



## February 2021 PTAC Meeting: City Update

# Tonight's Topics

- 2021 Projects
- Vision Zero
- Davis Square signal improvements project
- I-93 Route 38/28 intersection safety project
- McGrath Resurfacing/Road Diet

# Vision Zero

Send comments, questions, other feedback by  
March 5th

# Davis Square Signal Improvements

**2017/2018:** worked with consultant to implement short term signal retiming improvements

**2020:** Construction grant from Boston Region MPO awarded

**2020/21:** Working with consultant to upgrade signal equipment, phasing and timing to increase safety for pedestrians. Working with MBTA to select Transit Signal Priority (TSP) technology.

**Late 2021:** Construction start



# Davis Square Signal Improvements

**Goal:** Prioritize vulnerable road users and buses throughout the intersection

## **Project includes**

- New signal equipment with audible technology and countdown timers
- Signal timing and phasing changes to address
  - Highland Ave. Left turn and Dover St. crossing
  - College Ave. at Highland crossing
  - Day St. crossing
- Transit signal priority

# I-93/Route 38/28 Intersection Improvements

- **December 2020:** public update, finalizing 25% design
- **February – April 2021:** MassDOT internal review of consultant designs
- **May/June:** design public hearing and public comment
- **August 2021 – September 2023:**
  - Finalizing design
  - Right-of-way
  - Permitting
- **September 2023 – September 2024:** construction

# McGrath Resurfacing and Road Diet

3rd Street to Broadway

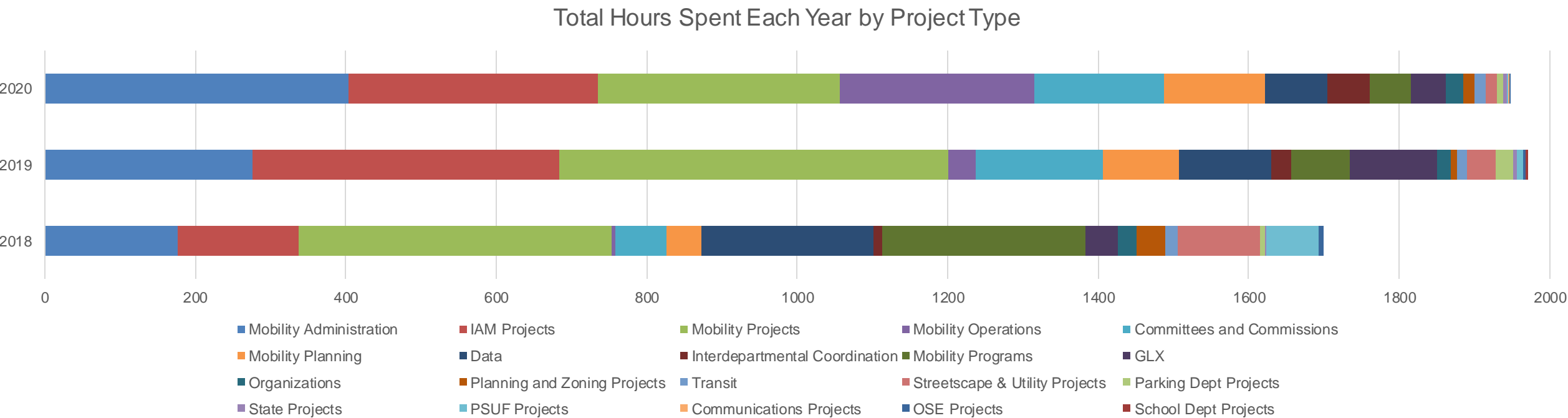
Construction start summer 2021

Scope includes:

- 20 new ADA ramps
- 2 miles of lane reduction per direction
- 2 miles of new buffered bike lane per direction
- Signal timing modification at Broadway + Pearl

# 2021 Projects and Priorities

## Process: Retrospective



\*data for one Mobility Division staff person



# 2021 Projects and Priorities

## Process: Planning

smartsheet									
Automation Forms Mobility Group Work Plan - CY 2021									
	Programs and Projects	Scope Notes for 2021	Non-Discretion...	Priority	Level of Effort	Mobility Lead	Mobility Support	Accomplishes VZ Action	Timeframe
1	<b>Mobility Planning</b>								
2	Create Citywide Parking Plan, Phase 1	curb inventory, highlight policy actions here to start to get people on board, early implementation	X		Moderate	JS	BR		
3	Create Citywide Parking Plan, Phase 2	policy development and data collection		2	High	JS	BR		
4	Create Citywide Mobility Plan	phasing strategy - one phase could be high priority, but need to triage - start with bus focus to inform MBTA bus network redesign most imp. - map and typology for spring hill, applied to entire city; prioritization plan, citywide network plan; procedure for implementing another phase would be citywide transit plan		1	High	AK	BR		
5	Create Citywide Bicycle Network Plan	SBAC starting their own work		1	High	JS	VA	SD 6.1	
6	Create Neighborways Plan and Toolkit	Neighborways is working on Toolkit		1	Moderate	VA	JS	SD 5.2	
7	Continue to implement VZ Action Plan	Report cards managing process	X		Moderate	AK	JS		
8	DOT organizational design	work to redefine Mobility Division	X		Moderate	JS	AK		
9	<b>Mobility Programs</b>								
10	<b>Data Collection and Database Management Program</b>								
1	Maintain Pavement Markings and flex post Database	maintenance of this database		1	Low	AP	JS		
2	Bike and Ped Count Data and Database Management	Same as previous years with addition of 15 TMC count locations Running volunteer program maintaining database	X		Low	AP	Team	DF 1.3	
3	Monitor and Analyze crash data	Focus on data sharing; coordination with VZ implementation Determine what data we use - state vs. local		1	Low	AP	JS		
4	Traffic Data and Database Management	Continue to save and maintain files for City-collected data and developer-generated data  Collect new data by identifying at least 10 locations to perform annual traffic speed, class, and volume monitoring; need to decide where we collect data, scheduling		1	Moderate	AP	JS	DF 1.2	

