

# Capital Investment Plan Update 2024-2028

**MassDOT Board of Directors**

May 17, 2023

## CIP 2024-2028 Development

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### Agenda

#### CIP Process Recap

- Status update on CIP development activities

#### Proposed sources and uses for MassDOT

- Additional adjustments to sources and/or changes
- Adjustments to proposed uses

#### Appendix

## CIP Process Recap

- **Since last meeting:**
  - Finalized programs and funding requests
    - CIP / STIP alignment complete and draft CIP and proposed investments incorporate all federally funded projects
    - Developed draft list of proposed investments
  - Reviewed and refined source assumptions
    - Final bond Cap targets provided by Executive Office for Administration and Finance (ANF)
    - MassDOT pay-go capital projections updated to align with draft FY 24 MassDOT operating budget
  - Six virtual CIP public meetings scheduled
- **Today need feedback on:**
  - Draft proposed projects and changes
  - Final proposed sources and uses
  - Draft CIP

## MassDOT Board Touchpoints for CIP Development

MassDOT Board	
December	
January	
February	
March	CIP/strategic framework / CIP timeline /discussion on CIP programs, sizes / changes / preliminary estimated sources
April	Draft sources and uses; initial CIP project lists / MPOs release draft 5-year TIPs for 21-day public comment period
May	Draft CIP update including any updates to sources & uses / any significant new projects and/or changes from 2023-2027 CIP / MassDOT Board vote to release for public comment / STIP released for public comment
June	Final CIP update / public outreach analysis / equity analysis / MassDOT Board vote to approve CIP / Final 5-year STIP submitted to FTA, FHWA, DEP & EPA at end of June

## Adjustments to Revenues / Sources

- **State Bond Cap**

- Bond cap targets have been finalized with the Executive Office of Administration and Finance (ANF)
  - ANF has provided \$365.5 million in additional bond cap
    - \$22.4 million as match for our increase in federal transit grants programmed in 2024-2028
    - \$125.0 million to support the increased program development/management costs incurred by Highway Division tied to the delivery of the federal-aid highway program
    - \$218.1 million to support the Commonwealth's commitment to advancing the Cape Cod Bridges/roadway approaches program
  - In total, MassDOT will receive \$5,651.9 million in bond cap for 2024-2028

- **Federal Funds**

- 2024-2028 CIP incorporates the funding levels authorized under BIL for highway and transit
- MassDOT and the MPOs have finalized the proposed list of projects to be funded with the federal formula funds available for 2024-2028 State Transportation Improvement Program (STIP)
  - Federal aid sources are tied to the 2024-2028 STIP
- FAA grants available for the public use airports incorporated
- FRA grant funding for New England Central Rail project continues for 2024-2028
- FHWA National Highway Freight program funds (\$5.6 million) transferred to FRA for the East Deerfield Intermodal Facility project

- **Pay-Go Capital Funds - MassDOT**

- Availability and amount of pay-go capital funds reflect the current FY24 MassDOT operating budget assumptions

## Bond Cap/State Funds Comparison for MassDOT and MBTA

(\$ millions)	FY 2023-2027 <sup>1</sup>	FY 2024-2028 <sup>1,3</sup>	FY 2024-2028 Final <sup>3</sup> (4/12/23)
MassDOT	3,849.1	3,926.9	3,926.9
Chapter 90	1,000.0	1,000.0	1,000.0
MBTA / South Coast Rail	102.4	0.0	0.0
ATLAS	7.0	0.0	0.0
Municipal Programs <sup>2</sup>	386.0	359.5	359.5
<b>Subtotal Base Bond Cap</b>	<b>\$5,344.5</b>	<b>\$5,286.4</b>	<b>\$5,286.4</b>
<b>Recommended Additional Bond Cap<sup>3</sup></b>			
BIL Support / Additional State Match for Highway Division <sup>4</sup>		125.0	125.0
BIL Support / MassDOT Transit/RTAs <sup>4</sup>		22.9	22.4
Commonwealth Funding for Cape Bridges		214.8	218.1
Other Division Requests		355.9	0.0
<b>Total Requested New State Funding</b>	<b>N/A</b>	<b>\$718.6</b>	<b>\$365.5</b>
<b>Total Bond Cap/State Funding<sup>1</sup></b>	<b>\$5,344.5</b>	<b>\$6,005.0</b>	<b>\$5,651.9</b>

<sup>1</sup>Totals may not add due to rounding;

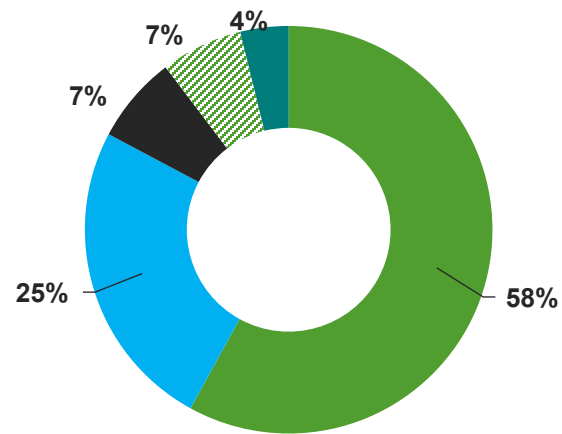
<sup>2</sup> Municipal programs include Complete Streets, Municipal Bridge, Municipal Pavement, Local Bottleneck Reduction, Shared Streets and Spaces, and Municipal / RTA EV Fleets

<sup>3</sup> Requested and final determination

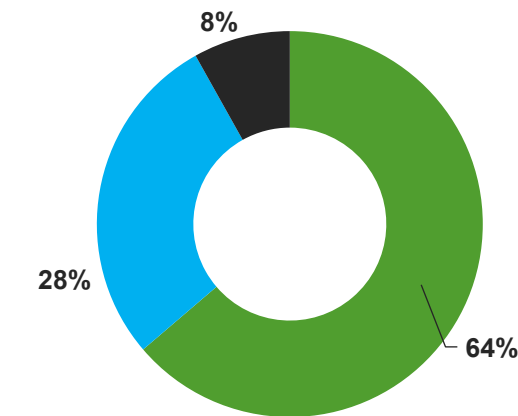
<sup>4</sup> \$125 million for Highway Program Management/Development Support and \$22.4 million for state match for additional Federal Transit Administration formula grants

# 2024-2028 Capital Plan: \$15.4 billion

Overall spending breakdown



Overall spending by priority



## Overall:

- The draft SFY 2024-2028 CIP priorities are focused on safety, while improving reliability, accessibility, sustainability and resiliency, and the equity of our network. The majority of the funds are programmed to improve safety and reliability and modernize our transportation system, with targeted investments in expansion of the system.
- The plan incorporates the federal formula funding authorized under the Bipartisan Infrastructure Law (BIL) and additional funding provided by the Commonwealth. Significant investments to improve the condition of the Commonwealth’s bridges are reflected in this CIP funded in part with the bridge formula funding provided under BIL as well as Next Generation Bridge GANs authorized under the 2021 transportation bond bill.

