



Boston Region MPO Transportation Improvement Program (TIP) Overview

April 5, 2022

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Boston Region Metropolitan Planning Organization

April 5, 2022

AGENDA

1. **MPO/TIP basics**
2. Project selection
3. Recently funded projects
4. FFYs 2023-27 TIP summary
5. Timeline and look ahead
6. Discussion

Today's Presentation

- MPO/TIP basics
- Project selection
- Recently funded projects
- FFYs 2023-27 TIP summary
- Timeline and look ahead
- Discussion

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What is an MPO?

A federally required planning entity that engages governments (elected officials and various transportation agencies), residents, and other stakeholders in a **collaborative and transparent public process** to:

CREATE FRAMEWORK



Long-Range Transportation Plan

Develop a vision for multimodal transportation in the region
20-year vision and goals for the transportation system and prioritizing projects and programs to meet the vision

INVEST



Transportation Improvement Program

Rolling, five-year capital investment plan, including the shorter-term investments that help realize the long-term vision

STUDY & ANALYZE



Unified Planning Work Program

Carry out multimodal transportation planning at a regional scale
Annual work program for how federal planning funds are allocated to studies and technical analyses to benefit the region

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TIP Overview

What is the TIP?

- Five-year, rolling capital plan for Boston region
- Allocates all federal highway and transit funds
- Includes projects prioritized by MPO, MassDOT, MBTA, MWRTA, and CATA

