



U.S. Department
of Transportation

Federal Highway Administration
MA Division
55 Broadway, 10th Floor
Cambridge, MA 02142-1093
617-494-3675
617-494-3355 (fax)

Federal Transit Administration
Region I
55 Broadway, Suite 920
Cambridge, MA 02142-1093
617-494-2055
617-494-2865 (fax)

Stephanie Pollack
Secretary and Chief Executive Officer
Massachusetts Department of Transportation
10 Park Plaza
Boston, MA 02116

October 15, 2019

Subject: Federal Fiscal Year (FFY) 2020-2024 Statewide Transportation Improvement Program

Dear Secretary Pollack:

The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) have completed a joint review of the FFY 2020-2024 Massachusetts Statewide Transportation Improvement Program (STIP). Based on this review, FHWA and FTA find that the FFY 2020-2024 STIP and the 2020-2024 Transportation Improvement Programs (TIPs) adopted by the Metropolitan Planning Organizations (MPOs) are based on a transportation planning process that substantially meets the requirements of 23 U.S.C. §§ 134 and 135, 49 U.S.C. §§ 5303 and 5304, and 23 CFR § 450 subparts A, B, and C, pending resolution of the following two corrective action:

- **MassDOT and each MPO should make sure all self-certification statements are up-to-date and all citations reflect current laws and regulations.** Self-certifications by the State and the MPOs are important components of the STIP and TIP development process and are necessary to support the federal planning finding and the STIP approval, as required in 23 CFR § 450.220 and 23 CFR § 450.336. These statements certify that the statewide and metropolitan planning processes are being carried out in accordance with applicable requirements. The State and the MPOs have completed these self-certifications, and FHWA and FTA have reviewed them to support this planning finding. However, not all citations reflect current laws and regulations.
- **MassDOT should develop a methodology to include the operations and maintenance costs of the public transportation system in its analysis in the STIP.** Per 23 CFR § 450.218(m), the STIP should include financial information containing system-level estimates of costs and revenue sources that are reasonably expected to be available to adequately operate and maintain both Federal-aid highways and public transportation for all years of the STIP.

FHWA and FTA have determined the STIP is fiscally constrained. Additionally, FHWA and FTA issued a joint conformity finding on October 10, 2019, stating that the FFY 2020-2024 TIPs and Metropolitan Transportation Plans are in conformity with the State Implementation Plan, are

consistent with the Clean Air Act, and are consistent with the Environmental Protection Agency's conformity regulations as stated in 40 CFR Parts 51 and 93.

FHWA and FTA have jointly determined that the FFY 2020-2024 STIP substantially meets requirements and is hereby approved, subject to the Corrective Actions to be resolved within the timeframe specified in the Attachment. In support of our determination, attached is a planning finding that contains additional details on the corrective action as well as recommendations and observations to help strengthen the transportation planning and program development process.

Approval of the STIP does not constitute project or grant approval. Both FHWA and FTA may need additional information on some of the projects in the approved STIP when a project agreement or grant submission approval is requested.

We look forward to the continued cooperation of you and your staff in efforts to carry out the statewide and metropolitan planning processes in an effective manner.

Sincerely,

Jeffrey H. McEwen, P.E.
Division Administrator
Federal Highway Administration

Peter Butler
Regional Administrator
Federal Transit Administration

cc: Jonathan L. Gulliver, Highway Division Administrator, MassDOT
David Mohler, OTP Executive Director, MassDOT
Massachusetts Regional Planning Agencies
Ariel Garcia, Environmental Protection Specialist, EPA Region 1
Sharon Weber, Massachusetts DEP



U.S. Department
of Transportation

Federal Highway Administration
MA Division
55 Broadway, 10th Floor
Cambridge, MA 02142-1093
617-494-3675
617-494-3355 (fax)

Federal Transit Administration
Region I
55 Broadway, Suite 920
Cambridge, MA 02142-1093
617-494-2055
617-494-2865 (fax)

Stephanie Pollack
Secretary and Chief Executive Officer
Massachusetts Department of Transportation
10 Park Plaza
Boston, MA 02116

October 15, 2019

***Subject: Massachusetts Air Quality Conformity Determination
2020-2040 Metropolitan Transportation Plans (MTPs)
2020-2024 Transportation Improvement Programs (TIPs)***

Dear Secretary Pollack:

The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) have completed our air quality conformity reviews for the Federal Fiscal Years (FFY) 2020-2040 Metropolitan Transportation Plans (MTPs) and FFY 2020-2024 Transportation Improvement Programs (TIPs) for each of the Metropolitan Planning Organizations (MPOs) in Massachusetts. A FHWA/FTA air quality conformity determination is required pursuant to the U.S. Environmental Protection Agency's (EPA) Transportation Conformity Rule (40 CFR Parts 51 and 93) and the U.S. Department of Transportation's Metropolitan Planning Rule (23 CFR Part 450).

Under the 1997 8-Hour Ozone National Ambient Air Quality Standard (NAAQS)¹ all of Massachusetts was designated as being in moderate nonattainment but was separated into two nonattainment areas: Eastern Massachusetts Ozone Nonattainment Area and the Western

¹ On February 16, 2018, the United States Court of Appeals for the District of Columbia Circuit in *South Coast Air Quality Mgmt. District v. EPA* ("South Coast II," 882 F.3d 1138) held that transportation conformity determinations must be made after February 16, 2019 in areas that were either nonattainment or maintenance for the 1997 ozone NAAQS and attainment for the 2008 ozone NAAQS when the 1997 ozone NAAQS was revoked. On November 29, 2018, EPA issued *Transportation Conformity Guidance for the South Coast II Court Decision* (EPA-420-B-18-050, November 2018) that addresses how transportation conformity determinations can be made in effected areas. According to the guidance, both Eastern and Western Massachusetts are now defined as "orphan nonattainment areas" – areas that were designated as nonattainment for the 1997 ozone NAAQS at the time of its revocation (80 FR 12264, March 6, 2015) and were designated attainment for the 2008 ozone NAAQS in EPA's original designations rule for this NAAQS (77 FR 30160, May 21, 2012). After February 16, 2019, as a result of the court ruling and the subsequent federal guidance, transportation conformity for the 1997 NAAQS – intended as an "anti-backsliding" measure – applies to both of Massachusetts' orphan areas. In Massachusetts, these areas had not been required to make transportation conformity determinations for any ozone NAAQS since the 1997 ozone NAAQS were revoked by EPA in April 2016. In response to the Court decision, transportation conformity determinations were completed in 2018. Therefore, the Massachusetts Department of Transportation (MassDOT) together with the MPO's made a conformity determination for the 1997 ozone NAAQS on the FFY 2020-2024 Transportation Improvement Programs and 2020-2040 Regional Transportation Plans.

Massachusetts Ozone Nonattainment Area. As of July 20, 2012, all of Massachusetts, except for Dukes County, is unclassifiable/attainment for the 2008 8-Hour Ozone NAAQS, and as of April 6, 2015, the 1997 ozone standard is revoked for transportation conformity purposes. Dukes County is an isolated rural non-attainment area under the 2008 ozone standard.² In 2002, EPA approved the re-designation of the City of Springfield, City of Lowell, City of Waltham, and City of Worcester as attainment areas under the carbon monoxide NAAQS, and those areas are currently under a limited maintenance plan.

The transportation conformity regulation at 40 CFR § 93.109 sets forth the criteria and procedures for determining conformity. The conformity criteria for MTPs and TIPs include: latest planning assumptions, latest emissions model, consultation, transportation control measures, and emissions budget and/or interim emissions. For the 1997 ozone NAAQS areas, transportation conformity for MTPs and TIPs can be demonstrated without a regional emissions analysis, per 40 CFR § 93.109(c).³ Because of the approved limited maintenance plan for the Cities of Lowell, Waltham, Springfield, and Worcester, a regional emissions analysis for carbon monoxide is not required pursuant to 40 CFR § 93.109(e).⁴ As no regional emission analysis is required for conformity determinations, there is no requirement to use the latest emissions model, or budget or interim emissions tests.

Under the Massachusetts SIP and the Massachusetts conformity regulations, the MassDEP is required to issue a finding of concurrence or non-concurrence with the conformity determinations made by the MPOs. The MassDEP issued its finding of concurrence on September 30, 2019. Additionally, Region 1 of the EPA reviewed the TIPs, MTPs and the air quality analyses and via e-mail on September 30, 2019 stated that they support a positive transportation conformity finding.

Based on FHWA and FTA's joint evaluation of the TIPs and MTPs and the input received from MassDEP and EPA, FHWA and FTA have determined that the TIPs and MTPs are in conformity with the goals of the SIP, are consistent with the Clean Air Act, and are consistent with the EPA conformity regulations as stated in 40 CFR Parts 51 and 93. The conformity determination of the MTPs and TIPs will remain in effect until such time as a new determination is required by 40 CFR § 93.104.

² Martha's Vineyard (Dukes County) is the only Massachusetts region which remained an ozone non-attainment area under the 2008 NAAQS, and it is also classified as an "isolated rural area" related to the Standards. As such, for transportation improvement programs composed entirely of exempt projects (40 CFR § 93.126), an air quality conformity analysis and determination is also not required. Martha's Vineyard / Dukes County has historically programmed – and continues to program – in its TIP only "Exempt" transportation projects as defined in 40 CFR § 93.126, so both the current FFY 2020-24 Transportation Improvement Program and the 2020- 2040 Regional Transportation Plan do not require an air quality conformity analysis or determination for the 2008 NAAQS.

³ This provision states that the regional emission analysis requirement applies one year after the effective date of EPA's nonattainment designation for a NAAQS and until the effective date of revocation of such NAAQS for an area. The 1997 ozone NAAQS revocation was effective on April 6, 2015, and the South Coast II court upheld the revocation.

⁴ The Lowell, Waltham, Worcester, and Springfield Carbon Monoxide (CO) attainment areas have a SIP-approved limited maintenance plan. Areas with approved limited maintenance plans are "not required to satisfy [a] regional emissions [budget] analysis" since "it would be unreasonable to expect that such an area would experience enough motor vehicle emissions growth for a NAAQS violation to occur" (40 CFR 93.109(e)), but all other applicable conformity requirements in limited maintenance plan areas under 40 CFR 93.109(b) continue to apply.

If you have any questions or comments, please contact Brandon Wilcox (FHWA) at (617) 494-3610 or Leah Sirmin (FTA) at (617) 494-2459.

