



MBTA's Track Improvement Program – a bold initiative

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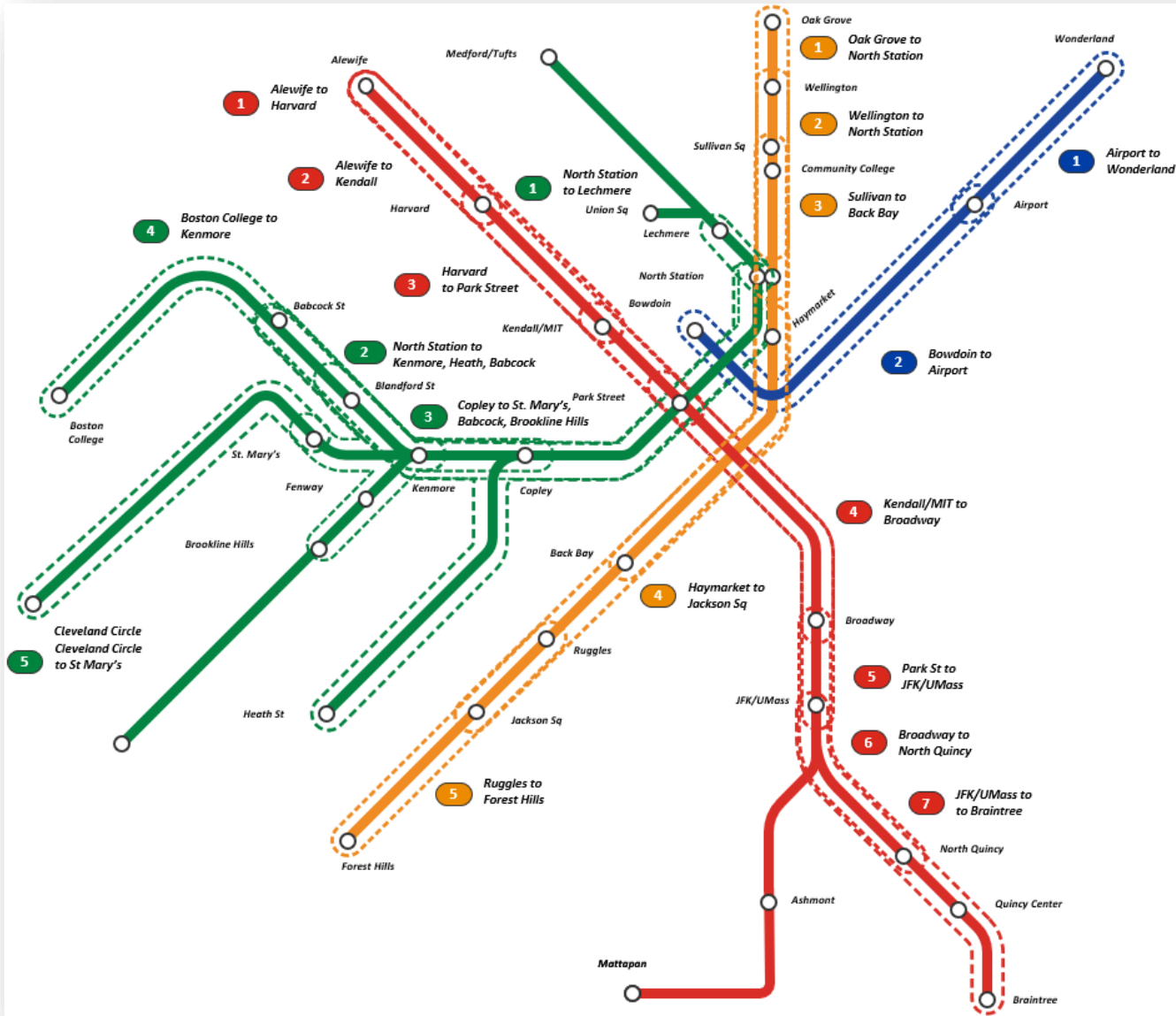
SALINA MARTIN, Director of Operations, Project Delivery