## Other highlights:

- MassDOT pay-go capital funding aligns with FY 24 operating budget assumptions and revenue projections provided by MassDOT’s traffic and revenue consultant to support Metropolitan Highway System, Western Turnpike and Tobin Bridge projects
- MBTA has published its own CIP for 2024-2028 and the MassDOT CIP only incorporates those state funds provided to the MBTA for ongoing projects (e.g., GLX, SCR, RL/OL vehicles and infrastructure).

millions	SFY 2023-2027 CIP	DRAFT SFY 2024-2028
Reliability	\$7,691.3	\$8,932.5
Modernization	\$3,870.1	\$3,813.2
Expansion	\$1,332.1	\$1,065.6
Chapter 90	\$1,000.0	\$1,000.0
Planning, Enterprises Services, & Other	\$979.6	\$588.9
Five-year totals	\$14,873.1	\$15,400.2

## Overview 2024-2028 projects

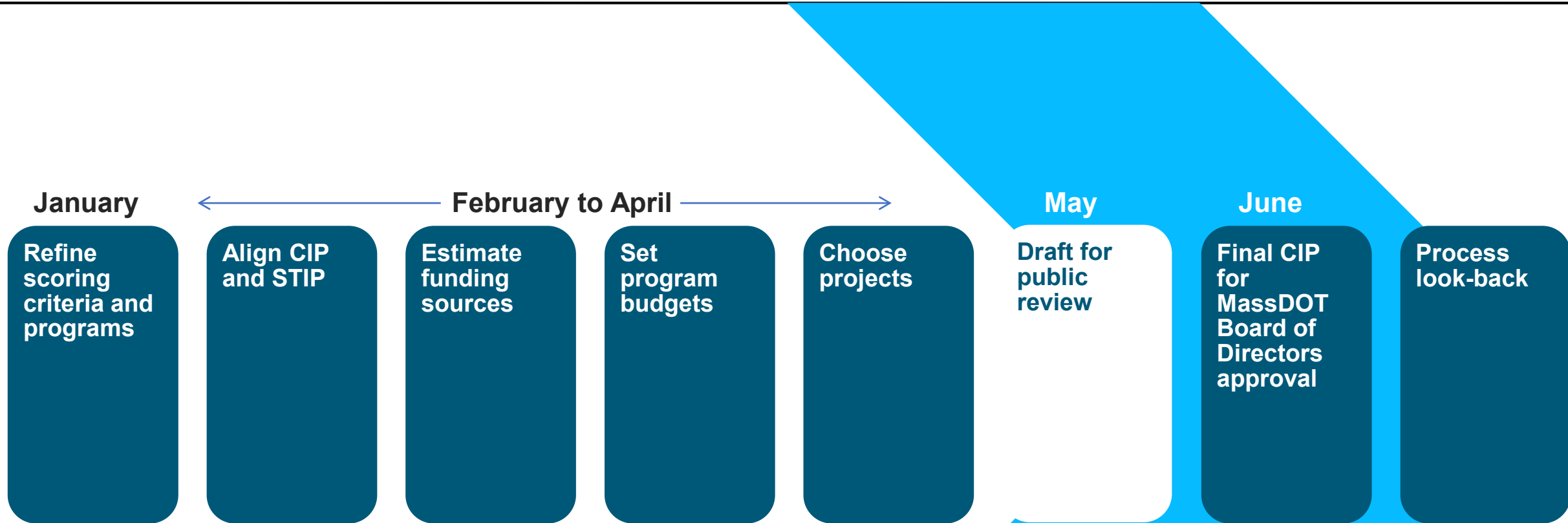
- For Highway, the Highway Infrastructure Program (HIP) HIP bridge formula funding and the Next Generation Bridge GANs permit a significant number of bridge projects to be programmed
  - Representative projects include:
    - Rourke Bridge Replacement in Lowell
    - Bridge Rehabilitation I-495 Over Route 28 in Andover-Lawrence
    - Bridge Superstructure Replacement Maffa Way & Mystic Avenue in Boston
    - Bridge Replacement Bridge Street over Merrimack River in Haverhill
    - Bridge Replacement Wareham Street over Weweantic River in Marion/Wareham
    - I-195 Superstructure and Ramps Replacement in New Bedford
    - Storrow Drive Bridge Replacement over Bowker Ramps in Boston
    - Bridge Replacement Armory Street over CSX Mainline in Springfield
    - Bridge Replacement Route 28 over Bass River in Dennis-Yarmouth
    - Drawbridge Replacement/Rehabilitation Kernwood Avenue over Danvers River in Beverly/Salem
    - Bridge Replacement Route 27 (North Main Street) over Route 9 in Natick
    - Bridge Replacement Route 2 over the Hoosic River in North Adams
    - Bridge Replacement Division Street over Housatonic River in Great Barrington
    - Bridge Preservation I-391 over State Route 116 in Chicopee
    - Bridge Replacement Turner Falls Road over Connecticut River in Greenfield-Montague
    - Bridge Bundle and Rehabilitation at I-90/I-95 Interchange in Newton-Weston



