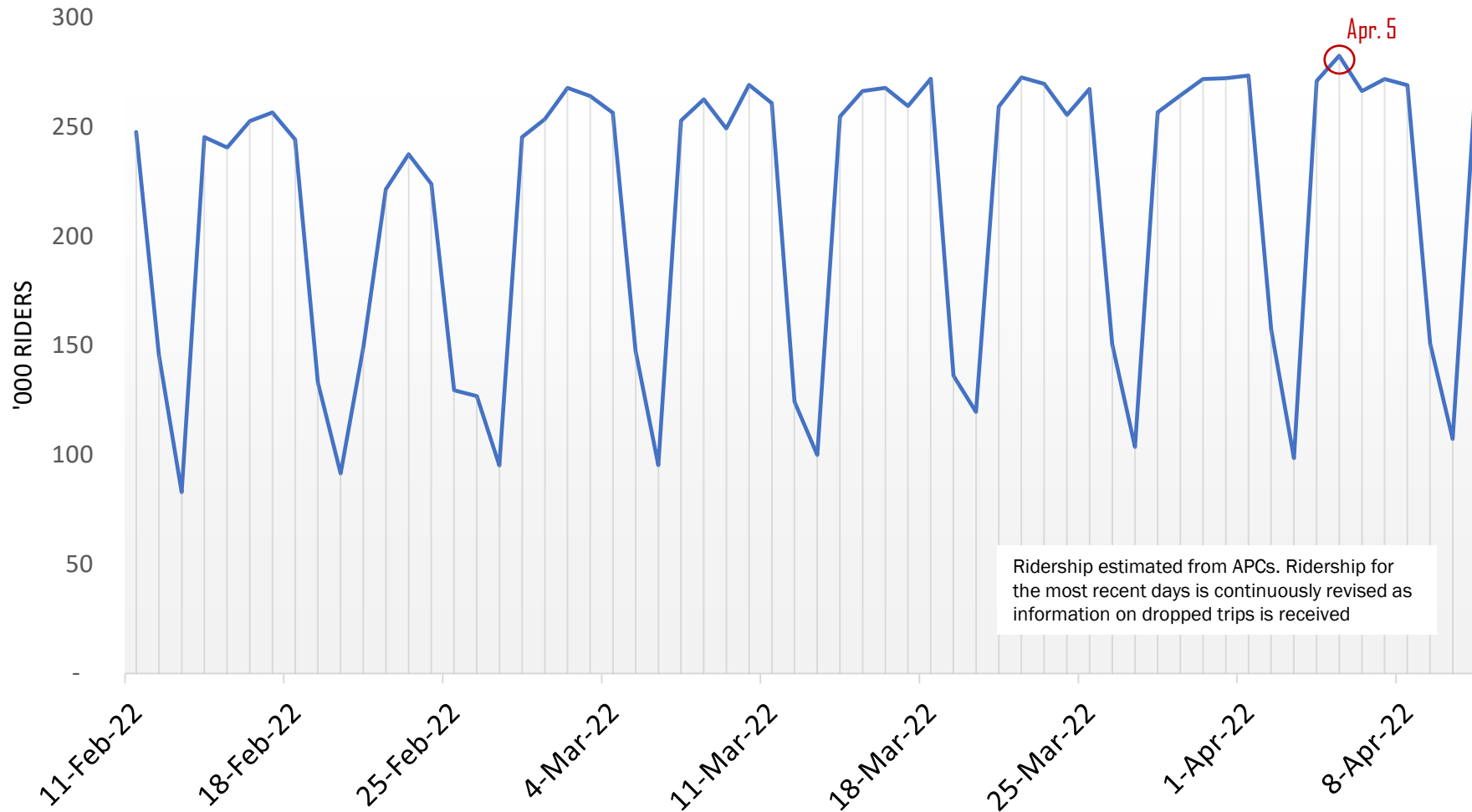
Subway gates averaged about 211K validations on weekdays (04/04/22), 5% increase from the previous week, aligned with trend once OL service resumed.

