



VIRTUAL

MEETING

# Boston Region Metropolitan Planning Organization

April 13, 2023



VIRTUAL

MEETING

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## **Kreyòl Ayisyen (Haitian Creole)**

Si yon moun vle genyen enfòmasyon sa yo nan yon lòt lang, tanpri kontakte Espesyalis Boston Region MPO Title VI la nan nimewo 857.702.3700.

## **Español (Spanish)**

Si necesita esta información en otro idioma, por favor contacte la Boston Region MPO al 857.702.3700.

## **Português (Portuguese)**

Caso estas informações sejam necessárias em outro idioma, por favor, contate o MPO da Região de Boston pelo telefone 857.702.3700.

## **Tiếng Việt (Vietnamese)**

Nếu quý vị cần thông tin này bằng một ngôn ngữ khác, vui lòng liên lạc Boston Region MPO theo số 857.702.3700.

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## Guidelines

1. All participants will join the meeting with muted microphones.
2. Please rename yourself to include your first name, last name and affiliation.
3. After roll call, Board members may mute and unmute themselves. Always remain muted unless actively speaking.
4. To participate in the discussion, please select the “raise hand” function. Find this by clicking either on the “Participants” button at the bottom of the screen, and a window will pop up with a “Raise Hand” button at the bottom, or the “Reactions” button in the toolbar. The Chair will then call on participants.
5. If you are on the phone, you can use \*9 to raise your hand.
6. If you have any technical difficulties, please contact Betsy Harvey via the chat box, [eharvey@ctps.org](mailto:eharvey@ctps.org) or 857.702.3701.



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## Accessibility Statement

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If you require any additional accommodations in order to participate fully in this meeting, please contact Betsy Harvey, MPO staff, at [eharvey@ctps.org](mailto:eharvey@ctps.org) or 857.702.3701.

April 13, 2023

## AGENDA

1. **Introductions**
2. Chair's Report
3. Executive Director's Report
4. Public Comments
5. Committee Chairs' Reports
6. Regional Transportation Advisory Council Report
7. Action Item: March 9, 2023, MPO Meeting Minutes
8. Action Item: Work Scope: MBTA SFY 2024 National Transit Database
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14. Members' Items

# Introductions



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# Chair's Report



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# Executive Director's Report



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# Engagement Updates

- Coordinated Human Services Transportation Plan
  - Survey on human services transportation needs and priorities
  - Workshop on April 27, from 9:30–11:30 AM
    - forum to discuss strategies to improve coordination and delivery
  - Contact Stella Jordan ([sjordan@ctps.org](mailto:sjordan@ctps.org))
- Bicycle/Pedestrian Count Database
  - Survey to gather feedback on the utility of the database
  - Contact Casey Cooper ([ccooper@ctps.org](mailto:ccooper@ctps.org))





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# Today's Agenda

- Two action items
  - Work Scope: MBTA State Fiscal Year (SFY) 2024 National Transit Database
  - FFYs 2023–27 Transportation Improvement Program (TIP) Amendment Four
- Two capital planning items
  - Summary of Final FFYs 2024–27 TIP Programming Scenario
  - Capital Investment Plan update
- Two Long-Range Transportation Plan (LRTP) items
  - LRTP Project and Programming Scenarios
  - Final Socioeconomic Projections for the LRTP



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# Next Meetings

- MPO Board Meeting on April 20 at 10:00 AM  
– To be followed by a UPWP meeting at 1:00 PM
- A&F Committee Meeting on April 27 at 9:00 AM



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# Public Comments



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# Committee Chairs' Report



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# Regional Transportation Advisory Council Report



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# Action Item: March 9, 2023, MPO Meeting Minutes

Vote to approve the March 9, 2023, MPO meeting minutes



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# Action Item: Work Scope: MBTA State Fiscal Year (SFY) 2024 National Transit Database

## Bradley Putnam, MPO Staff

Presentation, discussion, and vote to approve the work program to develop estimates of passenger-miles traveled and unlinked trips for various MBTA modes



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# Action Item: Federal Fiscal Years (FFYs) 2023–27 Transportation Improvement Program (TIP) Amendment Four

**Ethan Lapointe, MPO Staff**

Presentation, discussion, and vote to release for a  
21-day public review period



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# FFYs 2023–27 Transportation Improvement Program (TIP) Amendment Four

April 13, 2023

Ethan Lapointe  
TIP Manager, MPO Activities

Boston Region Metropolitan Planning Organization

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# Amendment Four Summary

- For the FFY 2023 Program, Amendment Four proposes
  - Programming of a SMART Grant Award for MWRTA
  - Two cost increases for highway projects
  - MBTA CIP Updates
  - MBTA Grant Awards

FFY = Federal Fiscal Year. SMART = Strengthening Mobility and Revolutionizing Transportation. MWRTA = MetroWest Regional Transit Authority. MBTA = Massachusetts Bay Transportation Authority. CIP = Capital Investment Plan.



# Changes by Program

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# Amendment Four Project Changes— FFY 2023 MWRTA SMART Grant Award

Project Name	Description	Budget
<b>MWRTA011455:</b> BESST —Blanding Energy and Sustainable Storage Technology	This project will install solar power and battery banks for on-site energy and to power MWRTA's electric fleet as part of developing a smart grid.	<b>\$985,000</b>

### What is a SMART Grant?

SMART Grants are a new USDOT grant created by the Bipartisan Infrastructure Law to Strengthen Mobility and Revolutionize Transportation (SMART) to advance innovative technologies and systems. MassDOT, MWRTA, and the City of Brockton all received awards in the FFY 2022 round.