INVEST

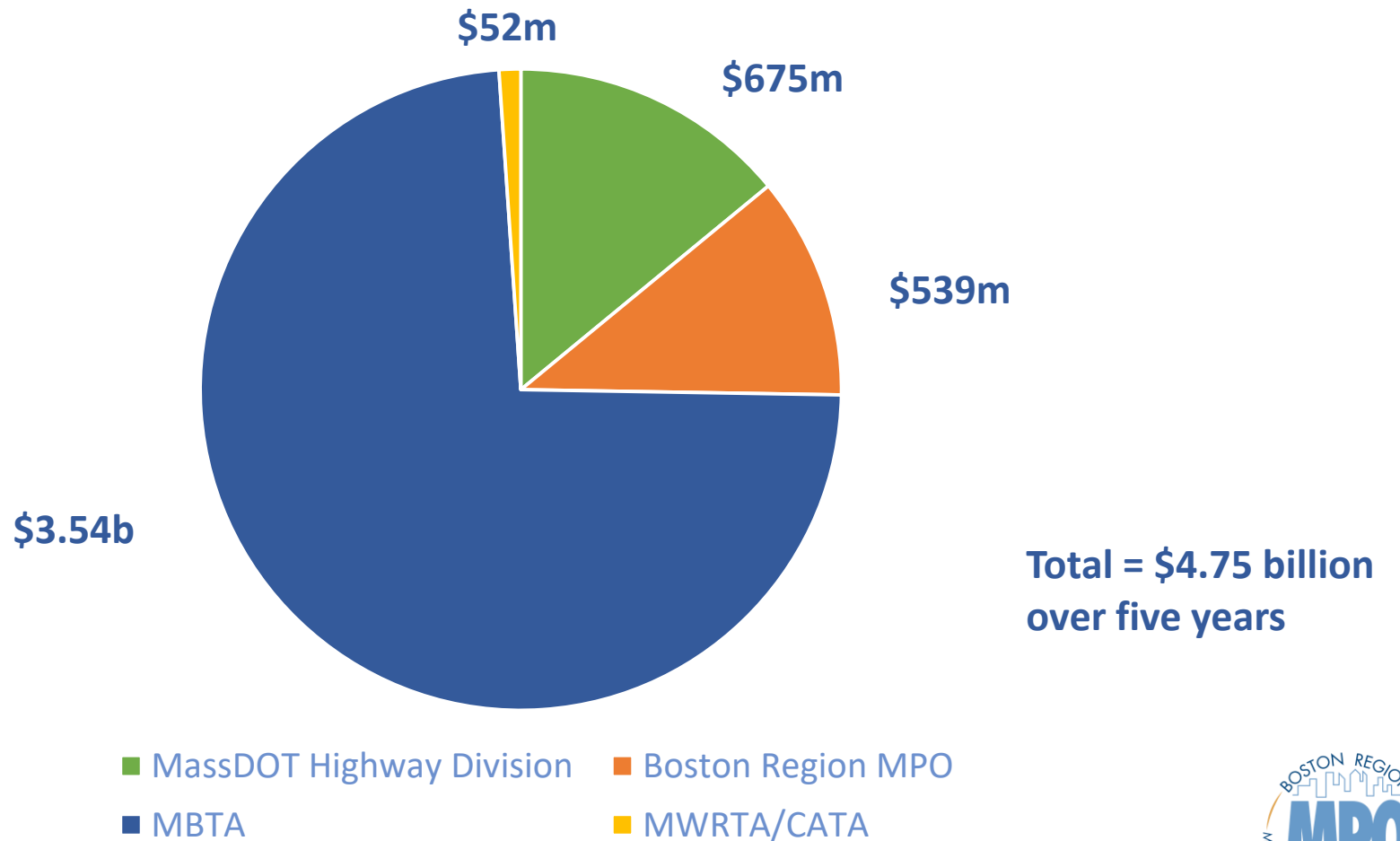


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How much funding is available to each agency?

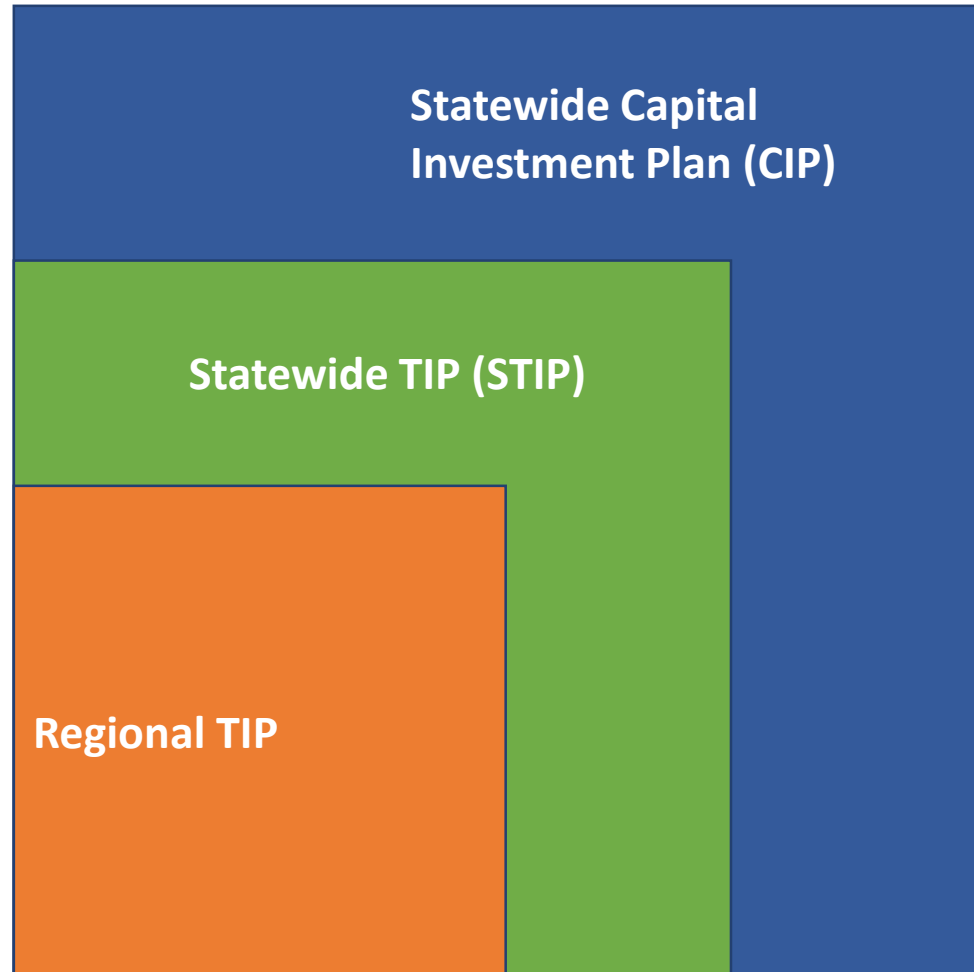


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Transportation Funding in Massachusetts



- **Regional TIP** = All projects in region funded using federal highway and transit funds
- **Statewide TIP (STIP)** = Compilation of all TIPs from each of 13 Mass. MPOs
- **Statewide CIP** = All projects in Mass. funded using both federal AND state funds

Local funds, public/
private grants, etc.