Sincerely,

Jeffrey H. McEwen, P.E.
Division Administrator
Federal Highway Administration

Peter Butler
Regional Administrator
Federal Transit Administration

cc: Jonathan L. Gulliver, Highway Division Administrator, MassDOT
David Mohler, OTP Executive Director, MassDOT
Massachusetts Regional Planning Agencies
Ariel Garcia, EPA Region 1
Eric Rackauskas, EPA Region 1
Sharon Weber, Massachusetts DEP



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

One Winter Street Boston, MA 02108 • 617-292-5500

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Kathleen A. Theoharides
Secretary

Martin Suuberg
Commissioner

September 30, 2019

David Mohler, Executive Director
Office of Transportation Planning
Massachusetts Department of Transportation
Ten Park Plaza, Suite 3170
Boston, MA 02116-3969

RE: Conformity review of the FFY 2020-2024 State Transportation Improvement Program and Regional Transportation Improvement Programs and FFY 2020-2040 Long Range Regional Transportation Plans

Dear Mr. Mohler:

The Massachusetts Department of Environmental Protection (MassDEP) has reviewed the Massachusetts Department of Transportation's (MassDOT) proposed State Transportation Improvement Program (STIP) received on August 5, 2019, which reflects the State's project and programming needs for federal fiscal years (FFY) 2020-2024. The thirteen Metropolitan Planning Organizations' (MPOs) regional FFY 2020-2024 Transportation Improvement Programs (TIPs) and associated FFY 2020-2040 Regional Transportation Plans (RTPs) were submitted on July 31 and August 30, 2019. This letter is MassDEP's finding of concurrence with MassDOT's Certification that the air quality conformity determinations included in the STIP, TIPs, and RTPs satisfy the applicable criteria and procedures in 310 CMR 60.03 and 40 CFR Part 93, and are consistent with the air quality goals of the Massachusetts State Implementation Plan (SIP).

Conformity determinations are required to ensure that STIPs, TIPs and RTPs conform to the State SIP requirements and will not cause or contribute to violations of the National Ambient Air Quality Standards (NAAQS). Section 176 of the Clean Air Act (CAA) requires MPOs and States within non-attainment areas and/or attainment areas with maintenance plans to perform air quality conformity determinations prior to the approval of transportation plans and TIPs. In accordance with 310 CMR 60.03(6)(g), after MassDEP receives MassDOT's conformity determinations on the STIP, TIPs and RTPs, MassDEP is required to review the conformity determination and issue a finding in writing of concurrence or non-concurrence with MassDOT's determination. Based on that review, MassDEP observes the following:

Ozone Standard

MassDOT found that the FFY 2020-2024 STIP and TIPs and the FFY 2020-2040 RTPs demonstrated transportation conformity with the SIP, the Clean Air Act, and the EPA conformity regulations (40 CFR Parts 51 and 93) for the 1997 ozone NAAQS by showing that the applicable requirements in Table 1 in 40 CFR 93.109 have been met, including use of the latest planning assumptions (93.110), consultation (93.112), timely implementation of transportation control measures (93.113) and being fiscally constrained (93.108).

Regional Attainment Areas and Limited Maintenance Plan for Carbon Monoxide Standard

The Lowell, Waltham, Worcester, and Springfield Carbon Monoxide (CO) attainment areas have a SIP-approved limited maintenance plan. Areas with approved limited maintenance plans are “not required to satisfy [a] regional emissions [budget] analysis” since “it would be unreasonable to expect that such an area would experience enough motor vehicle emissions growth for a NAAQS violation to occur” (40 CFR 93.109(e)), but all other applicable conformity requirements in limited maintenance plan areas under 40 CFR 93.109(b) continue to apply. The latest conformity determinations for Lowell, Waltham, Worcester, and Springfield can be found in the respective MPO’s 2020-2024 TIPs.

After reviewing MassDOT’s determination that the transportation plan conforms to the SIP and will not cause mobile source emissions to violate the NAAQS, MassDEP concurs with MassDOT’s Certification of the air quality conformity determinations included in the FFY 2020-2024 STIP and TIPs and FFY 2020-2040 RTPs. If you have any questions regarding MassDEP’s review, please call Sharon Weber of the Bureau of Air and Waste, Division of Air and Climate Programs at (617) 556-1190.

Sincerely,



Martin Suuberg
Commissioner

Cc: Lynne Hamjian and Ariel Garcia, U.S. EPA Region 1
David Chandler, Federal Highway Administration (FHWA)
Leah Sirmin, FTA – Region 1, Cambridge, MA
Steve Woelfel, MassDOT



2020-2024

State Transportation Improvement Program

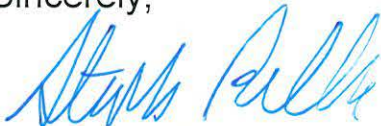
August 2, 2019

I am pleased to present the Massachusetts Department of Transportation's State Transportation Improvement Program (STIP) for Federal Fiscal Years (FFYs) 2020-2024. This five-year program will help to realize the Baker/Polito Administration's vision of a transportation system that supports a strong economy, protects our natural environment, and enhances the quality of life and health of our residents and visitors to Massachusetts.

This document was developed in partnership with our Metropolitan Planning Organizations (MPOs), which includes input from individuals, public agencies, and our state and federal partners. To accomplish our transportation goals, the STIP invests nearly \$8.4 billion for roadways, bridges, bicycle and pedestrian facilities, and public transportation over the next five federal fiscal years - an increase of nearly \$300 million from the previous STIP.

MassDOT continually strives to improve the quality and transparency of the information we provide, and we appreciate your input on this document.

Sincerely,



Stephanie Pollack
Secretary & CEO



Acknowledgments

This 3C certification document is the culmination of a year-long effort by the Commonwealth's Metropolitan Planning Organizations, regional planning agencies, regional transit authorities, the Massachusetts Bay Transportation Authority (MBTA), the MassDOT Highway and Rail and Transit Divisions, MassDOT Federal Aid Programming and Reimbursement Office and the Office of Transportation Planning.

This report was funded in part through grants from the Federal Highway Administration, Federal Transit Administration, and the U.S. Department of Transportation. The views and opinions of the Massachusetts Department of Transportation expressed herein do not necessarily state or reflect those of the U. S. Department of Transportation.

Table of Contents

Notice of Nondiscrimination Rights and Protections to	
Beneficiaries	4
Certifications	10
STIP development	15
Funding the STIP	20
Highway funding overview	25
Transit funding overview	40
Programming the STIP	45
Federal Emphasis Areas	48
Performance-Based Planning	48
Public participation in STIP development	71
Operating and maintaining the transportation system	77
Fiscal constraint.....	81
Status of FFY 2019 investments	99
Air quality.....	104
Greenhouse gas tracking	105
Public comment	111
2020-2024 investment tables.....	114
APPENDIX A: Air Quality Conformity Determination	251
APPENDIX B: Operations and Maintenance.....	259

Notice of Nondiscrimination Rights and Protections to Beneficiaries

Federal “Title VI/Nondiscrimination” Protections

The Massachusetts Department of Transportation (MassDOT) operates its programs, services, and activities in compliance with federal nondiscrimination laws including Title VI of the Civil Rights Act of 1964 (Title VI), the Civil Rights Restoration Act of 1987, and related statutes and regulations. Title VI prohibits discrimination in federally assisted programs and requires that no person in the United States of America shall, on the grounds of **race, color, or national origin** (including **limited English proficiency**), be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity receiving federal assistance. Related federal nondiscrimination laws administered by the Federal Highway Administration, the Federal Transit Administration, or both prohibit discrimination on the basis of **age, sex, and disability**. These protected categories are contemplated within MassDOT’s Title VI Programs consistent with federal interpretation and administration. Additionally, MassDOT provides meaningful access to its programs, services, and activities to individuals with limited English proficiency, in compliance with US Department of Transportation policy and guidance on federal Executive Order 13166.

State Nondiscrimination Protections

MassDOT also complies with the Massachusetts Public Accommodation Law, M.G.L. c 272 §§ 92a, 98, 98a, prohibiting making any distinction, discrimination, or restriction in admission to or treatment in a place of public accommodation based on **race, color, religious creed, national origin, sex, sexual orientation, disability, or ancestry**. Likewise, MassDOT complies with the Governor's Executive Order 526, section 4 requiring all programs, activities, and services provided, performed, licensed, chartered, funded, regulated, or contracted for by the state shall be conducted without unlawful discrimination based on **race, color, age, gender, ethnicity, sexual orientation, gender identity or expression, religion, creed, ancestry, national origin, disability, veteran's status** (including Vietnam-era veterans), or **background**.

Additional Information

To request additional information regarding Title VI and related federal and state nondiscrimination obligations, please contact:

MassDOT, Title VI Specialist, Office of Diversity and Civil Rights
10 Park Plaza
Boston, MA 02116
857-368-8580
TTY: 857-368-0603
MASSDOT.CivilRights@state.ma.us

Complaint Filing

To file a complaint alleging a violation of Title VI or related federal nondiscrimination law, contact the Title VI Specialist (above) within 180 days of the alleged discriminatory conduct.

To file a complaint alleging a violation of the state's Public Accommodation Law, contact the Massachusetts Commission Against Discrimination within 300 days of the alleged discriminatory conduct at:

Massachusetts Commission Against Discrimination (MCAD)
One Ashburton Place, 6th Floor
Boston, MA 02109
617-994-6000
TTY: 617-994-6196

Translation

English: If this information is needed in another language, please contact the MassDOT Title VI Specialist at 857-368-8580.

Portuguese: Caso esta informação seja necessária em outro idioma, favor contar o Especialista em Título VI do MassDOT pelo telefone 857-368-8580.

Spanish: Si necesita esta información en otro idioma, por favor contacte al especialista de MassDOT del Título VI al 857-368-8580.

Chinese Simplified: (mainland & Singapore): 如果需要使用其它语言了解信息，请联系马萨诸塞州交通部（MassDOT）《民权法案》第六章专员，电话857-368-8580。

Chinese Traditional: (Hong Kong & Taiwan): 如果需要使用其它語言了解信息，請聯繫馬薩諸塞州交通部（MassDOT）《民權法案》第六章專員，電話857-368-8580。

Russian: Если Вам необходима данная информация на любом другом языке, пожалуйста, свяжитесь со специалистом по Титулу VI Департамента Транспорта штата Массачусетс (MassDOT) по тел: 857-368-8580.

