

Capital Investment Plan Update 2023-2027

MassDOT Board of Directors

May 18, 2022

CIP 2023-2027 Development

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
 - CIP programs incorporate funding for several new programs authorized in the final Transportation Bond Bill (TBB)
 - 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 23 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 Engagement for CIP / STIP Development

	Capital Program Committee	MassDOT Board
December	CIP strategic framework/federal funding update/initial estimate of federal sources / changes	
January	CIP / timeline / milestones / public engagement / proposed programs and/or changes / initial federal funding estimates (1/12/22)	
February	Status of CIP programs and size considerations / changes / preliminary sources estimates (2/9/22)	Status of CIP programs and size considerations / changes / preliminary sources estimates (2/16/22)
March	Final discussion on programs, sizes / prior CIP comparisons and initial fiscal constraint analysis / initial draft project lists for MPO engagement / begin drafting CIP (3/9/22)	
April	Final draft sources and uses; initial project lists and project changes from the 2022 CIP / MPOs release draft 5-year TIPs for 21-day public comment period (4/6/22)	Final draft sources and uses; initial project lists and project changes from the 2022 CIP / MPOs release draft 5-year TIPs for 21-day public comment period (4/13/22)
May	Draft CIP update including any updates to sources & uses / MassDOT Board vote to release for public comment STIP released for public comment (5/11/22 and 5/18/22)	
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 (6/8/22 and 6/15/22)	

CIP Proposed New Programs

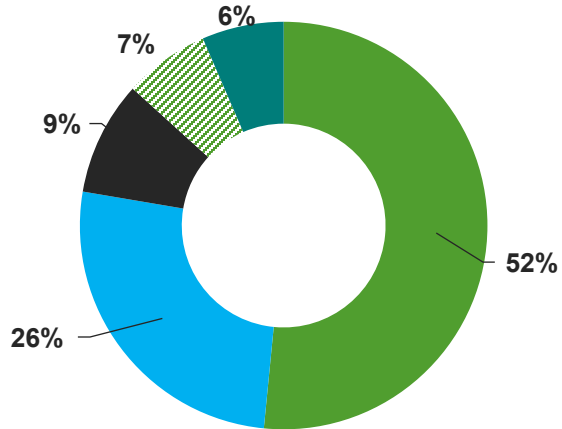
Program	Description	Program Plan / Guidance	Measure / Project Selection	CIP spending assumptions detail
OTP/Highway / National Electric Vehicle Formula program (new federal formula funds)	Funds deployment of electric vehicle (EV) charging infrastructure and establishment of an interconnected network to facilitate data collection, access and reliability. Eligible uses include acquisition and installation of EV charging infrastructure, operations and maintenance costs related to EV infrastructure and data sharing about the EV infrastructure.	EV Infrastructure Charging Plan for use of funds to be developed by MassDOT and submitted to USDOT	Measure / N/A Selection / TBD	TBD for FY 23; \$63.5 million for FY 23-FY27
Highway / EV Charging Infrastructure (Municipal grant program)	This proposed new grant program would provide grant funding to municipalities and regional transit authorities (RTAs) for the integration of electric vehicles (EV) and EV equipment in communities. Eligible costs include the purchase of electric vehicles for municipal or RTA vehicle fleets, electric vehicle charging stations, related trainings, as well as studies and plans for the integration of EVs	2021 Transportation Bond Bill	Measure / N/A Selection / Municipalities propose projects; MassDOT confirms eligibility and awards grants via competitive selection process	\$2.5 million for FY 23; \$25 million in projected spending for FY23-FY27; Approved for funding
Aeronautics / Unmanned Autonomous Aviation Systems	This program collects, analyzes, stores and disseminates imagery data and derived data information and products using unmanned aircraft systems (UAS or drones). UAS data information systems will ensure the safety of airspace through the detection, tracking, and identification of unmanned and manned aircraft around airports and other transportation assets, while allowing long range state of good repair operations for air and surface transportation assets. Use of drones can allow for quick, efficient detail data collection about the conditions of the state's transportation system.	Statewide Airport System Plan; Supports MassDOT Divisions Asset Management Plans	Measure / N/A Selection / N/A	\$2.3 million for FY 23; \$11 million in projected spending for FY23-FY27; Not approved for CIP

