



**Massachusetts Bay
Transportation Authority**

GM Report to the Board

Phil Eng, MBTA General Manager and CEO

February 29, 2024



FY25 Transportation Investments



Leadership Meetings in Washington, DC



White House Roundtable on Clean Bus Manufacturing, in coordination with FTA and APTA Transit



Feb. 15 Power Disruption



Typical Lead Splice
(cable preparation & oil stops)

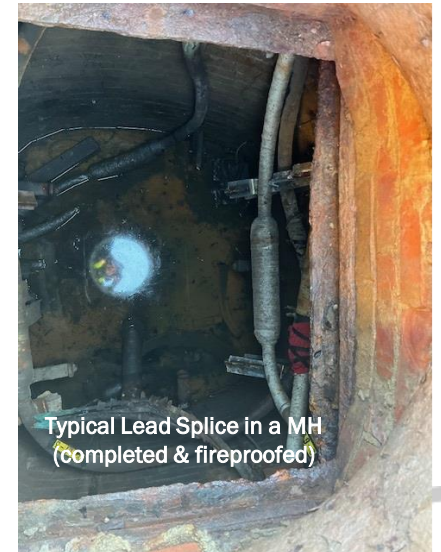
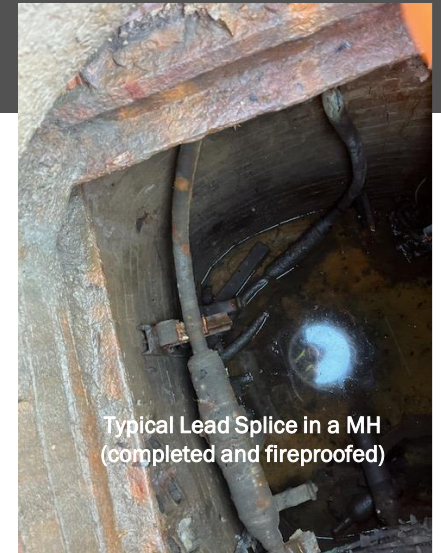
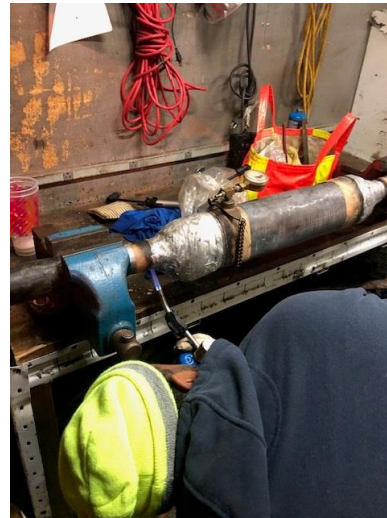
Typical Lead Splice
(cable/phase connections)



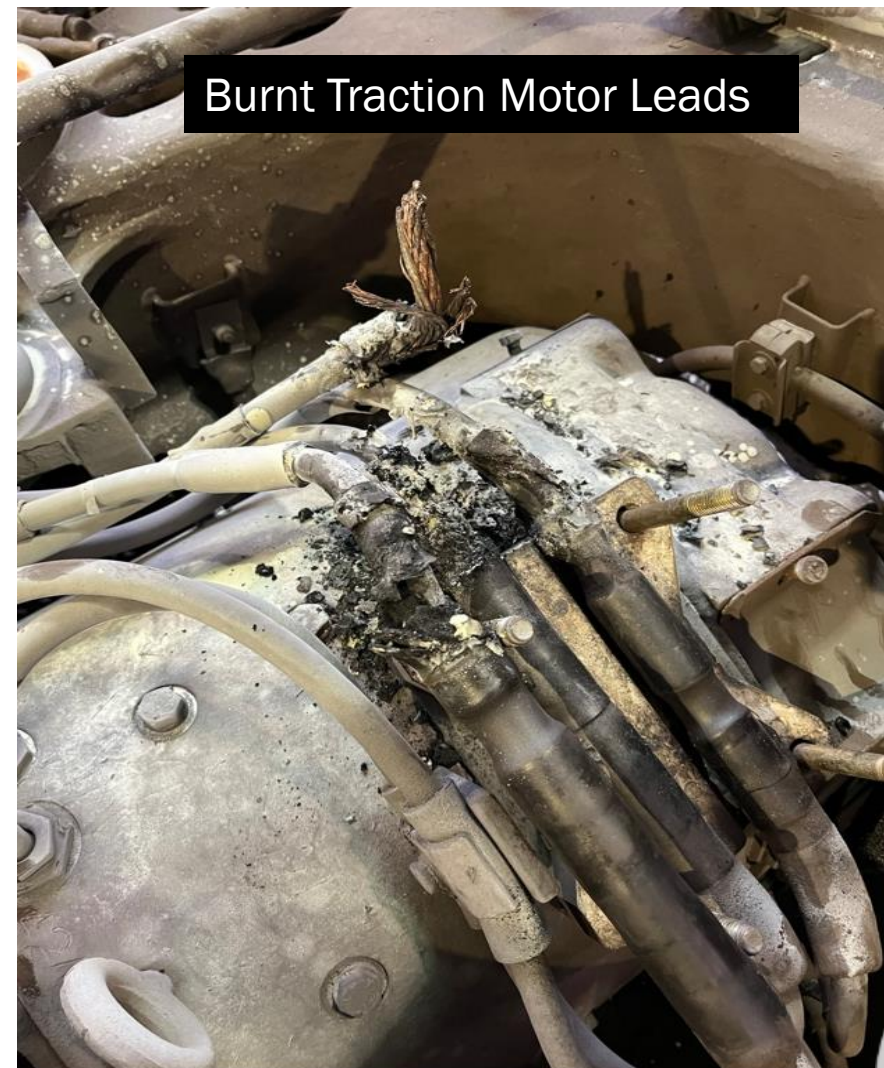
Typical Lead Splice
(phase isolation & insulation)



Typical Lead Splice
(completed w lead sheath)



Feb. 21 Red Line Thermal Event at Kendall Northbound



FTA Approves CAP 7 Closure

As part of our response to
SMI Special Directive 22-4

MOW Reporting to
Leadership



U.S. Department
of Transportation
Federal Transit
Administration

Headquarters

1200 New Jersey Avenue, SE
Washington, DC 20590

SENT VIA EMAIL

February 9, 2024

Mr. Phillip Eng
General Manager
Massachusetts Bay Transportation Authority
10 Park Plaza
Boston, MA 02116

Subject: Response to Closeout Request for FTA-TRA-22-007 (Maintenance-of-Way Reporting to Executive Leadership)

Dear Mr. Eng:

On December 21, 2023, the Massachusetts Bay Transportation Authority (MBTA) submitted a Corrective Action Plan (CAP) closeout request for FTA-TRA-22-007 (Maintenance-of-Way Reporting to Executive Leadership). The MBTA developed this CAP as part of its response to interim findings issued in Special Directive (SD) 22-4: Track Maintenance from the Safety Management Inspection (SMI) initiated by the Federal Transit Administration (FTA) in April 2022.