# SMART

**59**  
PROJECTS



**\$94M**  
GRANT FUNDING



**33**  
STATES REPRESENTED



Source: USDOT

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MWRTA = MetroWest Regional Transit Authority. USDOT = United States Department of Transportation

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# Amendment Four Project Changes— FFY 2023 Highway Funds

Project ID and Name	Change Type	Funding Source	Current Budget	New Budget	Difference	Explanation
<b>607327:</b> Wilmington-Bridge Replacement, W-38-002, Route 38 (Main Street) over the B&M Railroad	<b>Cost Increase</b>	<b>State Highway: NHPP</b>	\$9,200,000	\$12,446,691	<b>\$3,246,691</b>	This project recently achieved a 100% design submission that indicated a need for a cost increase.
<b>607244:</b> Winthrop-Reconstruction and Related Work along Winthrop Street and Revere Street Corridor	<b>Cost Increase</b>	<b>Regional Target CMAQ STBG TAP</b>	\$6,779,797	\$7,567,452	<b>\$787,655</b>	On March 17th, the project reached the PS&E stage of development. Its budget is being increased to reflect its cost before advertising for construction.

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B&M = Boston and Maine. NHPP = National Highway Performance Program. CMAQ = Congestion Mitigation and Air Quality. STBG = Surface Transportation Block Grant. TAP = Transportation Alternatives Program. PS&E = Plans, Specifications, and Estimates.



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# Amendment Four Project Changes— FFYs 2023–27 Federal Section 5307 Programs (MBTA)

Program Name	Change FFY 2023	Change FFY 2024	Change FFY 2025	Change FFY 2026	Change FFY 2027	Total Change FFYs 2023-27
<b>12.24.05:</b> Bridge and Tunnel Program	(\$15,000,000)	(\$5,400,000)	\$20,834,709	\$20,834,709	\$20,834,709	\$42,104,127
<b>12.12.00:</b> Revenue Vehicle Program	\$36,626,077	(\$68,815,267)	(\$30,740,084)	(\$30,710,793)	(\$35,612,495)	(\$129,252,562)
<b>12.63.01:</b> Signals/Systems Upgrade Program	\$8,646,277	\$39,426,747	(\$421,085)	(\$421,085)	(\$421,085)	\$46,809,770
<b>12.34.00:</b> Stations and Facilities Program	(\$30,301,414)	\$34,753,221	\$10,259,690	\$10,259,690	\$10,259,690	\$35,230,875

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# Amendment Four Project Changes— FFYs 2023–27 Federal Section 5337 Programs (MBTA)

Program Name	Change FFY 2023	Change FFY 2024	Change FFY 2025	Change FFY 2026	Change FFY 2027	Total Change FFYs 2023-27
<b>12.24.05:</b> Bridge and Tunnel Program	\$5,450,039	(\$42,671,042)	\$1,048,000	\$1,048,000	\$1,048,000	(\$34,077,004)
<b>12.12.00:</b> Revenue Vehicle Program	\$14,608,847	\$17,650,789	\$5,233,315	\$10,346,611	\$10,346,611	\$58,186,171
<b>12.63.01:</b> Signals/Systems Upgrade Program	\$61,780,330	(\$3,901,136)	(\$10,396,368)	(\$10,396,369)	(\$10,396,369)	\$26,690,087
<b>12.34.00:</b> Stations and Facilities Program	(\$52,649,897)	\$27,122,666	\$2,285,670	(\$2,860,066)	(\$7,771,116)	(\$33,872,743)

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# Amendment Four Project Changes— FFYs 2023–27 Federal Section 5339 Programs (MBTA)

Program Name	Change FFY 2023	Change FFY 2024	Change FFY 2025	Change FFY 2026	Change FFY 2027	Total Change FFYs 2023-27
12.24.05: Bridge and Tunnel Program	(\$35,741)	(\$117,459)	(\$183,687)	(\$270,061)	(\$515,510)	(\$1,122,458)

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# Amendment Four Project Changes— FFYs 2023–27 Other Federal Programs (MBTA)

Program Name	Change FFY 2023	Change FFY 2024	Change FFY 2025	Total Change FFYs 2023-25
<b>11.23.01:</b> Lynnway Multimodal Corridor	(\$20,250,000)	\$0	\$0	<b>(\$20,250,000)</b>
<b>11.23.01:</b> Columbus Avenue Bus Lane Phase 2	\$0	\$9,400,000	\$0	<b>\$9,400,000</b>
<b>12.34.02:</b> Forest Hills Station Improvement	\$0	(\$5,120,000)	\$0	<b>(\$5,120,000)</b>
<b>12.34.02:</b> Jackson Square Station Access Improvement	\$0	\$11,000,000	\$10,000,000	<b>\$21,000,000</b>
<b>12.24.03:</b> Rail Transformation - Early Action	\$0	\$4,840,000	\$0	<b>\$4,840,000</b>

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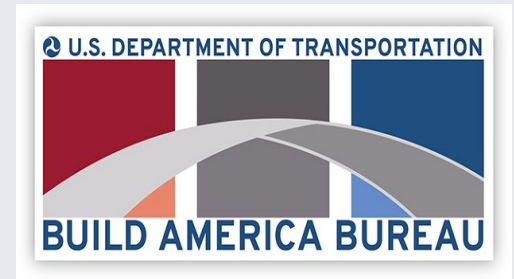
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# Amendment Four Project Changes— FFYs 2023–27 RRIF/TIFIA Financing Program (MBTA)