Sept. 15, 2025



Choose Transit: Full  Ahead

Track Improvement Program | A Bold Initiative

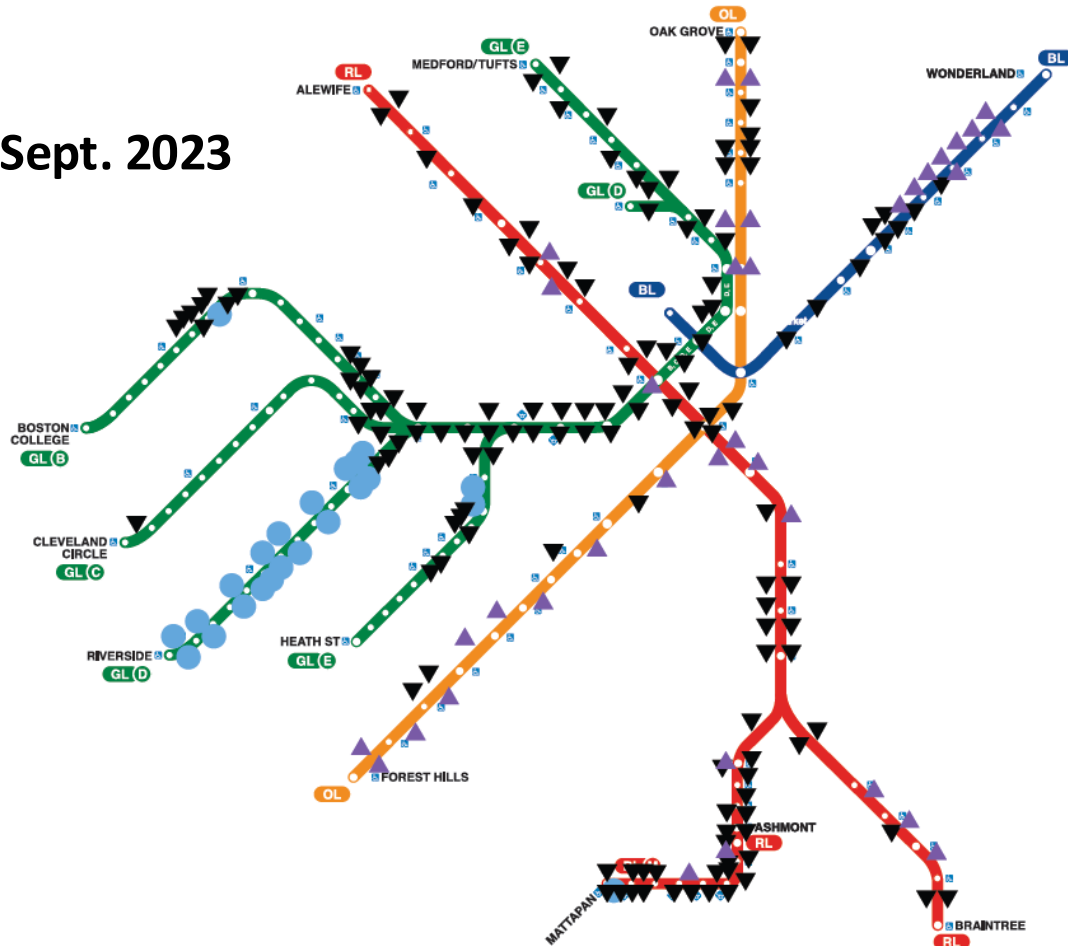


- **GOAL:** Remove all speed restrictions across the subway system by end of 2024
- **COST:** \$600M
- **DELIVERY METHOD:** Contractors, MOW
- **SCHEDULE:** 14-month project; Achieved planned completion Dec. 2024

