

2020 Construction Coordination & Management Planning

Amy Getchell
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2020 Construction Coordination Overview

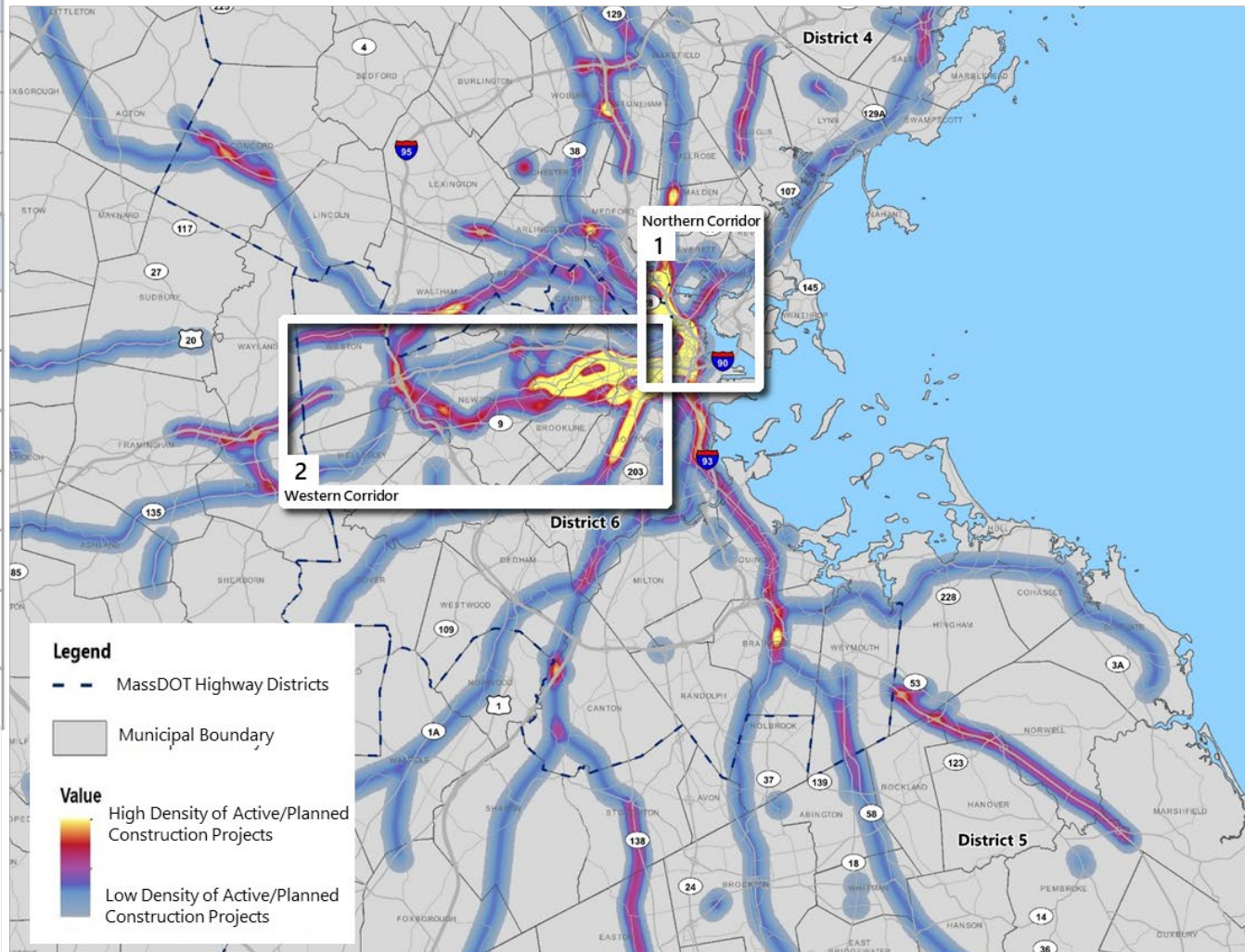
- MassDOT and MBTA continue to work collaboratively to coordinated 2020 construction seasons
- Ultimate goal is to have ongoing coordinated effort to maximize mobility in the face of multiple Highway, municipal road and bridge, private development, and Transit projects that reduce capacity and/or create the need for diversions
- Fully coordinated effort includes:
 - Project identification, sequencing, and coordination
 - Development and implementation of mitigation, diversion, and mobility options
 - Customer/Stakeholder outreach and communication strategy
- This deck focuses on the 2020 construction season plan
 - As construction unfolds, dates and timelines may change