Adjustments to Revenues / Sources

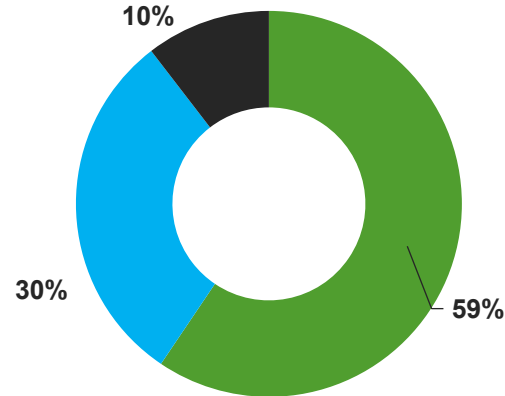
- **State Bond Cap**
 - Bond cap targets have been finalized with the Executive Office of Administration and Finance (ANF)
 - ANF has provided \$465.7 million in additional bond cap as match to our increase in federal formula funds (2023-2027)
 - In addition, ANF has approved \$232.3 in non-BIL related requests for additional bond cap
 - In total, MassDOT/MBTA will receive \$5,344.5 million in bond cap for 2023-2027
- **Federal Funds**
 - 2023-2027 CIP incorporates the new funding levels provided 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 2023-2027 State Transportation Improvement Program (STIP)
 - Federal aid sources are tied to the 2023-2027 STIP
 - FAA grants available for the public use airports incorporated
 - FRA grant funding (\$8.8 million) for New England Central Rail project continues for 2023-2027
 - CIP also includes the \$150.8 million in CRRSAA funds that were allocated to MassDOT in 2021
- **Pay-Go Capital Funds - MassDOT**
 - Availability and amount of pay-go capital funds reflect the current FY23 MassDOT operating budget assumptions
- **Other Commonwealth**
 - \$50 million earmark in ARPA 1.0 funds provided to the MBTA for investments to Transit Station Improvements

2023-2027 Plan: \$14.7 billion

Overall spending breakdown



Overall spending by priority



Overall:

- The draft SFY 2023-2027 CIP maintains the investment strategy of the prior CIPs. The majority of the funds go toward the reliability and modernization of our transportation system, with targeted investments in expansion of the system. The plan incorporates the new federal formula funding provided under the Bipartisan Infrastructure Law (BIL) and additional funding provided by the Commonwealth. A significant investment to improve the condition of the Commonwealth’s bridges is reflected in this CIP funded in part with the new bridge formula funding provided under BIL as well as new Next Generation Bridge GANs authorized under the 2021 transportation bond bill.
- A statewide long range transportation plan (SLRTP) is under development and will inform the development of future CIPs.

Other highlights:

- MassDOT pay-go capital aligns with FY 23 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 a stand-alone CIP for 2023-2027 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)

<i>millions</i>	SFY 2022 CIP	DRAFT SFY 2023 CIP	DRAFT SFY 2023-2027
Reliability	\$1,211.7	\$1,277.4	\$7,596.3
Modernization	\$501.8	\$666.0	\$3,848.2
Expansion	\$502.7	\$489.1	\$1,334.0
Chapter 90	\$200.0	\$200.0	\$1,000.0
Planning, Enterprises Services, & Other	\$201.8	\$150.2	\$956.2
<i>One and five-year totals</i>	\$2,623.7	\$2,782.8	\$14,734.8

Bond Cap/State Funds Comparison for MassDOT and MBTA

(\$ millions)	FY 2022 ¹	FY 2023 ¹	FY 2023-2027
MassDOT	\$615.2	\$604.1	3,250.1
Chapter 90	200.0	200.0	1,000.0
SCR/MBTA	73.9	102.4	102.4
MBTA	60.0	0.0	0.0
Atlas	7.0	7.0	7.0
Port Projects	37.5	0.0	0.0
Municipal Programs (Base) ²	46.5	54.0	287.0
Subtotal Base Bond Cap	\$1,040.1	\$967.4	\$4,646.5
BIL State Match (FHWA formula funds)	0.0	\$91.9	\$465.7
Subtotal Base + BIL	\$1,040.1	\$1,059.3	\$5,112.2
Recommended Additional Bond Cap³			
Existing Municipal Programs		15.0	65.0
New Municipal EV Charging Program		2.5	25.0
Highway - Equipment		5.0	15.0
Highway – Facilities & Highway Roadway Improvements		15.4	96.0
IT and Enterprise Services		10.4	31.3
Additional Bond Cap		\$48.4	\$232.3
Total Bond Cap		1,107.7	5,344.5
State Funds MBTA BIL Match		29.0	145.0
State Operating Surplus Funds		30.0	150.0
Total Bond Cap/State Funding	\$1,040.1	\$1,166.4	\$5,639.5

¹Totals may not add due to rounding

² Municipal programs includes Complete Streets, Municipal Bridge, Municipal Pavement, Local Bottleneck Reduction, Shared Streets and Spaces, and Transit Infrastructure Partnership

³ Recommended for funding in Commonwealth’s Capital Plan.