**~140 tasks**

- Plans
- Projects
- Interdepartmental/inter-agency coordination
- Administration/contracts

**Prioritize**

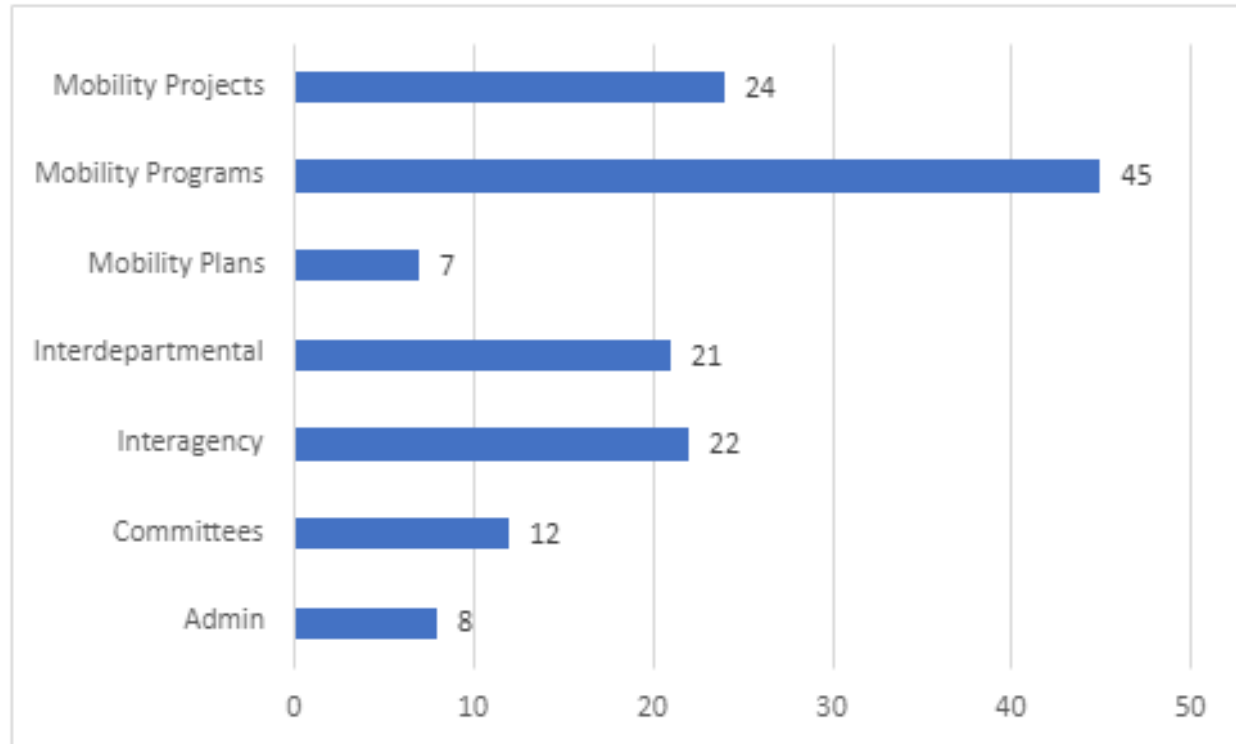
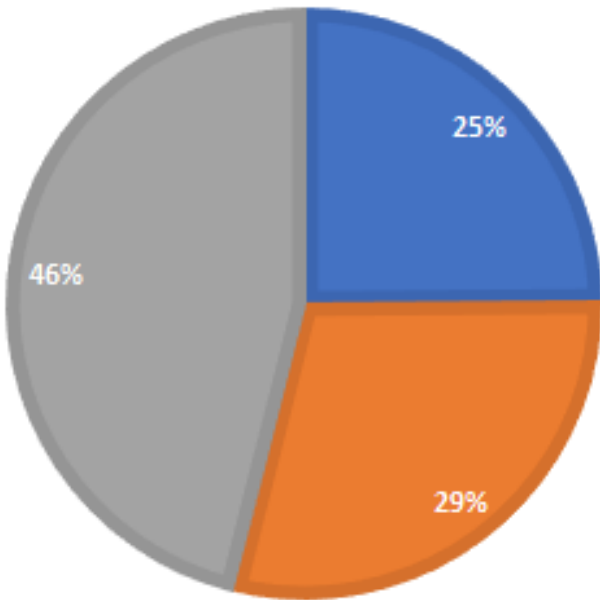
**Assign PM**

