

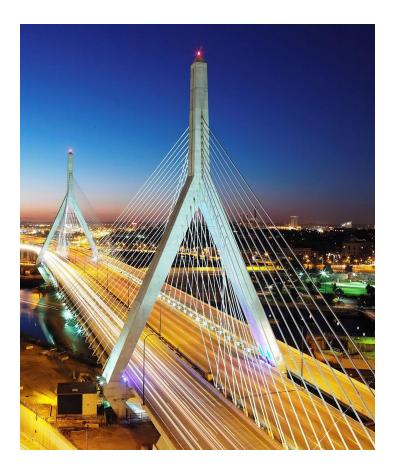
MassDOT Highway ACEC – State Markets Conference April 4, 2019

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



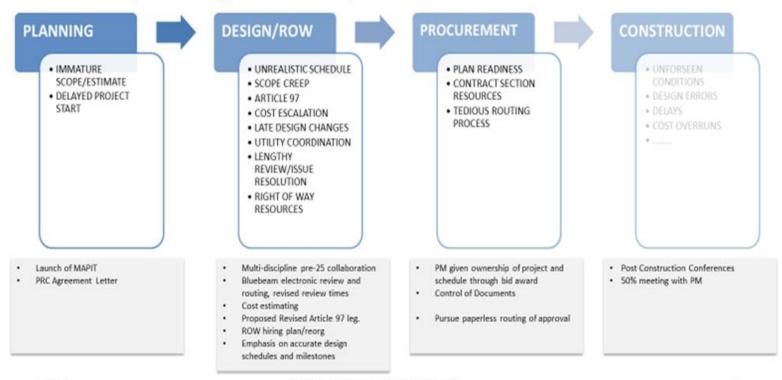
 Asset and Risk Based Approach to Capital Program Development and Project Management



Improving and Minimizing Risk - Capital Program Delivery



Risks to Capital Program Delivery



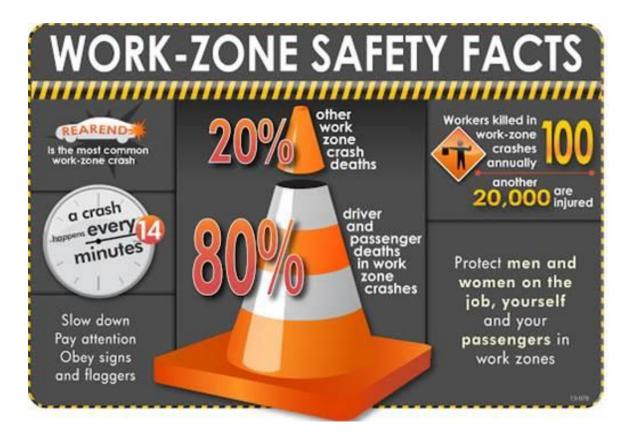
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Safety



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 s 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%	
МВТА	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 & tra	ansit proje	ects	
transit servic diversions, a impacts durin periods.	Not all projects have fixed		

Northern Corridor Construction Analysis

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



Active Construction with Lane/Track Impacts – Off Peak Active Construction with Lane/Track Impacts – 24 Hours Final Condition Lane Reduction Potential Capacity Constraints * Planned Ad Date

	18	-18	-18	19	19	19	-19	19	6	-19	-19	19	-19	-19	20	20	-20	20	-20			07-	20		02-	2 5	- 2	51	-21	21	12-2	7	1	-21	-21	21	-21
Project	Oct-18	Nov-18	Dec	Jan-19	Feb-19	Mar-19 Anr-19	May-19	Jun-19	Jul-19	Aug	Sep-19	b O U	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20			Aug	Sep-20				12-11PC	Feb.	Mar-21	Apr-21	May-21	12-unr	Jul-21	Aug-21	Sep-	Oct-21	Dec-21
Alford Street (Route 99) Bridge					i.																																
Encore Boston Mitigation Various Locations					È					Encore Bost							ton	n Planned to Open June 2019																			
Sumner Tunnel: Demolition of Legacy Toll Plaza 30					l.																																
Route 1 Resurfacing					ļ.																																
Green Line Extension (Highway Impacts)					į.																																
Tobin Bridge Deck Rehabilitation					i.																																
North Washington Street Bridge					Ľ																																
Cambridge Crossing (NorthPoint) - Phases 1 & 2A Mitigation																																					
Chelsea Viaduct Reconstruction					i.																																
Orange Line Northern Track Replacement					i.							We	ekei	nd E	Dive	rsio	ns																				
Charles River Dam / Craigie Bridge Safety Improvement					!																																
Chelsea Commuter Rail Station					i										Wee	eker	nd E	Diver	sion	s																	
HYM (Suffolk Downs) - Phase 1R Mitigation Various Locations (As presented in the DEIR)					į.																																
Green Line Extension - Lechmere																																					
I-93 at Mystic Avenue and McGrath Highway Signal and Intersection Improvements																	*																				
Rutherford Avenue/ Sullivan Square					i														ţ	F																	
Blue Line Track/Signal/Power Maverick to Aquarium																												N	ligh	t &	Wee	eke	nd	Dive	rsio	ns	
Ferry Street Reconstruction					I I																4	*															
River Street Bridge Replacement over Amtrak/BMRR					l																						1	*									

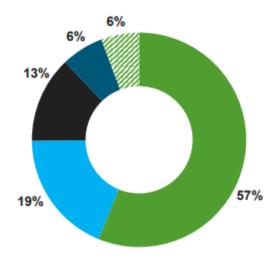
Outlook for 2019

- 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

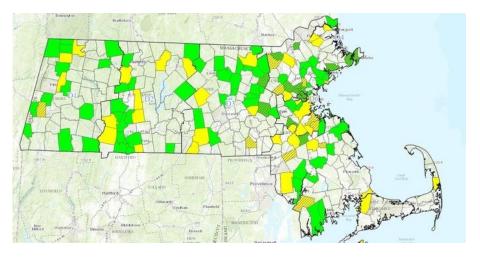


Municipal Programs



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



Transportation Invation

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