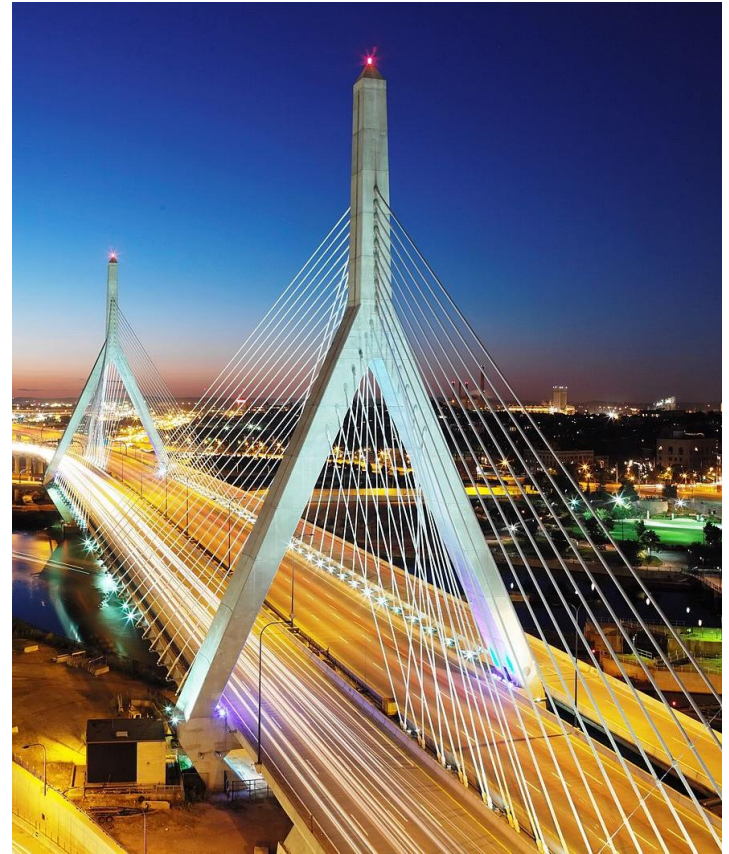


**MassDOT Highway
ACEC – State Markets Conference
April 4, 2019**

Jonathan Gulliver, Highway Administrator

About MassDOT Highway

- 9,561 Lane Miles of Interstate, Numbered Routes, and Toll Roads – 60% of all trips
- Own 3,492 federal definition bridges (over 20 feet in span)
- Inspect 1,615 municipally owned federal definition bridges
- 35 lane miles of Tunnels
- \$1.2 Billion Capital Program



MassDOT Year in Review

- Successfully Completed Major Projects
 - Whittier Bridge
 - Longfellow Bridge
 - Fore Rive Bridge
 - Comm Ave Bridge

- Major Construction and Advertisement Program
 - Chelsea Viaduct
 - Haverhill - I-495 Bridge Replacement
 - South Coast Rail Early Action
 - Over \$1 Billion Spent
 - 182 projects advertised
 - 163 NTP's Issued