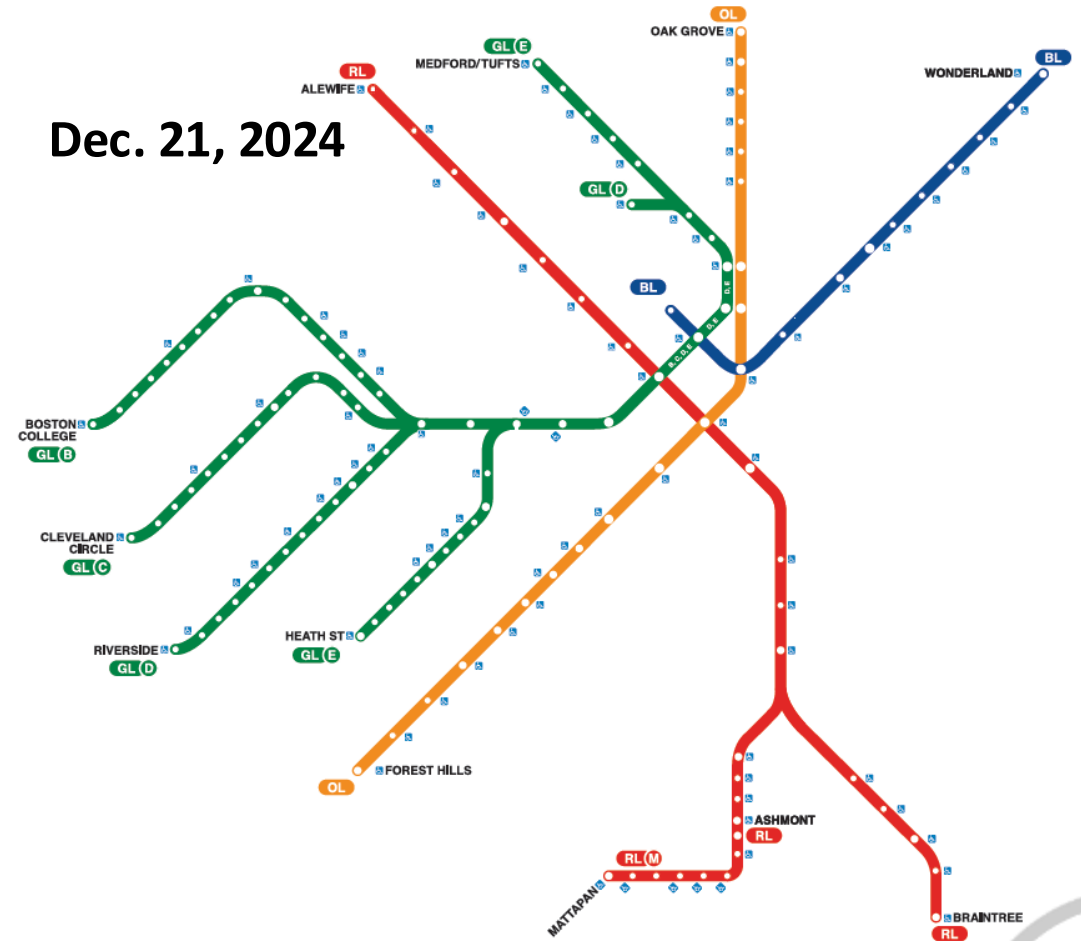
The entire project was parsed into **track segments** laid out in a **14-month plan** to address the speed restrictions and upgrade track to a state of good repair.

Track Improvement Program | A Bold Initiative

Sept. 2023



Dec. 21, 2024



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Track Improvement Program | Promised Timeline Completed