Program Name	Change FFY 2023	Change FFY 2024	Change FFY 2025	Change FFY 2026	Change FFY 2027	Total Change FFYs 2023-27
12.24.05: Bridge and Tunnel Program	\$0	\$0	\$0	\$22,500,000	\$22,500,000	\$45,000,000

### What is a TIFIA Loan?

The Transportation Infrastructure Finance and Innovation Act (TIFIA) program is a USDOT program that provides credit assistance for large scale surface transportation projects, including for transit agencies and railroad companies. TIFIA financing is often more advantageous than other open market financing options.



Source: USDOT

*Technical difficulties?*  
Call Betsy Harvey at 857.702.3701 or  
email eharvey@ctps.org.

RRIF = Railroad Rehabilitation and Improvement Financing. TIFIA = Transportation Infrastructure Finance and Innovation Act. USDOT = United States Department of Transportation.

April 13, 2023

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# Amendment Four Project Changes— FFY 2023 MBTA Grant Awards

Project Name	Description	Budget
<b>12.34.02: Symphony Station Access Improvements</b>	This project uses funding from FTA's All Stations Accessibility Program to modernize Symphony Station with four new elevators, step-free paths, accessible bathrooms, improved wayfinding, and raised boarding platforms.	<b>\$66,602,931</b>
<b>12.33.05: Hingham Ferry Dock Modification</b>	This project uses funding from FTA's Passenger Ferry Grant Program to improve the capacity of MBTA ferry service at Hingham and make the facility more resilient to extreme weather events and climate change.	<b>\$6,639,134</b>
<b>12.34.02: Newton Commuter Rail Stations</b>	This line item programs a \$7 million congressional earmark for the Newtonville, West Newton, and Auburndale commuter rail stations to fund new stairs, ramps, elevators, platforms, canopies, benches, and bicycle storage facilities.	<b>\$7,000,000</b>

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email [eharvey@ctps.org](mailto:eharvey@ctps.org).

FTA = Federal Transit Administration.

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# Today's Requested Action

- MPO staff request that the board votes to release Amendment Four for a 21-day public comment period from April 14 to May 5, 2023



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email [eharvey@ctps.org](mailto:eharvey@ctps.org).

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# Summary of Final FFYs 2024–28 TIP Programming Scenario

**Ethan Lapointe, MPO Staff**

Presentation and discussion of the final FFYs 2024–28 TIP Programming Scenario, selected at the March 30, 2023, MPO meeting

*Technical difficulties?  
Call Betsy Harvey at 857.702.3701 or  
email [eharvey@ctps.org](mailto:eharvey@ctps.org).*





# FFYs 2024–28 TIP Scenario Adjustments

April 13, 2023

Ethan Lapointe  
TIP Manager, MPO Activities

Boston Region Metropolitan Planning Organization

April 13, 2023

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# Today's Presentation

- Public comments received since March 30th meeting
- Project inflation adjustments
- MBTA cost adjustments
- Project 605743 (Ipswich) cost increase
- Discussion



*Technical difficulties?*  
Call Betsy Harvey at 857.702.3701 or  
email [eharvey@ctps.org](mailto:eharvey@ctps.org).

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# Resources for Today

- FFYs 2024–28 TIP Final Scenario Table



*Technical difficulties?*  
Call Betsy Harvey at 857.702.3701 or  
email [eharvey@ctps.org](mailto:eharvey@ctps.org).



# Comments Received since March 30th Board Meeting

April 13, 2023

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# Public Comments since March 30th

- One comment received in support of Medford Bluebikes expansion project, Bikeshare, Complete Streets
- One comment concerned about damage on an active construction project on the Bruce Freeman Rail Trail in Acton



*Technical difficulties?  
Call Betsy Harvey at 857.702.3701 or  
email [eharvey@ctps.org](mailto:eharvey@ctps.org).*

# FFYs 2024–28 TIP Scenario Inflation Adjustments

# Inflation-Adjusted Scenario 5 with Amendments

	2024		2025		2026		2027		2028	2024-28 Total
Total Available Regional Highway Target Funds (2024-28 TIP):	\$130,647,095		\$128,427,689		\$125,285,687		\$155,132,142		\$158,052,175	\$697,544,788
	Current	Proposed	Current	Proposed	Current	Proposed	Current	Proposed	Proposed	Proposed
Draft Total	\$117,059,590	\$122,713,795	\$124,612,902	\$126,955,489	\$123,179,070	\$124,667,241	\$128,586,581	\$152,979,422	\$149,868,526	\$677,184,474
Regional	\$13,587,505	\$7,933,300	\$3,814,787	\$1,472,200	\$2,106,617	\$618,446	\$26,545,561	\$2,152,720	\$8,183,649	\$20,360,315
Percent Unprogrammed	10.4%	6.1%	3.0%	1.1%	1.7%	0.5%	17.1%	1.4%	5.2%	2.9%

Years shown are federal fiscal years.