Haitian Creole: Si yon moun vle genyen enfòmasyon sa yo nan yon lòt lang, tanpri kontakte Espesyalis MassDOT Title VI la nan nimewo 857-368-8580.

Vietnamese: Nếu quý vị cần thông tin này bằng tiếng khác, vui lòng liên hệ Chuyên viên Luật VI của MassDOT theo số điện thoại 857-368-8580.

French: Si vous avez besoin d'obtenir une copie de la présente dans une autre langue, veuillez contacter le spécialiste du Titre VI de MassDOT en composant le 857-368-8580.

Italian: Se ha bisogno di ricevere queste informazioni in un'altra lingua si prega di contattare lo Specialista MassDOT del Titolo VI al numero 857-368-8580.

Khmer: ប្រសិនបើលោក-អ្នកត្រូវការរបកប្រែព័ត៌មាននេះ សូមទាក់ទងអ្នកឯកទេសលើជំពូកទី6 របស់MassDot តាមរយៈ ខន្ធរស័ព្ទ 857-368-8580

على السادسة الفقرة بأخصائي الاتصال يُرجى أخرى، بلغة المعلومات هذه إلى ب حاجة كنت إن
الهاتف Arabic: 857-368-8580

ADA / 504 Notice of Nondiscrimination

The Massachusetts Department of Transportation (MassDOT) does not discriminate on the basis of disability in admission to its programs, services, or activities; in access to them; in treatment of individuals with disabilities; or in any aspect of their operations. MassDOT also does not discriminate on the basis of disability in its hiring or employment practices.

This notice is provided as required by Title II of the Americans with Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1973. Questions, complaints, or requests for additional information regarding ADA and Section 504 may be forwarded to:

Office of Diversity and Civil Rights
Massachusetts Department of Transportation
10 Park Plaza – 3rd floor
Boston, MA 02116-3969

Phone: 857-368-8580
TTY: 857-368-0603
Fax: 857-368-0602
Email: MASSDOT.CivilRights@state.ma.us

Office hours: 9:00 am to 5:00 pm

This notice is available from the Office of Diversity and Civil Rights in large print, on audio tape, and in Braille upon request.

Certifications

Self-Certification for the Commonwealth of Massachusetts

Compliance with Applicable Federal Regulation

In accordance with 23 CFR 450.218 (a) (or 334), the Massachusetts Department of Transportation hereby certifies that its statewide transportation planning process is addressing major issues facing the Commonwealth, and its non-urbanized areas, and is being carried out in accordance with all applicable requirements including:

- 23 USC 134 and 135, 49 USC Sections 5303 and 5304, and this subpart;
- Title VI of the Civil Rights Act of 1964, as amended (42 USC 2000 d-1) and the Title VI assurance (23 USC Section 324) and 49 CFR part 21;
- 49 USC 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age, in employment or business opportunity;
- Section 1101 (b) of the FAST Act (Public Law. 112-141) and 49 CFR 26 regarding the involvement of Disadvantaged Business Enterprises in US DOT funded projects;
- 23 CFR part 230 regarding implementation of an equal employment opportunity program on federal and federal aid highway construction contracts;

- The provisions of the Americans with Disabilities Act of 1990 (42 USC 12101 et. seq.) and 49 CFR parts 27, 37 , and 38;
- Sections 174 and 175 (c) and (d) of the Clean Air Act, as amended {42 USC 7504, 7506 (c) and (d)} and 40 CFR part 93;
- The Older Americans Act, as amended by 42 USC 6101 prohibiting on the basis of age in programs and activities receiving Federal financial assistance;
- Section 324 of Title 23 USC regarding prohibition of discrimination based on gender;
- Section 504 of the Rehabilitation Act of 1973 (29 USC 794) and 49 CFR part 27, regarding discrimination against individuals with disabilities;
- Anti-lobbying provisions found at 49 USC part 20 and 23 CFR 630.112;

Additionally, each Metropolitan Planning Organization has certified that its Transportation Improvement Program complies with the above requirements.



Stephanie Pollack
Secretary & CEO



Date

Financial Constraint

The financial plan contained herein is financially constrained; it ensures that the State Transportation Improvement Program reflects the maintenance and operation of our roadway and bridge system. Only projects for which funds can reasonably be expected have been included. Transit funding also satisfies federal requirements related to financial constraint. Federal transit funds are programmed in the State Transportation Improvement Program based upon estimates of funding for which there is a reasonable expectation of availability.



Stephanie Pollack
Secretary & CEO



Date

Certification of the State Transportation Improvement Program

Whereas, the 1990 Clean Air Act Amendments (CAAA) require Metropolitan Planning Organizations (MPO) within non-attainment areas and/or attainment areas with maintenance plans to perform air quality conformity determinations prior to the approval of transportation plans and transportation improvement programs, and at such other times as required by regulation;

Whereas, an air quality conformity determination for the 2020-2024 was conducted with each MPO endorsing an amended Regional Transportation Plan, concluding with the Commonwealth providing a conformity analysis on each MPO's TIPs and an air quality conformity determination being documented and approved by FHWA, FTA, EPA and DEP;

Whereas, all regionally significant transportation projects in the 2020-2024 State Transportation Improvement Program are contained in the collection of 2020 Regional Transportation Plans by the Commonwealth's MPOs;

Whereas, the State has completed its review in accordance with Section 176(c) (4) of the Clean Air Act as amended in 1990 [42 U.S.C. 7251 (a)], and hereby certifies that the FFY 2020-2024 STIP is financially constrained and that the implementation of the STIP, each MPO's TIP, and each MPO's 2020 Regional Transportation Plan all satisfy the criteria specified in both 310 CMR 60.03 (12/30/1994) and 40 CFR Part 51 and 93 (8/15/1997);

Whereas, based on current federal requirements, the FFY 2020-2024 STIP is consistent with the air quality goals of the Massachusetts State Implementation Plan;

Therefore, in accordance with 23 CFR Part 450 Section 324 (Development and content of the Metropolitan Transportation Plan) of the May 27, 2016 Final Rules for Statewide and Metropolitan Planning, the Commonwealth hereby endorses the FFY 2020-2024 State Transportation Improvement Program.



Stephanie Pollack
Secretary & CEO



Date

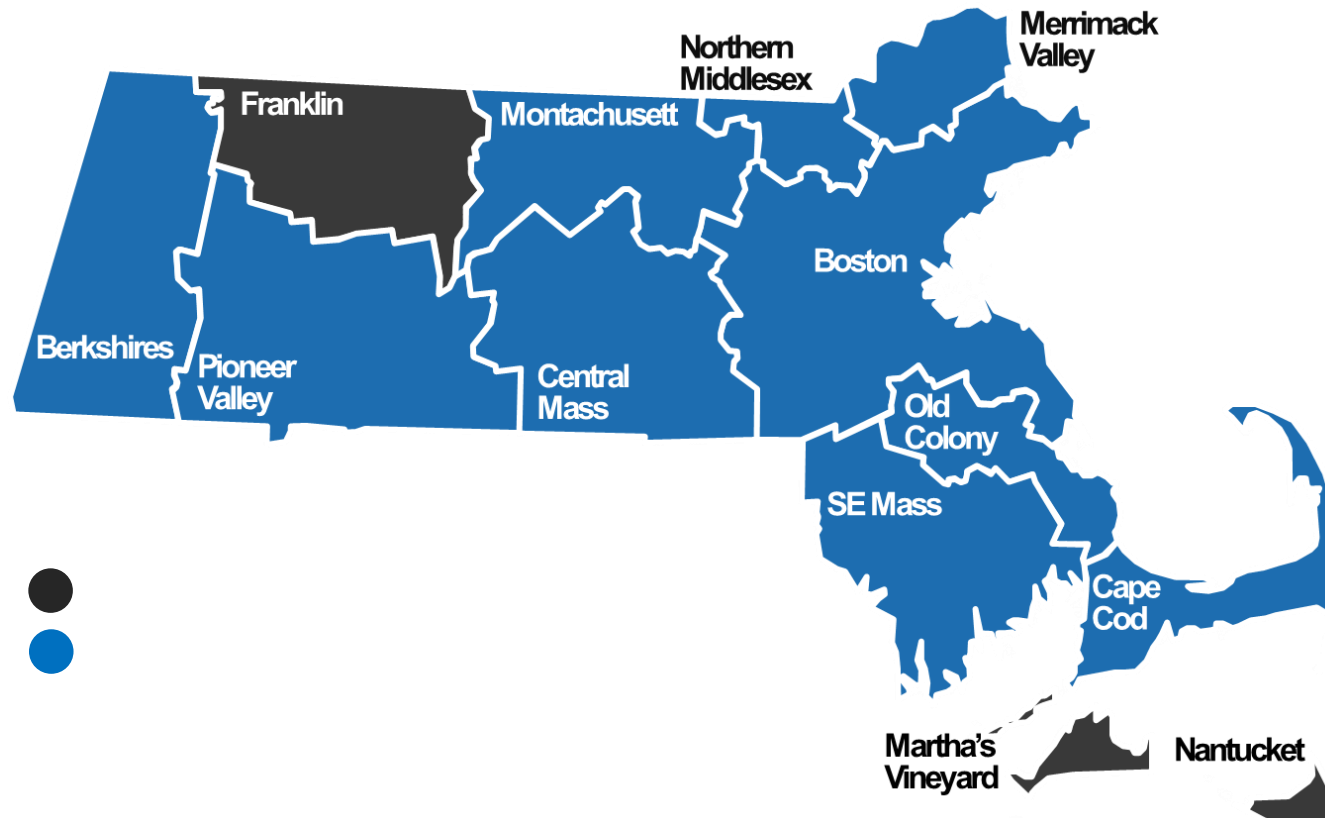
STIP development

Local communities and Regional Planning Agencies (RPAs) partner with the MassDOT Highway Division to plan, design, permit, and construct hundreds of highway, bridge, roadway, and intermodal investments annually. The MBTA and the fifteen (15) Regional Transit Authorities (RTAs) in Massachusetts, in cooperation with local officials and the MassDOT Rail and Transit Division, plan, develop, and implement transit investments. Together, these investments are listed in this document and constitute the State Transportation Improvement Program (STIP).

What is a Metropolitan Planning Organization (MPO)?