LINE	CHANGE IN VALIDATIONS
	Apr. 2019 weekday average vs. Apr. 4 - 8, 2022, weekday average
Blue	- 42%
Green	- 62%
Orange	- 60%
Red	- 57%
<b>Total Gated Stations</b>	<b>- 57%</b>



# Bus Ridership Trends

## Total Daily Bus Riders - Last 60 Days

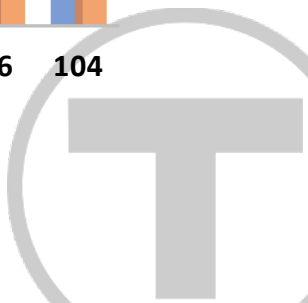
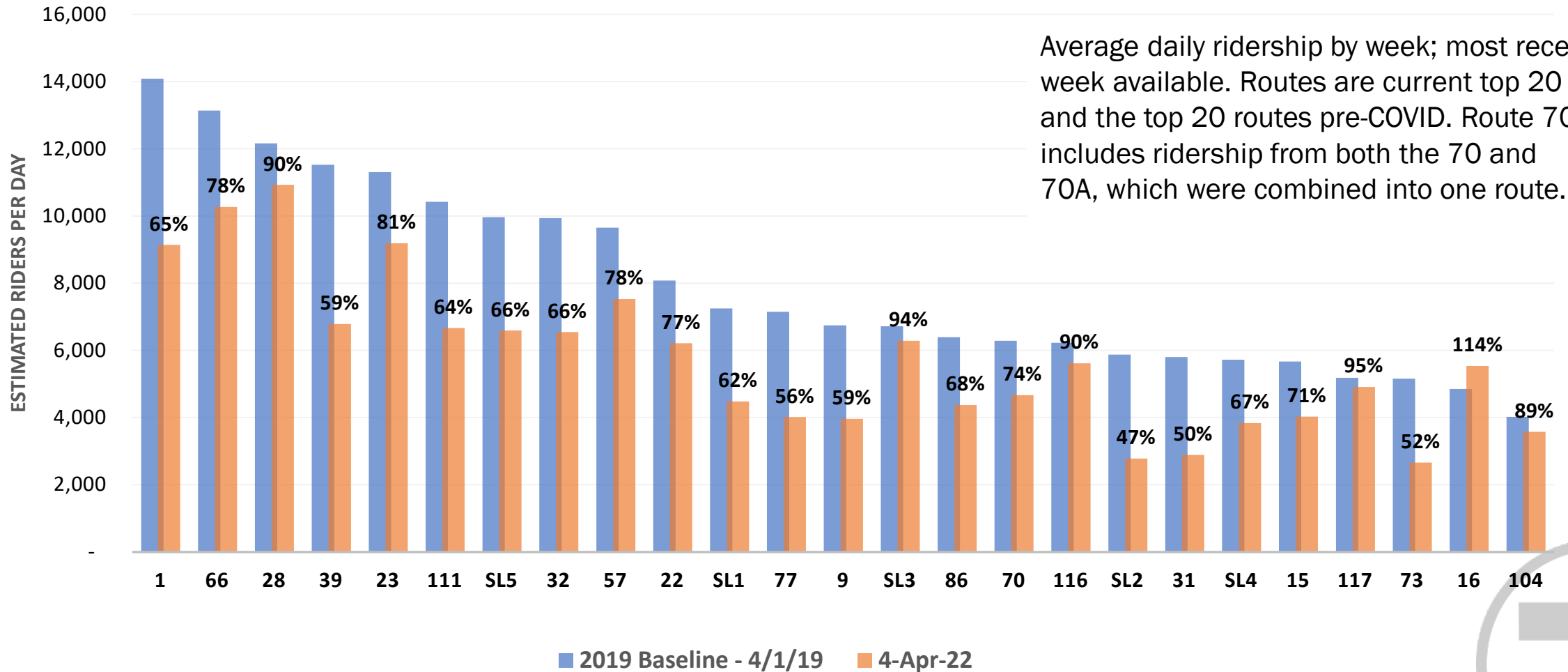


- Bus ridership last week averaged 272K riders per weekday, 2% increase from the previous week.
- Bus ridership is ~67% of the 2019 pre-pandemic baseline.
- Bus ridership set a new COVID-era high Tuesday 4/5 with 283K riders.