Closeout Approval for FTA-TRA-22-007 (Maintenance-of-Way Reporting to Executive Leadership)

MBTA's CAP for FTA-TRA-22-007 includes seven action items, approved by FTA on August 10, 2022, to address the following SD 22-4 finding and required action:

- **Finding 7:** MBTA's Maintenance-of-way (MOW) department is not providing prioritized and actionable information to Executive Leadership regarding the condition of MBTA's assets and infrastructure.
- **Required Action (FTA-TRA-22-007):** MBTA must develop and implement a process and reporting procedure that accurately communicates the number, severity, and significance of MOW defects to Executive Leadership.

To implement this CAP, between August 10, 2022, and December 21, 2023, MBTA undertook the following CAP action items and submitted documentation regarding their completion:

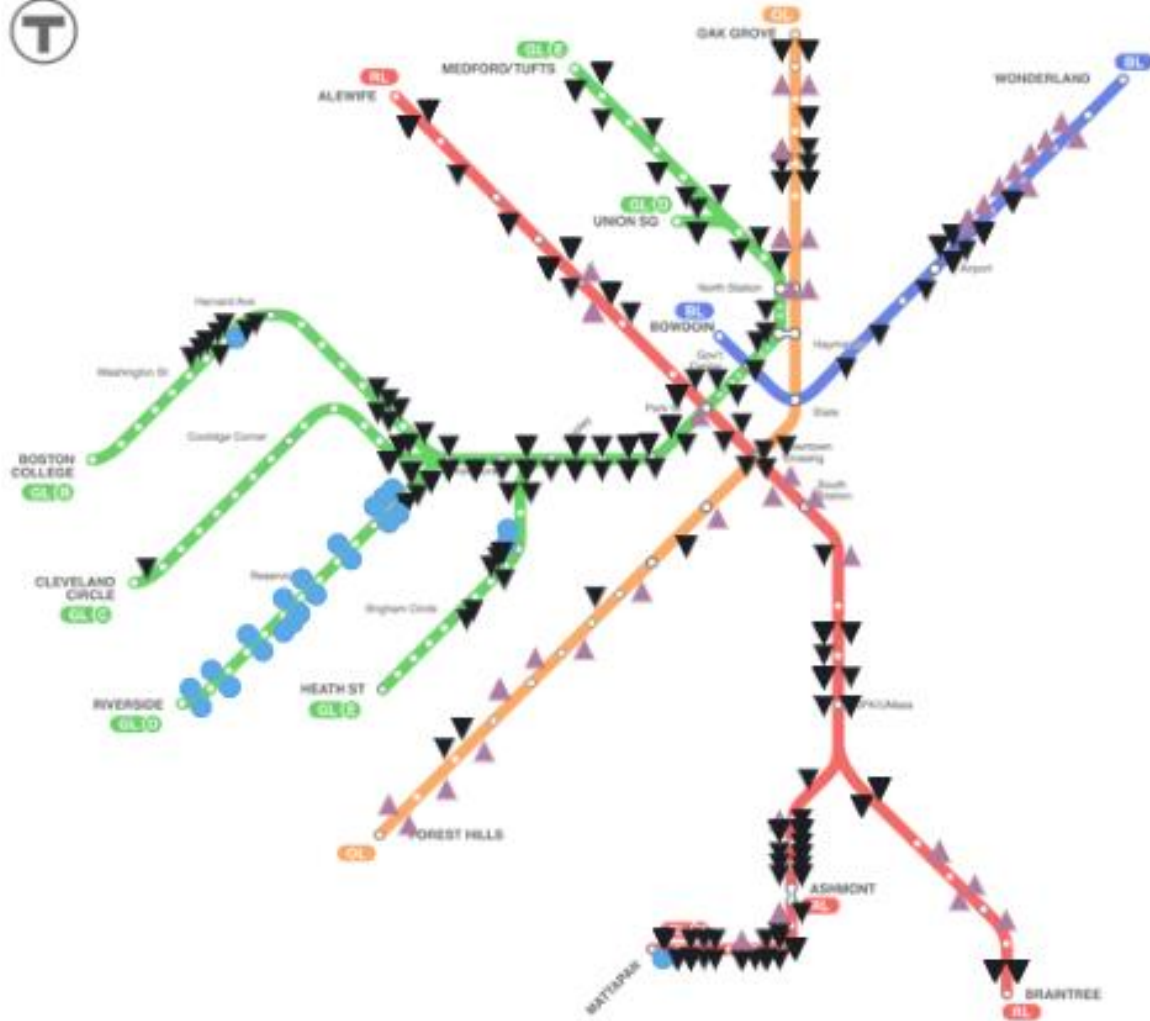
- developed leading track condition key performance indicators (KPIs);
- developed a process for collecting track condition data and ensuring transparency;