- Municipal Programs
 - Complete Streets
 - Municipal Small Bridge



Upcoming Priorities - Engineering

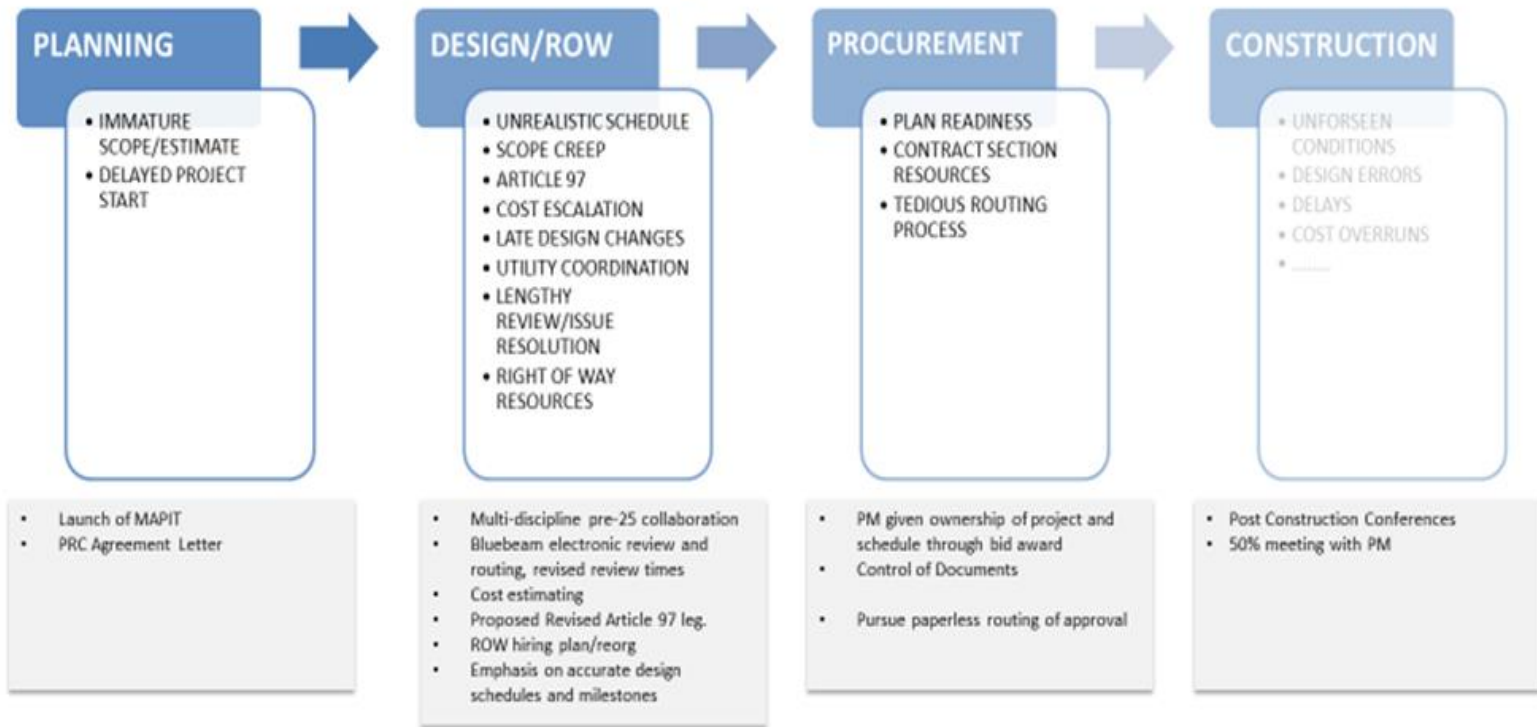
- Asset and Risk Based Approach to Capital Program Development and Project Management



Improving and Minimizing Risk - Capital Program Delivery



Risks to Capital Program Delivery



4/3/2019

Draft for Discussion and Policy Purposes Only

2

■ Baker-Polito Work Zone Safety Legislation



- Variable Speed Limits
- Side Guards and Mirrors
- Ignition Interlock
- Primary Seatbelt
- Hands Free
- Electric Scooter

Construction Coordination & Management Planning

- **MassDOT and MBTA have worked collaboratively to develop a more coordinated approach for 2018 and now 2019 construction seasons**

- **Ultimate goal is to have ongoing coordinated effort to maximize mobility in the face of multiple Highway and Transit projects that reduce capacity and creates diversions.**
 - Fully coordinated effort to include:
 - Project identification, sequencing, and coordination
 - Development of mitigation, diversion, and mobility options
 - Customer/Stakeholder outreach and communication strategy