An MPO is a federally-mandated regional body made up of local, regional and state officials. The MPO is responsible for transportation planning and for programming investments using federal surface transportation funds. In Massachusetts, each MPO has at least four common members: MassDOT Secretary & CEO, who serves as chair; MassDOT Highway Division Administrator; a representative from the respective Regional Planning Agency (RPA); and one from the relevant RTA for each region. Other members of MPOs are typically elected officials from sub-regional sets of municipalities. The MPOs in Massachusetts can be seen on the next page in Figure 1.

Figure 1 - Planning regions in Massachusetts



Are RPAs and MPOs the same thing?

RPAs and MPOs can be confusing because they encompass identical geographical boundaries in Massachusetts. The difference between MPOs and RPAs is that they serve different functions, and the terms should not be used interchangeably. A key distinction is that the MPO is the decision-making body

for a region that includes representatives from state agencies, RTAs, and municipalities. By contrast, MassDOT has a contracted agreement with each RPA to serve as staff to perform transportation planning, data collection and analysis that supports the MPO's decision-making. For the Boston MPO, the Central Transportation Planning Staff (CTPS) serve as the primary staff for the MPO. However, the Metropolitan Area Planning Council (MAPC), the Boston area RPA, also performs some of the MPO's planning and analysis functions.

What is a regional TIP?

Every year, each MPO region must prepare and update its Transportation Improvement Program (TIP), a five-year program of capital investments that reflects the needs of the regional transportation system. Under federal regulations, each TIP must be constrained to available funding; consistent with the respective region's long-range Regional Transportation Plan (RTP); and include an annual element or listing of investments to be advertised in the first year of the TIP. Like the STIP, the regional TIP is multimodal and has both a roadway and transit component.

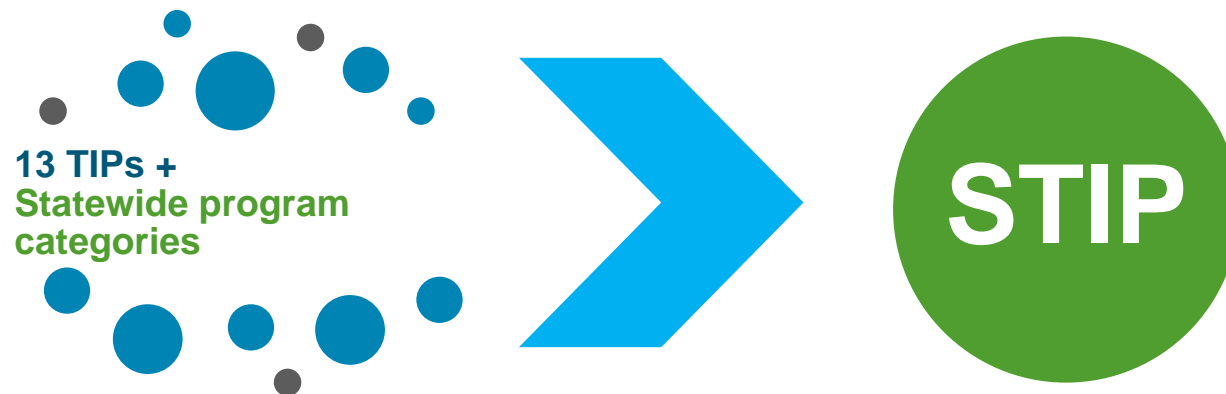
How is the STIP developed?

The State Transportation Improvement Program (STIP) is a compilation of the thirteen regional Transportation Improvement Programs prepared annually by the state's ten MPOs and three rural regional planning entities that function as MPOs, and statewide programs advanced by MassDOT. It is a listing of priority transportation investments (highway and transit) listed by region and fiscal year.

The STIP is compiled annually by the MassDOT Office of Transportation Planning (OTP), in coordination with the MassDOT Highway Division, MassDOT Rail & Transit Division, the MPOs, the RTAs, and MassDOT's Federal Aid Programming and Reimbursement Office (FAPRO). The proposed STIP is then reviewed and approved by state and federal transportation and environmental agencies.

The STIP must be financially-constrained to the federal amounts allocated to Massachusetts. These investment lists undergo a comprehensive annual review and revision and are updated as needed throughout the Federal Fiscal Year (FFY) to reflect changes including cost variations, project readiness, or shifting priorities.

Figure 2 - Relationship between TIPs and the STIP



The STIP is also a subset of MassDOT and the MBTA's 2020-2024 Capital Investment Plan (CIP). The 2020-2024 CIP includes all investments using any funding source available to MassDOT or the MBTA, while the STIP only lists federally-aided investments.

What is the STIP development timeline?

Figure 3 - STIP development timeline

Jan	•Financial guidance developed to guide MPOs and asset managers
Feb	•MassDOT provides regional target funding projections to MPOs so that they can prioritize investments
March	•MPOs choose preferred projects for their draft TIPs in partnership with stakeholders
April	•MPOs release TIPs for public comment
May	•MassDOT compiles draft TIPs into the draft STIP and releases for public comment •MPOs endorse respective TIPs
June	•MassDOT compiles the endorsed TIPs into the final STIP and transmits to approving partners at Federal Highway Administration (FHWA), Federal Transit Administration (FTA), U.S. Environmental Protection Agency (EPA) and Massachusetts Department of Environmental Protection (DEP)
Oct	•MassDOT begins advertising projects in new FFY

Funding the STIP

How are budgets set for the STIP?

MassDOT receives a funding “authorization” or estimate of total available federal funding from the Federal Highway Administration (FHWA). In recent years, this authorization has been approximately \$600 million, though this has increased under the Fixing America’s Surface Transportation (FAST) Act (2015) authorizations. Each year, Congress reviews the highway authorization during its budgeting process and sets a ceiling on how much can be spent from that authorization. This ceiling, called an obligation limitation, establishes the most MassDOT can spend in federal funding each year.

A portion of the federal highway funding allocated to Massachusetts is automatically held for the repayment of the Commonwealth’s Accelerated Bridge Program, which was a program that was established to significantly reduce the number of structurally deficient bridges statewide. Additionally, a certain amount of funding is dedicated for statewide activities such as planning, and adjustments. Approximately one-third of the funds available are dedicated to MPOs for regional priority projects. This distribution is determined according to a formula that is primarily based on each MPO’s road mileage and population. The formula for distribution among the MPOs was developed by the Massachusetts Association of Regional Planning Agencies (MARPA), and is known as the “MARPA formula.” FTA Section 5307, 5337, and 5339 funds are directly apportioned to 12 of the 15 RTAs based on urbanized area population and the

agreed-upon funding splits between other agencies that fall into the Urbanized Zone Area (UZA). The other 3 “rural” RTAs are not direct recipients of FTA funding, instead receiving Section 5311 funds as sub recipients of MassDOT with funding splits based on formula.

What are the highway investment priorities and programs?

The 2020-2024 STIP continues the alignment of investments that are categorized the same way as they are in MassDOT and the MBTA's Capital Investment Plan (CIP). MassDOT and the MBTA applied a new approach to capital investment for the 2017-2021 CIP by focusing on priorities, programs and then projects. Below are the programs found in the STIP and organized by priority.

Reliability Investments

These investments maintain and improve the overall condition and reliability of the transportation system. Reliability programs address the following:

- Necessary routine and capital maintenance
- State of Good Repair projects designed primarily to bring asset conditions up to an acceptable level
- Asset management and system preservation projects

Bridge program

This program involves the maintenance, reconstruction and replacement of state and municipally owned bridges across the Commonwealth.

Interstate pavement program

This program is focused on resurfacing and performing related work on the interstate.

Non-interstate pavement program

This program involves resurfacing and performing related work on non-interstate roads owned by MassDOT.

Roadway improvements program

This program performs pot hole, fencing, guardrail, and sidewalk maintenance repairs and other related improvements on non-interstate, state owned roadways. This program also includes federally funded stormwater retrofit projects. This program is preventative in nature, and is necessary to maximize the useful life and condition of roadways.

Safety improvements program

This program, which is both state and federally funded, repairs traffic signals, highway lighting systems, impact attenuators, traffic signs and pavement markings.

Modernization Investments

Modernization investments enhance the transportation system to make it safer and more accessible while also accommodating growth. Modernization programs address the following:

- Compliance with federal mandates or other statutory requirements for safety and/or accessibility improvements
- Projects that go beyond State of Good Repair and substantially modernize existing assets
- Projects that provide expanded capacity to accommodate current or anticipated demand on existing transportation systems

Americans with Disabilities Act (ADA) retrofits program

This program improves the condition and accessibility of state owned sidewalks. This program is necessary to meet obligations identified under MassDOT's [ADA Transition Plan](#).

Intersection improvements program

This program upgrades and improves traffic signals and intersections. This program is necessary to meet safety improvement targets.

Intelligent Transportation Systems program

This program supports innovative and new communication equipment and information technology systems (signs, cameras, sensors, etc.) designed to provide real time traffic information to residents and visitors. This program is necessary to improve our network of communication tools and to allow drivers to make better informed decisions regarding travel options.

Roadway reconstruction program

This program improves the overall condition of roads, by supporting both small and large state and municipal investments, and includes improvements to bicycle and pedestrian user spaces.

Expansion Investments

Expansion investments provide more diverse transportation options for communities throughout the Commonwealth. Expansion programs address the following:

- Projects that expand highway, transit and rail networks and/or services
- Projects that expand bicycle and pedestrian networks to provide more transportation options and address health and sustainability objectives

Bicycle and pedestrians program

This program constructs multi-use paths and other trails that are independent from a roadway. In addition, this program will meet future needs identified through ongoing statewide bicycle and pedestrian planning efforts in MassDOT's [Statewide Bicycle Plan](#) and [Statewide Pedestrian Plan](#).

Capacity program

This program adds new connections or expands the existing transportation network.

Highway funding overview

As previously mentioned, MassDOT divides federal highway funding that it receives between “funding for regional priorities,” which is allocated at the discretion of the MPOs for regional priority projects on the federal aid transportation system, and funding that is allocated at MassDOT’s discretion for use primarily on the state-owned transportation system. Each MPO’s regional target amount is composed of its respective share of Surface Transportation Block Program (STBG), Congestion Mitigation and Air Quality Improvement Program (CMAQ), Highway Safety Improvement Program (HSIP), and Transportation Alternatives Program (TAP) funding. Statewide funding that is allocated at MassDOT's discretion includes the above categories as well as additional sources.