## Overview 2024-2028 projects

- Other Highway projects of note include
  - Reconstruction of Route 20 in Charlton/Oxford
  - Allston Interim Viaduct Preservation Project
  - Corridor Improvements on Route 79/Davol Street in Fall River
  - Reconstruction of I-90/I-495 Interchange in Hopkinton-Westborough
  - Tobin Bridge structure cleaning, painting and concrete repair
- For the Information Technology group:
  - Replacement of the backbone project management system for Highway and MassDOT (Project Info or PINFO)
  - RMV upgrades/enhancements to core systems
  - Disaster recovery/platform re-engineering
  - Infrastructure upgrades and telework investment
- For Aeronautics:
  - Runway 15/33 Extension at Barnstable Municipal Airport
  - Expand South Apron at Nantucket Memorial Airport
  - Expansion & Renovation of Terminal Building (Phase 1) at Martha's Vineyard Airport
- For the Rail & Transit Division:
  - Springfield Area Track Reconfiguration
  - Track and Right of Way Work on Ware River Secondary
  - Bridge Repairs and Replacements on the Connecticut River Line
  - East Deerfield Yard Intermodal Facility improvements
  - Acquisition of Electric Buses for Brockton Area Transit Authority
  - Rehabilitation/renovation of Pioneer Valley Cottage Street Facility to accommodate electric charging infrastructure and upgrades

## 2024-2028 Capital Investment Plan Process



### Where we are:

- Finalize draft 2024-2028 Capital Investment Plan
- Present to CPC on May 8 & MassDOT Board on May 17
- Post draft CIP for comment; engage public through multiple avenues (virtual)
- Public comment period closes June 9

## CIP Document Structure

The Proposed FY24–28 CIP document is structured around three major components:



**Massachusetts Department of Transportation**  
**Draft 2024-2028 Capital Improvement Plan (CIP)**  
May 2023



1

### Overview of the CIP

- Introduction and Key changes
- Programmed Spending
- CIP Approach and Structure
- Development Process
- Funding Sources
- Municipal Programs
- Selected Major Investments
- Public Engagement

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### Appendix A: FY24–28 Project List

- Detailed listing of all capital projects by Division and location included in the CIP
- Includes project ID, name, priority, CIP investment program, total cost, FY 24 spending, FY25–28 spending and post FY28 spending, if applicable

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### Appendix B: FY24–28 CIP Investment Programs

- Description of all CIP investment programs by Priority and Division in the FY24–28 CIP
- Includes programmed spending for each program

## 2023-2027 CIP Public Engagement

- The CIP is published as a virtual “story map,” providing users the opportunity to interact with the CIP content and comment on specific projects
  - A PDF version is also available on the CIP website
- MassDOT has organized six virtual regional public meetings to be held with the participation of the Metropolitan Planning Organizations (MPOs)
- Each meeting will provide a brief overview of the CIP and focus on the proposed investments for 2024-2028 in the respective region
  - Public comment will be accepted as part of the virtual public meeting and is also encouraged via the online public comment tool
  - While each meeting will focus on a specific region, comments will be accepted on any aspect of the CIP

## CIP Public Comment period: May 18 through June 9

### Virtual Public Meeting Schedule

MassDOT will host a series of public meetings across the Commonwealth with participation from the Metropolitan Planning Organizations

Zoom details for public meetings, including registration links, will be available at <http://www.mass.gov/cip>. All meetings will begin at 6:00 pm, EST, and accommodation and language translation services will be provided upon request.

#### **Tuesday, May 23<sup>rd</sup> – Western Mass/Berkshires**

Berkshire Regional Planning Commission / Pioneer Valley Metropolitan Planning Organization / Franklin Regional Council of Governments

#### **Wednesday, May 24<sup>th</sup> – Northern Middlesex/Merrimack Valley**

Northern Middlesex Planning Commission / Merrimack Valley Planning Commission

#### **Tuesday, May 30<sup>th</sup> – Boston**

Boston MPO / Central Transportation Planning Staff

#### **Wednesday, May 31<sup>st</sup> – Southeastern Massachusetts**

Old Colony Planning Council / Southeastern Regional Planning & Economic Development District

#### **Monday, June 1<sup>st</sup> – Cape and the Islands**

Cape Cod Commission / Nantucket Planning and Economic Development Commission / Martha's Vineyard Commission

#### **Monday, June 5<sup>th</sup> – Central Mass**

Central Massachusetts Regional Planning Commission / Montachusett Regional Planning Commission

- **CIP Comment Tool:** Comments will be accepted directly through the [CIP Online Comment Tool](#). Members of the public can add general comments or project-specific comments.
- **Email:** Comments can be emailed to [massCIP@state.ma.us](mailto:massCIP@state.ma.us)
- **Letters:** Physical letters will be accepted from stakeholders and members of the public wishing to use non-virtual means to participate.
- MassDOT also encourages the public to engage with your municipal leaders about your priorities for transportation projects.
- Feedback from the general public helps to inform investment decisions and will be considered as MassDOT refines the final 2024-2028 CIP for release in June.
- **Comment Period closes June 9**
- All comments will be reviewed by MassDOT staff and shared with the MassDOT Board. A summary of the comments and MassDOT response will be shared on the [mass.gov/dot/cip](http://mass.gov/dot/cip) website.

## 2024-2028 Plan: Additional Iterations

- **Changes expected before update is released for comment**
  - MPOs have released all of their TIPs for public comment; those project lists have been incorporated into the draft CIP update project lists; changes not expected until CIP released for public comment
  - Changes requested from today's meeting and MassDOT Board meeting on May 17
- **Changes expected after update is released for comment**
  - MPOs have endorsed all of their TIPs; project lists will be incorporated into the final draft CIP update
  - Changes due to any responses to public comments
- **Changes expected after June CPC & Board meetings**
  - Changes that may be requested from CPC and at the MassDOT Board meeting before publishing the final plan

## Next Steps and Discussion

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- Finalize content in on-line format for review during public comment period
- Continue with mapping of investments and an equity analysis before the MassDOT Board votes to approve the final CIP
- **Today:**
  - Need feedback on proposed draft 2024-2028 CIP and changes to highlighted projects in 2024-2028
  - Seeking CPC recommendation to full MassDOT Board to release for public comment

## Proposed Board Vote

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### VOTED:

To approve the release of the Fiscal Year 2024-2028 Capital Investment Plan (“CIP”) as presented at the May 2023 meeting of the Massachusetts Department of Transportation Board of Directors and as attached hereto as Appendix A for public comment, and to authorize the Secretary/CEO, in the name of and on behalf of the Massachusetts Department of Transportation, to take any steps deemed necessary and appropriate to provide notice to the Legislature and public of the CIP