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# Inflation Adjustment Explanation

- Two figures for a project's estimated cost
  - Total Federal Participating Cost (TFPC): estimated cost in first-year dollars (i.e., FFY 2024)
  - Adjusted TFPC: estimated cost in future-year dollars at 4% **increase** per year



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# Inflation Adjustment: Outcomes

- Inflation was not fully included
- Adjustments reduced unprogrammed funding from \$41.4 million in the approved scenario to \$20.3 million in the new scenario
- TFPCs, especially in outer years, are subject to change
  - Nearest and most critical year, FFY 2024, unchanged
- Total number of projects and scopes of work unchanged



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email [eharvey@ctps.org](mailto:eharvey@ctps.org).

# MBTA Project Cost Adjustments

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# MBTA Adjustment

- Three MBTA projects were not inclusive of MBTA match.
- Outcomes by project
  - Columbus Avenue Phase 2 - \$11.7 million (currently \$9.4 million)
  - Jackson Square Station Accessibility - \$26.3 million (currently \$21.0 million)
  - Rail Transformation Early Action - \$14.0 million (currently \$11.2 million)



*Technical difficulties?*  
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email [eharvey@ctps.org](mailto:eharvey@ctps.org).



# Option 1—Maintain Project Funding Levels

- Decreases FFY 2025 Transit Modernization Set-Aside to \$2 million
- Lowers regional target balances by \$5.1 million in FFY 2024 and \$750,000 in FFY 2025
- Fully funds MBTA projects

	FFY 2024 (Current)	FFY 2024 (Revised)	FFY 2025 (Current)	FFY 2025 (Revised)	Notes
Transit Modernization Program	\$0	\$0	\$6,500,000	\$2,000,000	
Jackson Square Station Accessibility	\$11,000,000	\$11,000,000	\$10,000,000	\$15,250,000	Total Cost = \$26,250,000 Federal = \$21,000,000 MBTA Match = \$5,250,000
Rail Transformation Early Action Items	\$11,200,000	\$14,000,000	\$0	\$0	Total Cost = \$14,000,000 Federal = \$11,200,000 MBTA Match = \$2,800,000
Columbus Avenue Bus Lanes Phase 2	\$9,400,000	\$11,750,000	\$0	\$0	Total Cost = \$11,750,000 Federal = \$9,400,000 MBTA Match = \$2,350,000
<b>Regional Target Balance</b>	\$7,933,299	\$2,783,300	\$1,952,200	\$1,202,200	

# Option 2—Reduce Rail Transformation

- Decreases FFY 2025 Transit Modernization Set-Aside to \$2 million
- Increases FFY 2024 and FFY 2025 Regional Target balances
- Reduces Rail Transformation Funding by \$5.15 million

	FFY 2024 (Current)	FFY 2024 (Revised)	FFY 2025 (Current)	FFY 2025 (Revised)	Notes
Transit Modernization Program	\$0	\$0	\$6,500,000	\$2,000,000	
Jackson Square Station Accessibility	\$11,000,000	\$12,250,000	\$10,000,000	\$14,000,000	Total Cost = \$26,250,000 Federal = \$21,000,000 MBTA Match = \$5,250,000
Rail Transformation Early Action Items	\$11,200,000	\$6,050,000	\$0	\$0	Total Cost = \$6,050,000 Federal = \$4,840,000 MBTA Match = \$1,210,000
Columbus Avenue Bus Lanes Phase 2	\$9,400,000	\$11,750,000	\$0	\$0	Total Cost = \$11,750,000 Federal = \$9,400,000 MBTA Match = \$2,350,000
<b>Regional Target Balance</b>	\$7,933,299	\$9,483,300	\$1,952,200	\$2,452,200	Increases FFY 2024 by \$1.55 million, FFY 2025 by \$500,000

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# Project Considerations: MBTA

- Jackson Square Station Accessibility not funded in MBTA Capital Investment Plan (CIP)
- Columbus Avenue Phase 2 builds upon existing MPO contribution (\$14.8 million)
- Rail Transformation funded in MBTA CIP (\$18.9 million), requests are additive

*Technical difficulties?  
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email [eharvey@ctps.org](mailto:eharvey@ctps.org).*

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# Project Considerations: Transit Modernization

- FFY 2025 Transit Modernization
  - Remaining funding in Transit Modernization will prioritize RTA applications
  - Application round in fall 2023 for FFY 2025 funding

*Technical difficulties?  
Call Betsy Harvey at 857.702.3701 or  
email [eharvey@ctps.org](mailto:eharvey@ctps.org).*

RTA = Regional Transit Authority

Project Adjustment:  
Ipswich—Resurfacing and Related Work  
on Central and South Main Streets

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# Project 605743: Ipswich—Resurfacing and Related Work on Central and South Main Streets

- Updated 25% design submission on March 29th highlighted cost increase
- Current scenario programs \$5.7 million in FFY 2026, new cost is \$11.7 million
- Insufficient regional target balance in FFY 2026 to support



*Technical difficulties?*  
Call Betsy Harvey at 857.702.3701 or  
email [eharvey@ctps.org](mailto:eharvey@ctps.org).

