Statewide Construction Coordination 2024-2026

April 16, 2024



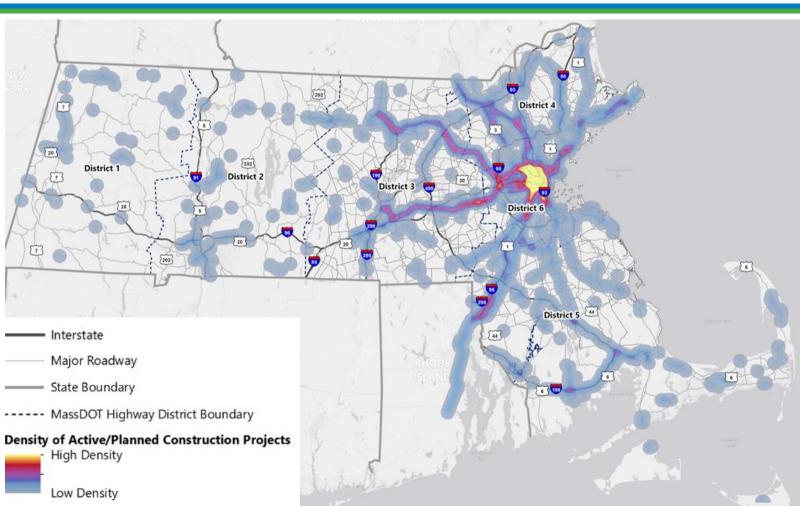
Table of Contents

3 Statewide Projects with Impacts- 2024
4 Hot Spot Identification- 2025 & 2026
6 Boston Core Anticipated Schedule
10 Major Projects 2024 & Beyond
12 Appendix

Project Density Heat Map

- 601 Projects
- As of March 1, 2024

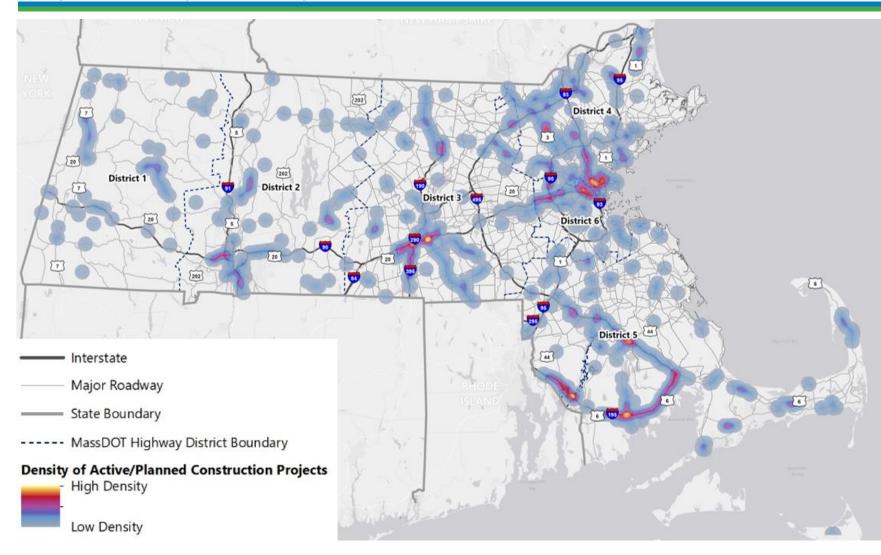
Project Type	Number	Percent of Total
Roadway*	329	55%
Bridge	157	26%
Transit	73	12%
Ped/Bike	23	4%
Utilities	19	3%
Owner/ Proponent	Number	Percent of Total
MassDOT Highway	478	79%
MBTA	70	12%
Other	53	9%





*Roadway projects also include maintenance projects with flexible impacts.

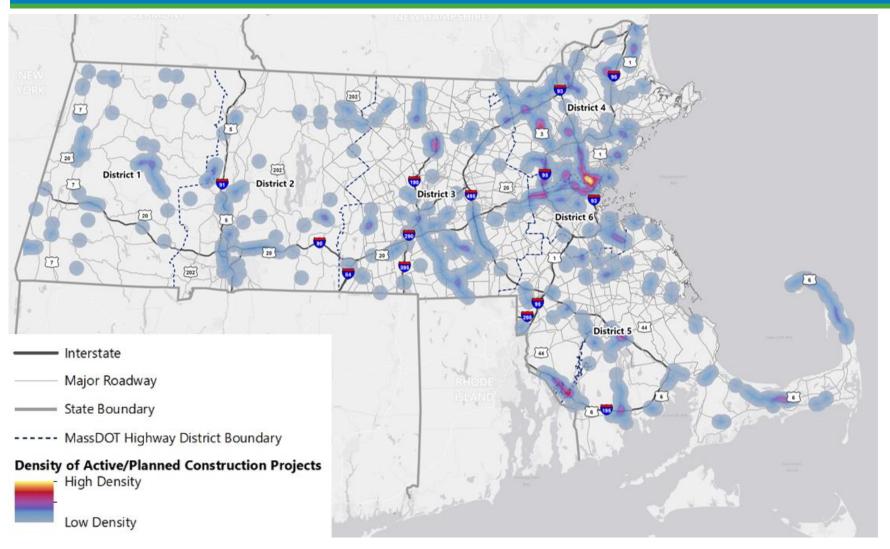
Project Density Heat Map



463 projects statewide with impacts to the traveling public



Project Density Heat Map



380 projects statewide with impacts to the traveling public



Boston Core Anticipated Schedule



Weekday Peak Period Impacts (Includes 24/7 Impacts)



