



# Track Improvement Program 2023-2024

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# Track Improvement Program | Benefits

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The MBTA will be rebuilding track infrastructure across the Red, Orange, Blue, and Green Lines.



- ✓ Increases train speeds.
- ✓ Reduces delays and disruptions.
- ✓ Improves safety.
- ✓ Delivers timely, reliable and consistent service.

Information about the Track Improvement Program can be found at [www.mbta.com/trackprogram](http://www.mbta.com/trackprogram)



 <b>SYSTEMWIDE</b>	 <b>191</b> <i>Speed Restrictions</i> <i>(as of 11-6-23)</i>	 <b>740,000</b> <i>Approx. Feet of Track</i> <i>(140 miles)</i>	 <b>28 Years</b> <i>Average Age of Track</i>	 <b>611</b> <i>Signals</i>	 <b>32 Years</b> <i>Average Age of Signal System</i>	 <b>132</b> <i>Stations</i> <i>(Unique, excluding Bus)</i>	 <b>677,000</b> <i>Approx. Weekday Trips</i> <i>(2019)</i>
 <b>RED LINE</b>	<b>66</b> <i>Speed Restrictions</i> <i>(as of 11/6/23)</i>	<b>228,000</b> <i>Feet of Track</i> <i>(43 miles)</i>	<b>31</b> <i>Years</i>	<b>105</b> <i>Signals</i>	<b>40</b> <i>Years</i>	<b>22</b> <i>Stations: 22/22</i> <i>Meet Accessibility Standards</i>	<b>258,000</b> <i>Weekday Riders</i>
 <b>ORANGE LINE</b>	<b>42</b> <i>Speed Restrictions</i> <i>(as of 11/6/23)</i>	<b>121,000</b> <i>Feet of Track</i> <i>(23 miles)</i>	<b>38</b> <i>Years</i>	<b>81</b> <i>Signals</i>	<b>38</b> <i>Years</i>	<b>20</b> <i>Stations: 20/20</i> <i>Meet Accessibility Standards</i>	<b>191,000</b> <i>Weekday Riders</i>
 <b>BLUE LINE</b>	<b>14</b> <i>Speed Restrictions</i> <i>(as of 11/6/23)</i>	<b>67,000</b> <i>Feet of Track</i> <i>(13 miles)</i>	<b>23</b> <i>Years</i>	<b>40</b> <i>Signals</i>	<b>25</b> <i>Years</i>	<b>12</b> <i>Stations: 11/12</i> <i>Meet Accessibility Standards</i>	<b>143,000</b> <i>Weekday Riders</i>
 <b>GREEN LINE</b>	<b>69</b> <i>Speed Restrictions</i> <i>(as of 11/6/23)</i>	<b>297,000</b> <i>Feet of Track</i> <i>(56 miles)</i>	<b>20</b> <i>Years</i>	<b>385</b> <i>Signals</i>	<b>25</b> <i>Years</i>	<b>70</b> <i>Stations: 48/70</i> <i>Meet Accessibility Standards</i>	<b>78,000</b> <i>Weekday Riders</i>
 <b>MATTAPAN LINE</b>	<b>0</b> <i>Speed Restrictions</i> <i>(as of 11/6/23)</i>	<b>27,000</b> <i>Feet of Track</i> <i>(5.2 miles)</i>	<b>31</b> <i>Years</i>	<b>Not signalized</b>	<b>Not signalized</b>	<b>8</b> <i>Stations: 7/8</i> <i>Meet Accessibility Standards</i>	<b>7,000</b> <i>Weekday Riders</i>

# Today's MBTA Subways

## 2023





## Track Improvement Program | Anticipated Accomplishments

	Speed Restrictions Removed	Travel Time Improvement (minutes)	# of Ties Replaced	Feet of Rail	Feet of Tamping
November & December 2023					
	39	20	3,800	15,800	13,400
2024					
	152	66	28,002	124,880	208,485
TOTAL					
	191	86	31,802	140,680	221,885



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| Phase I

## 2023 Track Improvement Program

[illegible]

- ✓ Targeted priority trackwork.
- ✓ Reduce speed restrictions.
- ✓ Ensure track reliability.