# CIP Update: Appendix

May 17, 2023

## Review of 2024-2028 projects and changes

- The following tables highlight significant changes primarily for projects worth \$15 million or greater in total cost:
  - New projects added in this CIP
  - Projects previously programmed in the 2023-27 CIP but not included in the 2024-2028 CIP
  - Changes in cost (>10%) to total costs as compared to 2023-2027 (see Appendix)
  - Significant changes to advertising dates (> 1 year) as a result of robust Readiness Exercises
- Cost drivers include:
  - Additional inflation costs incurred when scheduled start of project shifts out
    - Highway project costs include escalation by 4% to mid-point of construction (per guidance from FHWA)
    - Conversely, if project construction is initiated sooner, inflation adjustment could reduce total project cost
  - Scope changes to MassDOT projects
  - Scope changes to MPO projects or regional target projects not under MassDOT control
  - Cost changes for materials, e.g., changes to cost of steel, liquid asphalt
  - Scope changes particularly for MassDOT bridge projects
    - MassDOT is looking to bundle multiple bridges in one project to achieve economies of scale, limit repeated disruption to users and abutters, and accelerate progress on bridge backlog

## Plan update: project status

### Project status – Existing Projects with additional funding

Existing Projects – additional funding	Division / CIP Program	Cost Increase (millions)	Status
<b>Reliability</b>			
<b>AE18000150</b> –NANTUCKET AIRPORT – EXPAND SOUTH APRON	Aeronautics   Airport Pavement	\$10.6 / +80%	Construction
<b>AE23000429/AEMVY23CON100</b> – MARTHA’S VINEYARD AIRPORT - EXPAND & RENOVATE TERMINAL BUILDING PHASE I	Aeronautics   Airport Capital Improvement	\$16.2 / +268%	Construction
<b>610726</b> - MEDFORD- READING- SOMERVILLE-STONEHAM- WINCHESTER- WOBURN- INTERSTATE PAVEMENT PRESERVATION ON I-93	Highway   Interstate Pavement	\$29.2 / +129%	Procurement
<b>608009</b> - BOXBOROUGH- BRIDGE REPLACEMENT, B-18-002, ROUTE 111 OVER I-495	Highway   Bridge	\$15.9 / +116%	Design
<b>605304</b> - HAVERHILL- BRIDGE REPLACEMENT, H-12-007 & H-12-025, BRIDGE STREET (SR 125) OVER THE MERRIMACK RIVER AND THE ABANDONED B&M RR (PROPOSED BIKEWAY)	Highway   Bridge	\$34.8 / +27%	Design
<b>605313</b> - NATICK- BRIDGE REPLACEMENT, N-03-020, ROUTE 27 (NORTH MAIN STREET) OVER ROUTE 9 (WORCESTER STREET) AND INTERCHANGE IMPROVEMENTS	Highway   Bridge	\$28.2 / +53%	25% Design
<b>606496</b> - BOSTON- BRIDGE REHABILITATION, B-16-052, BOWKER OVERPASS OVER MASS PIKE, MBTA/CSX, & IPSWICH STREET AND RAMPS (BINS 4FD, 4FG, 4FE, 4FF & 4FJ)	Highway   Bridge	\$47.3 / +86%	25 % Design
<b>606783</b> - NEWTON- WESTON- BRIDGE BUNDLE, REPLACEMENT AND REHABILITATION AT I-90/I-95 INTERCHANGE INCLUDING RAMP G (DB)	Highway   Bridge	\$71.7 / +23%	Procurement

## Plan update: project status

### Project status – Existing Projects with additional funding

Existing Projects – additional funding	Division / CIP Program	Cost Increase (millions)	Status
<b>Reliability</b>			
<b>609466</b> - HAVERHILL- BRIDGE REPLACEMENT, H-12-040, I-495 (NB & SB) OVER MERRIMACK RIVER	Highway   Bridge	\$221.4 / +202%	Design – PRC Approved
<b>612574</b> - DENNIS- YARMOUTH- BRIDGE REPLACEMENT, D-07-004=Y-01-003, ROUTE 28 OVER BASS RIVER INCLUDING INTERSECTION IMPROVEMENTS AT MAIN STREET(ROUTE 28)/NORTH MAIN STREET/OLD MAIN STREET	Highway   Bridge	\$19.1 / +54%	75% Design
<b>612631</b> - CHELMSFORD- BRIDGE REPLACEMENT, C-08-039, GORHAM STREET (ST 3A) OVER I-495 AND REHABILITATION OF C-08-036, WESTFORD STREET OVER I-495 (DB)	Highway   Bridge	\$20.9 / +79%	25% Design
<b>606527</b> - NEW BEDFORD- SUPERSTRUCTURE REPLACEMENT, N-06-020, I-195 (EB & WB) RAMP C & F OVER ST 18, COUNTY STREET, STATE STREET, MASS COASTAL RAILROAD, PURCHASE STREET, WELD STREET, INCLUDES REPLACING N-06-046, I-195 (EB) RAMP F OVER WELD STREET	Highway   Bridge	\$49.5 / +30%	25% Design
<b>RTD0010244</b> - PVTA - BUY REPLACEMENT 40-FT HYBRID BUS (5)	Transit   Vehicle Replacement	\$18.3 / + 980%	Procurement
<b>RTD0010855</b> - WORCESTER REGIONAL TRANSIT AUTHORITY: BUY REPLACEMENT 35 FT BUS (7)	Transit   Vehicle Replacement	\$22.1 / 585%	Procurement
<b>RTD0010864</b> - WORCESTER: REHABILITATION OF UNION STATION	Transit   Facility and Vehicle Maintenance	\$25.2 / 662%	Construction

Plan update: project status

Project status – Existing Projects with additional funding

Existing Projects – additional funding	Division / CIP Program	Cost Increase (millions) / Percent Change	Status / Comment
Modernization			
CAPE COD CANAL BRIDGES INFRASTRUCTURE EARLY ACTION UTILITY WORK AND PRELIMINARY DESIGN	Highway   Roadway Reconstruction	\$209.9 / +373%	Design
602659 - CHARLTON- OXFORD- RECONSTRUCTION ON ROUTE 20, FROM RICHARDSON'S CORNER EASTERLY TO ROUTE 12, INCLUDES REHAB OF C-06-023 & REPLACEMENT OF O-06-002	Highway   Roadway Reconstruction	\$19.5 / +25%	Construction
RL22000004 - STATEWIDE - STATEWIDE TRACK AND ROW MODERNIZATION	Rail   Track and ROW Modernization	\$38.0 / +633	Construction