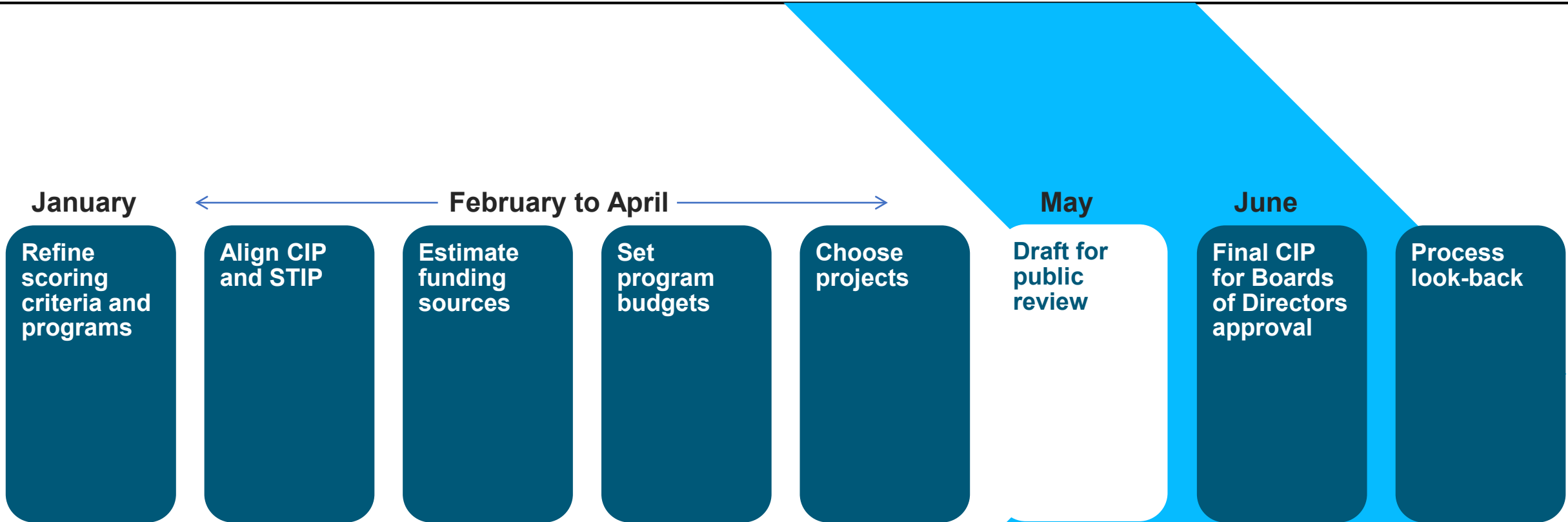
Overview 2023-2027 projects

- In general, projects in 2023 looks somewhat similar to the 2022 plan, however with the influx of new federal funding and additional Commonwealth funding, there are a significant number of new projects reflected in the 2023-2027 CIP
- For Highway, the new bridge formula funding and the programmed Next Generation Bridge GANs permit a significant number of new bridge projects to be programmed
 - Representative projects include:
 - Rourke Bridge Replacement in Lowell
 - Bridge Rehabilitation I-495 Over Route 28 in Andover
 - 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
 - Bridge Preservation on I-93 from Rt. 28 to Temple Street in Somerville
 - Storrow Drive Bridge Replacement over Bowker Ramps in Boston
 - St. James Avenue Bridge Replacement in Springfield
 - Bridge Replacement Park Avenue over the Connecticut River in Springfield/West Springfield
 - Bridge Replacement Memorial Drive over Brookline Street in Cambridge
 - Drawbridge Replacement/Rehabilitation Kernwood Avenue over Danvers River in Beverly/Salem
 - Bridge Replacement Bridge Street over Westfield River in Russell
 - Bridge Replacement Route 2 over the Hoosic River in North Adams
 - Bridge Replacement Division Street over Housatonic River in Great Barrington

Overview 2023-2027 projects

- Other new Highway projects of note include:
 - I-90/I-95 Interchange viaduct and ramps project in Newton/Weston
 - Reconstruction of Route 20 in Charlton/Oxford
 - Replacement of District 4 and District 5 Administration Buildings
- For the Information Technology group:
 - Replacement of the backbone project management system for Highway and MassDOT (Project Info or PINFO)
 - Development of the Crash System for RMV
- For Aeronautics:
 - Easement Acquisition for Runway Extension at Barnstable Municipal Airport
 - Reconstruction of Runway 16-34 at Beverly Regional Airport
 - Relocation of Taxiway C and Taxiway F at Nantucket Memorial Airport
- For the Rail Group:
 - Bridge Repairs and Replacements on the Connecticut River Line
 - Track and ROW Work (Contractual Obligation) on the Berkshire Line
 - New England Central Rail Track ROW Modernization project

2023-2027 Capital Investment Plan Process



Where we are:

- Finalize draft 2023-2027 Capital Investment Plan
- Present to CPC May 11, MassDOT Board May 18
- Post draft CIP for comment; engage public through multiple avenues (virtual)
- Public comment period closes June 8

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) and the Highway district offices
- Each meeting will provide a brief overview of the CIP and focus on the proposed investments for 2023-2027 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 8

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 24th – Western Mass/Berkshires

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

Wednesday, May 25th – Northern Middlesex/Merrimack Valley

Northern Middlesex Planning Commission / Merrimack Valley Planning Commission

Thursday, May 26th – Central Mass

Central Massachusetts Regional Planning Commission / Montachusett Regional Planning Commission

Tuesday, May 31st – Boston

Boston MPO / Central Transportation Planning

Wednesday, June 1st – Southeastern Mass

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

Thursday, June 2nd – Cape and the Islands

Cape Cod Commission / Nantucket Planning and Economic Development Commission / Martha's Vineyard 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
- **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 2023-2207 CIP for release in June.
- 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 website.