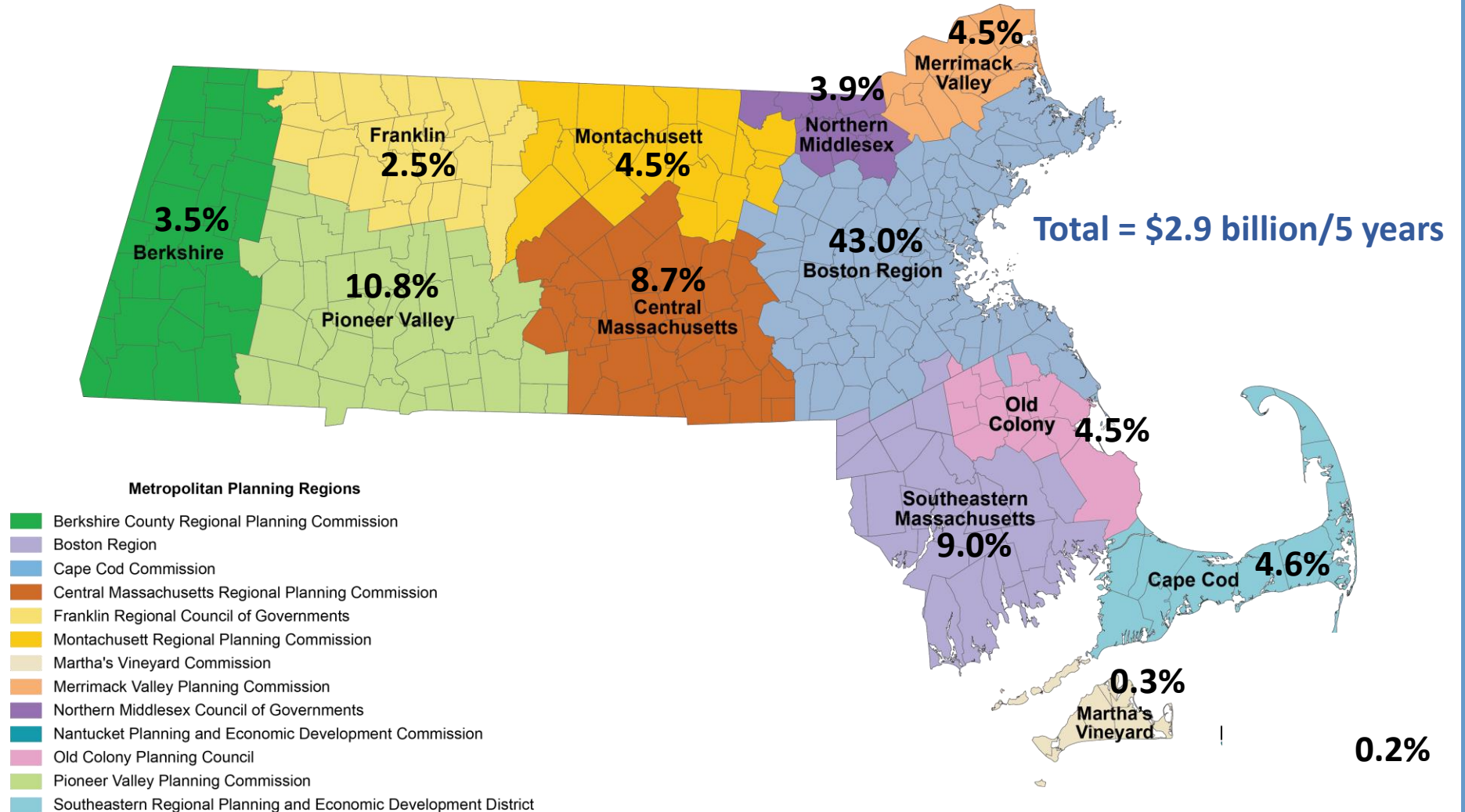


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Highway Funding in Massachusetts