Weekday Off-Peak/Weekend Period Impacts Only

(1 of 2)

	Jan-24	Feb-24 Mar-24	Apr-24	lay-24	un-24	un-24 un-24	ep-24	oct-24	ov-24	00-24	Feb-25	lar-25	pr-25	lay-25 111-25	ul-25	ug-25	ep-25	oct-25	lov-25	Jan-26	eb-26	1ar-26	Apr-26	Jun-26	Jul-26	Aug-26 Sep-26	or - 26 Det-26	lov-26	ec-26
Project Title	~	<u> </u>	4	Σ	י ר ^י	, 4	S	0	Z	- 6	, L	2	٩	2 -	, ,	•	S	0,	2 (-		2	• 2	2 7	,	<u>م</u> ہ	, 0	z	
Green Line Extension																													
2 MWRA - Phase 1 - Medford / Arlington (WASM 2 Rehabilitation CP-1)																													
3 I-90 Air-Rights Parcel 7 and Prudential Tunnel Lighting Rehabilitation																													
4 MWRA - Boston (Brighton), Newton, Watertown, Water Main Rehabilitation																													
DOT Avenue Bridge (RL and CR)																													
Somerville Viaduct																													
7 Eversource - Andrew Square to Dewar Street Reliability Project																													
8 Broadway Reconstruction																													
9 Government Center Garage/ Bullfinch - Orange/Green Line Impacts																													
10 Maffa Way & Mystic Avenue Railroad Bridge Replacement																													
11 DCR - Hammond Pond Parkway Road Diet																													
12 Bridge Preservations I-90 over MBTA (Allston Multimodal)																													
13 MassDOT Permit Project: 15 McGrath Highway (Route 28) Cambridge																													
14 Roadway Reconstruction - Cypher Street, E Street, Fargo Street																													
Structural Cleaning, Painting, Steel Repairs, Deck Repairs and Resurfacing on Tobin Bridge																													
16 Mount Auburn Street (Route 16) Rehabilitation										÷																			
17 South Boston Bike Lane Construction (M741)																													
18 DCR - Arbonway																													
19 DCR - Arborway at Murray Circle 20 Fresh Pond Parkway / Mt. Auburn Street (Long-term)																													

Boston Core Anticipated Schedule



Weekday Peak Period Impacts (Includes 24/7 Impacts)



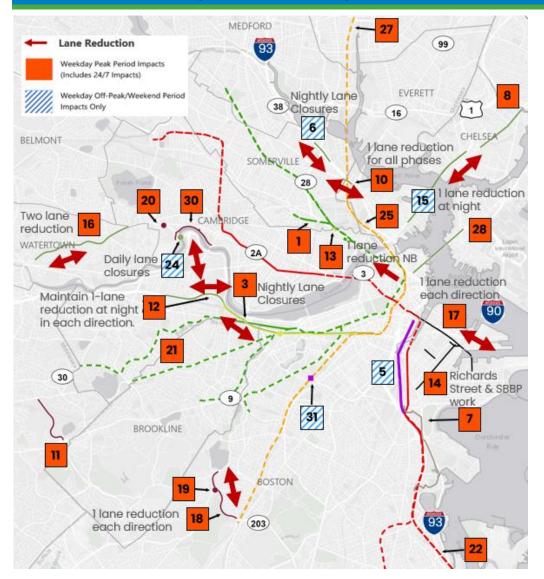
Weekday Off-Peak/Weekend Period Impacts Only

Planned Ad Date

(2 of 2)

		Jan-24	Feb-24 Mar-24	Apr-24	May-24	ın-24	ul-24	ug-24	oct-24	ov-24	ec-24	an-25	9b-25	ur 25 pr-25	ay-25	Jun-25	Jul-25	Aug-25	Sep-25	UCT-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jul-26	Aug-26	sep-26	ct-26	ec-26
	Project Title	ž	۳ <u>۲</u>	- -	ž	ž		A V	; õ	ž	ŏ	ř	<u>۲</u>	. A	ž	ž	ī	Ā	ı, a	οž		ž	ž	Σ	A :	ž -	; -	A	ů,	o ż	ă
21	Green Line - TIP Projects																														
22	Red Line - TIP Projects																														
23	Orange Line - Signal Program																														
24	Eliot Street Brick & Granite Cap Repair & Replacement over the Charles River		7														$\left \right \right $				$\left \right $		1								
25	Maffa Way & Mystic Avenue Railroad Bridge Replacement - OL Impacts																														
26	Commuter Rail - ATC (Newburyport/Rockport and Haverhill Lines)		1	7																											
27	Orange Line - TIP Projects																														
28	Sumner Tunnel Deck Work																														
29	Blue Line - TIP Projects																														
30	Memorial Drive, Eliot Bridge to N Harvard Street																														
31																															
32	Commuter Rail - Worcester Line Track and Stations Accessibility Improvement						1																								
33	(Worcester 3rd Track) Bridge Reconstruction/Rehab, West Roxbury Parkway Over MBTA								////																				////		
34	Bridge Rehabilitation Bowker Overpass over Mass Pike/MBTA/CSX & Ipswich St						r I	•																							
	Deck Replacement Cambridge Street Over I-90 & Lincoln Street Ped Overpass																														
35	Over I-90																														
36	Superstructure Replacement, US Route 3/Route 16/Route 2 Over MBTA Red Line										P																				
37	Boston- Storrow Drive Tunnel Interim Repairs II (P24-3558-DIA)													1								1									
38	Bridge Replacement Webster Avenue Over MBTA & BMRR																														
39	Bridge Preservation Cambridge Street Over MBTA																						P								