Congestion Mitigation and Air Quality Improvement Program (CMAQ)

CMAQ provides a flexible funding source for transportation investments and programs to help meet the requirements of the federal Clean Air Act. Funding is available to help reduce congestion and improve air quality for areas that do not meet the National Ambient Air Quality Standards for ozone, carbon monoxide, or particulate matter (nonattainment areas) and for former nonattainment areas that are now in compliance (maintenance areas).

In Massachusetts, a portion of CMAQ funding is prioritized and programmed by the MPOs. Prior to programming, proposed CMAQ investments are reviewed by the CMAQ Consultation Committee, which is responsible for determining whether

a project shows an air quality benefit and is eligible for CMAQ funding. The members of the Committee include representatives from MassDOT, Massachusetts Department of Environmental Protection (DEP), United States Department of Transportation (USDOT), U.S. Environmental Protection Agency (EPA), and the MPOs.

Highway Safety Improvement Program (HSIP)

The HSIP funds safety improvement investments to reduce the number and severity of crashes at dangerous locations. A highway safety improvement investment is any strategy, activity, or project on a public road that is consistent with each state's data-driven [State Strategic Highway Safety Plan \(SHSP\)](#) and corrects or improves a hazardous road location or addresses a highway safety problem.

National Highway Freight Program (NFP)

NFP was established in December 2015 through the FAST Act to improve the efficient movement of freight on the National Highway Freight Network (NHFN). The Commonwealth's Freight Plan was approved by FHWA on July 13, 2018. As the Freight Plan continues to develop, program sizes will be proposed in future STIPs according to need and appropriations.

National Highway Performance Program (NHPP)

NHPP provides support for the condition and performance of the National Highway System (NHS), including Interstate and non-Interstate routes and

bridges. These investments ensure that federal-aid funds in highway construction are on an eligible facility and support progress toward achievement of national performance goals for improving infrastructure condition, safety, mobility, or freight movement on the NHS, and that they are consistent with Metropolitan and Statewide planning requirements.

Surface Transportation Block Program (STBG)

STBG (formerly STP) provides flexible funding that may be used by locals, regions and states for projects to preserve and improve the conditions on, and performance of, any federal-aid highway, bridge, or tunnel, as well as for projects on any public road (except local roads and rural minor collectors), pedestrian and bicycle infrastructure, and transit capital projects, including intercity bus terminals. Fifty percent of a state's STBG funds are to be distributed to areas based on population (sub-allocated), with the remainder to be used in any area of the state. A portion of STBG funds (equal to 15 percent of a State's FY 2009 Highway Bridge Program apportionment) is to be set aside for bridges not on Federal-aid highways (off-system bridges), unless the Secretary determines the state has insufficient needs to justify this amount.

Transportation Alternatives Program (TAP)

TAP is a competitive program that funds a variety of transportation investment types. The funds are split 50 percent each between a statewide allocation of the funds and nine of the MPOs in the Commonwealth (Berkshire, Franklin, Martha's Vineyard and Nantucket are too small in population per Moving Ahead for

Progress in the 21st Century (MAP-21) to receive such funds). MassDOT prioritizes the use of these funds for Safe Routes to School investments sponsored by communities and the MPOs use their transportation evaluation criteria to select their TAP investments. MassDOT and the MPOs are not eligible project sponsors.

Highway Infrastructure Program (HIP)

HIP funds are new federal highway apportionments distributed to the Commonwealth in FFY 2018 and 2019. HIP is a flexible funding source with the same eligibility and similar sub-allocation to STBG funding, and also comes with its own obligation limitation.

Earmarks

Certain funding categories are investment-specific, i.e. funds are ‘earmarked’ only for use in the development of a particular investment. This practice has since ended in Congress, though some earmarks are still available for certain designated investments.

Transportation bond bill funding

The Massachusetts Legislature passes transportation bond bills to provide state resources for investments in our transportation system. This provides the Commonwealth with authorization to issue bonds to support transportation capital expenditures. Such expenditures include matching funds for federally-funded STIP investments, both highway and transit, and Chapter 90

reimbursement funds for local transportation projects. The Executive Office of Administration and Finance issues bonds at its discretion subject to legislative authorization in transportation bond bills and subject to overall “bond cap” limits on the Commonwealth’s debt obligations.

On the following pages are the Highway funding tables presented by federal fiscal year.

**FFY 2020-2024 STIP
2020 BUDGET**

	Obligation authority <i>(federal aid only)</i>	Matching funds	FFY 2020 (Proposed) <i>(federal aid + match)</i>	
Base obligation authority	\$ 626,330,019			
Planned redistribution request	\$ 50,000,000			
Total Estimated Funding Available	\$ 676,330,019			
ABP GANS Repayment	\$ (81,570,000)			
Total non-earmarked funding available	\$ 594,760,019	\$ 139,025,281	\$ 733,785,300	
Planning / Adjustments / Pass-throughs				
Award adjustments, change orders, etc.	\$ 27,084,260	\$ 6,771,065	\$ 33,855,325	
Metropolitan planning	\$ 10,008,876	\$ 2,502,219	\$ 12,511,095	
State planning and research	\$ 20,431,055	\$ 5,107,764	\$ 25,538,819	
Freight Plan flex to Rail and Transit	\$ 2,245,872	\$ 561,468	\$ 2,807,340	
Recreational trails	\$ 1,186,729	\$ 296,682	\$ 1,483,411	
Railroad grade crossings	\$ 2,000,000	\$ 222,222	\$ 2,222,222	
SRTS education	\$ 1,080,000	\$ 270,000	\$ 1,350,000	
Transit grant program	\$ 1,580,000	\$ 395,000	\$ 1,975,000	
<i>subtotal of planning / adjustments / pass throughs</i>	\$ 65,616,792	\$ 16,126,420	\$ 81,743,212	
Funding for regional priorities	regional share % MPO	Total federal aid	Matching funds	Total funding (proposed)
	3.5596% Berkshire	\$ 6,791,857	\$ 1,697,964	\$ 8,489,822
	42.9671% Boston	\$ 81,982,925	\$ 20,495,731	\$ 102,478,656
	4.5851% Cape Cod	\$ 8,748,552	\$ 2,187,138	\$ 10,935,690
	8.6901% Central Mass	\$ 16,581,054	\$ 4,145,264	\$ 20,726,318
	2.5397% Franklin	\$ 4,845,848	\$ 1,211,462	\$ 6,057,310
	0.3100% Martha's Vineyard	\$ 591,492	\$ 147,873	\$ 739,365
	4.4296% Merrimack Valley	\$ 8,451,852	\$ 2,112,963	\$ 10,564,815
	4.4596% Montachusett	\$ 8,509,093	\$ 2,127,273	\$ 10,636,366
	0.2200% Nantucket	\$ 419,769	\$ 104,942	\$ 524,711
	3.9096% Northern Middlesex	\$ 7,459,671	\$ 1,864,918	\$ 9,324,589
	4.5595% Old Colony	\$ 8,699,706	\$ 2,174,927	\$ 10,874,633
	10.8099% Pioneer Valley	\$ 20,625,716	\$ 5,156,429	\$ 25,782,146
	8.9601% Southeastern Mass	\$ 17,096,225	\$ 4,274,056	\$ 21,370,281
<i>Total funding of regional priorities</i>		\$ 190,803,952	\$ 47,700,940	\$ 238,504,702
Highway Division programs		\$ 338,339,275	\$ 75,197,921	\$ 413,537,196
Reliability programs		\$ 283,939,275	\$ 63,681,254	\$ 347,620,529
Bridge program		\$ 158,167,945	\$ 39,541,986	\$ 197,709,931
	<i>Inspections</i>	\$ 14,320,000	\$ 3,580,000	\$ 17,900,000
	<i>Systematic maintenance</i>	\$ 8,000,000	\$ 2,000,000	\$ 10,000,000
	<i>On-system NHS (minimum)</i>	\$ 94,900,000	\$ 23,725,000	\$ 118,625,000
	<i>On-System Non-NHS</i>	\$ 9,100,000	\$ 2,275,000	\$ 11,375,000
	<i>Off-system</i>	\$ 28,500,000	\$ 7,125,000	\$ 35,625,000
Interstate pavement program		\$ 37,585,665	\$ 4,176,185	\$ 41,761,850

**FFY 2020-2024 STIP
2020 BUDGET**

Non-interstate DOT pavement program	\$ 65,185,665	\$ 16,296,416	\$ 81,482,081
Roadway improvements program	\$ 3,000,000	\$ 750,000	\$ 3,750,000
Safety improvements program	\$ 20,000,000	\$ 2,916,667	\$ 22,916,667
Modernization programs	\$ 34,400,000	\$ 6,516,667	\$ 40,916,667
ADA retrofits program	\$ -	\$ -	\$ -
Intersection improvements program	\$ 17,000,000	\$ 2,166,667	\$ 19,166,667
Intelligent Transportation Systems program	\$ 10,000,000	\$ 2,500,000	\$ 12,500,000
Roadway reconstruction program	\$ 7,400,000	\$ 1,850,000	\$ 9,250,000
Expansion programs	\$ 20,000,000	\$ 5,000,000	\$ 25,000,000
Bicycles and pedestrians program	\$ 20,000,000	\$ 5,000,000	\$ 25,000,000
Capacity program	\$ -	\$ -	\$ -