**Estimate workload**

# 2021 Projects and Priorities

~140 total

■ non discretionary ■ priority 1 ■ priority 2 and 3



Non-Discretionary Work in 2021 <i>(Draft 2-18-21)</i>	
<b>Interdepartmental</b>	<b>Administrative</b>
Private Development Regulatory Review (MEPA)	File Management - Standardization
Mobility Management Plan Monitoring	<b>Committees, Commissions</b>
Private Development Regulatory Review (Local)	MBTA Coordination
Public Safety Building	Boston Region MPO - TIP, LRTP, UPWP, etc.
Assembly Sq Neighborhood Plan	Vision Zero Working Group
Brickbottom Neighborhood Plan	Somerville Bicycle Advisory Committee
Spring Hill Sewer Separation	Pedestrian & Transit Advisory Committee
Alewife Brook Parkway/PHB MassWorks project	Traffic Comission
Holland Street / College Ave	Lower Mystic Regional Working Group
<b>Mobility Planning</b>	Council Traffic & Parking Committee
Create Citywide Parking Plan, Phase 1	Resistat
Continue to implement VZ Action Plan	Assembly Square Transportation Management Association
<b>Mobility Programs</b>	<b>Interagency</b>
Bluebikes Bikeshare Program	GLX CP - Street Crossings (School Street, Central Street)
Bike and Ped Count Data and Database Management	Interstate 93 / Route 38 / Route 28 Design Oversight
<b>Mobility Projects</b>	MassDOT Silver Line Extension Study
Wellington Bridge Protected Bike Lane	McGrath / O'Brien Hwy Resurfacing
Mystic Ave Bus Priority	Eastern Washington Street bus / bike facilities
Powder House Circle quick-build improvements (quick-build)	
Davis Square Signal Improvements (permanent)	
Mystic and Shore Dr. Safety Improvements (permanent)	

Priority 1 Work in 2021 (Draft 2-18-21)	
<b>Administrative</b>	<b>Mobility Programs: outreach</b>
311 Gatekeeper / Miscellaneous Requests	Maintain and Update VZ web page with crash and speed data
Pavement Markings contract	Maintain main Mobility web page
<b>Interagency</b>	<b>Mobility Programs: pavement markings maintenance</b>
MBTA Bus Network Redesign	<b>Mobility Programs: SOPs and Policies</b>
MBTA PATI bus stop ADA upgrades	Snow storm and extreme weather SOP, including the prioritization of routes for walking, biking, or taking transit
Somerville and Everett Gaming Commission Silver Line Study	Develop Rapid Response Protocol for serious crashes or fatalities
McGrath Boulevard	Develop crosswalk spacing guidelines
<b>Interdepartmental</b>	<b>Mobility Programs: traffic calming</b>
Union Square Plaza and Streetscape	develop traffic calming project scoring
Kensington Underpass (design)	Expand 20mph Safety Zones
Poplar Street Pump Station/Art Farm (design)	<b>Mobility Projects: bike lanes</b>
Lower Medford (implementation)	Shore Drive Bike Lane
Somerville Ave Utility and Streetscape Improvements Project (implementation)	Broadway Bridge Connection (PBL)
<b>Mobility Planning</b>	Grand Union Boulevard Protected Bike Lanes
Multi-modal Plan	Beacon St. flex post installation
Citywide Bicycle Network Plan	Cedar St.
Neighborways Plan and Toolkit	Mt Vernon St.
<b>Mobility Programs - data</b>	<b>Mobility Projects: bus lanes</b>
Maintain Pavement Markings and flex post Database	Eastern Washington, Tufts to McGrath
Monitor and Analyze crash data	<b>Mobility Projects: gateway locations (2 locations for VZ)</b>
Traffic Data and Database Management	<b>Mobility Projects: intersections</b>
Identify and classify each major intersection within City jurisdiction.	Gilman Square Intersection Design (2021 work would be quick-build)
Identify and classify all mid-block crosswalks within the City	<b>Mobility Projects: mid-block locations (3 locations for VZ)</b>
	<b>Mobility Projects: Shared Curbs phase 2</b>
	<b>Mobility Projects: Shared Streets phase 2</b>

# 2021 Projects and Priorities

## Selecting project locations

- Developed database of intersections
- Developed scoring rubric
- Use to ID locations for permanent and quick-build projects

ADT (10 points)	
arterial-arterial	10
arterial-collector	8
arterial-local	6
collector-collector	4
collector-local	2
local-local	1
Safety (30 points)	
Crash rate	8 max points based on overall percentage of crash rate
Fatal and Severe Injury	3 points each (total possible = 6 points)
Ped Involved	2 points each (total possible = 10 points)
Bike Involved	2 points each (total possible = 6 points)
Vision Zero (15 points)	
Community of Concern	15