Plan update: project status

Project status – Existing Projects with decreased funding

Existing Projects – decreased funding	Division / CIP Program	Cost Increase (millions)	Status
Reliability			
AE18000297- BARNSTABLE AIRPORT - EASEMENT FOR RUNWAY EXTENSION	Aeronautics   Airport Capital Improvement	\$6.8 / -50%	Non-construction

## Plan update: project status

### Project status – New projects

New Projects	Division / CIP Program	Cost (millions)	Status / Comment
<b>Reliability</b>			
<b>AEACK24CON106</b> - NANTUCKET AIRPORT -RECONSTRUCT RUNWAY 6-24/STUB TAXIWAYS & AIRFIELD LIGHTING (CENTER LINE/TDZ)	Aeronautics   Airport Pavement	\$68.2	Construction
<b>AECQX24MTN010</b> – CHATHAM AIRPORT - NEW ADMINISTRATION BUILDING CONSTRUCTION	Aeronautics   Airport Capital Improvement	\$6.0	Construction
<b>AEPVC24CON111</b> - PROVINCTOWN AIRPORT TERMINAL BUILDING CONSTRUCTION	Aeronautics   Airport Capital Improvement	\$20.0	Construction
<b>612495</b> - SPRINGFIELD- BRIDGE REPLACEMENT, S-24-070, TAPLEY STREET OVER I-291 AND CSX	Highway   Bridge	\$16.9	Design
<b>612799</b> - GREENFIELD- MONTAGUE- BRIDGE REPLACEMENT, G-12-002, TURNERS FALLS ROAD OVER CONNECTICUT RIVER, M-28-015, 5TH STREET OVER CANAL, M-28-16A, 6TH STREET OVER CANAL	Highway   Bridge	\$52.8	Design
<b>612989</b> - BOSTON- BRIDGE PRESERVATION, B-16-066 (38D), CAMBRIDGE STREET OVER MBTA	Highway   Bridge	\$18.2	Design
<b>613005</b> - DISTRICT 5- OFF-SYSTEM BRIDGE BUNDLE, D-14-008, L-01-011, L-01-015, M-03-018, P-13-031, P-13-035, W-06-038 (DB)	Highway   Bridge	\$36.6	Procurement

Plan update: project status

Project status – Change in Ad Dates > 1 year (acceleration)

Change in Advertising Date	Division / CIP Program	# Days Ad Date Accelerated	Status / Comment
612093 - LANCASTER- LEOMINSTER- INTERSTATE MAINTENANCE AND RELATED WORK ON I-190	Highway   Interstate Pavement	(728)	Design
604003 - PITTSFIELD- RECONSTRUCTION OF EAST STREET (ROUTE 9)	Highway   Capacity	(532)	Design



## Plan update: project status

### Project status – Change in Ad Dates (> 1 year)

Change in Advertising Date	Division / CIP Program	# Days Delay In Ad Date	Status / Comment
<b>608768</b> - PITTSFIELD- RESURFACING AND RELATED WORK ON MERRILL ROAD, INCLUDING CONSTRUCTION OF SHARED-USE PATH	Highway   Non-Interstate Pavement	1,134	Design
<b>607825</b> - WAREHAM- SHARED USE PATH CONSTRUCTION ADJACENT TO NARROWS ROAD AND MINOT AVENUE	Highway   Bicycle and Pedestrian	1,113	Design
<b>607675</b> - WILLIAMSBURG- BRIDGE REPLACEMENT, W-36-011 & W-36-017, BRIDGE STREET OVER THE MILL RIVER AND SOUTH MAIN STREET OVER THE MILL RIVER	Highway   Bridge	798	Design
<b>610537</b> - BOSTON- ELLIS ELEMENTARY TRAFFIC CALMING (SRTS)	Highway   Safe Routes to School	756	Design
<b>606226</b> - BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	Highway   Roadway Reconstruction	756	Design
<b>610779</b> - HAMPDEN- BRIDGE REPLACEMENT, H-04-004, ROCKADUNDEE BRIDGE OVER SCANTIC RIVER	Highway   Bridge	749	Design
<b>612607</b> - DANVERS- RAIL TRAIL WEST EXTENSION (PHASE 3)	Highway   Bicycle and Pedestrian	742	Design
<b>607748</b> - ACTON- INTERSECTION & SIGNAL IMPROVEMENTS ON SR 2 & SR 111 (MASSACHUSETTS AVENUE) AT PIPER ROAD & TAYLOR ROAD	Highway   Intersection Improvements	742	Design
<b>609108</b> - GARDNER- BIKE PATH BRIDGE CONSTRUCTION, NORTH CENTRAL PATHWAY OVER ROUTE 140	Highway   Bicycle and Pedestrian	742	Design
<b>610825</b> - SHREWSBURY- REHABILITATION & BOX WIDENING ON ROUTE 20, FROM ROUTE 9 TO SOUTH STREET	Highway   Roadway Reconstruction	742	Design