2023-2027 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 MassDOT Board meeting
- **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 Board meeting before publishing the final plan

Next Steps and Discussion

- Incorporate any changes requested by the MassDOT Board
- 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 in June
- **Today:**
 - Need feedback on proposed draft 2023-2027 CIP and changes to highlighted projects in 2023-2027
 - MassDOT Board approval to release Draft CIP for public comment

Appendix

- Board Engagement
- State Sources Detail
- Spending Comparison
- Changes in Proposed Spending since April
- Updated Pay-Go Tolls Available for Capital
- Review of Proposed Projects and Changes

CIP State sources

- Additional funding required as a state match to support the increase in federal formula funds (approximately \$630 million over the five years) will be provided by ANF
 - \$465 million in additional bond cap plus \$150 million in operating surplus funds
- \$595 million in new Grant Anticipation Notes (estimated spending) to support the Highway bridge program is programmed for 2023-2027
- ANF has recommended additional bond cap that will be utilized to improve the condition of our transportation assets and add new capacity for our cities and towns
 - \$15 million for Municipal Pavement
 - \$25 million for Complete Streets
 - \$25 million for Small Municipal Bridge
 - \$25 million for Municipal Electric Vehicle Charging Infrastructure
- In addition, ANF has recommended for funding in its capital plan:
 - \$15 million for Highway Equipment to enhance the Commonwealth's snow removal capacity
 - \$17.1 million for IT to replace key backbone systems/networks for Highway (Project Info) and develop Crash System for RMV
 - \$18.2 million for Security and Property Services to address building infrastructure issues at 10 PP and improve security access throughout the building
 - \$74.8 million for renovation or reconstruction of Highway Districts 4 and 5 administration buildings to accommodate new staffing needed to deliver the federal aid program, a hybrid work environment and address the facilities that are beyond their useful lives

Comparison of 2022 vs 2023 and total for 2023-2027¹ (\$ millions)

Division	2022	2023 ²	2023-2027
Aeronautics	\$52.2M	\$34.3M	\$333.6
Highway	\$1,336.3M	\$1,575.9M	\$9,791.8
Highway/Office of Secretary	\$10.0M	\$12.0M	\$60.0
Information Technology	\$21.0M	\$30.1M	\$120.1
MassDOT Rail	\$79.2M	\$81.1M	\$408.7
Registry of Motor Vehicles ³	\$8.8M	\$8.7M	\$14.4
MassDOT Transit	\$54.2M	\$60.3M	\$238.3
Chapter 90	\$200.0M	\$200.0M	\$1,000.0
Commonwealth Projects ⁴	\$37.5M	\$0.0M	\$0.0
Planning	\$156.5M	\$157.7	\$1,027.3
Municipal Programs ⁵	\$46.5	\$76.0	\$386.0
Total MassDOT	\$2,002.3	\$2,228.5	\$13,308.8
MBTA ⁶	\$621.4	\$554.3	\$1,425.9
MassDOT + MBTA	\$2,623.7	\$2,782.8	\$14,734.8