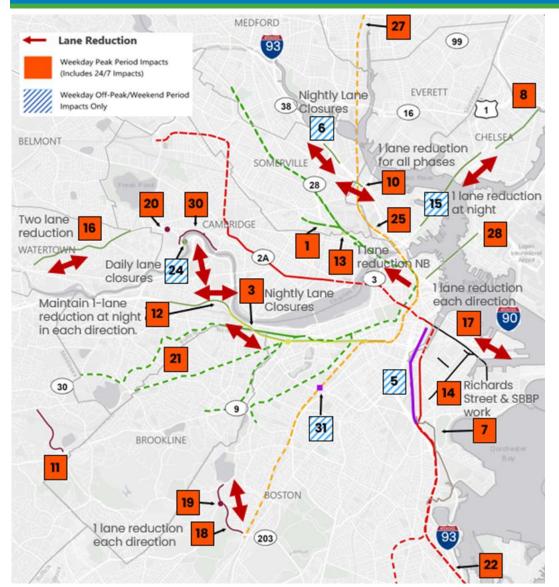
Review of Transportation Impacts – Summer 2024 (1 of 2)



- 1 🛛 Green Line Extension 구
- 3 I-90 Air-Rights Parcel 7 and Prudential Tunnel Lighting Rehabilitation
- 5 DOT Avenue Bridge (RL and CR) T
- 6 Somerville Viaduct
- 7 Eversource Andrew Square to Dewar Street Reliability Project
- 8 Broadway Reconstruction
- 10 Maffa Way & Mystic Avenue Railroad Bridge Replacement
- 11 DCR Hammond Pond Parkway Road Diet
- 12 Bridge Preservations for I-90 over MBTA (Allston Multimodal)
- 13 MassDOT Permit Project 15 McGrath Highway (Route 28) Cambridge
- 14 Massport Roadway Reconstruction Cypher Street, E Street, Fargo Street
- 15 Tobin Bridge Structural Cleaning, Painting, Steel Repairs, Deck Repairs and Resurfacing



Review of Transportation Impacts – Summer 2024 (2 of 2)



- 16 Mount Auburn Street (Route 16) Rehabilitation
- 17 Massport South Boston Bike Lane Construction
- 18 DCR Arborway
- 19 DCR Arborway at Murray Circle
- 20 Fresh Pond Parkway / Mt. Auburn Street (Long-term)
- 21 Green Line TIP Projects (T)
- 22 Red Line TIP Projects (T)
- 24 Eliot Street Brick and Granite Cap Repair and Replacement over the Charles River
- 25 Maffa Way & Mystic Avenue Railroad Bridge Replacement - OL Impacts
- 27 Orange Line TIP Projects (
- 28 Sumner Tunnel Deck Work
- 30 Memorial Drive, Eliot Bridge to N Harvard Street
- 31 Ruggles Station Improvements Phase 2 🕝



Looking Ahead: Highway Division Major Projects

2024 and Beyond – Highlighted Projects (full list in Appendix)

Project	District	Construction
Russell - Bridge Street over the Mill River & South Main Street over the Mill River Bridge Replacement	District 1	2026 - 2030
Williamsburg - Bridge Street over Westfield River Bridge Replacement	District 1	2029 - 2032
Chicopee – I-391 over Route 116 (Chicopee Street) Bridge Replacement	District 2	2025 - 2028
Springfield/West Springfield – Route 20 (Park Avenue) over Connecticut River Bridge Replacement	District 2	2027 - 2030
Worcester – Harrison Street and Laurel Street over I-290 Bridge Reconstruction	District 3	2025 - 2028
Natick – Route 27 over Route 9 Interchange Reconstruction	District 3	2024 - 2029
Andover – I-93 over Merrimack River Bridge Preservation	District 4	2025 - 2028
New Bedford/Fairhaven – Swing Bridge Replacement	District 5	2027 - 2031
Bourne/Sagamore – Cape Cod Canal	District 5	2028+
Boston – Bowker Overpass over I-90/MBTA/Ipswich Street Bridge Replacement	District 6	2025 - 2028
Boston – I-90 Allston Multimodal Transportation Project	District 6	2027+

ThankYou



Appendix



Project Background

In 2018 MassDOT and MBTA began working collaboratively to develop a more coordinated approach for the upcoming construction seasons

• Goal: Maximize mobility in the face of multiple Highway, Transit, other state agencies, private utilities, and private development projects that reduce capacity and creates diversions.

Project database includes over 1900 total projects that are being tracked.

As of March 1, 2024, collected and analyzed project data for the entire state.

- 601 projects for 2024 with impacts to vehicle/transit users
- 463 projects for 2025 with impacts to vehicle users (excluding MBTA)
- 380 projects for 2026 with impacts to vehicle users (excluding MBTA)



Agency Data

Project information is incorporated from the following sources and dates.