- **This deck focuses on 2019 – 2020 construction seasons**

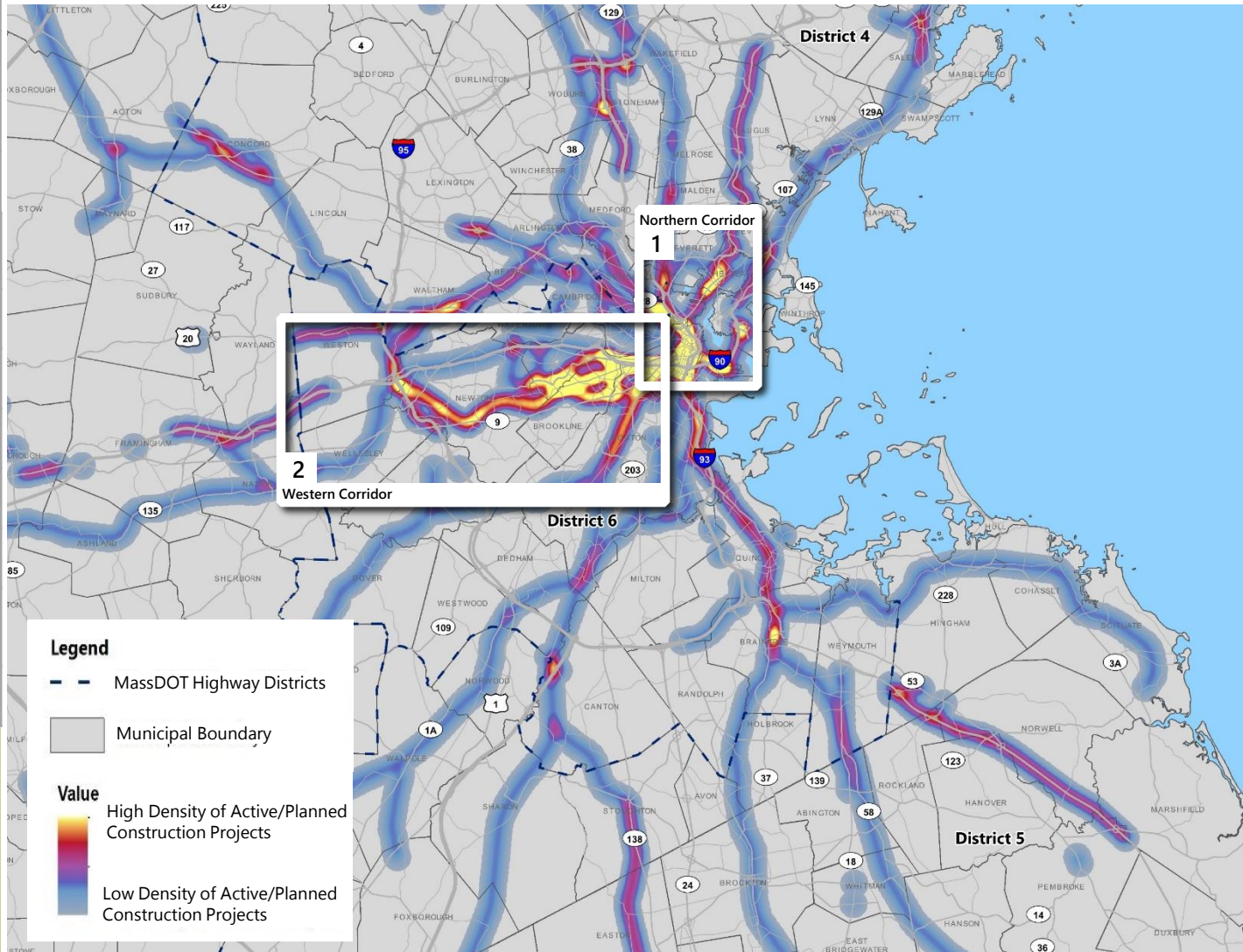
- **Previews 2021 construction season**

2019 Project Density Heat Map

Owner/Proponent	Number	Percent of Total
MassDOT Highway	87	70%
MBTA	32	25%
Other	6	5%
Project Type	Number	Percent of Total
Roadway	64	51%
Bridge	17	14%
Transit	32	26%
Ped/Bike	4	3%
Utilities	4	3%
Development	1	1%
Other	3	2%