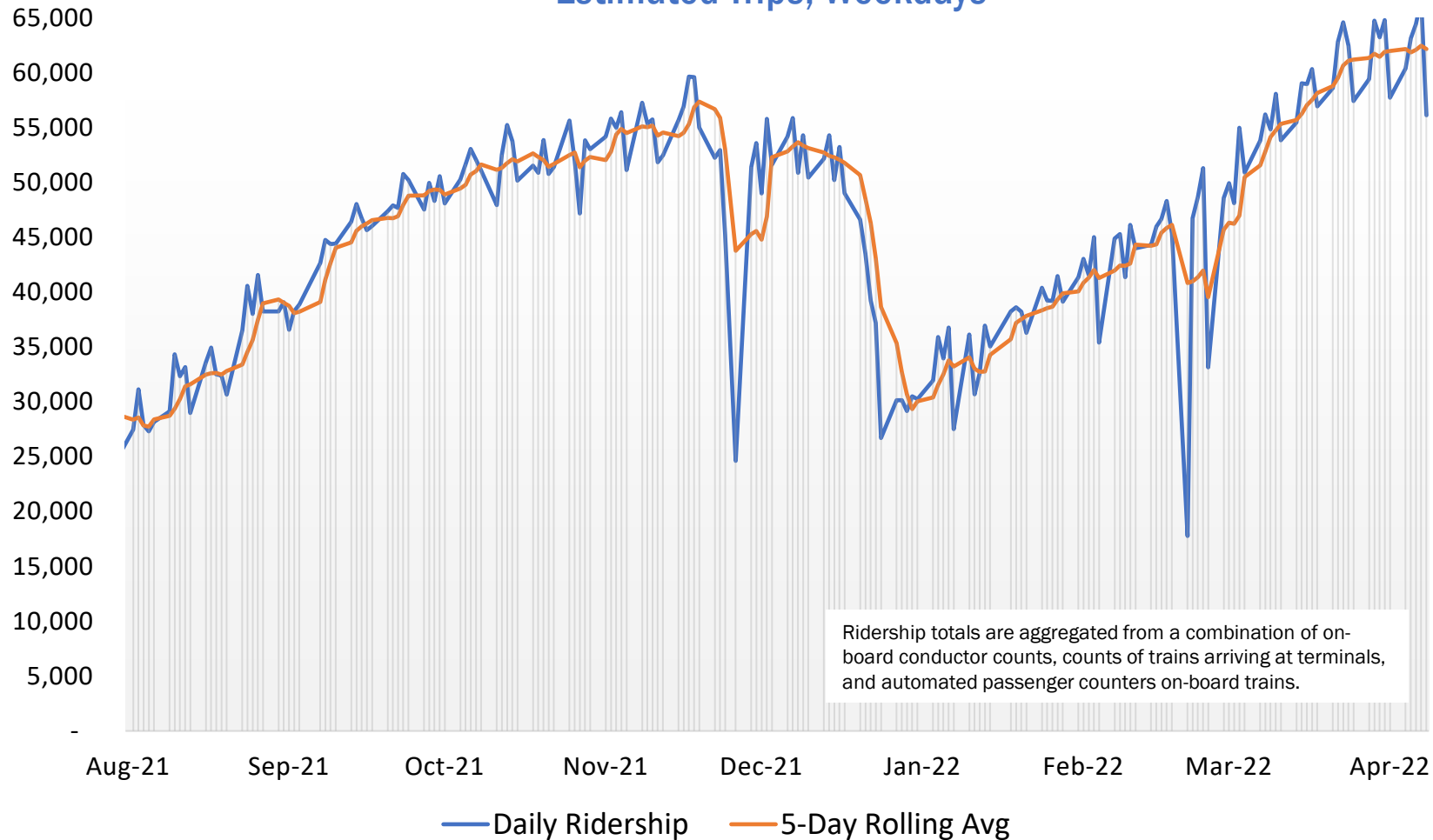
# Bus Ridership Top Routes

## Daily Bus Ridership, 4/1/19 vs. 4/4/22, Top Routes by Ridership



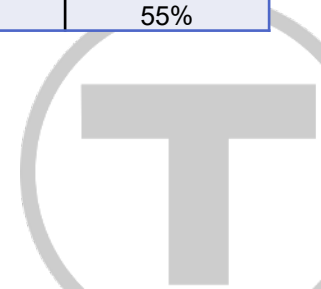
# Commuter Rail Ridership

Estimated Trips, Weekdays



- Commuter Rail was steady with the previous week and averaged about 62k trips per weekday.
- This is ~50% of pre-pandemic baseline.
- Thanksgiving Day is excluded.