Surge

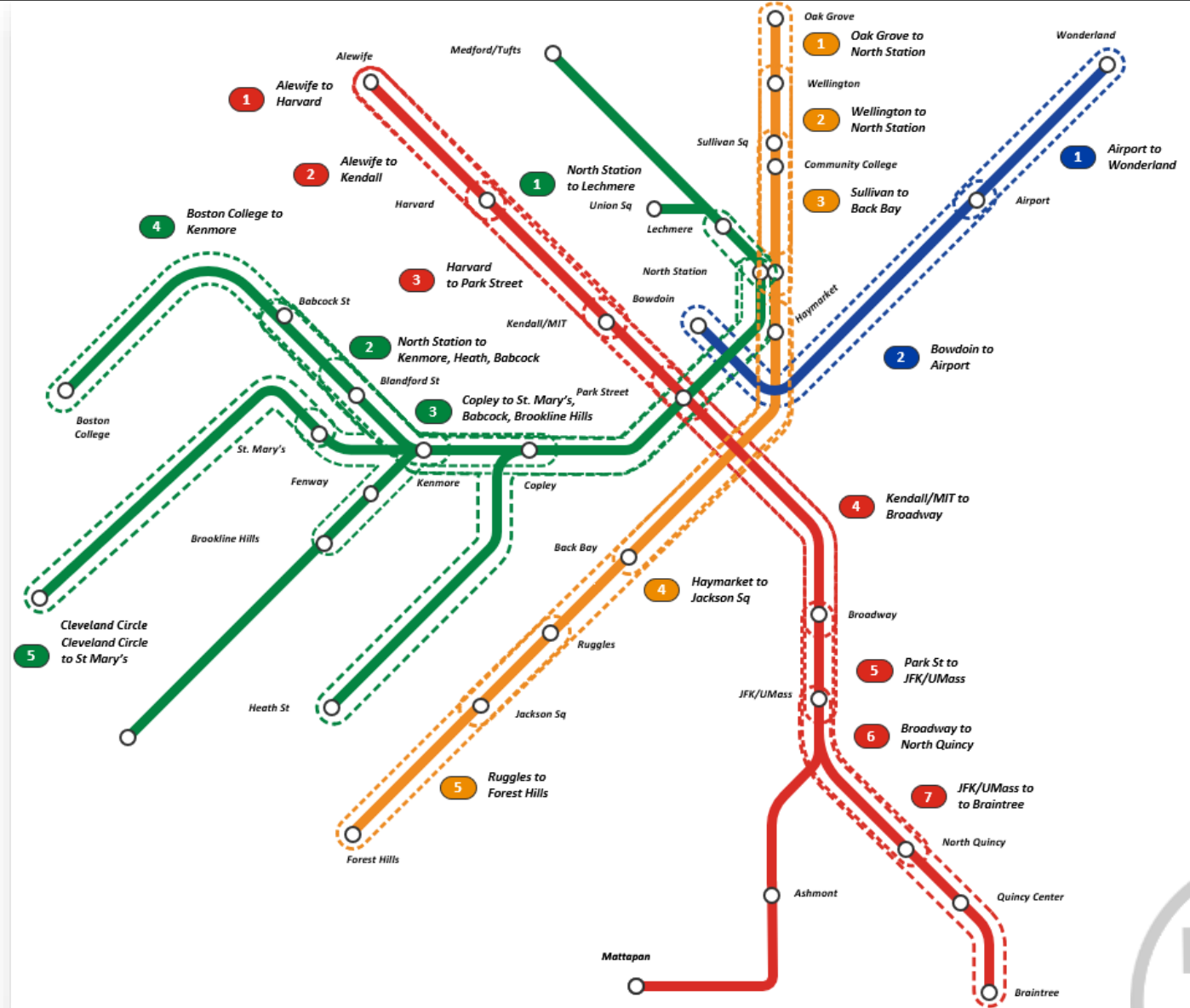
Weekend

Early Access



# Track Improvement Program 2024 | Segmenting Track

	Alternative Service Limits	Speed Restrictions	Modeled Time Savings (mins)	Duration (days)
1	North Station to Lechmere	2	1.8	14
2	North Station to Kenmore, Heath, Babcock	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	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
		152 restrictions lifted	66.3 minutes saved	188 days of work