Track Improvement Program 2023-2024 | Timeline

Alternative Service Limits	Speed Restrictions	Modeled Time Savings (mins)	Diversion Duration (days)	2023		2024												
				NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
A	Harvard to Central	<input checked="" type="checkbox"/>	1	1.7	Wknd													
B	JFK/UMass to Park St	<input checked="" type="checkbox"/>	6	2.7	EA/Wknd													
A	Oak Grove to North Station	<input checked="" type="checkbox"/>	2	1.9	EA/Wknd													
A	North Station to Kenmore, Heath, Babcock	<input checked="" type="checkbox"/>	10	4.3	9													
B	Riverside to Kenmore	<input checked="" type="checkbox"/>	20	9.2	10													
1	North Station to Lechmere		2	1.8	14													
2	North Station to Kenmore, Heath, Babcock	<input checked="" type="checkbox"/>	15	8.7	21													
3	Copley to St. Mary's, Babcock, Brookline Hills		9	4.2	18													
4	Boston College to Kenmore		7	1.7	10													
5	Cleveland Circle to St. Mary's		1	0.1	6													
1	Oak Grove to North Station		13	1.7	6													
2	Wellington to North Station		5	4.3	9													
3	Sullivan to Back Bay		6	2.3	10													
4	Haymarket to Jackson Sq		2	1.3	4													
5	Back Bay to Forest Hills		15	4.8	11													
1	Alewife to Harvard	<input checked="" type="checkbox"/>	9	6.5	9													
2	Alewife to Kendall		9	4.0	16													
3	Harvard to Park		3	0.8	6													
4	Kendall/MIT to Broadway		8	3.7	6													
5	Park to JFK/UMass		8	2.6	8													
6	Broadway to North Quincy		4	2.7	6													
7	JFK/UMass to Braintree		22	9.1	16													
1	Airport to Wonderland		12	5.3	12													
2	Bowdoin to Airport		2	0.7	Night Orders													