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

² 2023 and 2023-2027 estimates have been updated to incorporate draft STIP

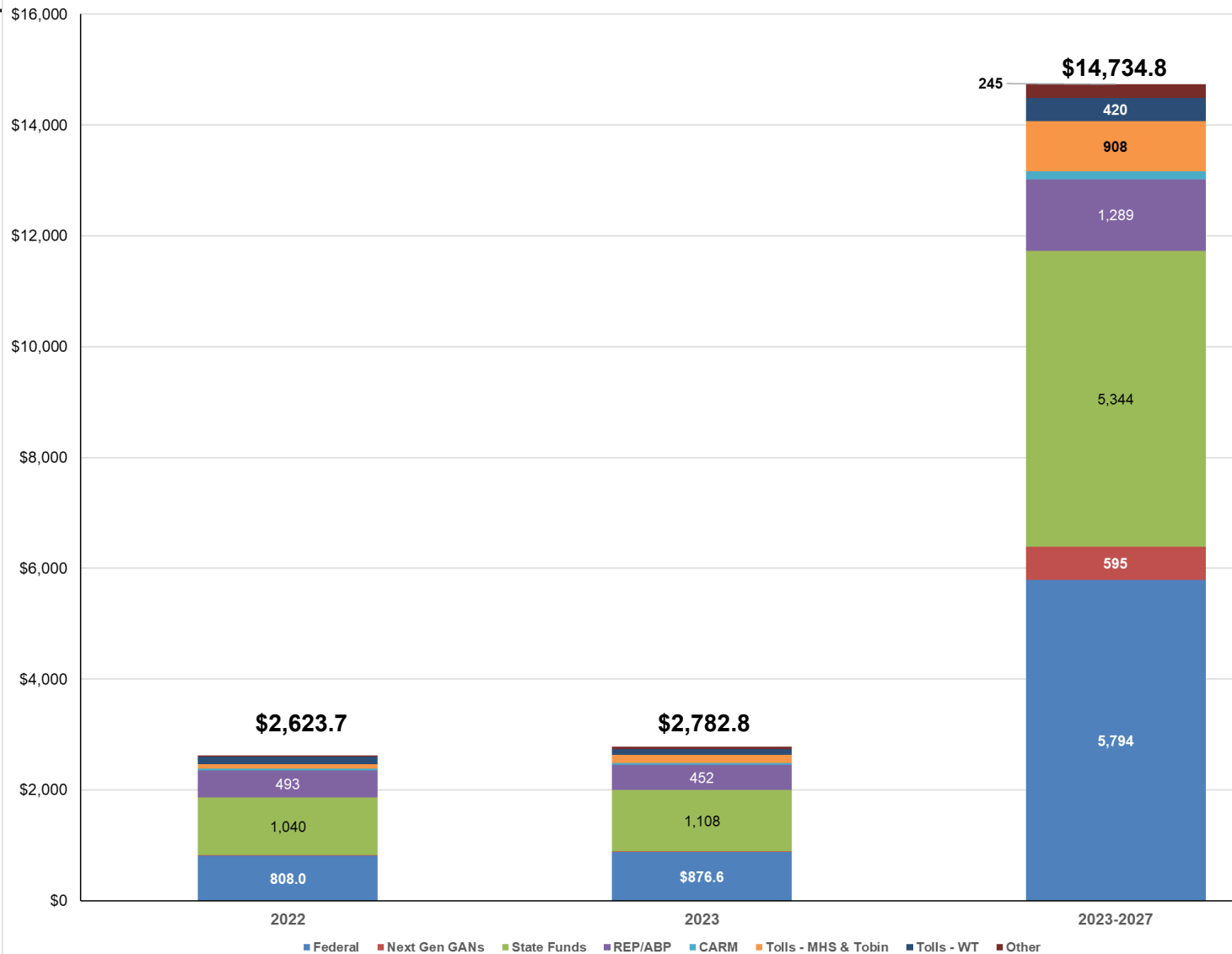
³ Reflects anticipated spending for ATLAS and baseline RMV capital spending

⁴ Reflects Commonwealth commitment to Massport Harbor Dredging project which was fulfilled in FY 22

⁵ Includes Complete Streets, Small Municipal Bridge, Municipal Pavement, Local Bottleneck Reduction, Shared Streets and Spaces and Transit Infrastructure Partnership

⁶ Reflects Commonwealth's commitment (bond cap and REP funds) for SCR, GLX and other MBTA expansion projects

MassDOT & MBTA¹ Spending: 2023-2027 (\$ millions)



Spending Highlights

Bond Cap 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 Municipal Programs and state funded capital projects for Highway and Planning & Enterprise Services

Federal:

- FHWA reimbursements for projects underway and/or scheduled to advertise in 2023-2027
- Other federal funds includes FTA funds for MAP, BUILD grant for Rail (NECR project), freight (FHWA) funds for East Deerfield Intermodal Facility and FAA grants for public use airports

REP:

- Funding for GLX, SCR, RL/OL investments and previously programmed MBTA projects plus state match for new BIL FTA funds

GANs: reflects spending anticipated for eligible projects; all projects are in the 2023-2027 STIP

Operating:

- Spending for projects underway or scheduled to start (includes Summer Tunnel, lighting projects, Newton/Weston I-90/I-95)
- Pay-go capital aligns with FY23 operating budget assumptions

CARM: spending on projects approved by FHWA

Other:

- Transportation improvements in Seaport District funded with HED cap, VW settlement funds, local matching funds (Rail and Aeronautics) and surplus operating funds for BIL support and Other Commonwealth funds for MBTA

¹ MBTA **state** spending includes \$102.4 M for SCR, \$1.259 M in REP funds, \$14.4 M in HED cap and \$50 million in Other Commonwealth funds



MassDOT spending comparison¹ (changes highlighted in red)

Projected Uses (in millions)	April	May
	2023-2027	2023-2027
Federal Highway (FHWA) reimbursements	5,342.2	5,499.4
Federal Transit (FTA) reimbursements ²	32.4	33.7
Federal Aviation (FAA) reimbursements and grant draws	227.9	251.7
Federal Rail (FRA) reimbursements and grant draws	8.8	8.8
Subtotal federal spending¹	5,611.2	5,793.6
Bond cap	5,262.2	5,344.5
FHWA Next Generation Bridges - GANs	570.6	595.0
Accelerated Bridge bonds	9.6	8.8
Rail enhancement bonds	1,115.4	1,280.1
CARM ^{***}	143.7	139.6
Metropolitan Highway system (MHS) pay-go	737.8	770.3
Tobin Bridge (Tobin) pay-go	133.9	137.9
Western Turnpike (WT) pay-go	421.0	420.1
Municipal, reimbursable and local funds	17.3	19.5
Other State Funds ⁴	7.8	225.4
Subtotal of non-federal spending¹	\$8,420.2	\$8,941.2
Total spending¹	\$14,031.4	\$14,734.8