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- ✓ Critical trackwork along entire system.
- ✓ Remove all speed restrictions.
- ✓ Ensure track reliability.

# Track Improvement Program 2024 | Segmenting Track

Priority Trackwork for State of Good Repair in 2024																
Segt	Alternative Service Area	Speed Restrictions	Modeled Delay (min)	Duration (days)	January	February	March	April	May	June	July	August	Sept	October	November	December
1	North Station to Lechmere	2	1.8	14												
2	North Station to Kenmore, Heath, Babcock	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	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												
		152	66.3	188	# of Speed Restrictions as of 11/6/23											



# Track Improvement Program | Public Engagement

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Open houses, held in-person and virtually, will provide an overview of projects and give riders, residents, and communities opportunities for questions, comments, and feedback.

Meeting dates and locations will be posted at [mbta.com](https://www.mbta.com) and shared on social media and with the press.





# Ushering in a New Way of Doing Business



Created internal Track Improvement Program Taskforce to lead the Program for 2024 led by Doug Connett.



Hired New Senior Leadership with decades of track experience.



Teaming & collaboration.



Hiring & developing in-house union workers to support accelerated plan as we rebuild the workforce and organization



Accountability, responsibility and transparency.



# Thank you



# Addendum



SEGMENT	ALTERNATIVE SERVICE AREA	START DATE	END DATE	START DATE 2	END DATE 2
2	Alewife to Kendall	11/4/23	11/5/23		
4	Oak Grove to North Station	11/11/23	11/12/23		
5	JFK/UMass to Park Street	11/18/23	11/19/23		
1	North Station to Kenmore/Heath, Babcock	11/27/23	12/5/23		
3	Riverside to Kenmore	12/11/23	12/20/23		
1	North Station to Lechmere	11/12/24	11/25/24		
2	North Station to Kenmore, Heath, Babcock	1/3/24	1/12/24	1/16/23	1/26/23
3	Copley to St. Mary's, Babcock, Brookline Hills	2/20/24	3/8/24		
4	Boston College to Kenmore	7/31/24	8/9/24		
5	Cleveland Circle to St. Mary's	10/28/24	11/2/24		
1	Oak Grove to North Station	8/17/24	8/22/24		
2	Wellington to North Station	6/20/24	6/27/24		
3	Sullivan Square to Back Bay	5/28/24	6/6/24		
4	Haymarket to Jackson Sq	3/18/24	3/21/24		
5	Back Bay to Forest Hills	9/25/24	10/5/24		
1	Alewife to Harvard	2/5/24	2/13/24		
2	Alewife to Kendall	7/8/24	7/23/24		
3	Harvard to Park	12/14/24	12/19/24		
4	Kendall/MIT to Broadway	10/15/24	10/20/24		
5	Park to JFK/UMass	5/1/24	5/8/24		
6	Broadway to North Quincy	12/1/24	12/6/24		
7	JFK/UMass to Braintree	9/3/24	9/18/24		
1	Airport to Wonderland	4/9/24	4/12/24	4/16/23	4/23/23
2	Bowdoin to Airport	Draft for Discussion & Policy Purposes Only			

## Track Improvement Program 2023-2024 Dates

*Dates are subject to change.*

*Construction timelines are estimates and subject to change based on weather, supply chain disruptions, contractor staffing, and other external factors.*

*Schedule delays are possible given potential for severe weather, delayed material deliveries, labor shortages, or other unforeseen circumstances.*

*The project team will monitor and adjust schedules as needed.*