Map as of 09/27/2023



MBTA speed restriction status

Restriction Distance

36.0 mi

9/27/2023

Restricted Track Percent

26%

9/27/2023

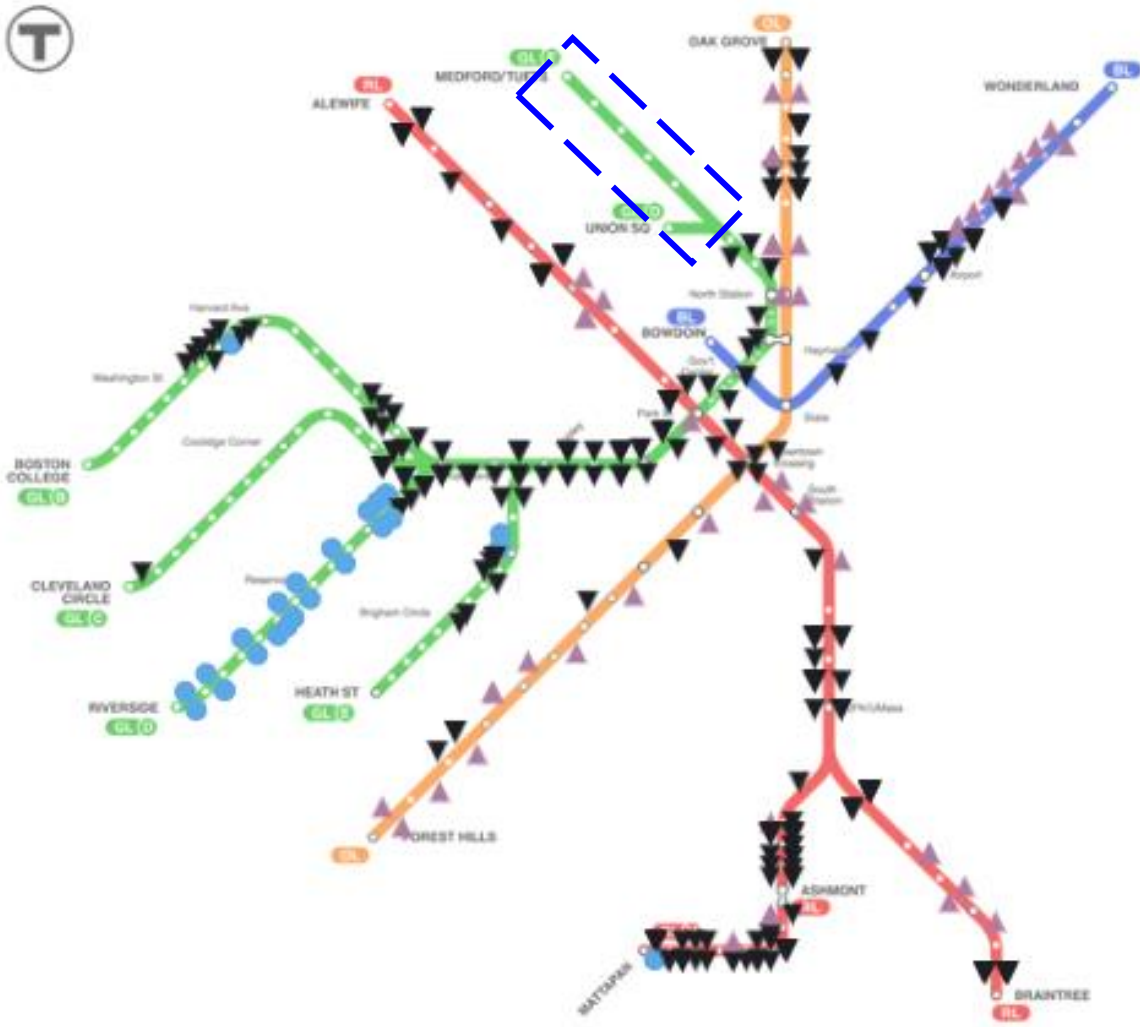
Restriction Count

240

9/27/2023



Map as of 10/10/2023



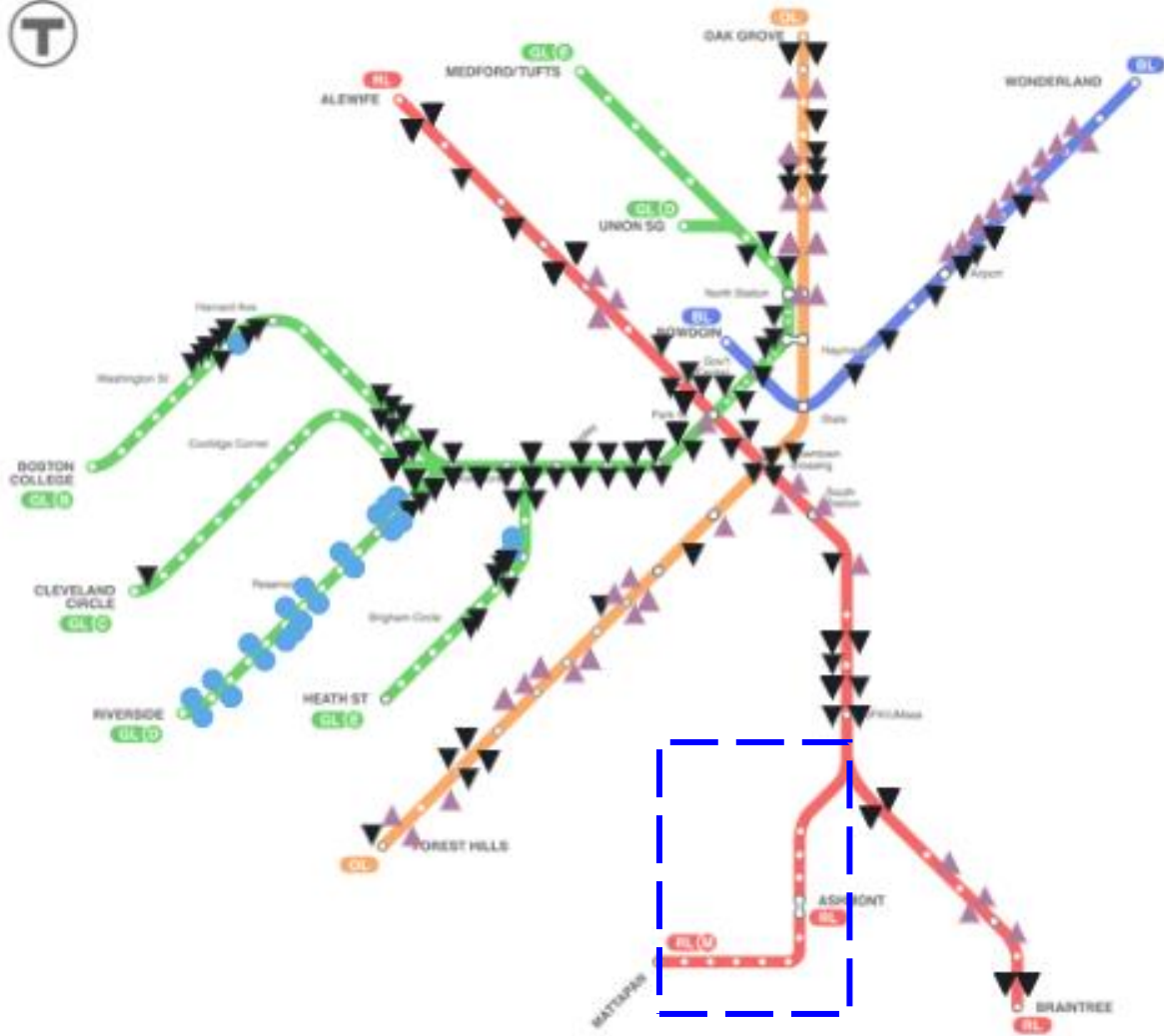
MBTA speed restriction status		
Restriction Distance	Restricted Track Percent	Restriction Count
34.9 mi 10/10/2023	26% 10/10/2023	225 10/10/2023

Green Line Extension

of Restrictions lifted
240 to 225 as of 10/10



Map as of 10/29/2023



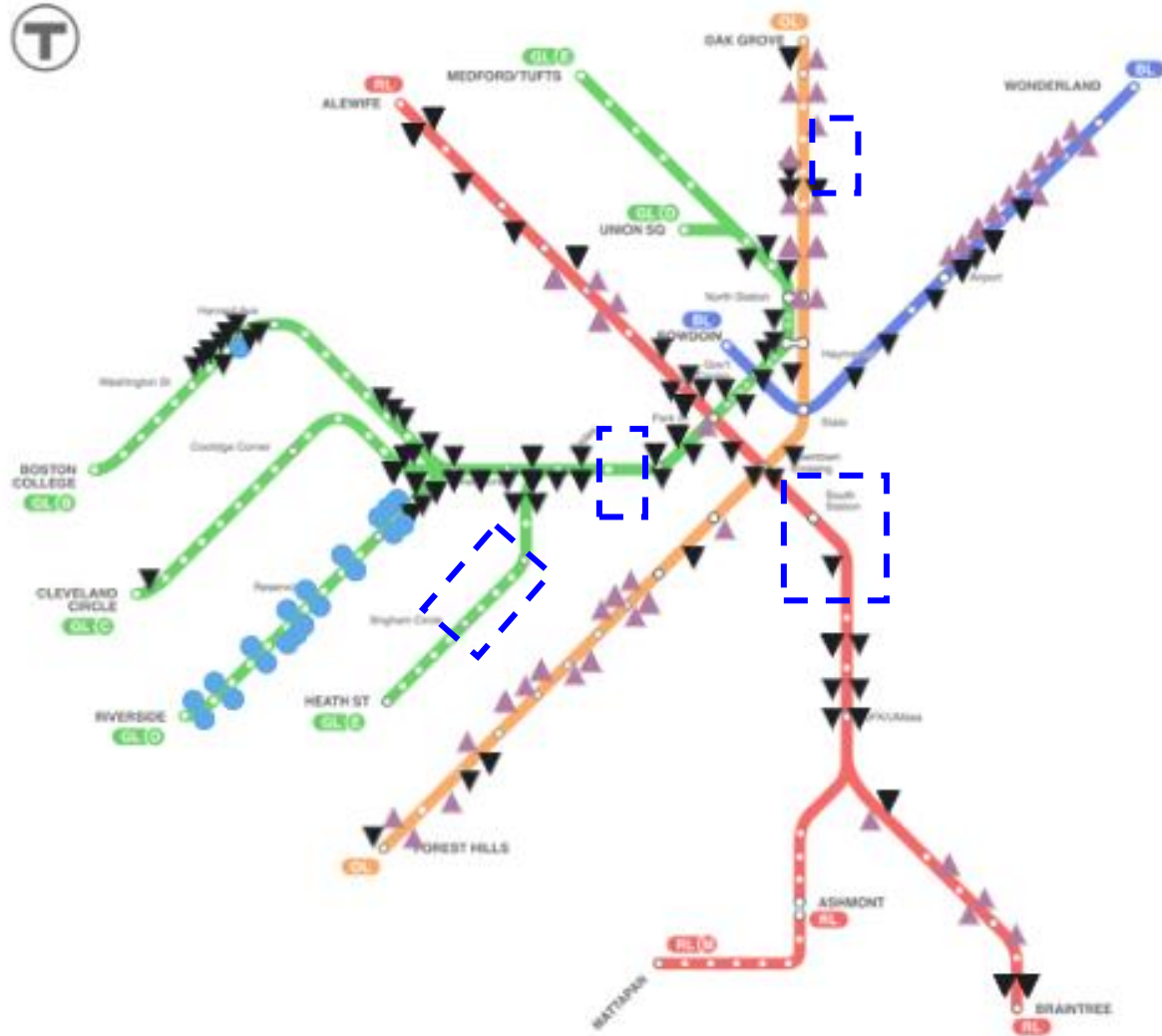
MBTA speed restriction status		
Restriction Distance	Restricted Track Percent	Restriction Count
31.6 mi	23%	194
10/29/2023	10/29/2023	10/29/2023