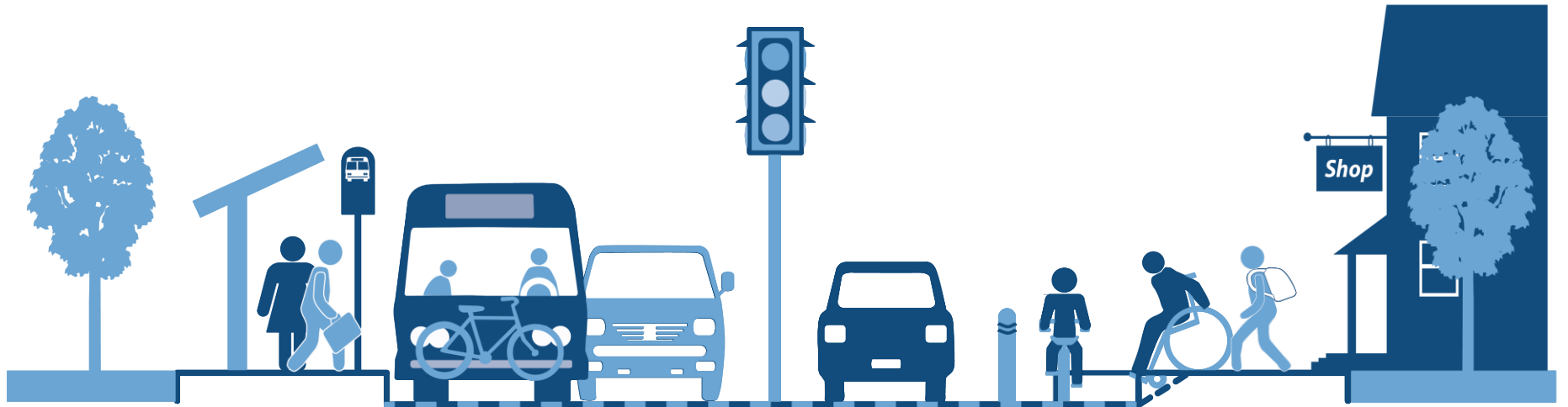


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Multimodal Planning



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Boston MPO Investment Programs



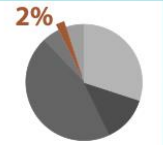
COMPLETE STREETS

- Continuous sidewalks
- Cycle tracks
- Dedicated bus lanes



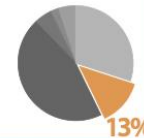
COMMUNITY CONNECTIONS

- First- and last-mile connections
- Wayfinding



INTERSECTION IMPROVEMENTS

- Modernized signals
- Shorter crosswalks



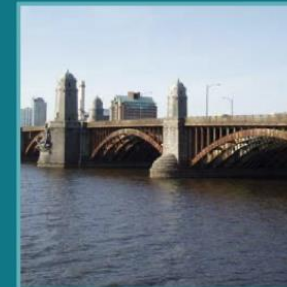
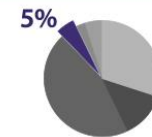
TRANSIT MODERNIZATION