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

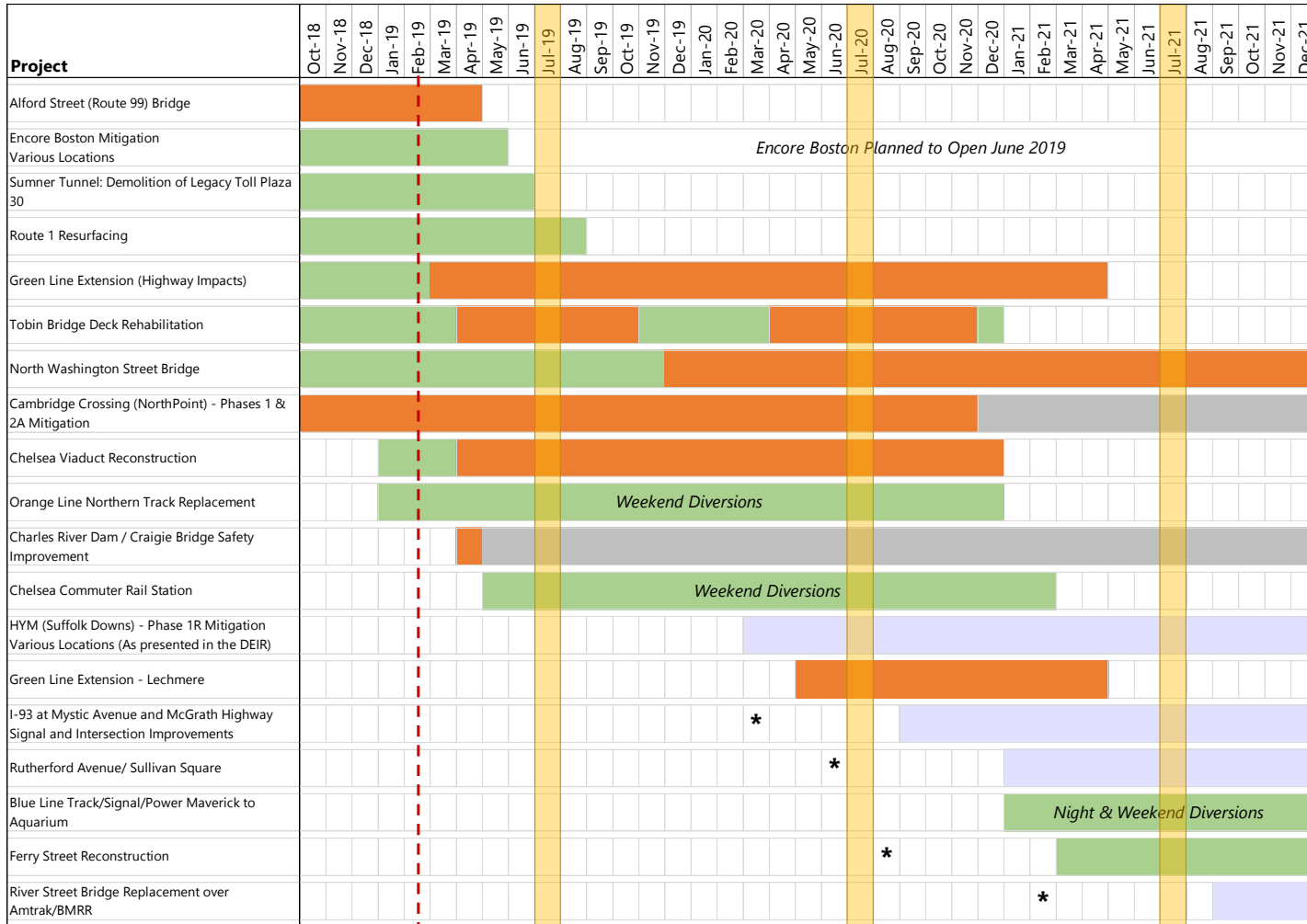
Not all projects have fixed work zones.