Ashmont / Mattapan

of Restrictions lifted
225 to 194 as of 10/29



Map as of 12/05/2023



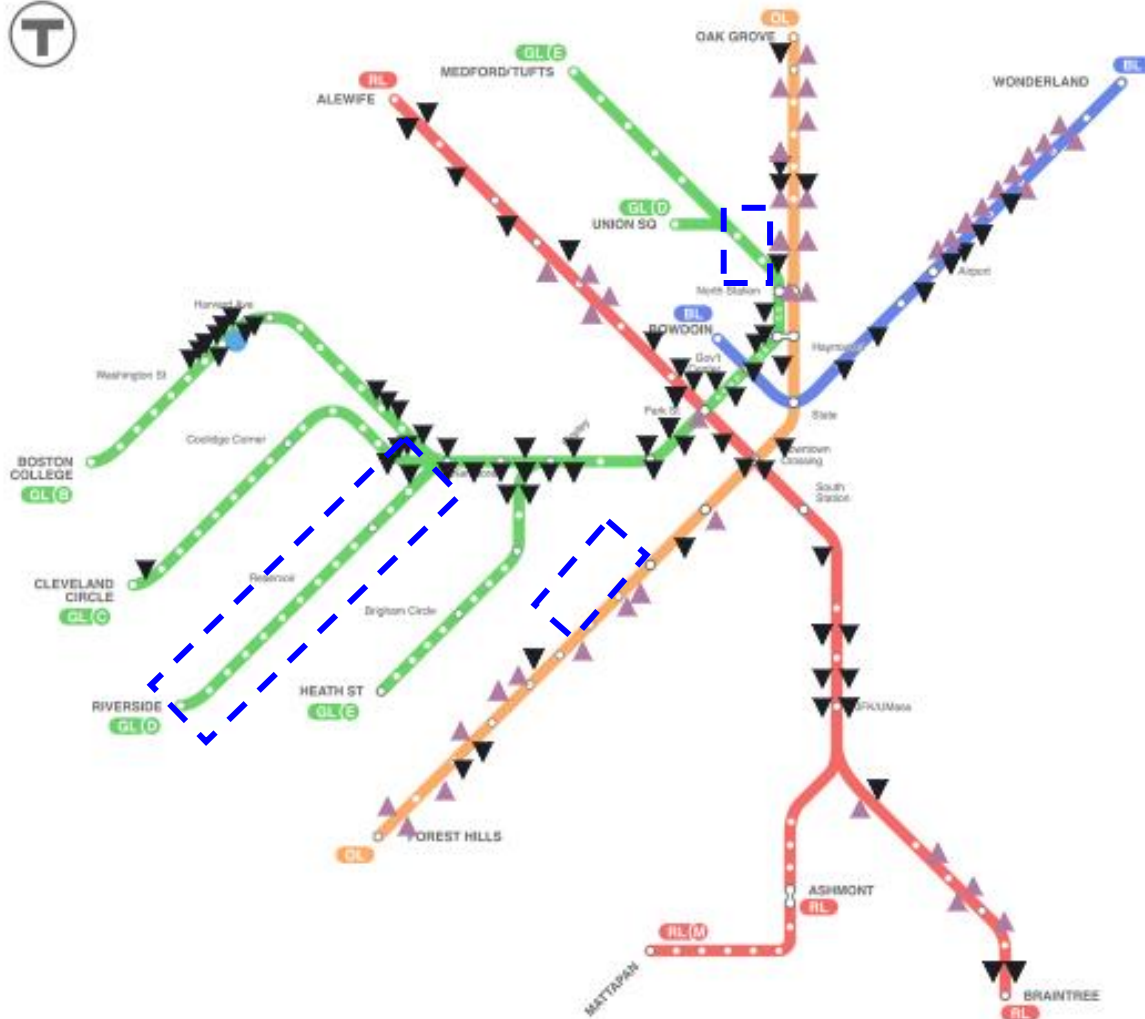
MBTA speed restriction status		
Restriction Distance	Restricted Track Percent	Restriction Count
28.7 mi	21%	168
12/5/2023	12/5/2023	12/5/2023

(TIP) November: Red Line Harvard to Central, JFK/UMass to Park, Oak to North Station