- Transit station improvements
- Climate resiliency



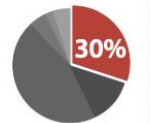
BICYCLE NETWORK AND PEDESTRIAN CONNECTIONS

- Shared-use paths
- Bicycle facilities



MAJOR INFRASTRUCTURE

- New transit lines
- Large-scale Complete Streets projects

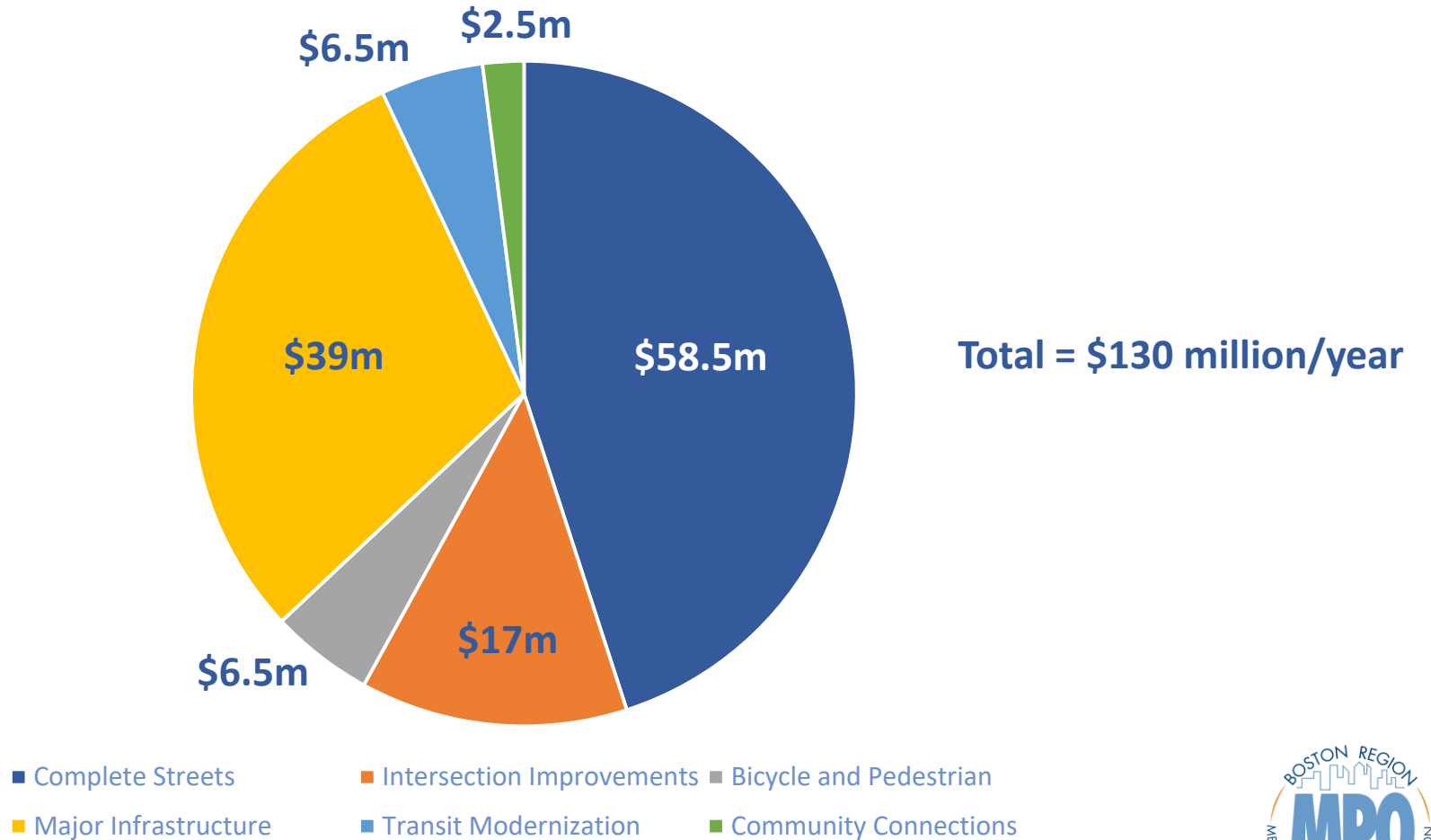


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How does the MPO allocate its funds?



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Overview of Scoring Process

- MPO staff review project materials, including designs, traffic/safety analyses, proponent applications, etc.
- Apply criteria across MPO's six goal areas



SAFETY



SYSTEM
PRESERVATION
AND MODERNIZATION



CAPACITY
MANAGEMENT
AND MOBILITY



CLEAN AIR AND
SUSTAINABLE
COMMUNITIES



TRANSPORTATION
EQUITY



ECONOMIC
VITALITY

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Recently Funded MPO Projects in the 495/MetroWest Region

Municipality	Project Name	Funding Year	Funding Amount
Hopedale, Milford	Resurfacing and Intersection Improvements on Route 16	2019	\$3,371,532
Natick	Reconstruction of Route 27 (North Main Street)	2019	\$18,572,182
Ashland	Reconstruction on Route 126 (Pond Street)	2020	\$19,569,554
Hopkinton	Signal and Intersection Improvements on Route 135	2020	\$11,346,564
Framingham	Reconstruction of Union Avenue	2021	\$11,168,596

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Recent TIP-Funded Project (MassDOT): Cochituate Rail Trail (FFY 2018)