**FFY 2020-2024 STIP
2021 BUDGET**

		Obligation authority <i>(federal aid only)</i>	Matching funds	FFY 2021 (Proposed) <i>(federal aid + match)</i>
Base obligation authority		\$ 641,988,270		
Planned redistribution request		\$ 50,000,000		
Total Estimated Funding Available		\$ 691,988,270		
ABP GANS Repayment		\$ (85,190,000)		
Total non-earmarked funding available		\$ 606,798,270	\$ 143,814,674	\$ 750,612,944
Planning / Adjustments / Pass-throughs				
Award adjustments, change orders, etc.		\$ 18,903,344	\$ 4,725,836	\$ 23,629,180
Metropolitan planning		\$ 10,008,876	\$ 2,502,219	\$ 12,511,095
State planning and research		\$ 20,431,055	\$ 5,107,764	\$ 25,538,819
Freight Plan flex to Rail and Transit		\$ 2,245,872	\$ 561,468	\$ 2,807,340
Recreational trails		\$ 1,186,729	\$ 296,682	\$ 1,483,411
Railroad grade crossings		\$ 2,000,000	\$ 222,222	\$ 2,222,222
SRTS education		\$ 1,080,000	\$ 270,000	\$ 1,350,000
Transit grant program		\$ 1,580,000	\$ 395,000	\$ 1,975,000
<i>subtotal of planning / adjustments / pass throughs</i>		\$ 57,435,876	\$ 14,081,191	\$ 71,517,067
Funding for regional priorities	regional share % MPO	Total federal aid	Matching funds	Total funding (proposed)
	3.5596% Berkshire	\$ 6,929,328	\$ 1,732,332	\$ 8,661,660
	42.9671% Boston	\$ 83,642,302	\$ 20,910,575	\$ 104,552,877
	4.5851% Cape Cod	\$ 8,925,627	\$ 2,231,407	\$ 11,157,034
	8.6901% Central Mass	\$ 16,916,663	\$ 4,229,166	\$ 21,145,829
	2.5397% Franklin	\$ 4,943,930	\$ 1,235,983	\$ 6,179,913
	0.3100% Martha's Vineyard	\$ 603,464	\$ 150,866	\$ 754,330
	4.4296% Merrimack Valley	\$ 8,622,922	\$ 2,155,730	\$ 10,778,652
	4.4596% Montachusett	\$ 8,681,322	\$ 2,170,330	\$ 10,851,652
	0.2200% Nantucket	\$ 428,265	\$ 107,066	\$ 535,331
	3.9096% Northern Middlesex	\$ 7,610,659	\$ 1,902,665	\$ 9,513,324
	4.5595% Old Colony	\$ 8,875,793	\$ 2,218,948	\$ 11,094,741
	10.8099% Pioneer Valley	\$ 21,043,192	\$ 5,260,798	\$ 26,303,990
	8.9601% Southeastern Mass	\$ 17,442,261	\$ 4,360,565	\$ 21,802,827
<i>Total funding of regional priorities</i>		\$ 194,665,923	\$ 48,666,432	\$ 243,332,161
Highway Division programs		\$ 351,348,526	\$ 81,067,051	\$ 432,415,577
Reliability programs		\$ 242,628,526	\$ 55,414,829	\$ 298,043,354
Bridge program		\$ 143,847,945	\$ 35,961,986	\$ 179,809,931
Inspections		\$ -	\$ -	\$ -
Systematic maintenance		\$ 8,000,000	\$ 2,000,000	\$ 10,000,000
On-system NHS (minimum)		\$ 94,900,000	\$ 23,725,000	\$ 118,625,000
On-System Non-NHS		\$ 9,100,000	\$ 2,275,000	\$ 11,375,000
Off-system		\$ 28,500,000	\$ 7,125,000	\$ 35,625,000
Interstate pavement program		\$ 24,744,581	\$ 2,749,398	\$ 27,493,979

**FFY 2020-2024 STIP
2021 BUDGET**

Non-interstate DOT pavement program	\$ 54,036,000	\$ 13,509,000	\$ 67,545,000
Roadway improvements program	\$ 3,000,000	\$ 750,000	\$ 3,750,000
Safety improvements program	\$ 17,000,000	\$ 2,444,444	\$ 19,444,444
Modernization programs	\$ 80,720,000	\$ 18,652,222	\$ 99,372,222
ADA retrofits program	\$ 1,400,000	\$ 350,000	\$ 1,750,000
Intersection improvements program	\$ 16,000,000	\$ 2,472,222	\$ 18,472,222
Intelligent Transportation Systems program	\$ 8,000,000	\$ 2,000,000	\$ 10,000,000
Roadway reconstruction program	\$ 55,320,000	\$ 13,830,000	\$ 69,150,000
Expansion programs	\$ 28,000,000	\$ 7,000,000	\$ 35,000,000
Bicycles and pedestrians program	\$ 28,000,000	\$ 7,000,000	\$ 35,000,000
Capacity program	\$ -	\$ -	\$ -

**FFY 2020-2024 STIP
2022 BUDGET**

	Obligation authority <i>(federal aid only)</i>	Matching funds	FFY 2022 (Proposed) <i>(federal aid + match)</i>
Base obligation authority	\$ 658,744,163		
Planned redistribution request	\$ 50,000,000		
Total Estimated Funding Available	\$ 708,744,163		
ABP GANS Repayment	\$ (89,590,000)		
Total non-earmarked funding available	\$ 619,154,163	\$ 147,301,057	\$ 766,455,220
Planning / Adjustments / Pass-throughs			
Award adjustments, change orders, etc.	\$ 25,270,365	\$ 6,317,591	\$ 31,587,956
Metropolitan planning	\$ 10,008,876	\$ 2,502,219	\$ 12,511,095
State planning and research	\$ 20,431,055	\$ 5,107,764	\$ 25,538,819
Freight Plan flex to Rail and Transit	\$ 2,245,872	\$ 561,468	\$ 2,807,340
Recreational trails	\$ 1,186,729	\$ 296,682	\$ 1,483,411
Railroad grade crossings	\$ 2,000,000	\$ 222,222	\$ 2,222,222
SRTS education	\$ 1,080,000	\$ 270,000	\$ 1,350,000
Transit grant program	\$ 1,580,000	\$ 395,000	\$ 1,975,000
<i>subtotal of planning / adjustments / pass throughs</i>	\$ 63,802,897	\$ 15,672,946	\$ 79,475,843
Funding for regional priorities	regional share % MPO	Total federal aid	Matching funds Total funding (proposed)
	3.5596% Berkshire	\$ 7,070,426	\$ 1,767,607 \$ 8,838,033
	42.9671% Boston	\$ 85,345,463	\$ 21,336,366 \$ 106,681,829
	4.5851% Cape Cod	\$ 9,107,375	\$ 2,276,844 \$ 11,384,218
	8.6901% Central Mass	\$ 17,261,128	\$ 4,315,282 \$ 21,576,410
	2.5397% Franklin	\$ 5,044,601	\$ 1,261,150 \$ 6,305,751
	0.3100% Martha's Vineyard	\$ 615,752	\$ 153,938 \$ 769,690
	4.4296% Merrimack Valley	\$ 8,798,505	\$ 2,199,626 \$ 10,998,132
	4.4596% Montachusett	\$ 8,858,094	\$ 2,214,524 \$ 11,072,618
	0.2200% Nantucket	\$ 436,986	\$ 109,246 \$ 546,232
	3.9096% Northern Middlesex	\$ 7,765,631	\$ 1,941,408 \$ 9,707,038
	4.5595% Old Colony	\$ 9,056,526	\$ 2,264,131 \$ 11,320,657
	10.8099% Pioneer Valley	\$ 21,471,682	\$ 5,367,921 \$ 26,839,603
	8.9601% Southeastern Mass	\$ 17,797,428	\$ 4,449,357 \$ 22,246,785
<i>Total funding of regional priorities</i>		\$ 198,629,796	\$ 49,657,399 \$ 248,286,997
Highway Division programs		\$ 356,721,470	\$ 81,970,711 \$ 438,692,181
Reliability programs		\$ 250,221,470	\$ 57,429,045 \$ 307,650,514
Bridge program		\$ 158,167,945	\$ 39,541,986 \$ 197,709,931
	<i>Inspections</i>	\$ 14,320,000	\$ 3,580,000 \$ 17,900,000
	<i>Systematic maintenance</i>	\$ 8,000,000	\$ 2,000,000 \$ 10,000,000
	<i>On-system NHS (minimum)</i>	\$ 94,900,000	\$ 23,725,000 \$ 118,625,000
	<i>On-System Non-NHS</i>	\$ 9,100,000	\$ 2,275,000 \$ 11,375,000
	<i>Off-system</i>	\$ 28,500,000	\$ 7,125,000 \$ 35,625,000
Interstate pavement program		\$ 22,909,525	\$ 2,545,503 \$ 25,455,028

**FFY 2020-2024 STIP
2022 BUDGET**

Non-interstate DOT pavement program	\$ 51,144,000	\$ 12,786,000	\$ 63,930,000
Roadway improvements program	\$ 1,000,000	\$ 250,000	\$ 1,250,000
Safety improvements program	\$ 17,000,000	\$ 2,305,556	\$ 19,305,556
Modernization programs	\$ 78,500,000	\$ 17,541,667	\$ 96,041,667
ADA retrofits program	\$ -	\$ -	\$ -
Intersection improvements program	\$ 15,000,000	\$ 1,666,667	\$ 16,666,667
Intelligent Transportation Systems program	\$ 8,000,000	\$ 2,000,000	\$ 10,000,000
Roadway reconstruction program	\$ 55,500,000	\$ 13,875,000	\$ 69,375,000
Expansion programs	\$ 28,000,000	\$ 7,000,000	\$ 35,000,000
Bicycles and pedestrians program	\$ 28,000,000	\$ 7,000,000	\$ 35,000,000
Capacity program	\$ -	\$ -	

**FFY 2020-2024 STIP
2023 BUDGET**

	Obligation authority <i>(federal aid only)</i>	Matching funds	FFY 2023 (Proposed) <i>(federal aid + match)</i>
Base obligation authority	\$ 676,662,005		
Planned redistribution request	\$ 50,000,000		
Total Estimated Funding Available	\$ 726,662,005		
ABP GANS Repayment	\$ (93,985,000)		
Total non-earmarked funding available	\$ 632,677,005	\$ 150,023,500	\$ 782,700,504
Planning / Adjustments / Pass-throughs			
Award adjustments, change orders, etc.	\$ 12,257,029	\$ 3,064,257	\$ 15,321,286
Metropolitan planning	\$ 10,008,876	\$ 2,502,219	\$ 12,511,095
State planning and research	\$ 20,431,055	\$ 5,107,764	\$ 25,538,819
Recreational trails	\$ 1,186,729	\$ 296,682	\$ 1,483,411
Railroad grade crossings	\$ 2,000,000	\$ 222,222	\$ 2,222,222
SRTS education	\$ 1,080,000	\$ 270,000	\$ 1,350,000
Transit grant program	\$ 1,580,000	\$ 395,000	\$ 1,975,000
<i>subtotal of planning / adjustments / pass throughs</i>	\$ 48,543,689	\$ 11,858,144	\$ 60,401,833
Funding for regional priorities	regional share % MPO	Total federal aid	Matching funds
			Total funding (proposed)
	3.5596% Berkshire	\$ 7,224,850	\$ 1,806,213
	42.9671% Boston	\$ 87,209,479	\$ 21,802,370
	4.5851% Cape Cod	\$ 9,306,287	\$ 2,326,572
	8.6901% Central Mass	\$ 17,638,125	\$ 4,409,531
	2.5397% Franklin	\$ 5,154,779	\$ 1,288,695
	0.3100% Martha's Vineyard	\$ 629,201	\$ 157,300
	4.4296% Merrimack Valley	\$ 8,990,672	\$ 2,247,668
	4.4596% Montachusett	\$ 9,051,563	\$ 2,262,891
	0.2200% Nantucket	\$ 446,530	\$ 111,632
	3.9096% Northern Middlesex	\$ 7,935,238	\$ 1,983,810
	4.5595% Old Colony	\$ 9,254,328	\$ 2,313,582
	10.8099% Pioneer Valley	\$ 21,940,642	\$ 5,485,160
	8.9601% Southeastern Mass	\$ 18,186,139	\$ 4,546,535
<i>Total funding of regional priorities</i>		\$ 202,968,036	\$ 50,741,958
Highway Division programs		\$ 381,165,279	\$ 87,423,397
Reliability programs		\$ 267,601,252	\$ 61,384,440
Bridge program		\$ 166,996,123	\$ 41,749,031
	<i>Inspections</i>		\$ -
	<i>Systematic maintenance</i>	\$ 8,629,176	\$ 2,157,294
	<i>On-system NHS (minimum)</i>	\$ 94,900,000	\$ 23,725,000
	<i>On-System Non-NHS</i>	\$ 9,815,687	\$ 2,453,922
	<i>Off-system</i>	\$ 28,500,000	\$ 7,125,000
Interstate pavement program		\$ 24,711,290	\$ 2,745,699