2020 Project Density Heat Map

Owner/ Proponent	Number	Percent of Total
MassDOT Highway	75	63%
MBTA	36	30%
Other	8	7%
Project Type	Number	Percent of Total
Roadway	58	49%
Bridge	15	13%
Transit *	36	30%
Ped/Bike	4	3%
Utilities	4	3%
Development	2	2%
Other	0	0%

Highway & transit projects with roadway lane closures, transit service disruptions/diversions, and/or parking impacts during all time periods.

Not all projects have fixed work zones.



Northern Corridor Construction Analysis

Identification of Ongoing and Upcoming Construction Anticipated Project Schedule – 2020-2021

Project	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Chelsea Commuter Rail Station (Silver Line Gateway Phase 2)																										
Green Line Extension (Highway/Bridge Impacts)																										
Green Line - Lechmere Viaduct Rehabilitation																										
Orange Line - Sullivan to Tufts (Wayfinding & Station Improvements)																										
Red Line - Alewife to Harvard (Concrete Slab Foundation & Harvard Station Brightening)																										
Tobin Bridge Deck Rehabilitation																										
Chelsea Viaduct Reconstruction																										
North Washington Street Bridge																										
Cambridge Crossing (NorthPoint) - Phases 1 & 2A Mitigation																										
Orange Line - Oak Grove to Sullivan (Wellington Yard)																										
Blue Line - Bowdoin to Airport (Tunnel Infrastructure Improvements)																										
Silver Line - South Station to World Trade Center (Leak Remediation)																										
Commuter Rail - Lowell Line (PTC & ATC)																										
Commuter Rail - Haverhill Line (New Interlocking)																										
Charles River Dam Road																										
HYM (Suffolk Downs) - Phase 1R Mitigation Various Locations (As presented in the DEIR)																										