## Plan update: project status

**Project status – Change in Ad Dates (> 1 year)**

Change in Advertising Date	Division / CIP Program	# Days Delay In Ad Date	Status / Comment
<b>605743</b> - IPSWICH- RESURFACING & RELATED WORK ON CENTRAL & SOUTH MAIN STREETS	Highway   Roadway Reconstruction	742	Design
<b>607764</b> - SHREWSBURY- INTERSECTION & SIGNAL IMPROVEMENT AT US 20 (HARTFORD TURNPIKE) AT GRAFTON STREET	Highway   Intersection Improvements	728	Design
<b>610802</b> - SOMERSET- STORMWATER IMPROVEMENTS ALONG ROUTE 6, ROUTE 138, AND ROUTE 103 FOR TAUNTON RIVER	Highway   Roadway Improvements	693	Design
<b>608564</b> - WATERTOWN- INTERSECTION IMPROVEMENTS AT ROUTE 16 AND GALEN STREET	Highway   Intersection Improvements	644	Design
<b>609509</b> - LAWRENCE- INTERSECTION IMPROVEMENTS AT MERRIMACK STREET AND SOUTH BROADWAY (ROUTE 28)	Highway   Intersection Improvements	581	Design
<b>607342</b> - MILTON- INTERSECTION IMPROVEMENTS AT ROUTE 28 (RANDOLPH AVENUE) & CHICKATAWBUT ROAD	Highway   Intersection Improvements	581	Design
<b>600935</b> - HOLYOKE- BRIDGE REPLACEMENTS, H-21-014, ROUTE 141 (APPLETON STREET) OVER SECOND LEVEL CANAL & H-21-020 OVER FIRST LEVEL CANAL	Highway   Bridge	560	Design
<b>609186</b> - DUDLEY- BRIDGE REPLACEMENT, D-12-026, STATE ROUTE 131 OVER THE QUINEBAUG RIVER	Highway   Bridge	539	Design
<b>610670</b> - HARWICH- HARWICH ELEMENTARY SCHOOL (SRTS)	Highway   Safe Routes to School	532	Design
<b>609531</b> - ARLINGTON- STRATTON SCHOOL IMPROVEMENTS (SRTS)	Highway   Safe Routes to School	511	Design

## Plan update: project status

**Project  
status –  
Change in  
Ad Dates  
(> 1 year)**

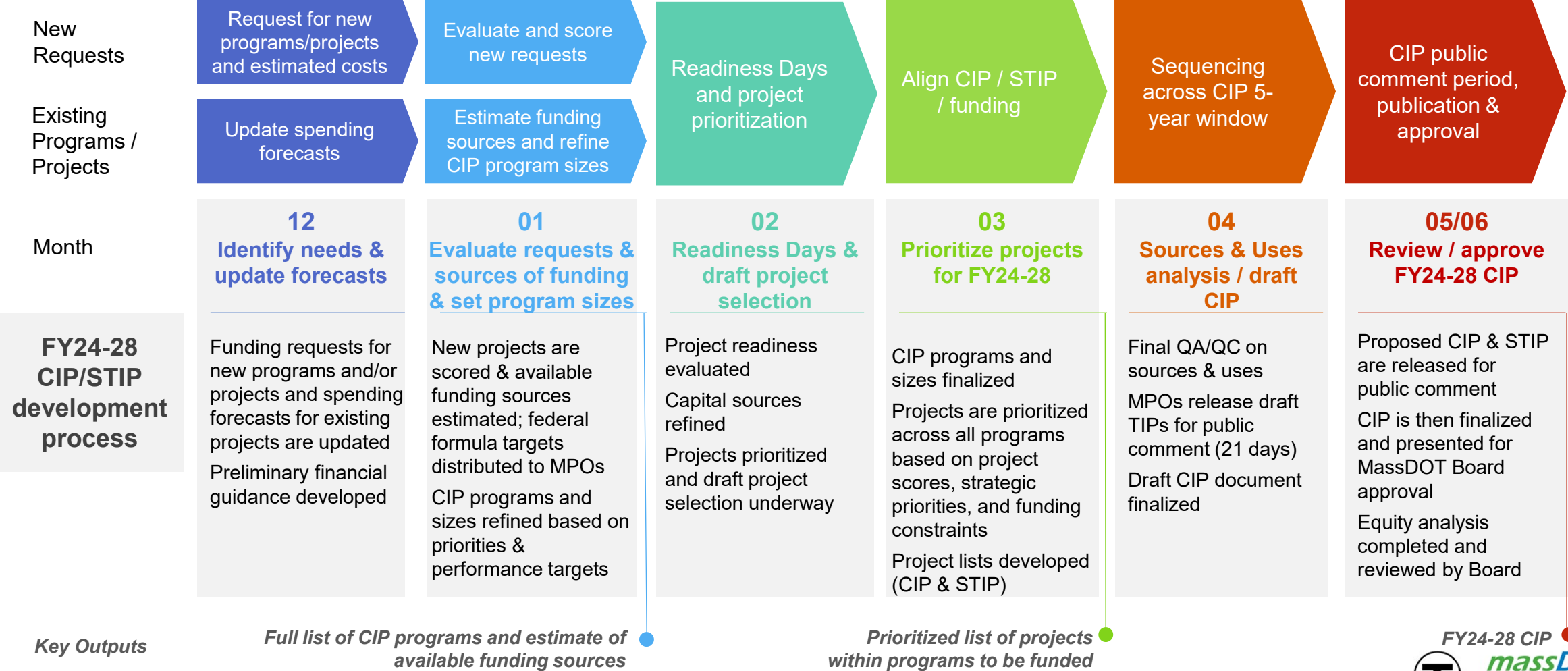
Change in Advertising Date	Division / CIP Program	# Days Delay In Ad Date	Status / Comment
<b>610782</b> - DANVERS- MIDDLETON- BRIDGE REPLACEMENT, D-03-009=M-20-005, ANDOVER STREET (SR 114) OVER IPSWICH RIVER	Highway   Bridge	511	Design
<b>609467</b> - HAMILTON- IPSWICH- SUPERSTRUCTURE REPLACEMENT, H-03-002=I-01-006, WINTHROP STREET OVER IPSWICH RIVER	Highway   Bridge	490	Design
<b>608197</b> - BOSTON- BRIDGE REHABILITATION, B-16-107, CANTERBURY STREET OVER AMTRAK RAILROAD	Highway   Bridge	483	Design
<b>607979</b> - MARION- SHARED USE PATH CONSTRUCTION (PHASE 1), FROM THE MARION-MATTAPOISETT T.L. TO POINT ROAD	Highway   Bicycle and Pedestrian	476	Design
<b>609074</b> - MONTEREY- BRIDGE REPLACEMENT, M-29-001, CURTIS ROAD OVER KONKAPOT RIVER	Highway   Bridge	441	Design
<b>607417</b> - TAUNTON- RECONSTRUCTION AND EXPANSION OF DISTRICT FIVE ADMINISTRATION BUILDING	Highway   Facilities	441	Design
<b>608744</b> - PROVINCETOWN- CORRIDOR IMPROVEMENTS AND RELATED WORK ON SHANK PAINTER ROAD, FROM ROUTE 6 TO BRADFORD STREET	Highway   Roadway Reconstruction	413	Design
<b>608788</b> - SOUTHBRIDGE- INTERSECTION IMPROVEMENTS AT CENTRAL STREET, FOSTER STREET, HOOK STREET AND HAMILTON STREET	Highway   Intersection Improvements	406	Design
<b>609533</b> - ROCKLAND- PEDESTRIAN AND BICYCLE IMPROVEMENTS ON MARKET STREET (ROUTE 123)	Highway   Bicycle and Pedestrian Modal Implementation	399	Design
<b>609187</b> - HUBBARDSTON- BRIDGE REPLACEMENT, H-24-003, WILLIAMSVILLE ROAD OVER THE BURNSHIRT RIVER	Highway   Bridge	385	Design