- MassDOT Highway (all districts) in January 2024
- MassDOT Access Permits (all districts) in January 2024
- MBTA Construction Schedule dated January 26, 2024
- MBTA Track Improvement Program dated November 9, 2023
- Other MBTA coordination in February 2024*
- DCR coordination in December 2023
- Massport coordination in February 2024
- Outreach was conducted to the following project owners with limited updates received in early 2024 construction season. All other information included was from previous coordination and/or publicly available information.
 - 15 Municipalities
 - National Grid, Eversource, Taunton Municipal Light Plan
 - MWRA, BWSC



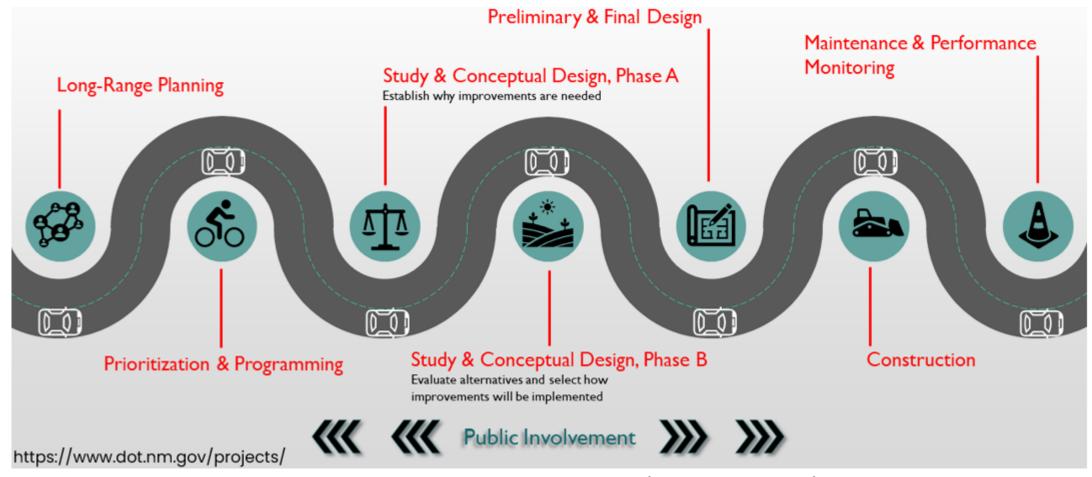
Project Notes

Important items to note:

- MassDOT data is as of March 1, 2024
- MBTA data reflects the January 31, 2024 Diversions and Track Outage Construction Schedule and November 9, 2023 Track Improvement Program.
- Heat maps include Highway and MBTA projects with roadway lane closures and transit service disruptions/diversion during all time periods.
- Not all projects have fixed work zones (e.g., various location highway maintenance projects).
- MBTA projects beyond 2024 were not included due to unconfirmed scheduling and impacts.
- MBTA project data supplied to Highway Division has not been finalized by MBTA and is subject to change.



Typical Project Programming Process

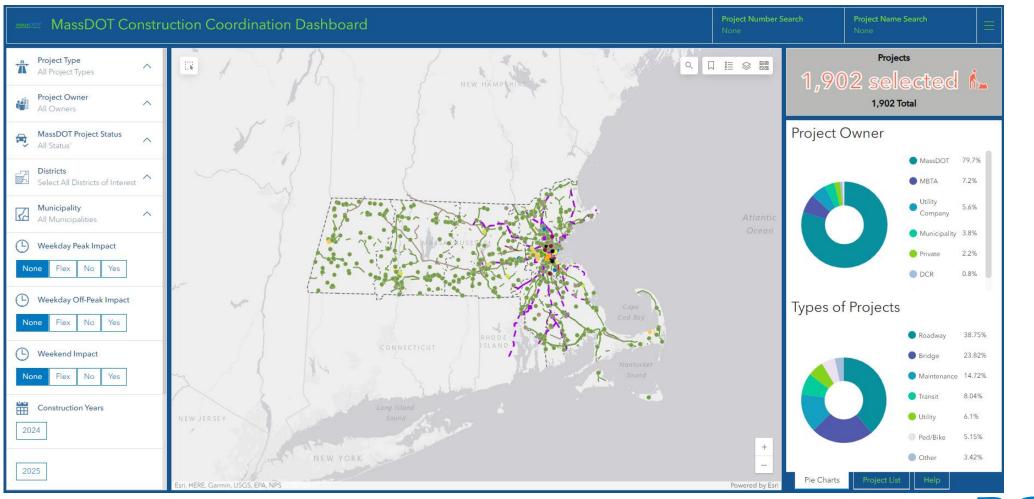


Process can take several years to get from Planning to Advertising (Pre-Construction)



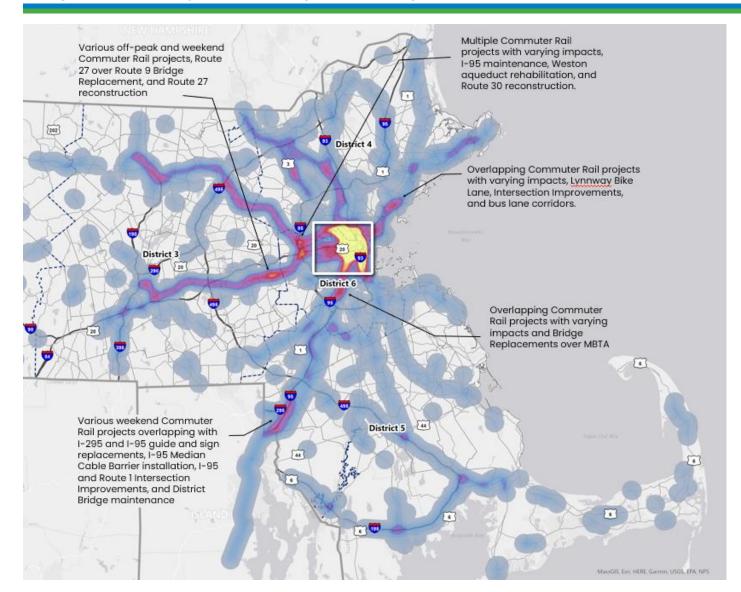
Project Dashboard

2024-2028 Project Years





Project Density Heat Map & Hot Spot Identification - Boston Core



18

• 601 Projects

• Focus on Boston Core projects



Boston Core Anticipated Schedule

MBTA Project with Unconfirmed Impacts

Potential Capacity Constraints (TBD)