**FFY 2020-2024 STIP
2023 BUDGET**

Non-interstate DOT pavement program	\$ 56,414,722	\$ 14,103,681	\$ 70,518,403
Roadway improvements program	\$ 1,142,119	\$ 285,530	\$ 1,427,648
Safety improvements program	\$ 18,336,998	\$ 2,500,500	\$ 20,837,498
Modernization programs	\$ 84,673,787	\$ 18,816,397	\$ 102,880,407
ADA retrofits program	\$ 1,400,000	\$ 350,000	\$ 1,750,000
Intersection improvements program	\$ 16,934,757	\$ 1,881,640	\$ 18,705,529
Intelligent Transportation Systems program	\$ 8,000,000	\$ 2,000,000	\$ 10,000,000
Roadway reconstruction program	\$ 58,339,029	\$ 14,584,757	\$ 72,424,878
Expansion programs	\$ 28,890,241	\$ 7,222,560	\$ 36,112,801
Bicycles and pedestrians program	\$ 28,890,241	\$ 7,222,560	\$ 36,112,801
Capacity program	\$ -	\$ -	\$ -

**FFY 2020-2024 STIP
2024 BUDGET**

	Obligation authority <i>(federal aid only)</i>	Matching funds	FFY 2024 (Proposed) <i>(federal aid + match)</i>
Base obligation authority	\$ 689,684,333		
Planned redistribution request	\$ 50,000,000		
Total Estimated Funding Available	\$ 739,684,333		
ABP GANS Repayment	\$ (98,715,000)		
Total non-earmarked funding available	\$ 640,969,333	\$ 151,980,325	\$ 792,949,658
Planning / Adjustments / Pass-throughs			
Award adjustments, change orders, etc.	\$ 12,257,029	\$ 3,064,257	\$ 15,321,286
Metropolitan planning	\$ 10,008,876	\$ 2,502,219	\$ 12,511,095
State planning and research	\$ 20,431,055	\$ 5,107,764	\$ 25,538,819
Recreational trails	\$ 1,186,729	\$ 296,682	\$ 1,483,411
Railroad grade crossings	\$ 2,000,000	\$ 222,222	\$ 2,222,222
SRTS education	\$ 1,080,000	\$ 270,000	\$ 1,350,000
Transit grant program	\$ 1,580,000	\$ 395,000	\$ 1,975,000
<i>subtotal of planning / adjustments / pass throughs</i>	\$ 48,543,689	\$ 11,858,144	\$ 60,401,833
Funding for regional priorities	regional share %	MPO	Total federal aid
			Matching funds
			Total funding (proposed)
	3.5596%	Berkshire	\$ 7,319,544
			\$ 1,829,886
			\$ 9,149,430
	42.9671%	Boston	\$ 88,352,510
			\$ 22,088,128
			\$ 110,440,638
	4.5851%	Cape Cod	\$ 9,428,262
			\$ 2,357,066
			\$ 11,785,328
	8.6901%	Central Mass	\$ 17,869,304
			\$ 4,467,326
			\$ 22,336,629
	2.5397%	Franklin	\$ 5,222,342
			\$ 1,305,585
			\$ 6,527,927
	0.3100%	Martha's Vineyard	\$ 637,448
			\$ 159,362
			\$ 796,810
	4.4296%	Merrimack Valley	\$ 9,108,510
			\$ 2,277,128
			\$ 11,385,638
	4.4596%	Montachusett	\$ 9,170,199
			\$ 2,292,550
			\$ 11,462,749
	0.2200%	Nantucket	\$ 452,382
			\$ 113,096
			\$ 565,478
	3.9096%	Northern Middlesex	\$ 8,039,243
			\$ 2,009,811
			\$ 10,049,054
	4.5595%	Old Colony	\$ 9,375,622
			\$ 2,343,905
			\$ 11,719,527
	10.8099%	Pioneer Valley	\$ 22,228,212
			\$ 5,557,053
			\$ 27,785,265
	8.9601%	Southeastern Mass	\$ 18,424,500
			\$ 4,606,125
			\$ 23,030,625
<i>Total funding of regional priorities</i>			\$ 205,628,284
			\$ 51,407,020
			\$ 257,035,098
Highway Division programs			\$ 386,797,360
			\$ 88,715,161
			\$ 475,512,521
Reliability programs			\$ 271,555,215
			\$ 62,291,428
			\$ 333,846,643
Bridge program			\$ 169,463,650
			\$ 42,365,912
			\$ 211,829,562
	<i>Inspections</i>		\$ 14,320,000
			\$ 3,580,000
			\$ 17,900,000
	<i>Systematic maintenance</i>		\$ 8,756,680
			\$ 2,189,170
			\$ 10,945,850
	<i>On-system NHS (minimum)</i>		\$ 94,900,000
			\$ 23,725,000
			\$ 118,625,000
	<i>On-System Non-NHS</i>		\$ 9,960,724
			\$ 2,490,181
			\$ 12,450,904
	<i>Off-system</i>		\$ 28,500,000
			\$ 7,125,000
			\$ 35,625,000
Interstate pavement program			\$ 25,076,422
			\$ 2,786,269
			\$ 27,862,692

**FFY 2020-2024 STIP
2024 BUDGET**

Non-interstate DOT pavement program	\$ 57,248,203	\$ 14,312,051	\$ 71,560,253
Roadway improvements program	\$ 1,158,995	\$ 289,749	\$ 1,448,743
Safety improvements program	\$ 18,607,945	\$ 2,537,447	\$ 21,145,392
Modernization programs	\$ 85,924,923	\$ 19,094,427	\$ 105,019,350
ADA retrofits program	\$ -	\$ -	\$ -
Intersection improvements program	\$ 17,184,985	\$ 1,909,443	\$ 19,094,427
Intelligent Transportation Systems program	\$ 8,000,000	\$ 2,000,000	\$ 10,000,000
Roadway reconstruction program	\$ 60,739,938	\$ 15,184,985	\$ 75,924,923
Expansion programs	\$ 29,317,223	\$ 7,329,306	\$ 36,646,529
Bicycles and pedestrians program	\$ 29,317,223	\$ 7,329,306	\$ 36,646,529
Capacity program	\$ -	\$ -	\$ -

Transit funding overview

The Federal Transit Administration (FTA) provides financial assistance to develop new transit systems and improve, maintain, and operate existing systems. FTA funds are provided directly to the MBTA and Regional Transit Authorities (RTAs) throughout the Commonwealth. The federal funding sources are presented below:

Urbanized Area Formula Grant - Section 5307

5307 program funds are used for public transportation capital and operating assistance and for transportation-related planning. Eligible activities include planning, engineering design, capital investments in bus and bus-related activities, crime prevention and security equipment, construction of maintenance and passenger facilities, and capital investments in new and existing fixed guideway systems including rolling stock, the overhaul and rebuilding of vehicles, track, signals, communications, and computer hardware and software.

Fixed-Guideway Capital Investment Grants – Section 5309

5309 provides grants for new and expanded rail, bus rapid transit, and ferry systems that reflect local priorities to improve transportation options in key corridors. This program includes a category known as core capacity projects, which expand capacity by at least 10% in existing fixed-guideway transit corridors that are already at or above capacity today, or are expected to be at or above capacity within five years.

Enhanced Mobility of Seniors and Individuals with Disabilities - Section 5310

5310 program funds are used to improve mobility for seniors and individuals with disabilities. FTA provides financial assistance for transportation services that are planned, designed, and carried out to meet the special transportation needs of elderly individuals and individuals with disabilities in all areas—urbanized, small urban, and rural.

MassDOT administers the Section 5310 program through a single application process that includes Section 5310, 5339 and the Commonwealth funded Mobility Assistance Program (MAP). A committee advises MassDOT by reviewing and scoring applications for funding under 5310 and MAP. Once applicants are selected, MassDOT develops the program of projects and submits the Section 5310 application to FTA.

Formula Grant for Rural Areas - Section 5311

5311 program funds are used to enhance access for people in non-urbanized areas to health care, shopping, education, employment, public services, and recreation. They are also used to assist in the maintenance, development, improvement, and use of public transportation systems in non-urbanized areas.

State of Good Repair Grants - Section 5337

5337 is a formula-based State of Good Repair program dedicated to repairing and upgrading the nation's rail transit systems along with high-

intensity motor bus systems that use high-occupancy vehicle lanes, including bus rapid transit (BRT).

Bus and Bus Facilities - Section 5339

5339 program funds are used to replace, rehabilitate, and purchase buses and related equipment as well as construction of bus-related facilities.

In addition, the Commonwealth and local entities provide the required match to federal funds from the following sources:

Regional Transit Authority Capital Assistance – RTACAP

RTACAP are state funds primarily used for RTA capital projects, including matching funds for federally funded projects.

Mobility Assistance Program - MAP

MAP funds are state capital dollars to transit agencies, councils on aging, and private non-profits for the purchase of vehicles to be used in the provision of transportation services to the elderly and persons with disabilities. MAP is administered by MassDOT under the Section 5310 program through an application process.