## Plan update: project status

**Project  
status –  
Change in  
Ad Dates  
(> 1 year)**

Change in Advertising Date	Division / CIP Program	# Days Delay In Ad Date	Status / Comment
<b>609510</b> - DRACUT- IMPROVEMENTS AT GEORGE ENGLESBY ELEMENTARY SCHOOL (SRTS)	Highway   Safe Routes to School	378	Design
<b>610657</b> - EASTHAMPTON- NORTHAMPTON- INSTALLATION OF A SHARED-USE PATH ALONG MOUNT TOM ROAD FROM THE MANHAN TRAIL TO ATWOOD DRIVE	Highway   Bicycle and Pedestrian	371	Design
<b>612101</b> - FALL RIVER- MARY FONSECA ELEMENTARY SCHOOL (SRTS)	Highway   ADA Retrofits	371	Design
<b>610728</b> - LEE- BECKET- RESURFACING AND RELATED WORK ON ROUTE 20	Highway   Non-Interstate Pavement	371	Design
<b>608861</b> - WESTFORD- BRIDGE REHABILITATION, W-26-002, STONY BROOK ROAD OVER THE STONY BROOK	Highway   Bridge	371	Design
<b>612523</b> - REVERE- STATE ROAD BEACHMONT CONNECTOR	Highway   Bicycle and Pedestrian	371	Design
<b>608498</b> - QUINCY- WEYMOUTH- BRAINTREE- RESURFACING AND RELATED WORK ON ROUTE 53	Highway   Non-Interstate Pavement	371	Design
<b>607570</b> - LEE- BIKEWAY CONSTRUCTION, FROM STOCKBRIDGE T.L. TO WEST PARK STREET (PHASE 1)	Highway   Bicycle and Pedestrian	371	Design
<b>605983</b> - WHATELY- REHABILITATION OF HAYDENVILLE ROAD, FROM CONWAY ROAD TO THE WILLIAMSBURG T.L. (1.7 MILES)	Highway   Roadway Reconstruction	371	Design
<b>610666</b> - SWAMPSCOTT- RAIL TRAIL CONSTRUCTION	Highway   Bicycle and Pedestrian	371	Design

# CIP/STIP Development Timeline for 2024-2028



## MassDOT spending comparison<sup>1</sup> (changes highlighted in red)

	April	May
Projected Uses (in millions)	2024-2028	2024-2028
Federal Highway (FHWA) reimbursements	5,544.1	5,932.6
Federal Transit (FTA) reimbursements <sup>2</sup>	63.7	63.7
Federal Aviation (FAA) reimbursements and grant draws	364.8	364.8
Federal Rail (FRA) reimbursements and grant draws	4.8	4.8
<b>Subtotal federal spending<sup>1</sup></b>	<b>\$5,977.3</b>	<b>\$6,365.8</b>
Bond cap	5,651.9	5,651.9
Next Generation Bridges - GANs	771.5	824.8
Accelerated Bridge bonds	2.9	3.5
Rail enhancement bonds	809.6	811.0
CARM***	164.2	166.0
Metropolitan Highway system (MHS) pay-go	827.9	839.6
Tobin Bridge (Tobin) pay-go	131.5	132.0
Western Turnpike (WT) pay-go	490.2	503.1
Municipal, reimbursable and local funds	53.6	53.6
Other state funds <sup>4</sup>	49.9	48.9
<b>Subtotal of non-federal spending<sup>1</sup></b>	<b>\$8,952.2</b>	<b>\$9,034.4</b>
<b>Total spending<sup>1</sup></b>	<b>\$14,929.6</b>	<b>\$15,400.2</b>

<sup>1</sup> Totals may not add due to rounding

<sup>2</sup> Only includes FTA grants provided to MassDOT Transit and not the FTA grants provided to the RTAs directly

<sup>3</sup> Projects programmed with CARM funds must be approved in advance by FHWA

<sup>4</sup> Includes VW settlement funds, HED funds, ARPA funds (MBTA)

## Comparison of 2023-2027 vs. 2024-2028<sup>1</sup> (\$ millions)

Division	2023-2027	2024-2028 <sup>1,2</sup>
Aeronautics	333.6	480.1
Highway	9,913.9	11,281.4
Highway Bicycle/Pedestrian Modal Implementation	60.0	61.1
Information Technology	122.6	111.0
MassDOT Rail	370.1	357.5
Registry of Motor Vehicles <sup>3</sup>	18.2	16.8
MassDOT Transit	238.3	306.4
Chapter 90	1,000.0	1,000.0
Planning	1,004.0	588.9
Municipal Programs <sup>4</sup>	386.0	359.5
<b>Total MassDOT <sup>1</sup></b>	<b>\$13,447.2</b>	<b>\$14,562.5</b>
MBTA <sup>5</sup>	1,425.9	837.6
<b>MassDOT + MBTA <sup>1</sup></b>	<b>\$14,873.1</b>	<b>\$15,400.2</b>

<sup>1</sup> Totals may not add due to rounding; does not include additional funding and spending under consideration by ANF but does include BIL funding

<sup>2</sup> 2024-2028 estimates have been updated to incorporate draft STIP

<sup>3</sup> Reflects baseline RMV capital spending; no ATLAS spending anticipated for 2024-2028

<sup>4</sup> Includes Complete Streets, Small Municipal Bridge, Municipal Pavement, Local Bottleneck Reduction, Shared Streets and Spaces and Municipal/RTA EV Fleets