	Alternative Service Limits	Speed Restrictions Act/ Adj/Orig	Time Savings Actual/ Modeled	Diversion Duration Act/Adj/Orig	2023		2024											
					NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A	Harvard to Central	✓ 1/1	1.7/1.7	Wknd														Completed Schedule On Time
B	JFK/UMass to Park St	✓ 6/6	4.7/1.9	EA/Wknd														
A	Oak Grove to North Station	✓ 2/2	1.0/2.7	EA/Wknd														
A	North Station to Kenmore, Heath, Babcock	✓ 12/10	2.0/4.3	9/9														
B	Riverside to Kenmore	✓ 22/20	3.7/9.2	10/10														
1	Medford/Union to Park St.	✓ 2/2	1.8	15/15/14														
2	North Station to Kenmore, Heath, Babcock	✓ 16/15	2.0/8.7	23/23/21														
3	Copley to St. Mary's, Babcock, Brookline Hills	✓ 10/9	0/4.2	18/18/18														
4	Boston College to Babcock	✓ 8/8/7	~1*/1.7	10/10/10										Shift leverages weekend; minimizes commuter impact				
5	Cleveland Circle to St. Mary's	✓ 1/1	0/0.1	0/0/6					Tamping, tree removal, other work during GL-003									
1	Oak Grove to North Station	✓ 9/9/13	2.7/1.7	7/7/6														
2	Wellington to North Station	✓ 6/5	4.0/4.3	9/9/8														
3	Wellington to Back Bay	✓ 9/6	3.3/2.3	10/10/10														
4	North Station to Jackson Sq	✓ 7/2	2.2/1.3	4/4/4														
5	Back Bay to Forest Hills	✓ 20/19/15	9/4.8	13/13/11														
1	Alewife to Harvard	✓ 8/9	8.4/6.5	9/9/9														
2	Alewife to Kendall	✓ 9/9/7	4.8/4.0	16/16/16														
3	Harvard to Park	✓ 2/2/3	0.7/0.8	7/7/6														
4	Kendall/MIT to JFK/UMass	✓ 6/5/8	4.0/3.7	8/7/6														
5	Park to JFK/UMass	✓ 11/8	10.2/2.6	9/9/8														
6	Broadway to North Quincy	✓ 5/2/4	2.0/2.7	6/6/6														
7	JFK/UMass to Braintree	✓ 37/36/22	29.5/9.1	24/24/16														
1	Airport to Wonderland	✓ 16/12	4.0/3.1	14/14/12													Extended for work to ultimately increase operating line speeds.	
2	Bowdoin to Orient Heights	✓ 3/2	0/0.7	Early Access														
		228/191 original restrictions	93.5/83.9 RT min	221/217/207 days of work	*Time savings for GL-004 is based on limited data and may be impacted by surface traffic, signals, etc.													
Timeline adjustments prioritized leveraging weekends to minimize impact to weekday commuters																		