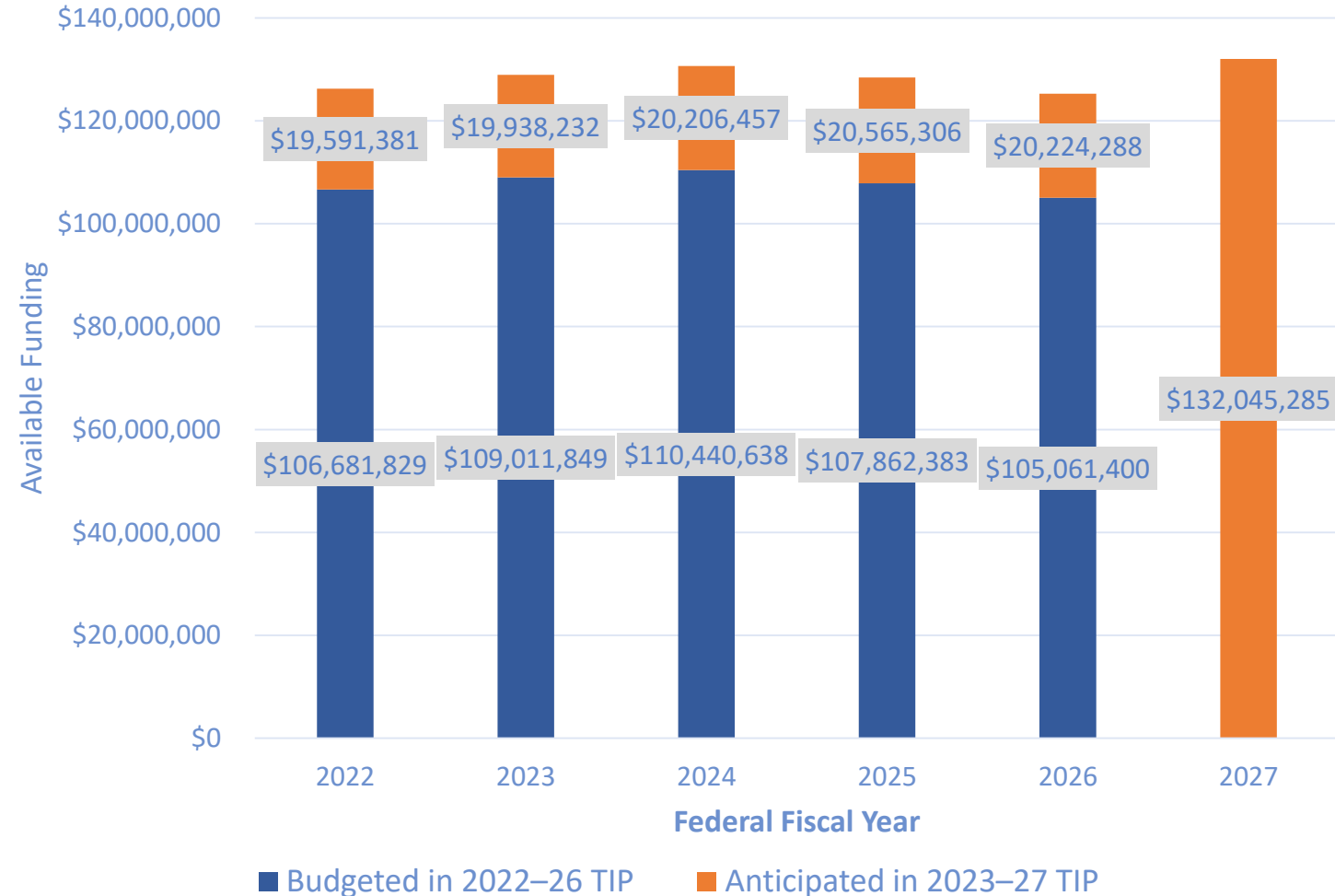


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Regional Target Funding Summary: Bipartisan Infrastructure Law Funds



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Currently Funded MPO Projects in the 495/MetroWest Region

Municipality	Project Name	Funding Year	Funding Amount
Acton	Intersection Improvements at Kelley's Corner	2022	\$15,690,864
Acton	Parking Management System	2022	\$20,000
Bellingham	Rehabilitation and Related Work on Route 126	2022	\$6,714,278
Littleton, Ayer	Intersection Improvements at Route 2A and Willow Road	2022	\$3,685,056
Sudbury	Bruce Freeman, Phase 2D	2022	\$11,620,087
Littleton, Ayer	Intersection Improvements at Route 2A and Willow Road	2022	\$3,685,056

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Currently Funded MPO Projects in the 495/MetroWest Region (Cont.)