# Recommendation—Fund Over Two Years

- No impact to FFY 2026 balance
- Recommending removal of \$15 million contribution to MassDOT Bowker Overpass project in FFY 2027 to facilitate, add more balance

	FFY 2026 (Current)	FFY 2026 (Revised)	FFY 2027 (Current)	FFY 2027 (Revised)	Notes
<b>605743:</b> Ipswich— Resurfacing and Related Work on Central and High Streets	\$5,702,076	\$5,702,076	\$0	\$6,026,622	Project anticipated to have at least 2 years of construction timeline, and is eligible for Advance Construction
<b>606728:</b> Boston—Bridge Replacement B-16-365, Storrow Drive over Bowker Ramps	\$0	\$0	\$15,000,000	\$0	Project still funded with \$116.1 million in MassDOT Statewide Highway funding in FFYs 2027 and 2028.
<b>Regional Target Balance</b>	\$7,933,299	\$2,783,299	\$1,952,200	\$10,175,378	

# Next Steps



April 13, 2023

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# Today's Discussion

- Clarify information presented today
- Discuss programming implications for Draft TIP Release on April 20th
- MPO staff request a motion to decide on amendments for a new scenario



*Technical difficulties?*  
Call Betsy Harvey at 857.702.3701 or  
email [eharvey@ctps.org](mailto:eharvey@ctps.org).

# Discussion

# MBTA Adjustment Comparison

## Option 1—Maintain Funding Level

## Option 2—Reduce Rail Transformation

	FFY 2024 Current	FFY 2024 Revised	FFY 2025 Current	FFY 2025 Revised
Transit Modernization Program	\$0	\$0	\$6.50M	\$2.00M
Jackson Square Station Accessibility	\$11.00M	\$11.00M	\$10.00M	\$15.25M
Rail Transformation Early Action Items	\$11.20M	\$14.00M	\$0	\$0
Columbus Avenue Bus Lanes Phase 2	\$9.40M	\$11.75M	\$0	\$0
<b>Regional Target Balance</b>	\$7.93 M	\$2.78M	\$1.95M	\$1.20M

	FFY 2024 Current	FFY 2024 Revised	FFY 2025 Current	FFY 2025 Revised
Transit Modernization Program	\$0	\$0	\$6.50M	\$2.00M
Jackson Square Station Accessibility	\$11.00M	\$12.25M	\$10.00M	\$14.00M
Rail Transformation Early Action Items	\$11.20M	\$6.05M	\$0	\$0
Columbus Avenue Bus Lanes Phase 2	\$9.40M	\$11.75M	\$0	\$0
<b>Regional Target Balance</b>	\$7.93M	\$9.48M	\$1.95M	\$2.45M

M = million

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# TIP Development: Capital Investment Plan (CIP) Update—Highway and Transit Project Selection Process

**Michelle Scott, Massachusetts Department of Transportation Staff, and Jillian Linnell, MBTA Staff**

Presentation and discussion of CIP updates, the highway and transit project selection process, and continuing projects



*Technical difficulties?*  
Call Betsy Harvey at 857.702.3701 or  
email [eharvey@ctps.org](mailto:eharvey@ctps.org).

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# Discussion: Long-Range Transportation Plan (LRTP) Investment Program and Project Selection Proposals

**Bradley Putnam, MPO Staff**

Presentation and discussion of investment program allocations and projects to include in the LRTP



*Technical difficulties?  
Call Betsy Harvey at 857.702.3701 or  
email [eharvey@ctps.org](mailto:eharvey@ctps.org).*



# *Destination 2050* Investment Programs and Projects

April 13, 2023

Bradley Putnam

Boston Region Metropolitan Planning Organization

April 13, 2023

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# Overview

- Funding allocations to investment programs
- Project selection



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# Today's Goal

- What questions do you have?
- Are there other projects that you think need to be included?
- What additional information would you like in order to vote on funding allocations and project selection for the Long-Range Transportation Plan on April 20, 2023?





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# Supporting Materials

- Adopted Policies for the MPO's Major Infrastructure Program and LRTP, and a recording of that meeting (January 26, 2023)
- Universe of Projects (March 2, 2023)
- Staff Proposals for Investment Programs (March 16, 2023)



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Call Betsy Harvey at 857.702.3701 or  
email [eharvey@ctps.org](mailto:eharvey@ctps.org).