Active Construction with Lane Impacts – Daytime Off-Peak and Nighttime



Active Construction with Lane/Service Impacts – 24



Active Construction with Track Shutdown & Weekend Bus Diversions



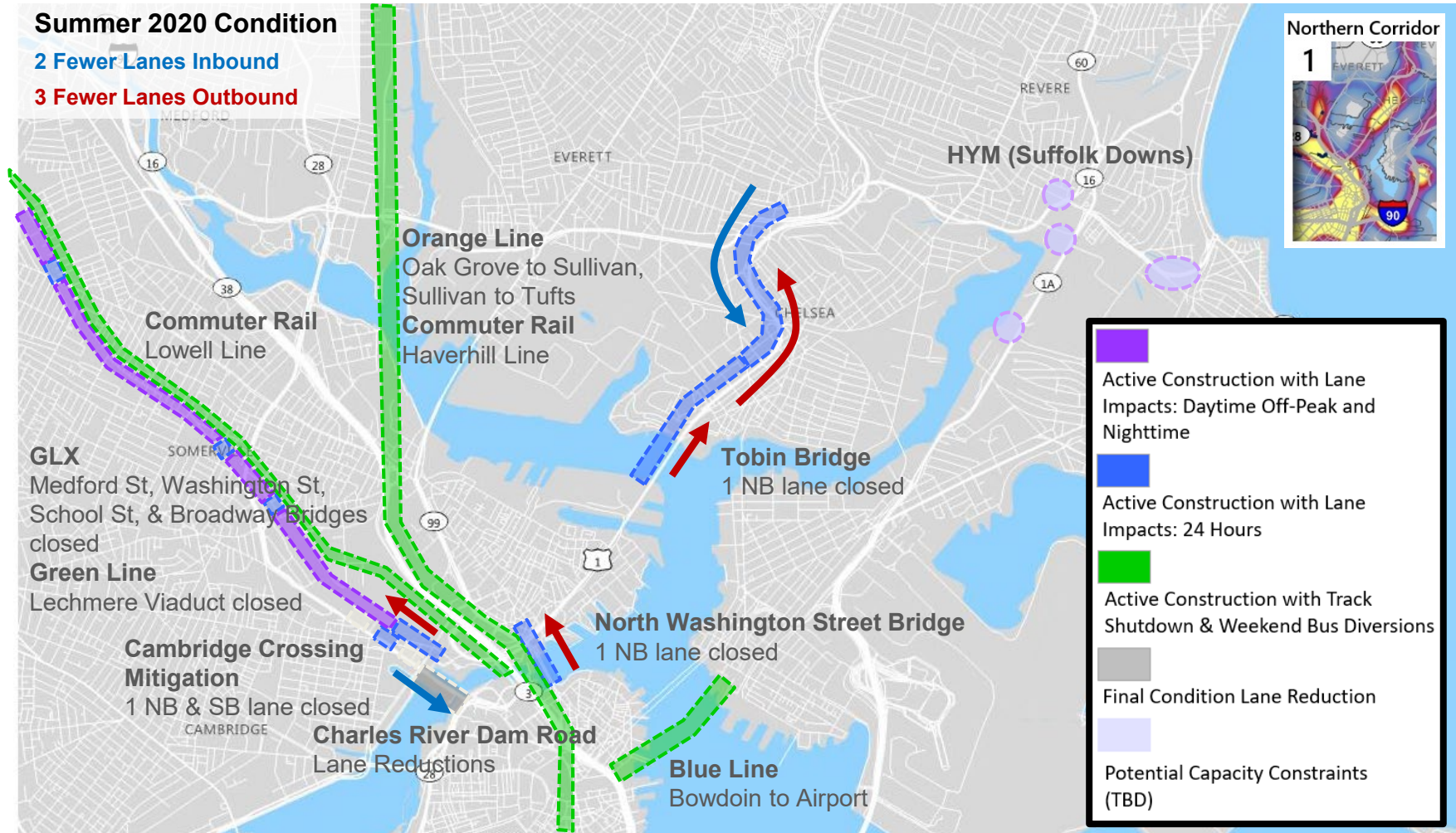
Final Condition Lane Reduction



Potential Capacity Constraints (TBD)

Northern Corridor Construction Analysis

Analysis of Traffic Impacts SUMMER 2020



Northern Corridor Construction Analysis

Highway Project Benefits

Project	Benefit
Tobin Bridge Deck Rehabilitation & Chelsea Viaduct Reconstruction	Remove 15% of the Commonwealth's Structurally Deficient bridge deck inventory
North Washington Street Bridge	Remove Structurally Deficient bridge, new bridge with multi-modal accommodations, dedicated bus lane inbound to Boston
Charles River Dam Road	Permeant travel lane reductions to add bicycle lanes

Northern Corridor Construction Analysis

MBTA Project Benefits

Project	Benefit
Chelsea Commuter Rail Station (Silver Line Gateway Phase 2)	New commuter rail station with intermodal connections to new Silver Line Bus Rapid Transit Station, improve operations
Green Line Viaduct	Extend service life, reduce future maintenance and repair costs, increase load-carrying capacity, improve operating standards
Orange Line – Sullivan to Tufts	Mitigate risk of service interruptions, improve accessibility and wayfinding signage
Red Line – Alewife to Harvard	Improve reliability and modernization goals, improve travel time
Orange Line – Oak Grove to Sullivan	Improve reliability, modernization upgrades, improve accessibility
Blue Line – Bowdoin to Airport	Address ongoing leak issues that result in infrastructure deterioration, improve travel time
Silver Line – South Station to World Trade Center	Improve overall system resiliency, improve customer station experience
Commuter Rail – Lowell Line	Improve safety, improve operating efficiencies, improve performance
Commuter Rail – Haverhill Line	Mitigate impact of service disruptions, improve travel time

Western Corridor Construction Analysis

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Green Line - B Branch Boston College to Babcock (Track & Intersection Upgrades)																										
Brookline Hills MBTA Station (New Station due to Brookline High School Construction)																										
Green Line - D Branch (Track & Intersection Upgrades)																										
Commuter Rail - Worcester Line (PTC &ATC)																										
Green Line - C Branch Cleveland Circle to Kenmore (Track & Intersection Upgrades)																										
Green Line - E Branch Heath to Prudential (Track & Intersection Upgrades)																										
Green Line - B Branch Babcock to Blandford (Station Consolidations)																										
Route 9 & Village Square (Gateway East) Intersection Improvements																										
I-90 Air-Rights Parcel 12																										
MassDOT/MBTA I-90 Tunnel Safety Work																										