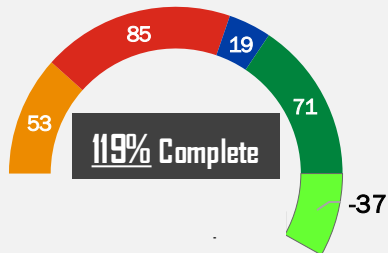
Completed Schedule
On Time

Track Improvement Program | Progress Metrics Overachieved

Speed Restrictions



228 lifted, 37 more than orig. scope

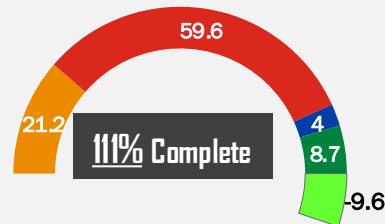


Originally Projected
191* Speed Restrictions

Travel Time Improvement



93.5 min returned, 9.6 more than orig. scope

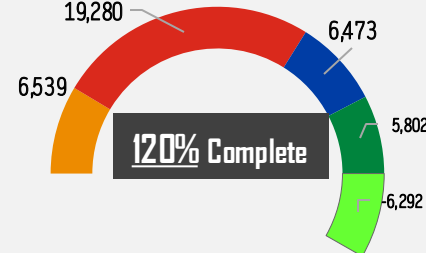


Refined Model
84 min

Ties Replaced



38,094 replaced, 6,292 more than orig. scope

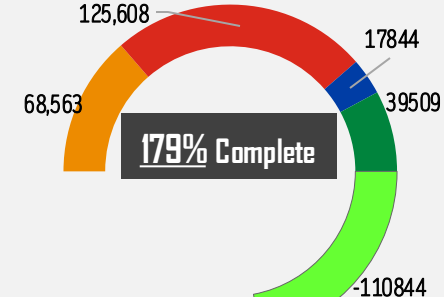


Originally Projected
31,802 Ties for Replacement,
incl SGR

Feet of Rail Replaced



251,524 replaced, 110,844 more than orig. scope

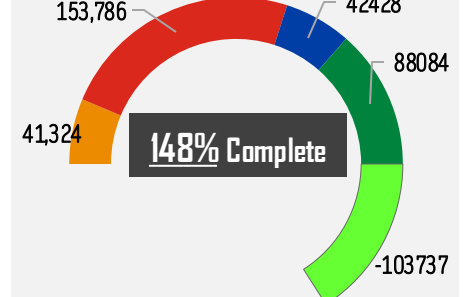


Originally Projected
140,680 ft for Replacement

Feet of Tamping



325,622 tamped, 103,737 more than orig. scope



Originally Projected
221,885 ft to Tamp

Initial Projections as of Nov. 6, 2023

Final Data date: Dec.21, 2024

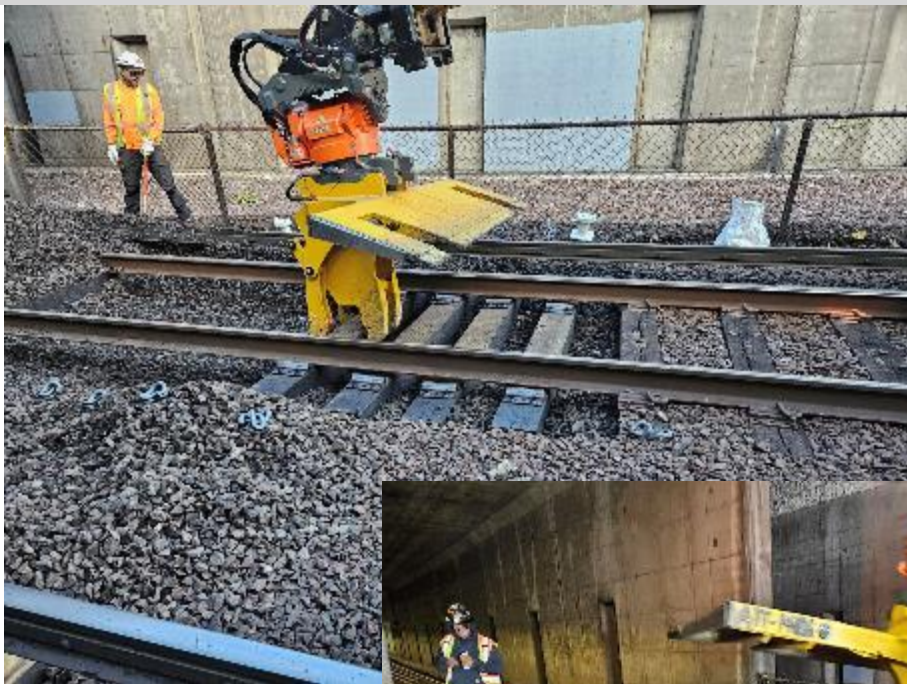
Orange Line Red Line Blue Line Green Line Beyond Scope

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Track Improvement Program | Rail Replacement