	Jan-2 Jan-2 Jun-2
a	MBTA Projects with Unconfirmed Impacts
Project Title	
40 Red Line - Floating Slabs (Alewife-Harvard)	
41 Commuter Rail - ATC Newburyport/Rockport (North Station to Beverly)	
42 Commuter Rail - North Station Terminal Area Signal Improvement (All Lines)	
43 Red Line - Alewife Crossover	
44 Green Line - Symphony Station Improvements (Boston)	
45 Commuter Rail - South Station Tower 1 Early Action Project (All Lines)	
46 Orange Line - Tufts Curve Rail Fasteners Replacement – FTA Dir 22-4 CAP 3	
47 Massachusetts Ave (Arlington) Outbound Bus Lane	
48 Green Line D Branch - Station Accessibility Project (Newton Highlands)	

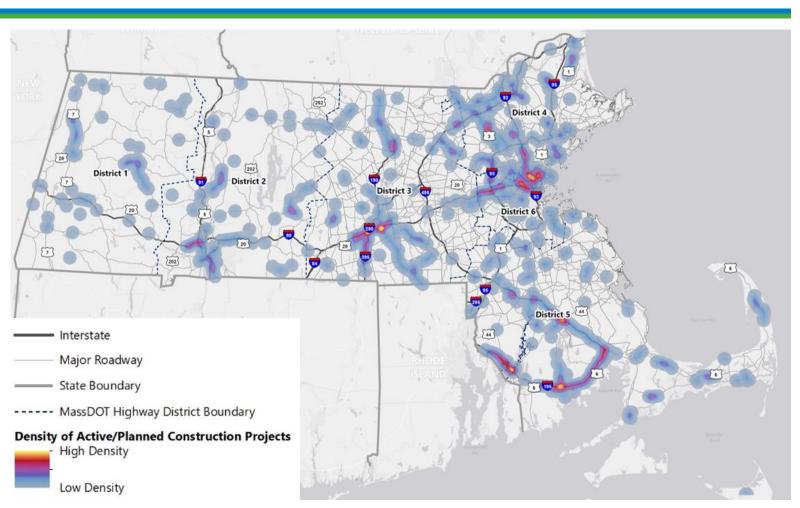


Project Density Heat Map

- 463 Projects
- As of March 1, 2024

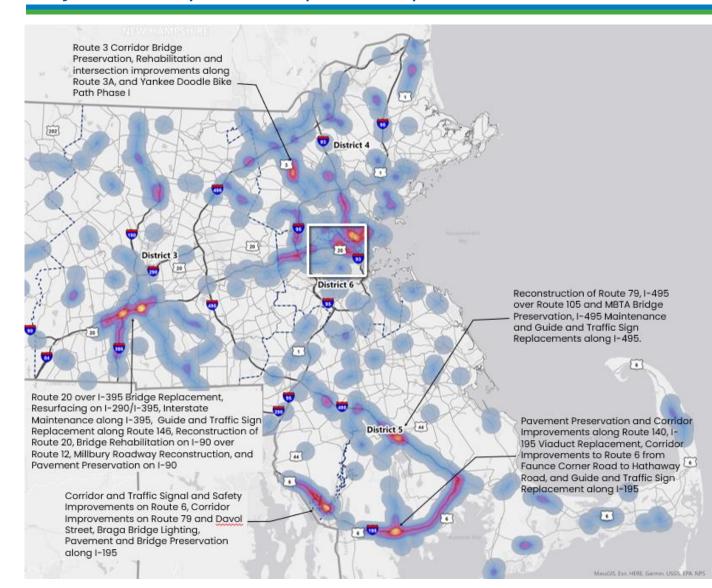
Project Type	Number	Percent of Total
Roadway*	271	59%
Bridge	168	36%
Transit	1	0%
Ped/Bike	20	4%
Utilities	3	1%
Owner/ Proponent	Number	Percent of Total
MassDOT Highway	440	95%
Other	23	5%

*Roadway projects also include maintenance projects with flexible impacts.