of Restrictions lifted
194 to 168 as of 12/05



Map as of 12/31/2023



MBTA speed restriction status

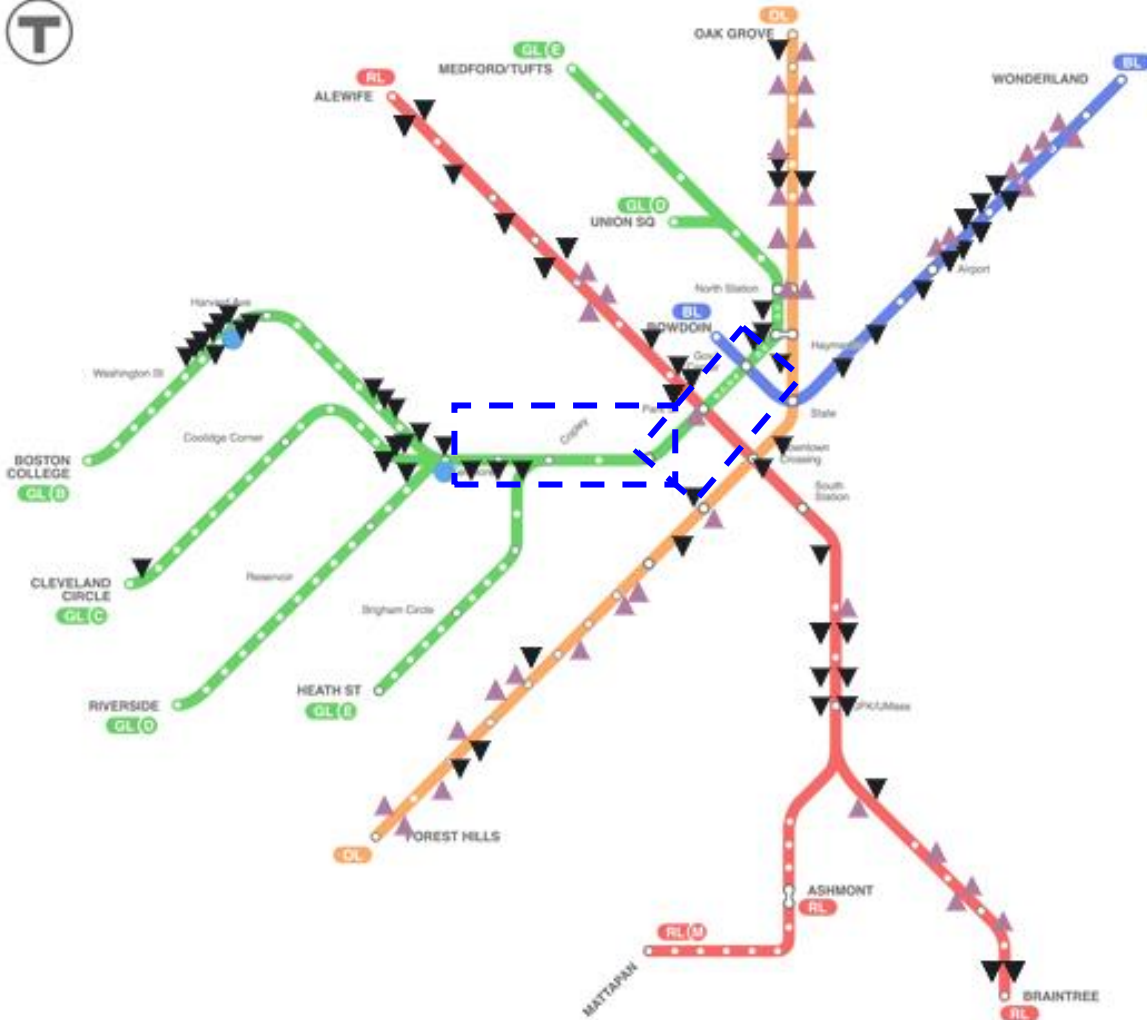
Restriction Distance	Restricted Track Percent	Restriction Count
21.8 mi 12/31/2023	16% 12/31/2023	143 12/31/2023

(TIP) Nov/Dec: Green Line surges North Station to Kenmore, Heath, Babcock; Riverside to Kenmore

of Restrictions lifted
168 to 143 as of 12/31



Map as of 01/31/2024



MBTA speed restriction status		
Restriction Distance	Restricted Track Percent	Restriction Count
20.0 mi 1/31/2024	15% 1/31/2024	127 1/31/2024

(TIP) January: Green Line surges North Station to Kenmore, Heath, Babcock

of Restrictions lifted
143 to 127 as of 01/31



Map as of 02/16/2024



MBTA speed restriction status		
Restriction Distance	Restricted Track Percent	Restriction Count
19.5 mi 2/16/2024	14% 2/16/2024	129 2/16/2024