¹ Totals may not add due to rounding; does not include additional funding and spending under consideration by ANF but does include BIL funding
² Only includes FTA grants provided to MassDOT Transit and not the FTA grants provided to the RTAs directly
³ Projects programmed with CARM funds must be approved in advance by FHWA
⁴ Includes VW settlement funds, HED funds, Operating Surplus funds

MassDOT Pay-go Capital Funding Comparison (a/o May 2022)

Facility / Actuals & Projections		2022 ¹	2023 ²	2023-2027
Metropolitan Highway System	Revenues	338.6	355.3	1,849.6
	Expenses	123.6	125.5	666.2
	Debt Service	144.9	145.1	710.0
	Available for Capital	\$70.1	\$84.7	\$473.4
	Reserves	\$80.0	\$200.0	\$200.0
Western Turnpike	Revenues	190.6	\$189.3	\$963.9
	Expenses	86.6	\$91.3	\$484.7
	Available for Capital	\$104.0	\$98.0	\$479.2
	Reserves	\$120.0	\$130.0	\$130.0
Tobin Bridge	Revenues	42.3	43.6	229.3
	Expenses	11.3	12.0	63.9
	Available for Capital	\$31.0	\$31.6	\$165.5
	Reserves	\$70.0	\$90.0	\$90.0
Total Available for Pay-Go Capital	Total Available for Capital	\$205.1	\$214.3	\$1,118.1
	Total Reserves	\$270.0	\$420.0	\$420.0

¹ Projected revenues and expenses for FY 22; ² Updated to align with preliminary FY23 MassDOT operating budget assumptions a/o 5/4/22.

Review of 2023-2027 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
 - Changes in cost (>10%) to total costs as compared to 2022-2022 (see Appendix)
- 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

Plan update: project status

Project status – Existing Projects with additional funding

Existing Projects – additional funding	Division / CIP Program	Cost Increase (millions)	Status
Reliability			
AE18000297 - Barnstable Municipal Airport - Acquire Easements for Future Runway Extension	Aeronautics / Airport Capital Improvement	\$9.8	Construction
AE18000142 - Beverly Regional Airport - RECONSTRUCT RUNWAY 16-34	Aeronautics / Airport Pavement	\$9.2	Construction
606496 – BOSTON - BRIDGE REHABILITATION BOWKER OVERPASS OVER MASSPIKE, MBTA/CSX IPSWICH STREET	Highway / Bridge	\$30.4	Design
606527 – NEW BEDFORD SUPERSTRUCTURE REPLACEMENT I-195 EB &WB OVER ROUTE 18, COUNTY STREET, MASS COASTAL RR, PURCHASE STREET, WELD STREET	Highway / Bridge	\$32.0	Design
609402 – FRAMINGHAM-NATICK – RESURFACING AND RELATED WORK ON ROUTE 9	Highway / Non-Interstate Pavement	\$34.3	Design
608819 - BARNSTABLE- RESURFACING AND RELATED WORK ON ROUTE 6	Highway / Non-interstate Pavement	\$29.5	Design
609343 - BOSTON- TUNNEL LIGHTING REPLACEMENT ON I-90 WB (CRC 17H)	Highway / Tunnels	\$89.6	Design
CR22020000- CONN RIVER - BRIDGE REPAIRS AND REPLACEMENTS`	Rail / Bridge Reliability	\$13.6	Construction
RTD001148/54/56 - MASSDOT - STATEWIDE - BUS AND BUS FACILITIES	Transit / RTA Vehicle Replacement	\$8.0	N/A

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			
AE17000012 - Lawrence Municipal Airport / LWM SAAB Construction Services	Aeronautics / Airport Administration Building	\$3.7	Construction
AE17000010 - Taunton Municipal Airport / TAN SAAB Construction Services	Highway/Roadway Reconstruction	\$2.0	Construction
607797 – HOPKINGTON-WESTBOROUGH – RECONSTRUCITON OF I-90/I-495 INTERCHANGE	Highway/Roadway Reconstruction	\$18.5	Procurement
608049 – FALL RIVER – CORRIDOR IMPROVEMNTS ON ROUTE 79/DAVOL STREET	Highway/Roadway Reconstruction	\$12.6	Design
606226 – BOSTON – RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	Highway/Roadway Reconstruction	\$6.7	Design
608807 – BOSTON – ROADWAY RECONSTRUCTION CYPHER STREET, E STREET AND FARGO STREET	Highway/Roadway Reconstruction	\$5.4	Design
608348 – BEVERLY – RECONSTRUCTION OF BRIDGE STREET	Highway/Roadway Reconstruction	\$4.5	Design