# Today's Focus

## *Destination 2050* Activities



NEEDS

Identify current and future needs facing the region

Summer 2021-  
Spring 2023



FRAMEWORK

Establish the MPO's vision and goals for transportation

Summer 2022-  
Winter 2023



STRATEGIES

Revisit investment programs and candidate projects

Fall 2022-  
Winter 2023



ALLOCATION

Allocate funds to projects and programs

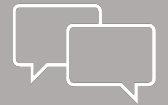
Spring 2023-  
Summer 2023



DOCUMENT

Document MPO decisions and related information

Spring 2023-  
Summer 2023



ENGAGEMENT

Engage stakeholders and the public

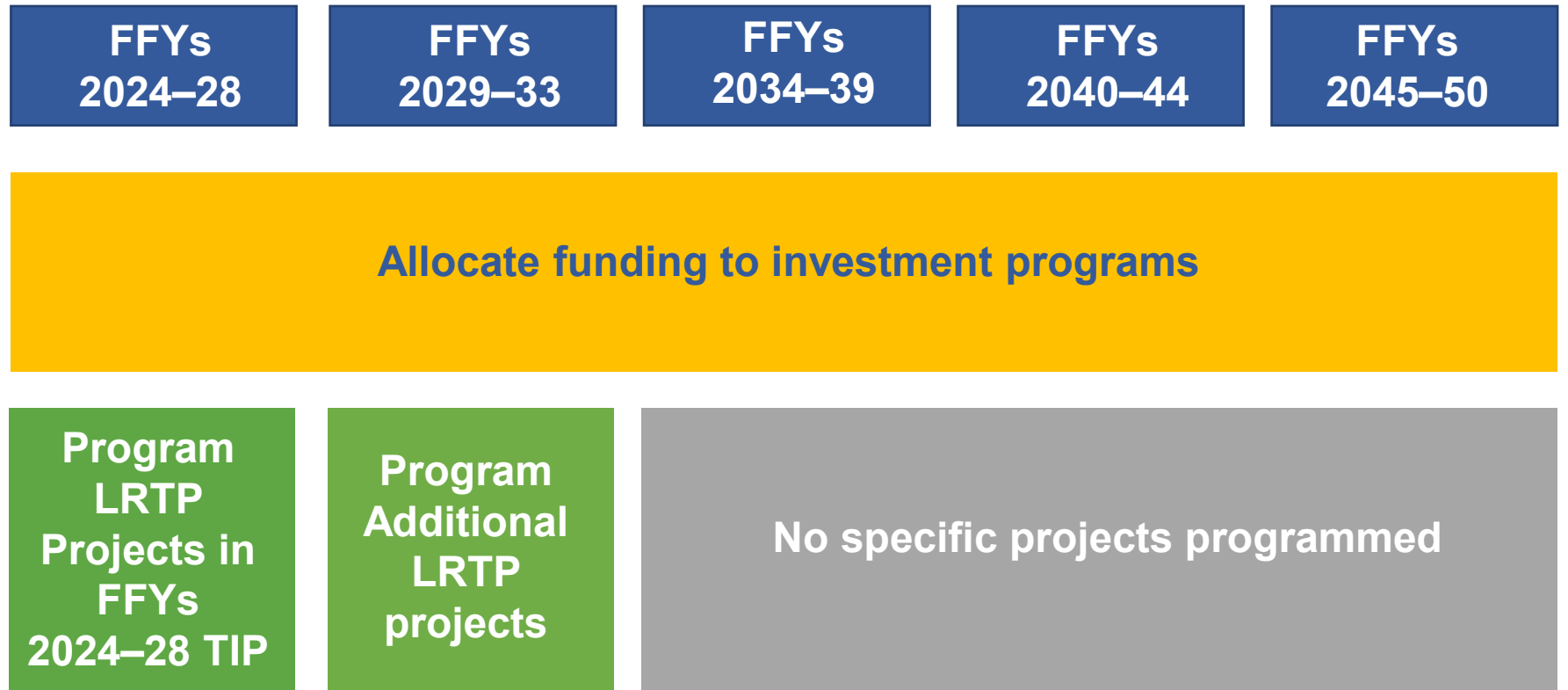
Fall 2021-  
Summer 2023

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# L RTP Programming Decisions



FFY = federal fiscal year. L RTP = Long-Range Transportation Plan. TIP = Transportation Improvement Program.

*Technical difficulties?*  
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# Investment Programs

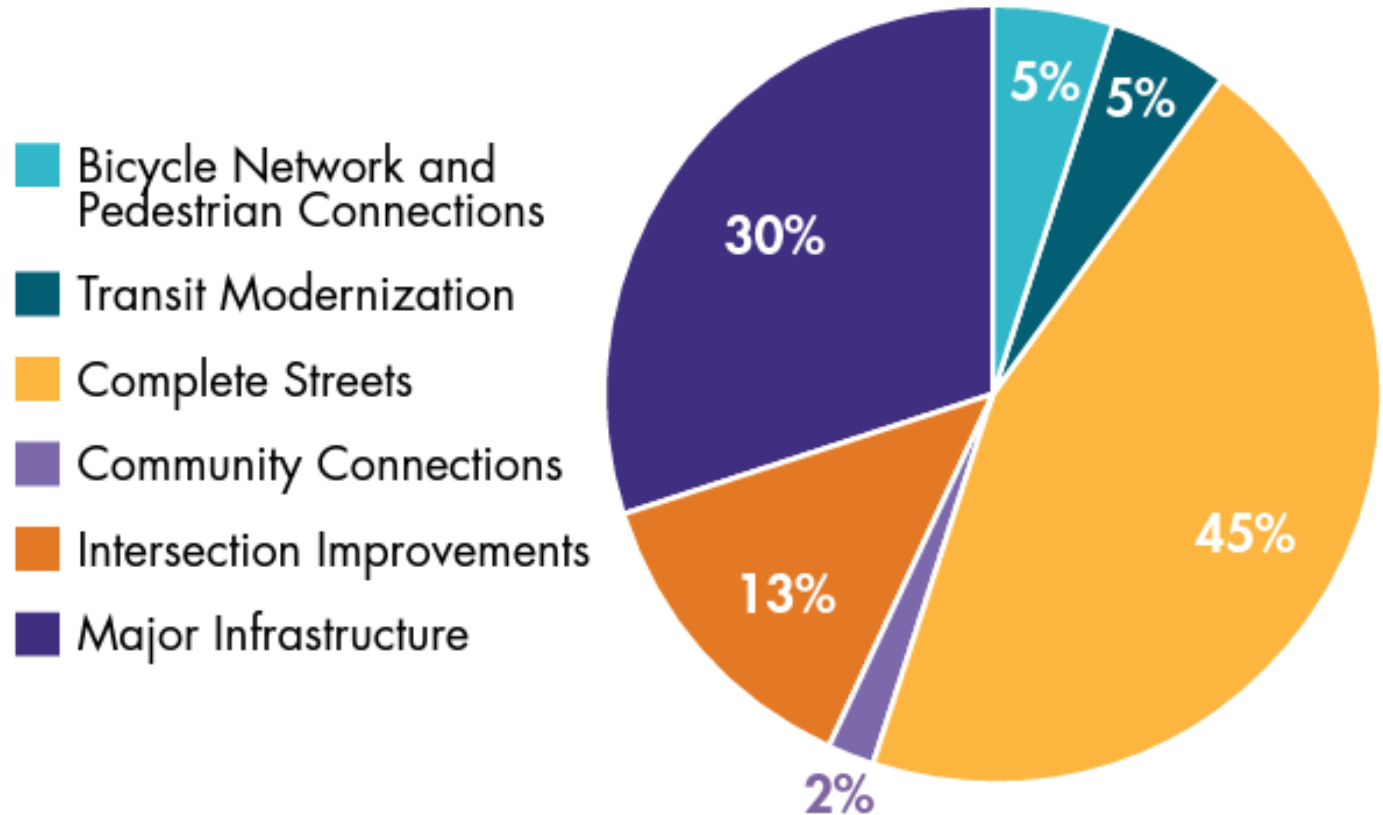
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# MPO Discretionary Investment Program Sizing