Project Density Heat Map & Hot Spot Identification - Boston Core



- 463 Projects
- Focus on Boston Core projects

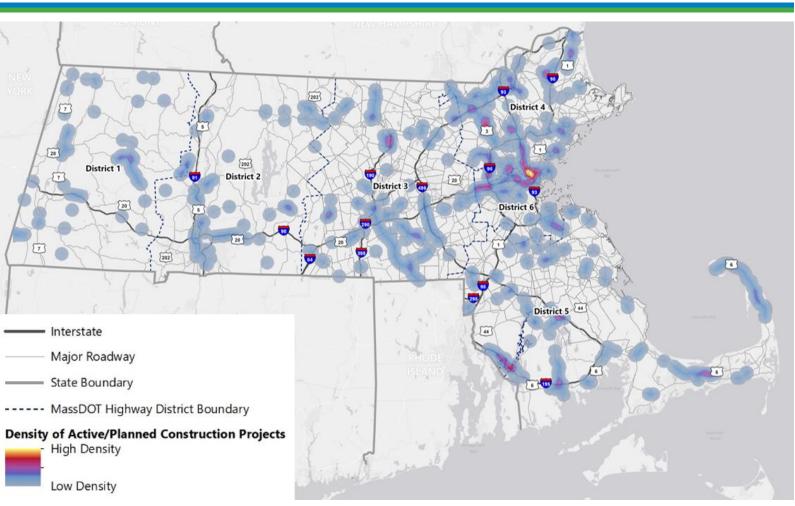


Project Density Heat Map

- 380 Projects
- As of March 1, 2024

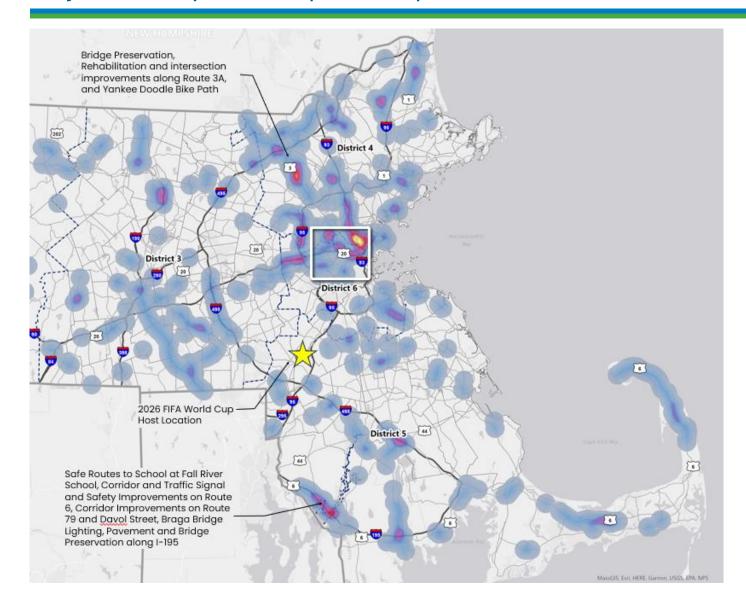
Project Type	Number	Percent of Total
Roadway*	223	59%
Bridge	140	37%
Transit	0	0%
Ped/Bike	15	4%
Utilities	2	0%
Owner/ Proponent	Number	Percent of Total
MassDOT Highway	4365	96%
Other	15	4%

*Roadway projects also include maintenance projects with flexible impacts.





Project Density Heat Map & Hot Spot Identification - Boston Core



- 380 Projects
- Focus on Boston Core projects

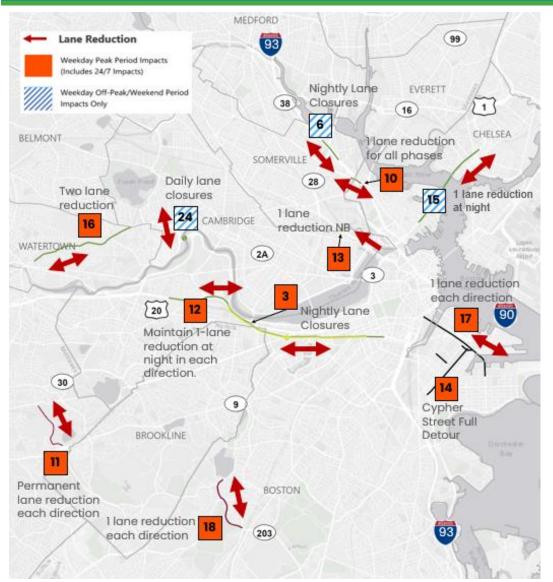


Review of Transportation Impacts – Summer 2024





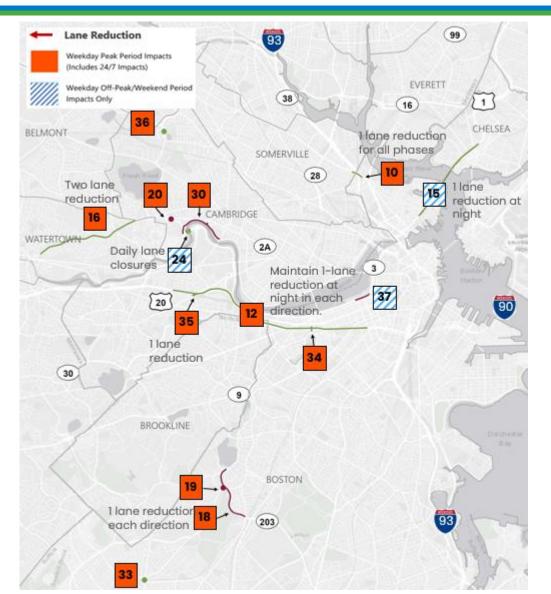
Review of Long-Term Lane Closures – Summer 2024



- 3 I-90 Air-Rights Parcel 7 and Prudential Tunnel Lighting Rehabilitation
- 6 Somerville Viaduct
- 10 Maffa Way & Mystic Avenue Railroad Bridge Replacement
- 11 DCR Hammond Pond Parkway Road Diet
- 12 Bridge Preservations for I-90 over MBTA (Allston Multimodal)
- 13 MassDOT Permit Project 15 McGrath Highway (Route 28) Cambridge
- 14 Massport Roadway Reconstruction Cypher Street, E Street, Fargo Street
- 15 Tobin Bridge Structural Cleaning, Painting, Steel Repairs, Deck Repairs and Resurfacing
- 16 Mount Auburn Street (Route 16) Rehabilitation
- 17 South Boston Bike Lane Construction
- 18 DCR Arborway
- 24 Eliot Street Bridge over the Charles River Repairs