(TIP) February: Red Line Surge
North Station to Kenmore, Heath,
Babcock

of Restrictions lifted = 8



MBTA speed restriction status

Restriction Distance

36.0 mi

9/27/2023

Restricted Track Percent

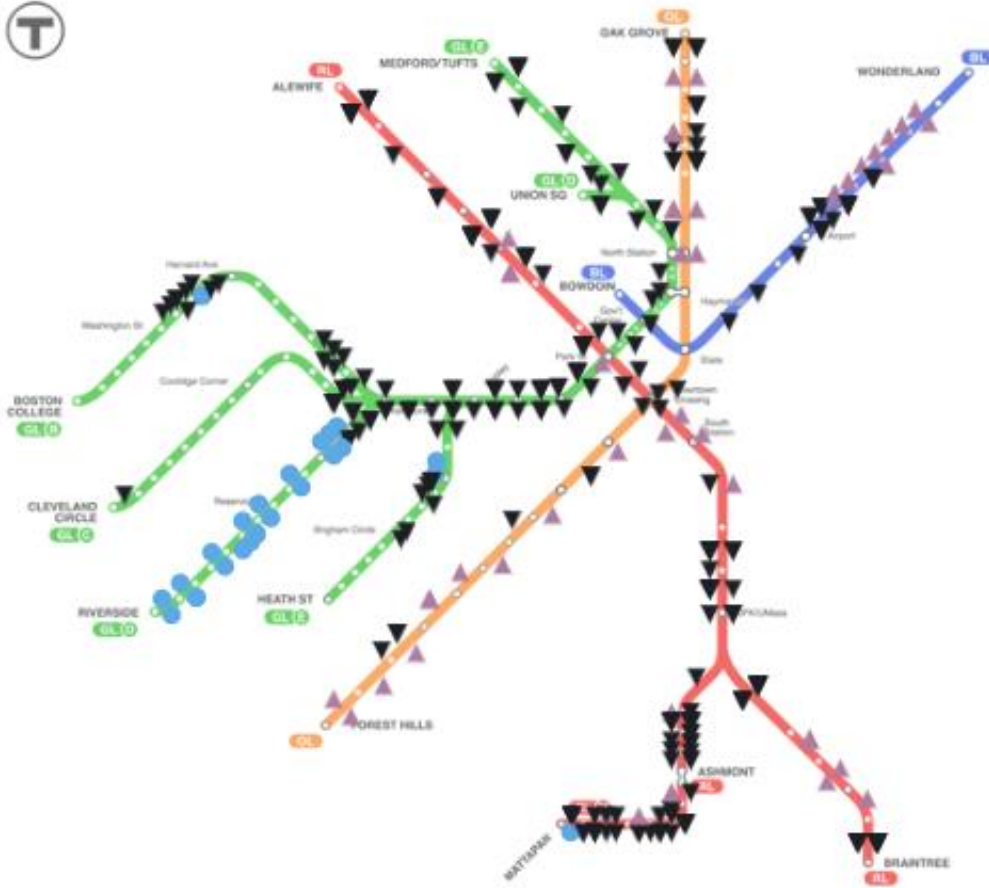
26%

9/27/2023

Restriction Count

240

9/27/2023



MBTA speed restriction status

Restriction Distance

19.5 mi

2/16/2024

Restricted Track Percent

14%

2/16/2024

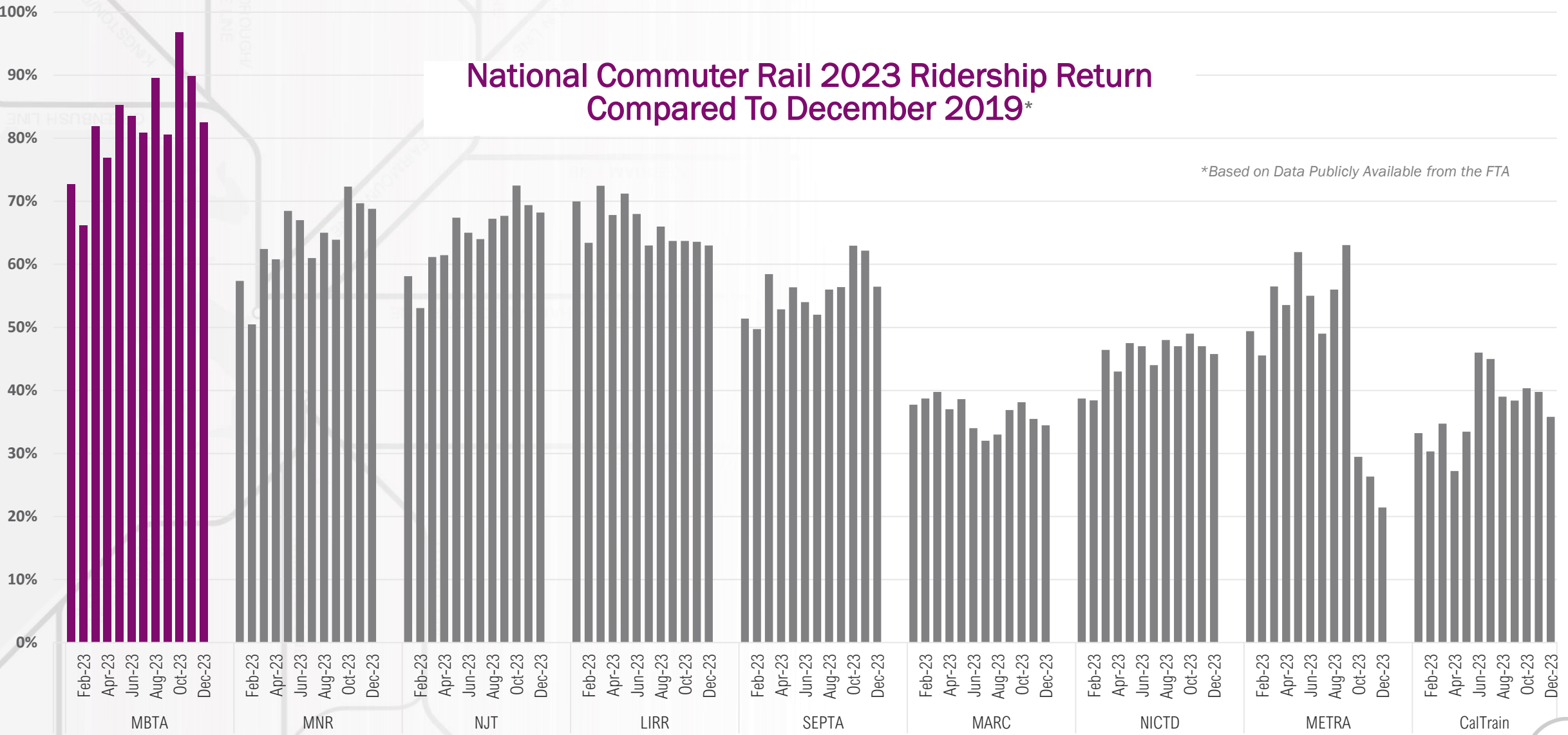
Restriction Count

129

2/16/2024

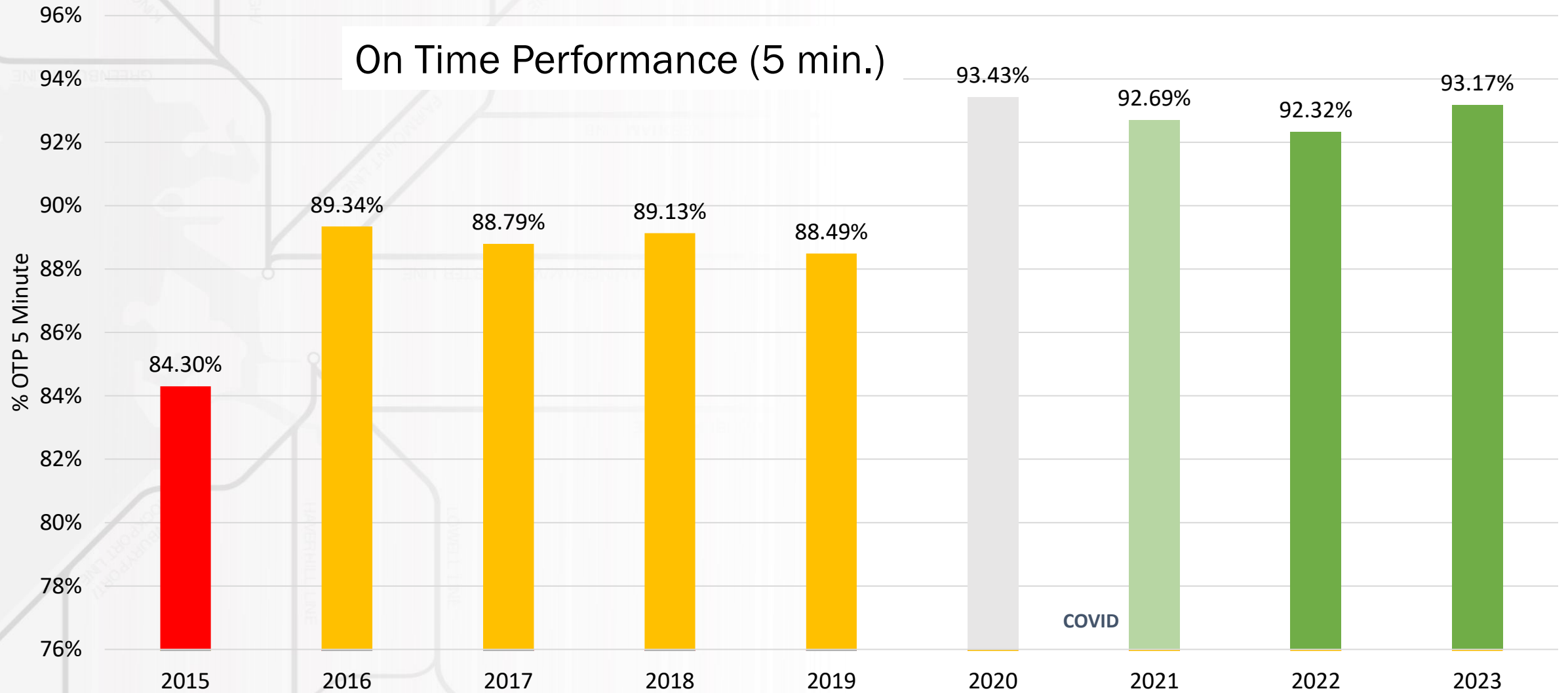


Commuter Rail Ridership

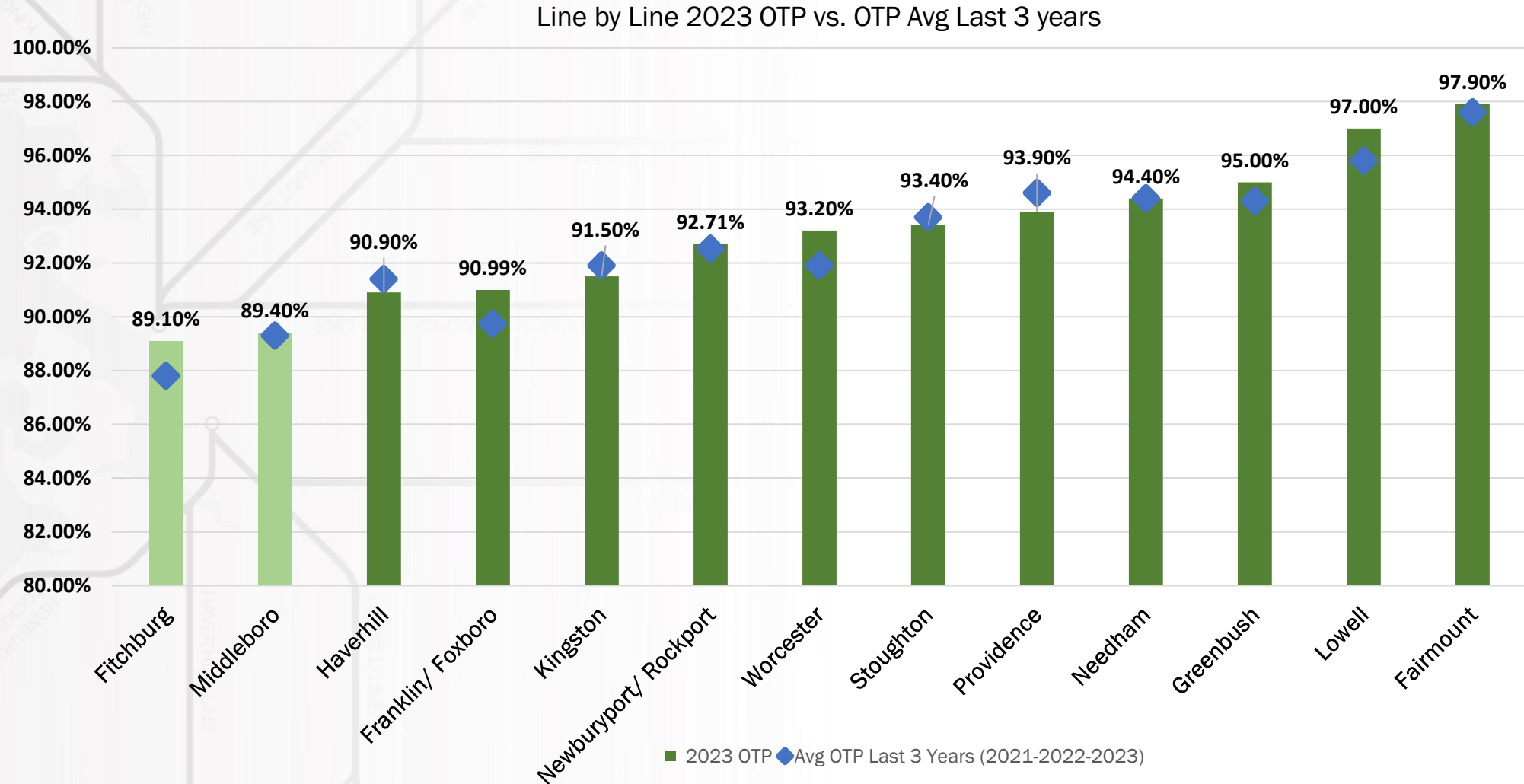


Commuter Rail Performance

On Time Performance (5 min.)