## *Destination 2040* Investment Programs and Goal Funding Shares



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# Example Funding

- Total projected regional highway target funds for FFYs 2029–33 is **\$833 million**
- If the *Destination 2040* funding allocations were applied to FFYs 2029–33, the funds for each program would be:

Program	Percentage	Funding (millions)
Complete Streets	45%	\$374.9 M
Major Infrastructure	30%	\$249.9 M
Intersection Improvements	13%	\$108.3 M
Bicycle Network and Pedestrian Connections	5%	\$41.7 M
Transit Transformation	5%	\$41.7 M
Community Connections	2%	\$16.5 M

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# Example Projects

Program	Project
Complete Streets	Weston—Reconstruction on Route 30
Major Infrastructure	Somerville—McGrath Boulevard
Intersection Improvements	Norwood—Route 1 and University Avenue
Bicycle Network and Pedestrian Connections	Peabody Multi-use Path
Transit Modernization	Lynn Station Improvements
Community Connections	Newton Microtransit Service

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# Staff Recommendations for *Destination 2050* Investment Programs

- Staff propose to
  - Maintain the following programs
    - Complete Streets
    - Major Infrastructure
    - Intersection Improvements
    - Bicycle Network and Pedestrian Connections
    - Community Connections
  - Add a Bikeshare Support program
  - Broaden the existing Transit Modernization program into a Transit Transformation program (beginning in FFY 2029)

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# Bikeshare Support (new proposal)

- The FFYs 2024–28 TIP (as of March 30, 2023) includes bikeshare investments outside the Community Connections program:
  - \$6 million for bikeshare state of good repair set-aside
  - \$1 million for electric Bluebikes in Boston
  - \$0.4 million for electric Bluebikes in Cambridge
- Total of \$7.4 million, which is roughly 1% of the \$698 million in total available funding in the FFYs 2024–28 TIP

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# Preliminary Results of Public Survey

- Opened March 28
- Approximately 250 responses
- If you had 100 “tokens” to allocate to transportation improvements in the Boston region, how would you spend them?
- 6 options
  - Not the same as MPO investment programs

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# Preliminary Results of Public Survey

1. Major transit infrastructure  
(extending subway and commuter rail lines)
2. Major road infrastructure  
(repairing and replacing bridges and transforming highways)
3. Bus improvements  
(dedicated bus lanes and upgrading and electrifying fleets)

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# Preliminary Results of Public Survey

4. **Bicycle and pedestrian improvements**  
(bicycle lanes, shared paths, rail trails, and Bluebikes stations)
5. **Transit improvements**  
(upgrading and modernizing subway and commuter rail stations and fleets)
6. **Community shuttles**  
(connecting people to businesses, shopping centers, and hospitals)

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# Preliminary Results of Public Survey

Area	Average	1 <sup>st</sup> quartile	3 <sup>rd</sup> quartile
Major transit infrastructure	25	15	35
Transit improvements	25	15	35
Bicycle and pedestrian improvements	18	10	25
Bus improvements	14	6	20
Major road infrastructure	12	0	20
Community shuttles	6	0	10

Approximately 250 responses

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# Poll of MPO Members

- Poll of members, April 3 to 10
- 8 responses
- What percentage of funding would you allocate to each investment program?

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# Poll of MPO Members

Program	Average	Minimum	Maximum
Complete Streets	38%	30%	49%
Major Infrastructure	35%	25%	51%
Intersection Improvements	9%	0%	15%
Bicycle Network and Pedestrian Connections	5%	0%	10%
Transit Transformation	8%	0%	15%
Community Connections	2%	0%	5%
Bikeshare Support	3%	0%	5%

8 responses

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# Funding Possibilities

Program	2019	Add Bikeshare	Member Poll Average
Complete Streets	45%	45%	38%
Major Infrastructure	30%	30%	35%
Intersection Improvements	13%	12%	9%
Bicycle Network and Pedestrian Connections	5%	5%	5%
Transit Transformation	5%	5%	8%
Community Connections	2%	2%	2%
Bikeshare Support	NA	1%	3%

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# Projects

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# Projects in the LRTP

Policy adopted by the MPO on October 1, 2020:

- The LRTP will only list projects that are federally required to be included in the LRTP—regionally significant projects (as defined in Federal Highway Administration guidance) and projects under National Environmental Policy Act review that use federal transportation funds.
- In addition, these projects will only be programmed for the first two five-year time bands of the LRTP, leaving the later time bands to be programmed in future LRTPs.