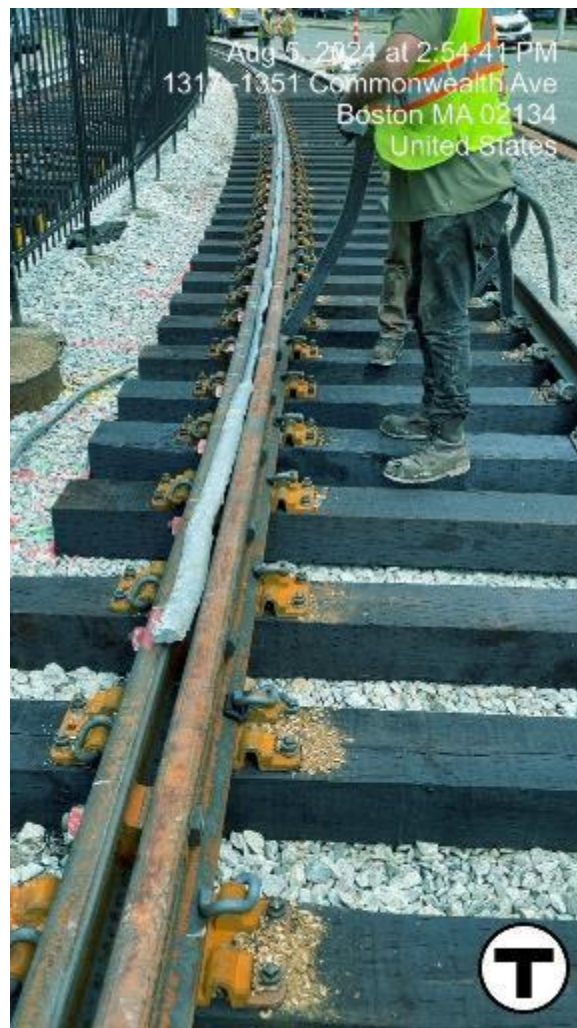
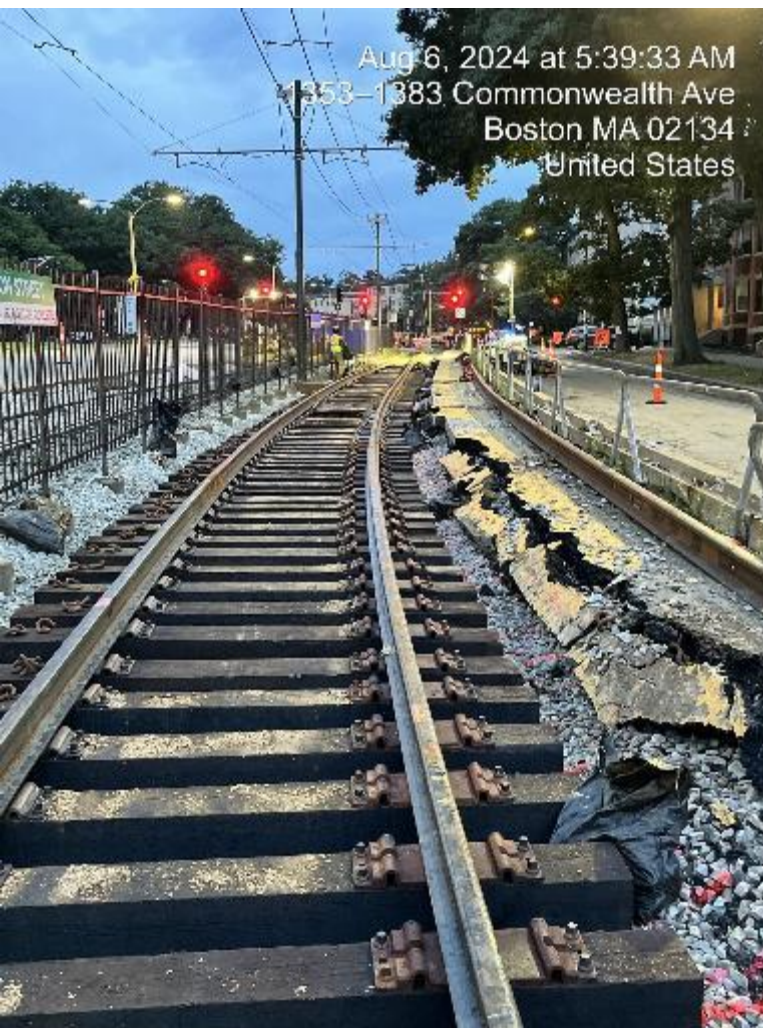
Track Improvement Program | Plate & Tie Replacement



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Track Improvement Program | Full Depth Repair



Track Improvement Program | Tamping



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Track Improvement Program | Thermite Welding