COMMUTER RAIL LINE	Estimated Daily Ridership, Weekdays Apr. 4 -8, 2022	Estimated % of 2018 Weekday CTPS Counts
Fairmount	1,863	70%
Fitchburg	3,743	40%
Framingham/Worcester	7,521	40%
Franklin	5,320	46%
Greenbush	2,061	34%
Haverhill	3,364	47%
Kingston/Plymouth	3,733	61%
Lowell	4,964	45%
Middleborough/Lakeville	3,940	57%
Needham	3,495	52%
Newburyport/Rockport	7,952	53%
Providence/Stoughton	14,219	55%



# Recent Selections

*Firm has been selected & contract process is underway*

## **SOUTHWEST CORRIDOR 6 Years. PM/CM engaged in negotiations.**

Design & engineering services for OL Southwest Corridor modernization. Establish state of good repair and reliability of the transit rail systems, incl. track geometry, structural repair, fire-life-safety, system accessibility, extreme weather and climate change resiliency, drainage systems and stormwater management.

## **RADIO P25 PROJECT 4 Years. PM/CM engaged in negotiations.**

PM/CM services to support the CCTRB design-build project (\$55M conceptual level construction cost estimate). Services include multi-disciplined Engineering (i.e., signal systems, communications systems, civil, structural, electrical, mechanical); Environmental Approvals and Permitting; Contract Management Assistance; Scheduling; QC/QA; Construction Systems and Methods; Construction Planning; Construction Staging and Constructability; Construction Cost Estimating; Design Phase Services; Construction Phase Services; and Testing and Commissioning Phase Services.

## **OR for RADIO P25 PROJECT 4 Years. PM/CM engaged in negotiations.**

Assist MBTA compliance with Chapter 30, Sec. 39M<sup>1/2</sup> of the General Laws of Mass. Satisfy Sec. 39M<sup>1/2</sup> requirements. Provide an approach for the Owner's Representative for the CCTRB Project.

## **COMMISSIONING GEC 5 Years. Award package prep underway.**

Oversee design, installation, testing, and maintenance of all components, materials, and systems to aid the MBTA in finalizing construction in any MBTA-owned facility (incl. transit stations, bus facilities, related infrastructure). Task order basis to manage and coordinate the activities required to complete all contract tasks for all phases of the Project as a Commissioning Agent and as deemed appropriate by the MBTA and supported via LEED Certification guidelines, Envision Certification and the MBTA Bus Modernization Design guidelines (incl. fire protection, HVAC, mechanical, electrical, plumbing, and architecture).



# Procurements in Process

*Firm has been selected & contract process is underway*

## **RED/BLUE CONNECTOR 3 Years. Selection package routing for signature.**

Provide prelim engineering and environmental reviews, incl. alternatives analysis and environmental review, federal funding program review, and internal/external coordination. Must exhibit depth of experience and expertise in the design and construction of tunnel, power, signals, track, structures, transit facilities and resilient station design.

## **GEC for BUS INFRASTRUCTURE IMPROVEMENTS PROJECTS 3 Years. Advertised. SOQ due 4/14.**

Scope of Services includes but is not limited to designing infrastructure improvements related to Bus lanes, bus stop accessibility and general bus corridor improvements.

## **ARBORWAY BUS MAINTENANCE FACILITY 5 Years. Shortlist package being prepared – awaiting final RFP.**

Soliciting 15% through 100% Design Phase, Bid Phase and Construction Phase Services for the Arborway Bus Maintenance Facility. Design a single, fully enclosed building to store and maintain approximately 200 40- and 60-foot battery electric buses.

## **MATTAPAN TRANSFORMATION 3-1/3 Years. Award package routing for signature.**

The MBTA Office of the Chief Engineer (OCE) and Green Line Transformation (GLT) are soliciting Design (0%-100%) and Construction Phase Services (CPS) for the Mattapan Transformation Program, incl. implementing state of good repair and accessibility improvements to all stations and facilities, power infrastructure improvements, corridor bridges strengthening, corridor drainage improvements, and other infrastructure improvements along the Mattapan HSL Corridor consistent with existing PCC vehicle operation, and conversion to modern light rail vehicles.





# Upcoming Procurements

Project details will be established upon receipt of the advertisement packages for each procurement.