2023 On Time Performance (OTP) by Line

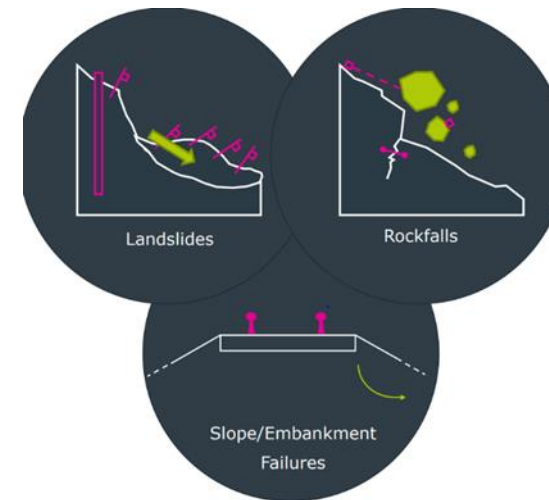


Adverse Weather Risk Management

- Network risk-based evaluation and assessment : 1st line to be piloted on Gloucester branch before a system wide launch
- Slope and track remote monitoring systems being piloted at two 2023 washout locations (Fitchburg route).



Fitchburg Route Sep 2023



Silver Line Signs at Nubian



Best Electronic Media



...to increase ridership!



MBTA's
"Wally Takes the T"



Best Special Event



for workforce development



“HR on the Go!”
“HR on the Spot”





BLACK HISTORY MONTH

February 2024



**Massachusetts Bay
Transportation Authority**