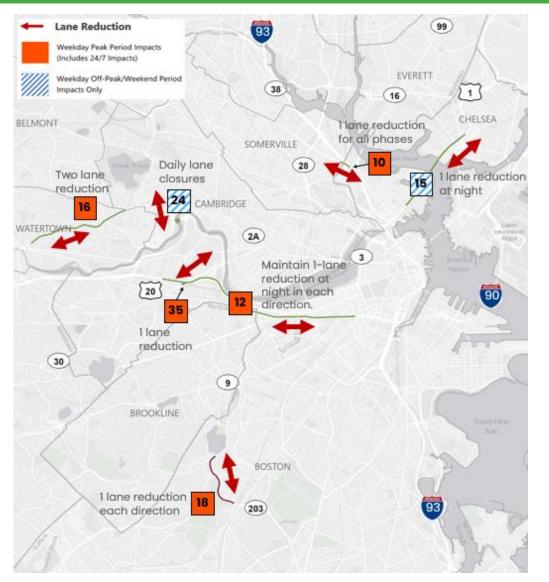
Review of Transportation Impacts – Summer 2025



- 10 Maffa Way & Mystic Avenue Railroad Bridge Replacement
- 12 Bridge Preservations for I-90 over MBTA (Allston Multimodal)
- 15 Tobin Bridge Structural Cleaning, Painting, Steel Repairs, Deck Repairs and Resurfacing
- 16 Mount Auburn Street (Route 16) Rehabilitation
- 18 DCR Arborway
- 19 DCR Arborway at Murray Circle
- 20 Fresh Pond Parkway/Mt. Auburn Street (long-term)
- 24 Eliot Street Bridge over the Charles River Repairs
- 30 Memorial Drive, Eliot Bridge to N. Harvard Street
- 33 West Roxbury Parkway over MBTA Bridge Reconstruction
- 34 Bowker Overpass over I-90, MBTA/CSX, Ipswich Street Rehab
- 35 Cambridge Street over I-90 Deck Replacement
- 36 US Route 3/Route 16/Route 2 over MBTA Bridge Replacement
- 37 DCR Storrow Drive Interim Repairs



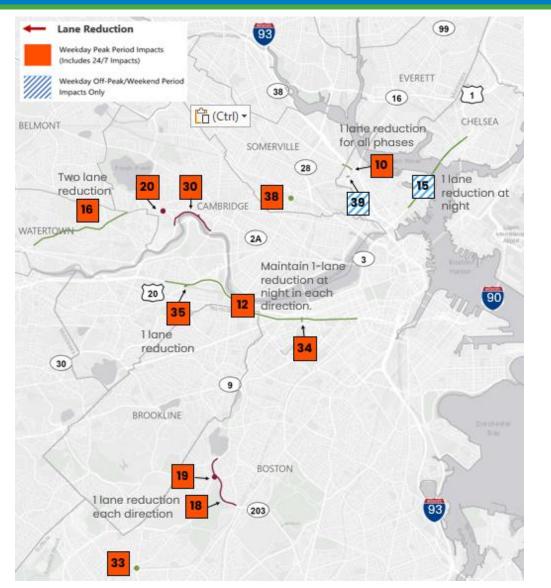
Review of Long-Term Lane Closures – Summer 2025



- 10 Maffa Way & Mystic Avenue Railroad Bridge Replacement
- 12 Bridge Preservations for I-90 over MBTA (Allston Multimodal)
- 15 Tobin Bridge Structural Cleaning, Painting, Steel Repairs, Deck Repairs and Resurfacing
- 16 Mount Auburn Street (Route 16) Rehabilitation
- 18 DCR Arborway
- 24 Eliot Street Bridge over the Charles River Repairs
- 35 Cambridge Street over I-90 Deck Replacement



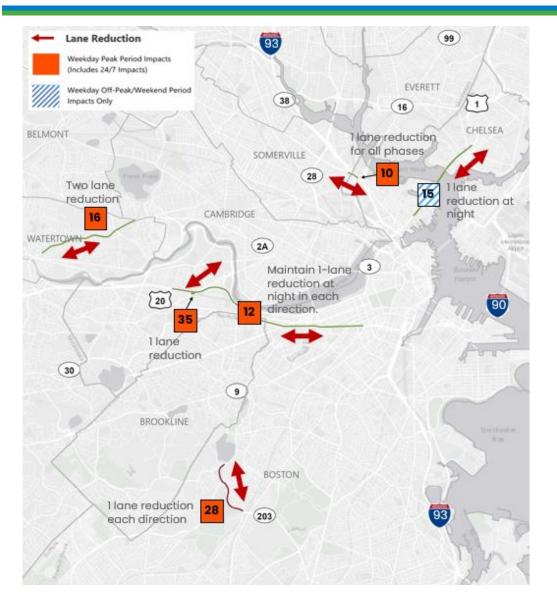
Review of Transportation Impacts – Summer 2026



- 10 Maffa Way & Mystic Avenue Railroad Bridge Replacement
- 12 Bridge Preservations for I-90 over MBTA (Allston Multimodal)
- 15 Tobin Bridge Structural Cleaning, Painting, Steel Repairs, Deck Repairs and Resurfacing
- 16 Mount Auburn Street (Route 16) Rehabilitation
- 18 DCR Arborway
- 19 DCR Arborway at Murray Circle
- 20 Fresh Pond Parkway/Mt. Auburn Street (long-term)
- 30 Memorial Drive, Eliot Bridge to N. Harvard Street
- 33 West Roxbury Parkway over MBTA Bridge Reconstruction
- 34 Bowker Overpass over I-90, MBTA/CSX, Ipswich Street Rehab
- 35 Cambridge Street over I-90 Deck Replacement
- 38 Webster Avenue over MBTA & BMRR Bridge Replacement
- 39 Cambridge Street over MBTA Bridge Preservation