- **OR GEC Services for Transit and Facilities**  
PM preparing advertisement package.
- **Bridge Design GEC – OCE/CP**  
PM preparing for advertisement
- **Office of the Chief Engr IEP (infrastructure, engineering & planning) GEC Procurement**
- **OCE (Asset Group) GEC Procurement**
- **Blue Hill Ave Bus Lane Design**  
PM preparing for advertisement



# Dual MBTA / ACEC Initiatives

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DEI training



DBE work sessions



Invitation forthcoming to participate in industry focus group on project delivery (May/June)



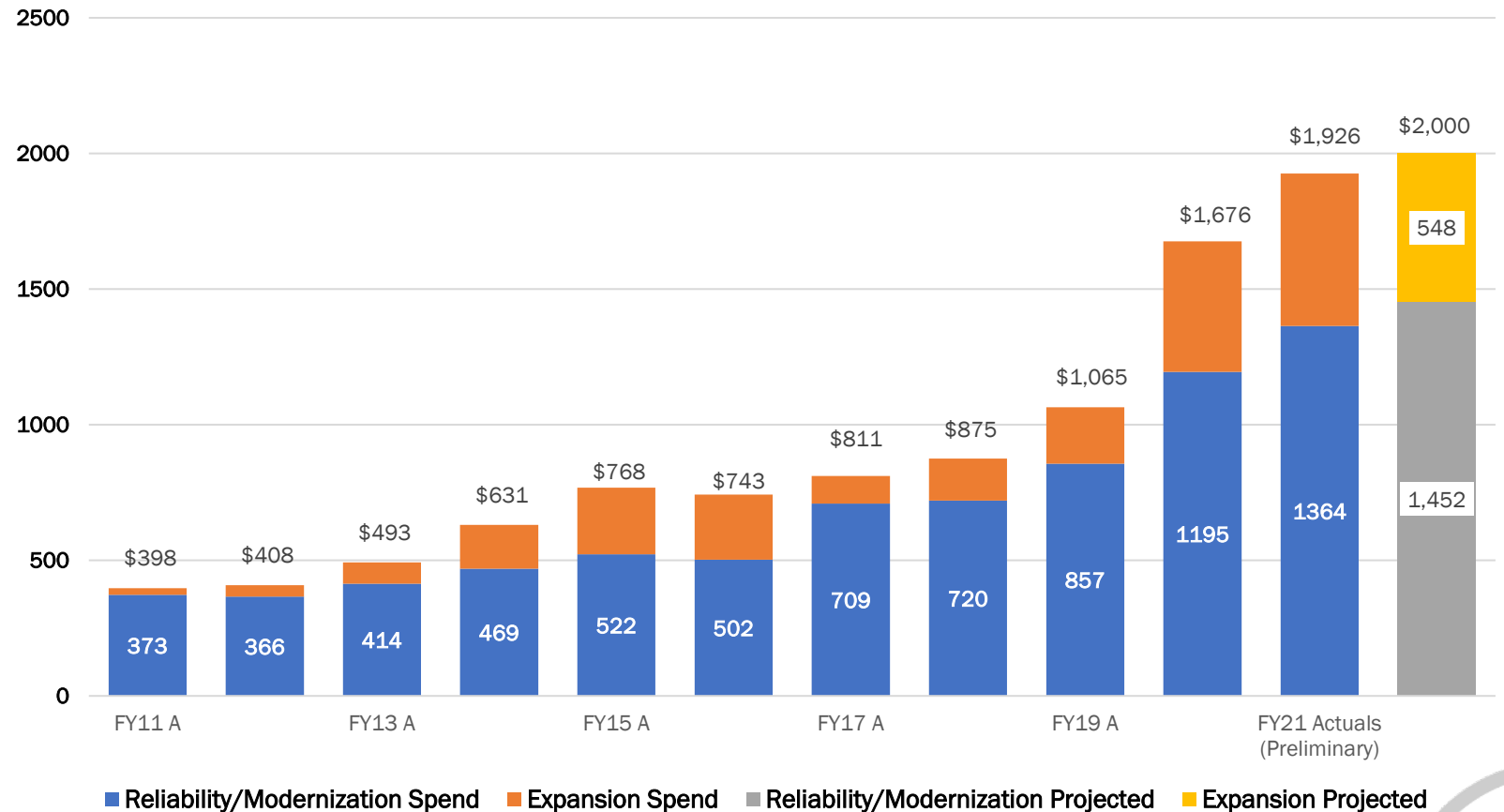
Ongoing partnering meetings



# MBTA Capital Investment by Fiscal Year

The capital program exceeded its FY2021 goal of \$1.75 billion in total investment by \$176M, an increase of 15% over last year's record setting total.

The spending goal for FY2022 is \$2.0B, with \$1,452M in Reliability/Modernization and \$548M in Expansion



**Thank you!**