Plan update: project status

Project status – Existing Projects with additional funding

Existing Projects – additional funding	Division / CIP Program	Cost Increase (millions)	Status / Comment
Expansion			
609520 – BROCKTON-ABINGTON – PEDESTRIAN AND BICYCLE IMPROVEMENTS ON ROUTE 123	Highway / Bicycle and Pedestrian	\$18.9	Design
608422 – SANDWICH – CONSTRUCTION OF SHARED USE PATH ALONG SERVICE ROAD FROM ROUTE 130 TO CHASE ROAD	Highway / Bicycle and Pedestrian	\$6.0	Design

Plan update: project status

Project status – New projects

New Projects	Division / CIP Program	Cost (millions)	Status / Comment
Reliability			
AE21000046 - STATEWIDE – DRONE DATA AND INFORMATION SYSTEMS	Aeronautics / Airport Capital Improvement	\$8.75	Construction
AE21000192 – MARTHA’S VINEYARD AIRPORT- RECONSTRUCT RUNWAY 15-33/REMOVE SHOULDERS	Aeronautics / Airport Pavement	\$11.0	Construction
605850 - ARLINGTON- RECONSTRUCTION AND EXPANSION OF DISTRICT FOUR ADMINISTRATION BUILDING	Highway / Facilities	\$33.6	Design
607417 - TAUNTON- RECONSTRUCTION AND EXPANSION OF DISTRICT FIVE ADMINISTRATION BUILDING	Highway / Facilities	\$41.6	Design
606449 - CAMBRIDGE- BRIDGE REPLACEMENT, C-01-008, FIRST STREET BRIDGE & C-01-040, LAND BOULEVARD/BROAD CANAL BRIDGE	Highway / Bridge	\$16.2	Design
608952 - CHELSEA- BRIDGE SUPERSTRUCTURE REPLACEMENT C-09-013, WASHINGTON AVENUE, CARTER STREET & COUNTY ROAD/ROUTE 1	Highway / Bridge	\$11.6	Design
609430 - GREAT BARRINGTON- BRIDGE REPLACEMENT, G-11-014, STATE ROAD (ROUTES 7/23) OVER THE HOUSATONIC RIVER	Highway / Bridge	\$12.3	Design
612519 – BOSTON – BRIDGE REPLACEMENT BLUE HILL AVENUE OVER RAILROAD	Highway / Bridge	\$39.0	Design

Plan update: project status

Project status – New projects

New Projects	Division / CIP Program	Cost (millions)	Status / Comment
Reliability			
612183 - GREAT BARRINGTON- BRIDGE REPLACEMENT, G-11-002, DIVISION STREET OVER HOUSATONIC RIVER	Highway / Bridge	\$13.2	Design
612184 - REVERE- BRIDGE REPLACEMENT, R-05-015, REVERE BEACH PARKWAY OVER BROADWAY	Highway / Bridge	\$17.1	Design
612494 - SPRINGFIELD- WEST SPRINGFIELD- BRIDGE REPLACEMENT, S-24-003=W-21-002, (US-20) PARK AVENUE OVER CONNECTICUT RIVER	Highway / Facilities	\$113.5	Design
612517- CHARLEMONT- BRIDGE REPLACEMENT, C-05-010, ROUTE 8A OVER DEERFIELD RIVER	Highway / Facilities	\$11.4	Design
612574 - 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	\$35.4	Design
612159 - BERNARDSTON- BRIDGE REPLACEMENT, B-10-001, ROUTE 10 OVER FALL RIVER	Highway / Bridge	\$15.9	Design
605276 – BEVERLY-SALEM – DRAWBRIDGE REPLACEMENT / REHABILITATION KERWOOD AVENUE OVER DANVERS RIVER	Highway / Bridge	\$100.7	Design
605313 – NATICK – BRIDGE REPLACEMENT ROUTE 27 (NORTH MAIN STREET) OVER ROUTE 9 AND INTERCHANGE IMPROVEMENTS	Highway / Bridge	\$53.4	Design

Plan update: project status

Project status – New projects

New Projects	Division / CIP Program	Cost (millions)	Status / Comment
Reliability			
606728 – BOSTON- BRIDGE REPLACEMENT STORROW DRIVER OVER BOWKER RAMPS	Highway / Bridge	\$118.7	Design
606783 – NEWTON-WESTON - BRIDGE BUNDLE, REHABILITATION AT I-90/I-95 INTERCHANGE	Highway / Bridge	\$277.7	Design
607349 – NORWELL-PEMBROKE – BRIDGE REPLACEMENT ROUTE 3 (NB & SB) OVER NORTH RIVER	Highway / Facilities	\$26.7	Design
607670 – BOSTON – SUPERSTRUCTURE REPLACEMENT MAFFA WAY & MYSTIC AVENUE OVER ORANGE & MBTA/BMRR	Highway / Bridge	\$62.3	Design
607887 – LOWELL – ROURKE BRIDGE REPLACEMENT	Highway / Bridge	\$185.9	Design
608514 – BEVERLY REPLACEMENT BRIDGE STREET OVER BASS RIVER (HALL-WHITAKER DRAWBRIDGE)	Highway / Bridge	\$43.6	Design
608634 – DEERFIELD PRESERVATION UPPER ROAD OVER DEERFIELD RIVER	Highway / Bridge	\$24.3	Design
612497 – RUSSELL – BRIDGE REPLACEMENT BRIDGE STREET OVER WESTFIELD RIVER	Highway / Bridge	\$29.6	Design