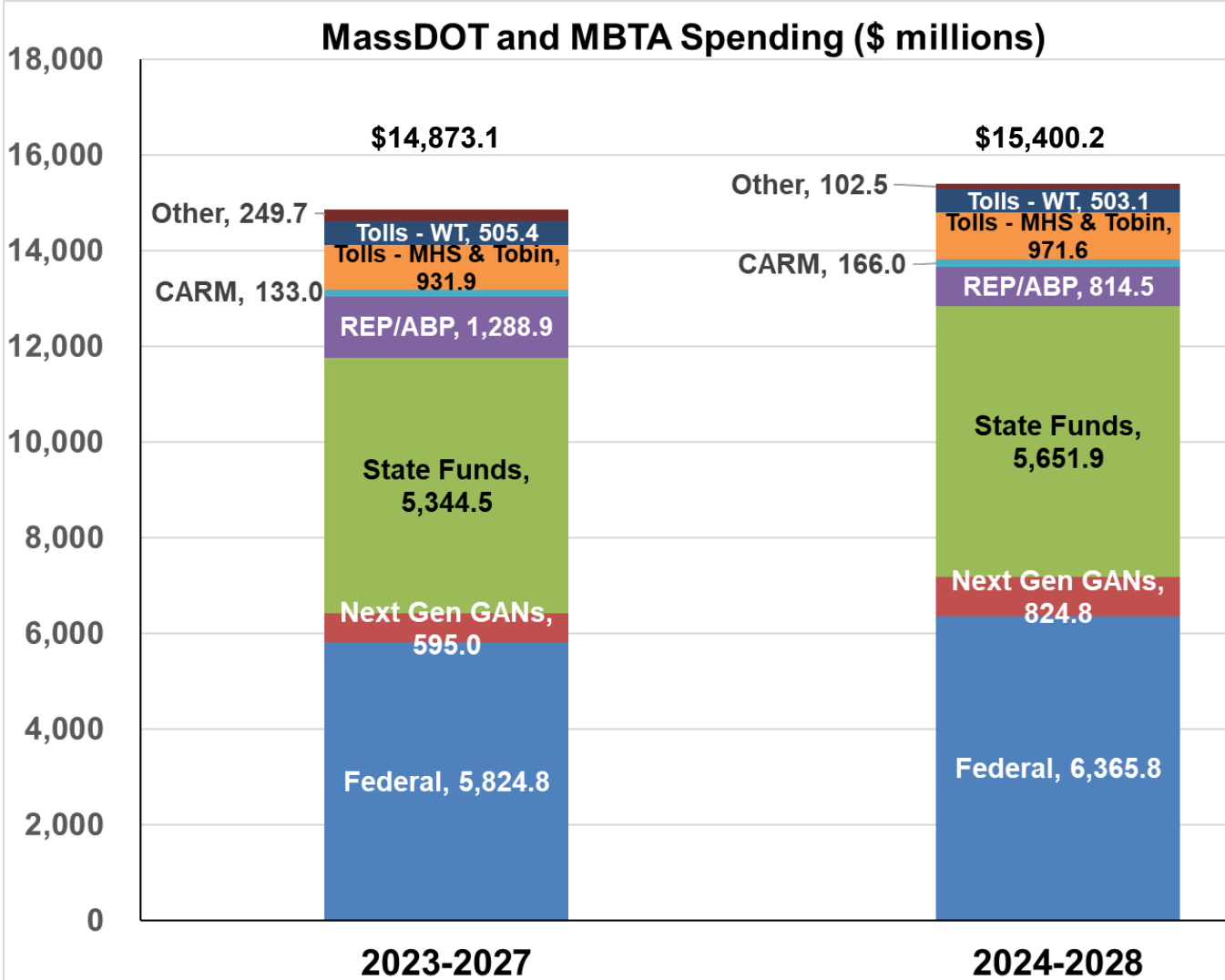
<sup>5</sup> Reflects Commonwealth's commitment (bond cap and REP funds) for SCR, GLX and other MBTA expansion projects

## MassDOT Pay-go Capital Funding Comparison (a/o May 15, 2023)

Facility / Actuals & Projections		2023-2027	2024-2028
<b>Metropolitan Highway System</b>	Revenues	1,849.6	1,968.3
	Expenses	662.0	703.9
	Debt Service	710	718.3
	<b>Available for Capital</b>	<b>\$477.5</b>	<b>\$546.2</b>
	Reserves	\$200.0	\$200.0
<b>Western Turnpike</b>	Revenues	\$973.6	\$1,066.0
	Expenses	468.3	486.5
	<b>Available for Capital</b>	<b>\$505.4</b>	<b>\$579.5</b>
	Reserves	\$130.0	\$130.0
<b>Tobin Bridge</b>	Revenues	229.3	271.3
	Expenses	75.9	72.2
	<b>Available for Capital</b>	<b>\$153.4</b>	<b>\$199.1</b>
	Reserves	\$118.0	\$100.0
<b>Total Available for Pay-Go Capital</b>	<b>Total Available for Capital</b>	<b>\$1,136.3</b>	<b>\$1,324.8</b>
	Total Reserves	\$448.0	\$430.0



MassDOT & MBTA<sup>1</sup> Spending: 2024-2028 (\$ millions)



Spending Highlights:

**Bond Cap/State Funds:** Funds the state match for the federal aid projects (Highway/Planning) and IT, Rail, Transit (match for FTA funds received by RTAs), state match for FAA grants, Chapter 90 and Municipal Programs **Federal:**

- FHWA reimbursements for projects underway and/or schedule to advertise in FY24-FY28
- Other federal funds includes FTA funds for MAP, BUILD grant for Rail (NECR project) and freight (FHWA/FRA) funds for East Deerfield Intermodal Facility

**GANs:** reflects spending anticipated for eligible projects; all projects are in the FY24-FY28 STIP

**Rail Enhancement Program/Accelerated Bridge Program (REP/ABP)** – State Special Obligation Bonds used to fund MBTA expansion projects as well as remainder of Highway’s ABP

Operating:

- Spending for projects underway or scheduled to start (includes Sumner Tunnel, lighting projects, Newton/Weston I-90/I-95, among others)
- Pay-go capital aligns with preliminary FY24 operating budget assumptions

**CARM:** spending on projects approved by FHWA

Other:

- Spending on transportation improvements in Seaport District funded with HED cap, VW settlement funds and/or local matching funds (Aeronautics)

<sup>1</sup> MBTA **state** spending includes \$837.6 million in REP and Other Commonwealth funds for FY24-FY28