Northern Corridor Construction Analysis



Identification of Ongoing and Upcoming Construction Anticipated Project Schedule – 2019-2021

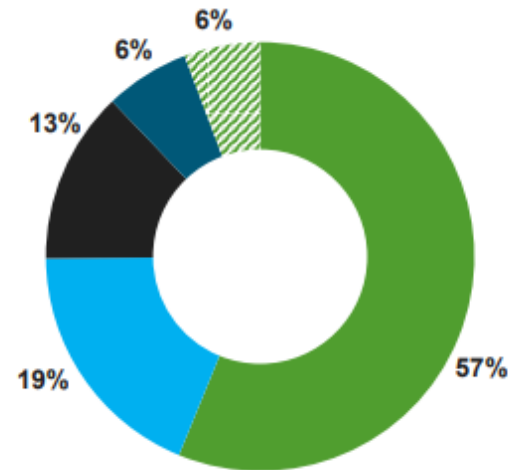


Outlook for 2019

- 5 Year CIP will be released later this year
- Allston Project Permitting
- 495/90 Interchange Permitting
- Similar sized Construction program
 - Tobin Bridge
 - Chelsea Viaduct
 - North Washington Street Bridge

5 year CIP – expected to be \$4.6 to \$4.8B for Highway with a continued focus on reliability

We have a similar sized construction program expecting to spend another \$1.2 billion



Overall spending by priority

Spending Priority	% of Total Spending
1 / Reliability	57%
2 / Modernization	19%
3 / Expansion	13%
Planning & Enterprise Services	6%
Chapter 90	6%

Design Build – Upcoming Projects



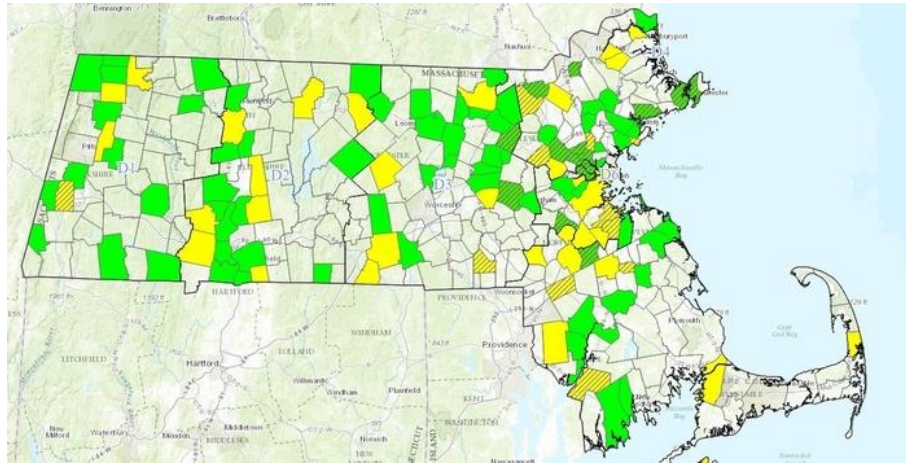
- Charlton – Oxford - Route 20
 - \$60 million
- Fall River – Route 79/Davol Street
 - \$70 million

- Hopkinton - 495/90 Interchange
 - \$270 million
- Boston – Allston Intermodal
 - ~ \$1 billion
- Newton-Weston – Multiple Bridges
 - \$180 million



Municipal Programs

Complete Streets



Municipal Small Bridge Program



Chapter 90

MassDOT Contract Opportunities



- Design Services to support CIP

- Specialty Services to support Highway Division activities
 - Environmental, Right of Way, Complete Streets, etc.

- Master Service Agreements (MSA)

- Right-of-Way
 - ROW Activities
 - ROW Plan Preparation and Review

- Salary Cap

massDOT
Transportation
Innovation
CONFERENCE

April 9 & 10, 2019 • DCU Center, Worcester, MA

Check out the latest state of the art technology, interactive displays, and the chance to share ideas with peers in related fields.

The annual conference put on by MassDOT is the largest transportation innovation conference in Massachusetts. With over 60 sponsors and exhibitors, the conference will have countless opportunities to meet with experts, as well as interactive demonstrations and engaging displays of cutting edge technology.



The 2019 conference will once again include the addition of the Massachusetts Community Transportation Coordination Conference as part of the MassDOT Transportation Innovation Conference. The inspiration behind combining conferences is the increasing interest among stakeholders in collaborating to address transportation barriers for pedestrians, seniors, and people with disabilities.

www.MassDOTInnovation.com

Thank you