Active Construction with Lane Impacts:
Daytime Off-Peak and Nighttime



Active Construction with
Lane/Service Impacts: 24 Hours

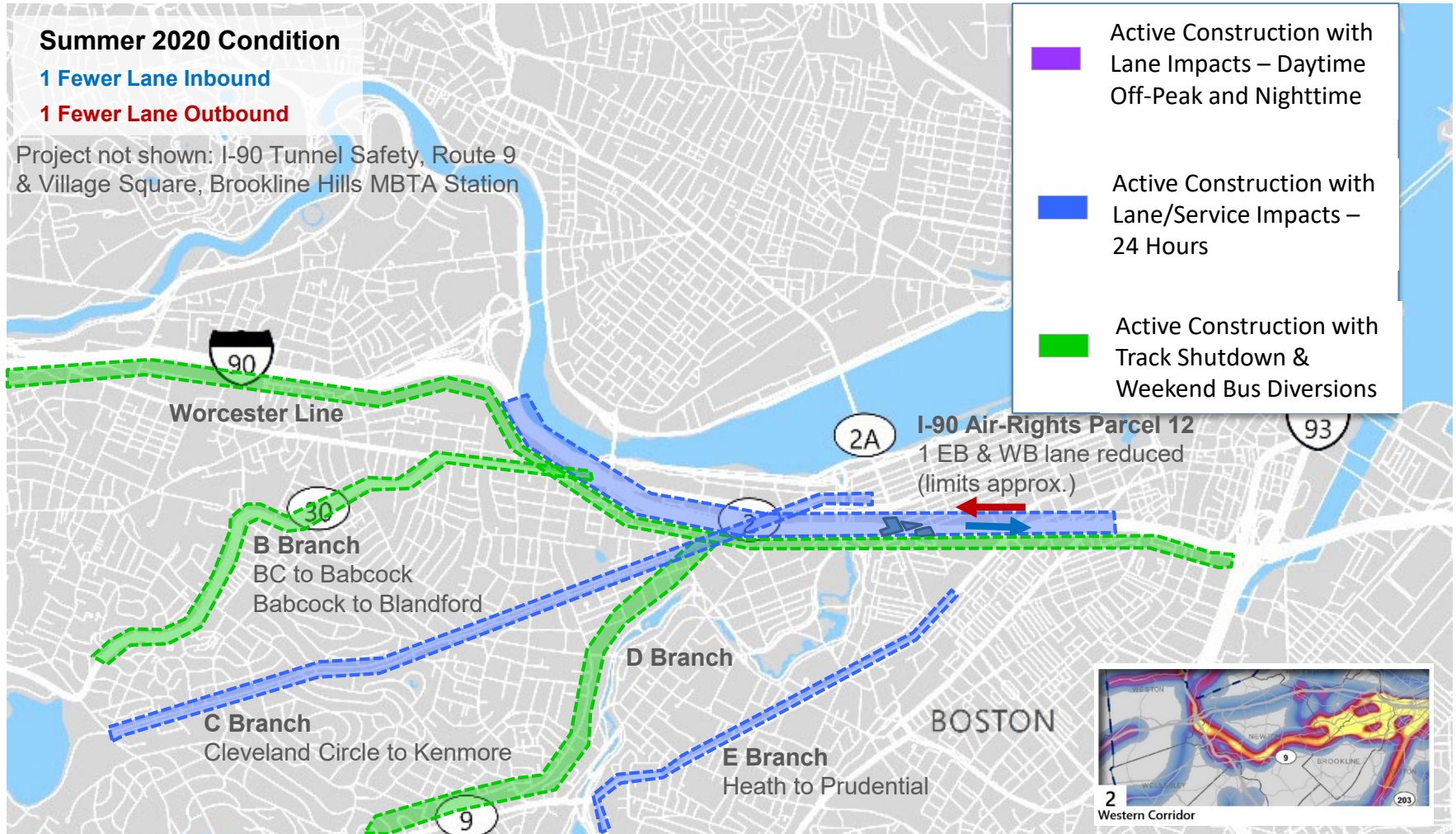


Active Construction with Track
Shutdown & Weekend Bus Diversions

Western Corridor Construction Analysis

Analysis of Traffic Impacts

SUMMER 2020



Western Corridor Construction Analysis

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