Partnered for

- ✓ **Results**
- ✓ **Safety**
- ✓ **Productivity**
- ✓ **Efficiency**



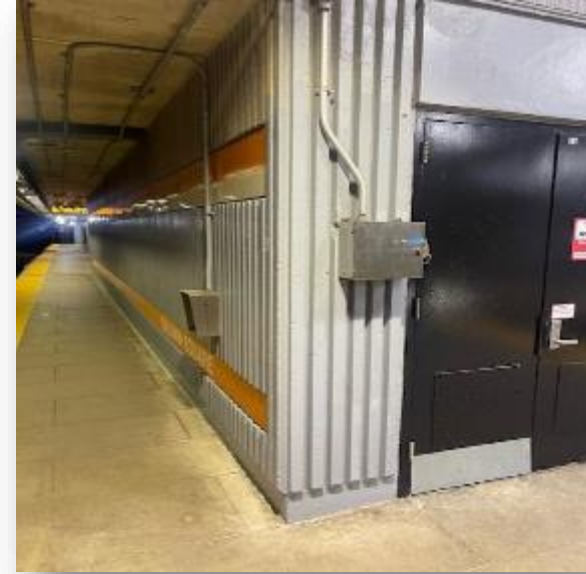
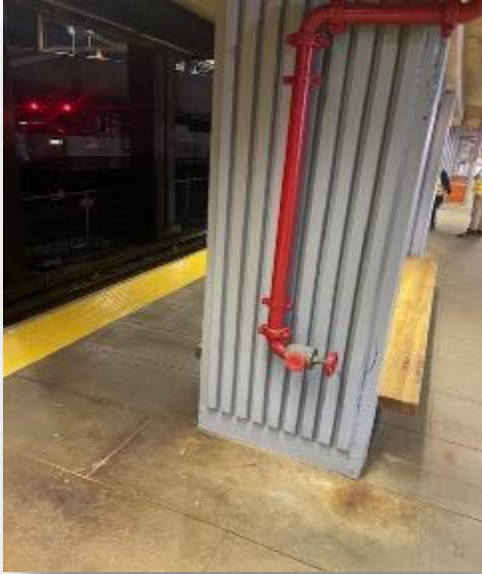
Track Improvement Program | Station SOGR