Plan update: project status

Project status – New projects

New Projects	Division / CIP Program	Cost (millions)	Status / Comment
Reliability			
611987 – CAMBRIDGE – BRIDGE REPLACEMENT MEMORIAL DRIVER OVER BROOKLINE STREET	Highway / Bridge	\$57.4	Design
612006 – DUXBURY – BRIDGE REPLACEMENT POWDER POINT AVENUE OVER DUXBURY BAY	Highway / Bridge	\$85.9	Design
612143 – ANDOVER – BRIDGE REPLACEMENT TEWKSBURY STREET OVER MBTA/BMRR	Highway / Bridge	\$14.7	Design
612167 – SPRINGFIELD – BRIDGE REPLACEMENT ST. JAMES AVENUE OVER CSX & OVER I-291	Highway / Bridge	\$72.2	Design
612184 – REVERE – BRIDGE REPLACEMENT REVERE BEACH PARKWAY OVER BROADWAY	Highway / Bridge	\$67.1	Design
612187 – CHICOPEE BRIDGE PRESERVATION I-391 OVER STATE ROUTE 116 (CHICOPEE STREET)	Highway / Bridge	\$32.2	Design
612188 – RANDOLPH – DECK REPLACEMENT & STEEL CLEANING & PAINTING ROUTE 24 (NB & SB) OVER CANTON STREET	Highway / Bridge	\$16.7	Design
612193 ANDOVER – BRIDGE PRESERVATION I-93 OVER MERRIMACK RIVER	Highway / Bridge	\$32.2	Design
612195 – WORCESTER – SUPERSTRUCTURE REPLACEMENT I-290 OVER EAST CENTRAL STREET	Highway / Bridge	\$24.2	Design
Total		\$	

Plan update: project status – MassDOT projects

Project status – New projects

New Projects	Division / CIP Program	Cost (millions)	Status / Comment
Reliability			
612624 – BOSTON – DECK REPLACEMENT CAMBRIDGE STREET OVER I-90, INLCUDES PRESERVATION OF LINCOL STREET PED OVERPASS OVER I-90	Highway / Bridge	\$31.3	Design
612631 – CHELMSFORD BRIDGE REPLACEMENT GORHAM STREET (ROUTE 3A) OVER I-495 AND REHABILITATION OF C-08-036 WESTFORD STREET OVER I-495	Highway / Bridge	\$26.5	Design
609099 – MILFORD-HOPKINTON-WESTBOROUGH-SOUTHBOROUGH – RESURFACING AND RELATED WORK ON I-495N	Highway / Interstate Pavement	\$15.2	Design
612045 - ANDOVER- TEWKSBURY- INTERSTATE MAINTENANCE AND RELATED WORKS ON I-93	Highway / Interstate Pavement	\$18.6	Design
612048 -WALTHAM- INTERSTATE MAINTENANCE AND RELATED WORK ON I-95	Highway / Interstate Pavement	\$15.0	Design
612056 - ATTLEBORO- NORTH ATTLEBOROUGH- MANSFIELD- FOXBOROUGH- RESURFACING AND RELATED WORK ON I-95	Highway / Interstate Pavement	\$32.2	Design
609402 - FRAMINGHAM- NATICK- RESURFACING AND RELATED WORK ON ROUTE 9	Highway / Non-Interstate pavement	\$34.3	Design
609119 - BOSTON- MILTON- QUINCY- SOUTHEAST EXPRESSWAY/INTERSTATE 93 REPLACEMENT OF BARRIERS FOR HIGH OCCUPANCY VEHICLE LANE (HOV)	Highway / Roadway Improvements	\$30.2	Design
612469 - BOSTON- LEAK SEALING, FIREPROOFING AND MISCELLANEOUS REPAIRS	Highway / Tunnels	\$26.3	Design

Plan update: project status

Project status – New projects

New Projects	Division / CIP Program	Cost (millions)	Status / Comment
Expansion			
608787- WILLIAMSBURG- CONSTRUCTION OF THE "MILL RIVER GREENWAY" SHARED USE PATH	Highway / Bicycle and Pedestrian	\$46.2	Design
611982 - MEDFORD- SHARED USE PATH CONNECTION AT THE ROUTE 28/WELLINGTON UNDERPASS	Highway / Bicycle and Pedestrian	\$4.7	Design
607823 – SOUTHAMPTON-GREENWAY TRAIL CONSTRUCTION FROM COLEMAN ROAD TO ROUTE 10	Highway / Bicycle and Pedestrian	\$8.8	Design