Municipality	Project Name	Funding Year	Funding Amount
Acton	Bicycle Parking along the BFRT	2023	\$8,017
Framingham	Traffic Signal Installation at Edgell Road and Central Street	2023	\$2,655,882
Bolton, Boxborough, Littleton, Stow	Montachusett RTA Microtransit Service	2023	\$1,316,061
Hudson, Marlborough	MWRTA CatchConnect Microtransit Service Expansion	2023	\$450,163
Ashland	Rail Crossing Improvements on Cherry Street	2024	\$1,269,327
Littleton	Reconstruction of Foster Street	2024	\$4,146,209

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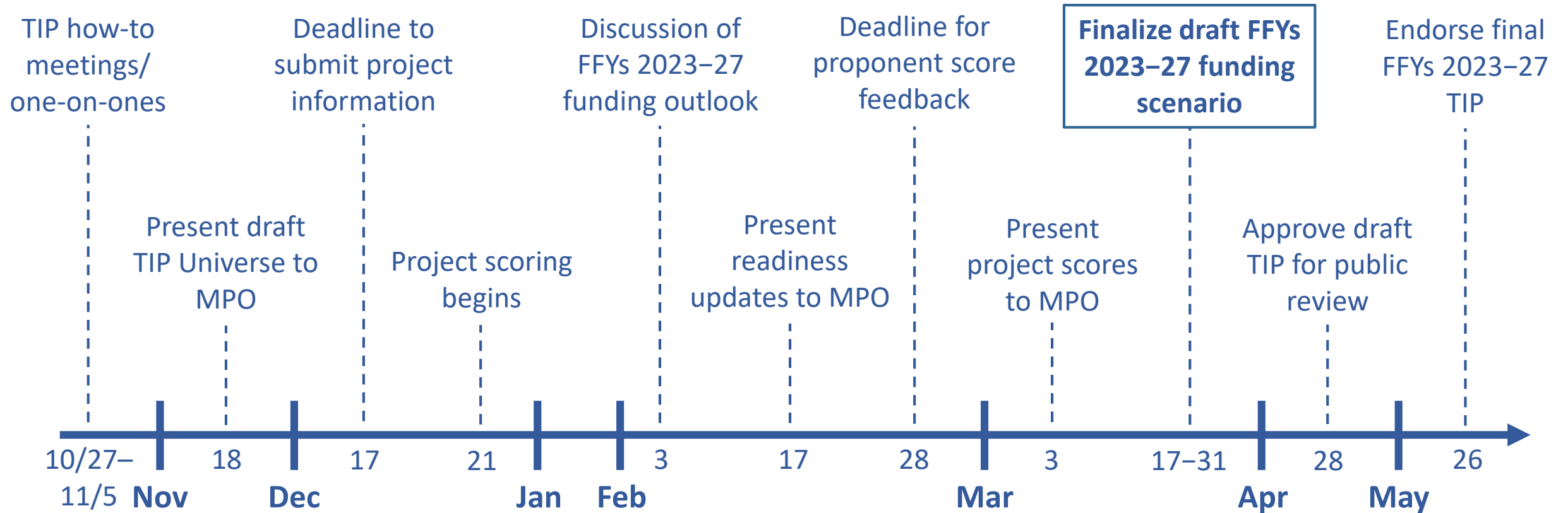
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Currently Funded MPO Projects in the 495/MetroWest Region (Cont.)

Municipality	Project Name	Funding Year	Funding Amount
Wrentham	Construction of I-495/Route 1A Ramps	2024	\$15,587,884
Milford	Rehabilitation on Route 16, from Route 109 to Beaver Street	2026	\$10,119,616

FFYs 2023–27 TIP Development Timeline



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Looking Ahead

- Higher annual funding levels anticipated to continue in coming years
 - Pipeline of projects is relatively limited, given recent influx of funding
 - Begin project development now for consideration in next year's TIP
- New federal discretionary programs in the BIL
 - MassDOT working to develop regional and statewide strategies for pursuing grants, in partnership with RTAs, MPOs, municipalities

Discussion