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# Projects in the LRTP

- Regionally significant:
  - Major Infrastructure projects
  - Change the capacity of the transportation system
- Forecasted to be ready for construction by FFY 2033
- MPO staff assessed projects in the universe for adherence to these criteria
- Could be funded by the MPO or MassDOT

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# MPO Projects

- Wrentham: I-495/Route 1A Ramps  
– TIP: FFY 2024
- Norwood: Route 1 at University Avenue and Everett Street  
– TIP: FFYs 2026–27

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# MPO Projects

- Somerville: McGrath Boulevard
  - TIP: FFYs 2027–28
- Boston: Rutherford Avenue
  - TIP: FFYs 2027–28

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# MassDOT Projects

- Natick: Routes 9 and 27 (605313)
- Hopkinton: Interchange of I-495 and I-90 (607977)
  - Has already advertised
- Boston: Allston Multimodal (606475)

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# Summary of Projects

Proponent	Location	Name	ID
MPO	Wrentham	I-495/Route 1A Ramps	603739
MPO	Norwood	Route 1 at University Avenue	605857
MPO	Somerville	McGrath Boulevard	607981
MPO	Boston	Rutherford Avenue	606226
MassDOT	Natick	Routes 9 and 27	605313
MassDOT	Hopkinton	I-495 and I-90 Interchange	607977
MassDOT	Boston	Allston Multimodal	606475

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# MPO Projects

Proponent	Location	Name	FFYs 2024-28	FFYs 2029-33
MPO	Wrentham	I-495/Route 1A Ramps	✓	
MPO	Norwood	Route 1 at University Ave.	✓	
MPO	Somerville	McGrath Boulevard	✓	Potential
MPO	Boston	Rutherford Avenue	✓	Potential

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# Potential Costs of MPO Projects FFYs 2029–33

Location	Name	2029	2030	2031	2032	2033	Total
Boston	Rutherford Avenue	\$33.5 M	\$33.5 M	\$44 M	\$42.7 M	0	\$153.7 M
Somerville	McGrath Boulevard	\$20 M	\$13.8 M	0	0	0	\$33.8 M
<b>Total</b>							<b>\$187.5 M</b>

Years shown are federal fiscal years.  
M = million.

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# Major Infrastructure Program

- Total regional highway target funds projected to be available to the MPO in FFYs 2029–33 is **\$833 million**
- If 30% of funding were allocated to the Major Infrastructure program, then funding for that program in FFYs 2029–33 would be **\$249.9 million**

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# Possible Funding Implications FFYs 2029–33

If 30% of total available funds were allocated to the Major Infrastructure program:

	2029–33 (dollars)	2029–33 (percent)
<i>Rutherford Avenue</i>	\$153.7 M	62%
<i>McGrath Boulevard</i>	\$33.8 M	14%
<b>Total project spending</b>	<b>\$187.5 M</b>	<b>76%</b>
Major Infrastructure funding not allocated to specific projects	\$62.4 M	24%
Major Infrastructure – total	\$249.9 M	100%

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# Summary

## Programs 2019 plus bikeshare

Program	Funding
Complete Streets	45%
Major Infrastructure	30%
Intersection Improvements	12%
Bicycle Network and Pedestrian Connections	5%
Transit Transformation	5%
Community Connections	2%
Bikeshare Support	1%

## Projects

Proponent	Location	Name
MPO	Wrentham	I-495/Route 1A Ramps
MPO	Norwood	Route 1 at University Avenue
MPO	Somerville	McGrath Boulevard
MPO	Boston	Rutherford Avenue
MassDOT	Natick	Routes 9 and 27
MassDOT	Hopkinton	I-495 and I-90 Interchange
MassDOT	Boston	Allston Multimodal

*Technical difficulties?*  
Call Betsy Harvey at 857.702.3701 or  
email [eharvey@ctps.org](mailto:eharvey@ctps.org).

April 13, 2023

## AGENDA

1. Introductions
2. Chair's Report
3. Executive Director's Report
4. Public Comments
5. Committee Chairs' Reports
6. Regional Transportation Advisory Council Report
7. Action Item: March 9, 2023, MPO Meeting Minutes
8. Action Item: Work Scope: MBTA SFY 2024 National Transit Database
9. Action Item: FFYs 2023–27 TIP Amendment Four
10. Summary of Final FFYs 2024–28 TIP Programming Scenario
11. TIP Development: CIP Update—Highway and Transit Project Selection Process
- 12. Discussion: LRTP Investment Program and Project Selection Proposals**
13. Final Socioeconomic Projections for the LRTP
14. Members' Items

# Today's Goal

- What questions do you have?
- Are there other projects that you think need to be included?
- What additional information would you like in order to vote on funding allocations and project selection for the Long-Range Transportation Plan on April 20, 2023?

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# Final Socioeconomic Projections for the LRTP

**Tim Reardon, Metropolitan Area Planning Council Staff**

Presentation and discussion of the final socioeconomic projections for the *Destination 2050* LRTP

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# Members' Items

Reports and notices by MPO members, including regional concerns and local community issues



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