Review of Long-Term Lane Closures – Summer 2026



- 10 Maffa Way & Mystic Avenue Railroad Bridge Replacement
- 12 Bridge Preservations for I-90 over MBTA (Allston Multimodal)
- 15 Tobin Bridge Structural Cleaning, Painting, Steel Repairs, Deck Repairs and Resurfacing
- 16 Mount Auburn Street (Route 16) Rehabilitation
- 18 DCR Arborway
- 35 Cambridge Street over I-90 Deck Replacement



Looking Ahead: Highway Division Major Projects

2024 and Beyond

		1-2024	q2-2024 Q3-2024	Q4-2024	Q2-2025	Q3-2025	Q4-2025 O1-2026	Q2-2026	Q3-2026	Q4-2026	Q2-2027	Q3-2027	Q4-2027	Q2-2028	Q3-2028	1-2028	Q1-2029	3-2029	Q4-2029	Q1-2030	Q2-2030 Q3-2030	Q4-2030	Q1-2031	Q2-2031 Q3-2031	Q4-2031	Q1-2032 Q2-2032	Q3-2032 Q4-2032
Project ⁻	Title	5 8	3 8	ð ö	2 2	ö	δċ	ð	ö	δč	9 8	ö	ðč	ðð	ö	ð	5 6	ðö	ð	δ 6	3 8	ð	99	3 8	ð	<u>8</u> 8	öð
	oute 27 over Route 9 Interchange Reconstruction																										
	ford: I-195 / Route 18 Interchange Reconstruction																										
3 Boston: B	Bowker Overpass over I-90/MBTA/Ipswich St Bridge Replacement																										
4 Boston: C	Cambridge Street over I-90 Bridge Deck Replacement			P																							
5 Bourne B	ridge Rehabilitaion (Army Corp)			P																							
6 Andover:	I-93 over Merrimack River Bridge Preservation			P																							
7 Worceste	er: Harrison Street and Laurel Street over I-290 Bridge Reconstruction																										
8 Chicopee	:: I-391 over Route 116 (Chicopee Street) Bridge Replacement																										
9 Springfiel	ld: Tapley Street over I-291/CSX Bridge Replacement																										
10 Cambridg	ge: Land Boulevard over Broad Canal Bridge Replacement						₽																				
11 Somervill	le: I-93 Somerville Viaduct Bridge Rehabilitation Phase 2																										
	reet over the Mill River and South Main Street over the Mill River eplacement						P																				
13 Allston: I-	-90 Allston Multimodal Transportation Project								P																		
14 Boston: S	storrow Drive over Bowker Ramps Bridge Replacement									P																	
15 Somervill	le: McGrath Boulevard Reconstruction										P																
16 Springfiel	ld: St James Avenue over I-291/CSX Bridge Replacement										P																
17 New Bedf	ford/Fairhaven: Swing Bridge Replacement										P																
18 Somervill	le: Route 20 (Park Avenue) over Connecticut River Bridge Replacement										₽																
19 Bourne/S	Sagamore: Cape Cod Canal											•															
20 Russell: B	Bridge Street over Westfield River Bridge Replacement													P													

Weekday Peak Period Impacts (Includes 24/7 Impacts)

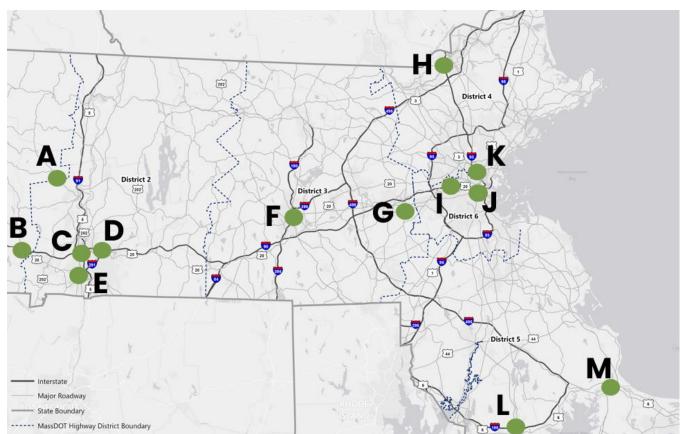
Potential Capacity Constraints (TBD)



30

Looking Ahead: Highway Division Major Projects 2024 and Beyond (1 of 2)

- A. Russell Bridge Street over the Mill River and South Main Street over the Mill River Bridge Replacement
- B. Williamsburg Bridge Street over Westfield River Bridge Replacement
- C. Chicopee I-391 over Route 116 (Chicopee Street) Bridge Replacement
- D. Springfield/West Springfield Route 20 (Park Avenue) over Connecticut River Bridge Replacement
- E. Springfield Tapley Street and St James Avenue over I-291/CSX Bridge Replacement
- F. Worcester Harrison Street and Laurel Street over I-290 Bridge Reconstruction
- G. Natick Route 27 over Route 9 Interchange Reconstruction
- H. Andover I-93 over Merrimack River Bridge Preservation





Looking Ahead: Highway Division Major Projects 2024 and Beyond (2 of 2)

I. Cambridge Street over I-90 Bridge Deck Replacement

Boston – I-90 Allston Multimodal Transportation Project

J. Boston – Bowker Overpass over I-90/MBTA/Ipswich Street Bridge Replacement

Boston – Storrow Drive over Bowker Ramps Bridge Replacement

K. Somerville - McGrath Boulevard Reconstruction

Somerville – I-93 Viaduct Bridge Rehabilitation Ph 2

Cambridge – Land Boulevard over Broad Canal Bridge Replacement

L. New Bedford – I-195/Route 18 Interchange Reconstruction

New Bedford/Fairhaven – Swing Bridge Replacement

M. Bourne/Sagamore - Cape Cod Canal