ENTRANCE RESTORED



Track Improvement Program | Station Brightening

PAINTING

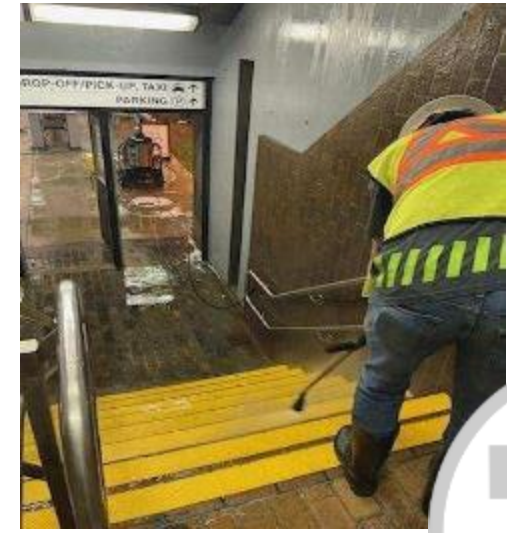


Columns, Doors, Walls and Stair Risers



Track Improvement Program | Station Cleaning

POWER WASHING

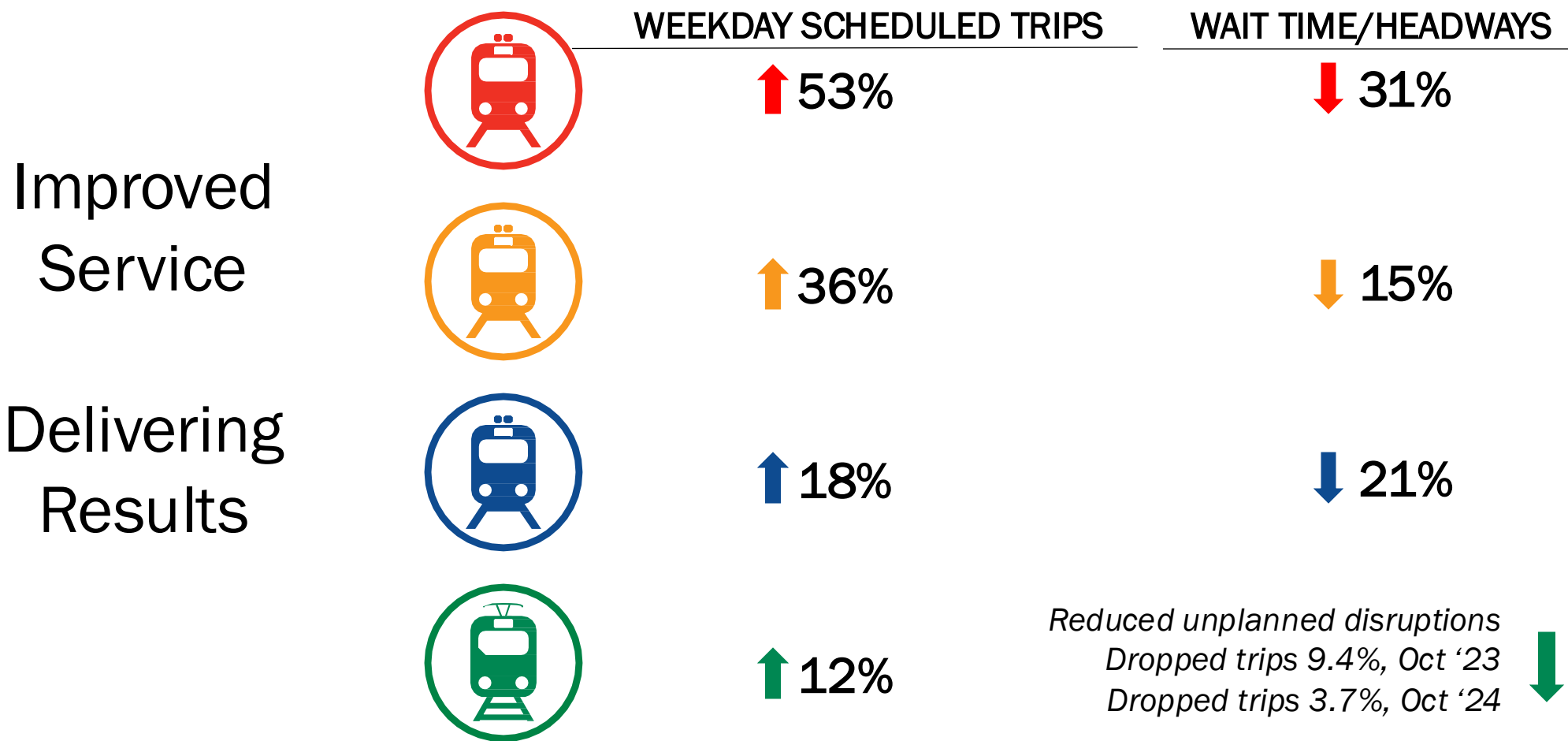


Track Improvement Program | Station Stairs

REPAIRS



Track Improvement Program | Demonstrable Rider Benefits



December 2024 vs. December 2023

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MBTA's Track Improvement Program | Lessons Learned

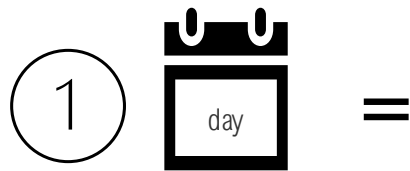


The Operations and Capital **collaboration** ensured streamlined project execution and issue resolution.



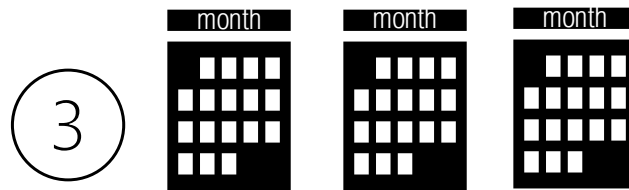
Efficient Work Scheduling. Closing sections of the transit system was **most effective**.

1-Day Diversion



=

Nights & Weekends



1 year of TIP work accomplished more than 4 decades of deferred maintenance.

Leverage diversions and focus work windows (weekends) minimizes weekday impact and maximizes productivity.



Multiple contractors and the T's workforce **partnered** to **maximize productivity & resources** and resulted in completing decades of deferred maintenance within one year.



Contractor QC and T Safety on site around the clock ensured adherence to standards, product quality and work safety.

Choose Transit: Full  Ahead

Thank you.
Questions?