State Contract Assistance - SCA

SCA funds are state operating assistance for transit, provided through the Commonwealth Transportation Fund (CTF) and the Massachusetts Transportation Trust Fund (MTTF). These funds are used for operating expenditures through contracts between the RTAs and MassDOT's Rail and Transit Division.

Transportation Development Credits - TDC

FHWA and FTA allow states to substitute certain previously financed toll investments for the state matching funds that are required for federal projects. This permits states to use TDCs, commonly known as Toll Credits, to match federal funds.

Local Funds

These funds include any local contributions to transit operations.

Transit provider	2020 2024 total funding programmed:
Brockton Area Transit	\$35,185,000
Berkshire Regional Transit Authority	\$4,014,056
Cape Ann Transit Authority	\$3,537,500
Cape Cod Regional Transit Authority	\$60,113,578
Franklin Regional Transit Authority	\$11,167,500
Greater Attleboro-Taunton Regional Transit Authority	\$47,973,979
Lowell Regional Transit Authority	\$63,479,308
Massachusetts Bay Transportation Authority	\$3,083,798,267
Merrimack Valley Regional Transit Authority	\$42,460,045
MetroWest Regional Transit Authority	\$17,834,094
Montachusett Regional Transit Authority	\$28,802,500
Nantucket Regional Transit Authority	\$9,901,848
Pioneer Valley Regional Transit Authority	\$161,786,246
Southeastern Regional Transit Authority	\$79,569,275
Vineyard Transit Authority	\$25,868,000
Worcester Regional Transit Authority	\$102,529,171
MassDOT	\$196,231,107
Total	\$3,959,721,112

Note: Total funding programmed includes federal, state and local sources

Programming the STIP

How is a TIP developed?

Development of a TIP is a cooperative effort among MPO members, communities, and elected officials. MPO staff and MassDOT jointly manage the roadway, bridge and intermodal portion of the TIP. The Office of Transportation Planning (OTP) and the MassDOT Highway Division District Offices generally represent the MassDOT Secretary & CEO and the MassDOT Highway Division Administrator during the development of the TIP. The Chief Engineer, Highway Engineering, Right of Way, and Environmental departments participate in the development of each regional TIP through an annual “TIP Readiness Day” in which recommendations are made to each MPO’s staff concerning proposed investments.

The TIP development process begins with a public announcement and solicitation of investments from community partners to be recommended for TIP programming. Based on the scoring of projects and public input, each MPO and MassDOT develop a preliminary proposal of highway investments to be funded. For transit, each RTA works with MPO staff and MassDOT to develop a preliminary proposal for transit projects to be funded. The boards for each respective MPO comments on these proposals, makes changes as needed, and votes to release the proposals for a twenty-one* day public comment period. During this time, the TIP is reviewed by each MPO’s advisory committee who provide feedback. Finally, each MPO meets to formally endorse its TIP.

As projects progress through the development process, funding must be identified in order for them to be constructed. MassDOT and our MPO partners utilize an evaluation process to consider the merits of each project. MPOs use established Transportation Evaluation Criteria to score projects, while MassDOT utilizes asset management systems and an evaluation system which was established in 2016. This evaluation system is multimodal and was an outcome of the Project Selection Advisory Council which was established by the Legislature. After evaluation, MPOs convene to choose projects for their respective regional TIPs. Stakeholders are encouraged to participate in the project prioritization process, as well as, community-based organizations and social service agencies, to ensure that the views and opinions of all transportation users are considered in the decision making process.

How does MassDOT involve the public?

Since the STIP is a compilation of regional TIPs – containing both state and regional projects – MassDOT utilizes the public outreach program of the MPOs to gain feedback and hear regional perspectives. Once the STIP is assembled, a draft version is published on MassDOT’s website: <https://www.mass.gov/service-details/state-transportation-improvement-program-stip> and MPOs are requested to inform their stakeholders of the opportunity to comment. The STIP webpage provides an option for members of the public to sign up for notifications of changes to the STIP, which is an important resource for the Commonwealth’s residents to remain informed and up to date on transportation projects throughout the Commonwealth. After the close of a 21-day comment period, MassDOT

summarizes and considers all comments received, and includes the comments received in the Appendix of the STIP.

How are projects added or removed from the STIP?

The STIP is a “living” document and is likely to be modified by individual MPOs during the course of the year. Modifications require formal MPO endorsement, including a public comment period for a TIP “amendment,” a process that can take up to twelve weeks. In some cases, however, the change can be accomplished through a TIP “adjustment,” with MPO member consensus. MPO staff advise on which procedure is needed based on each MPO’s bylaws. Once an adjustment or amendment occurs on a regional TIP, it is transmitted to MassDOT to adjust or amend the STIP. Following STIP modification, MassDOT requests approval from our federal partners. Should MassDOT need to amend the STIP for investments that do not appear on a regional TIP, a public comment period is commenced for twenty one days, and the amendment is posted to the MassDOT STIP webpage. To be notified about STIP amendments, please sign-up through the STIP webpage located at: <https://www.mass.gov/service-details/state-transportation-improvement-program-stip>

Federal Emphasis Areas

Performance-Based Planning

Performance-based planning refers to the process of tracking progress toward achieving critical transportation goals, including safety, the condition of both roadway and transit infrastructure, travel time reliability, and congestion, among others. The establishment of performance targets helps MassDOT make strategic decisions and identify the most crucial transportation needs in Massachusetts.

The transition to performance-based planning was established under MAP-21 and is continued under the current federal transportation authorization, “Fixing America’s Surface Transportation” (FAST Act). Since the passage of the FAST Act in 2015, the Federal Highway Administration (FHWA) has published several rules in the Federal Register related to the National Performance Management Measure Regulations, which assess the performance of federal funding programs and the planning process. Additionally, the Federal Transit Administration (FTA) has developed rules to establish a systematic process for tracking and improving both public transportation capital assets and transit safety. These rules establish a set of performance measures for state DOTs and Metropolitan Planning Organizations (MPOs) to adhere to.

MassDOT, through OTP and the Office of Performance Management and Innovation (OPMI), consistently works with a sub-committee of representatives from the Transportation Manager's Group (TMG) on the implementation of performance-based planning. The sub-committee facilitated the development and adoption of the Commonwealth's "Performance Based Planning and Programming Agreement" by and among MassDOT, the MPOs, TPOs and RTAs in the Commonwealth. The sub-committee coordination also facilitated MPO adoption of MassDOT's safety measures (PM1) in both February 2018 for the first round of target setting and again in February 2019.

Note: The Transportation Managers Group (TMG) includes representatives from each of the RPAs in the Commonwealth who convene regularly to discuss pertinent transportation planning topics. This meeting is attended by OTP, FHWA and FTA.

Sub-committee work also aided with the establishment of measures addressing pavement and bridge condition (PM2) and system performance targets (PM3), which were submitted as part of MassDOT's baseline federal reporting on October 1, 2018 and subsequently adopted by the MPOs by November 30, 2018. Subject matter experts within MassDOT specializing in safety (for PM1) and transportation asset management (for PM2) initiated the target setting process using federal guidance and available data. A more detailed description of how each measure was set is outlined in the sections below.

In addition to establishing Federal performance targets, MassDOT develops an annual performance management report entitled Tracker containing performance targets developed on the state level. The [2018 Tracker Report](#) summarizes MassDOT's performance for Fiscal Year 2018 (July 2017 through June 2018). Performance is reported by its four operational divisions: Highway, Aeronautics, Registry of Motor Vehicles, Rail & Transit, and the MBTA. MassDOT uses the

data and performance targets within this report to make strategic decisions and to size funding programs for the Capital Investment Plan (CIP).

The national performance goals for the Federal highway programs are as follows:



Safety

- To achieve a significant reduction in traffic fatalities and serious injuries on all public roads.



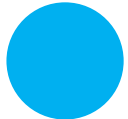
Infrastructure condition

- To maintain the highway infrastructure asset system in a state of good repair



Congestion reduction

- To achieve a significant reduction in congestion on the National Highway System



System reliability

- To improve the efficiency of the surface transportation system



Freight movement and economic vitality

- To improve the national freight network, strengthen the ability of rural communities to access national and international trade markets, and support regional economic development



Environmental sustainability

- To enhance the performance of the transportation system while protecting and enhancing the natural environment



Reduced project delivery delays

- To reduce project costs, promote jobs and the economy, and expedite the movement of people and goods by accelerating project completion by eliminating delays in the project development and delivery process, including reducing regulatory burdens and improving agencies' work practices

The Federal Highway Administration's (FHWA) Performance Measures (PM) established under MAP-21 and continued under the FAST Act are described below:

FHWA Performance Measures	Targets	Next Target Setting Deadline (MassDOT)
Safety (PM1)	-Serious Injuries/Fatalities by Calendar Year, (five year rolling averages and rates per 100m VMT)	<i>Established August 30, 2017</i> Updated February 27, 2019 Interval: Each Calendar Year
NHS Bridge and Pavement Condition (PM2)	-% pavement lane miles, % bridge deck in good and poor condition	<i>Established May 20, 2018</i> Mid-Performance Period Reporting Deadline:* October 1, 2020 Interval: 2 and 4 yrs.
CMAQ and Freight (PM3)	-truck travel time reliability (TTTR) and level of travel time reliability (LOTTR) -peak hour excessive delay (PHED) by Urbanized Zone Area (UZA) -% non SOV travel by UZA -air pollutant emissions	<i>Established May 20, 2018</i> Mid-Performance Period Reporting Deadline: October 1, 2020 Interval: 2 and 4 yrs.

*MassDOT may adjust PM2 and PM3 targets within the mid-performance period progress report due by October 1, 2020.

Safety Performance Measures (PM1)

In all safety categories, MassDOT has established a long-term target of “Toward Zero Deaths” consistent with FHWA goals and through MassDOT’s Performance Measures Tracker. MassDOT will be establishing safety targets for MPOs to consider for adoption each calendar year. While MPOs are not required by FHWA to report on annual safety performance targets, FHWA guidelines require MPOs to adopt MassDOT’s annual targets or perennially establish their own.

The safety measures that MassDOT established for calendar year (CY) 2019, and adopted by all thirteen (13) MPOs in February 2019, are as follows:

- 1) **Fatalities:** The target number of fatalities for CY 2019 is 353, down from an average of 364 fatalities for the years 2012–2016.
- 2) **Rate of Fatalities per 100 million VMT:** The target fatality rate for CY 2019 is 0.58, down from a 0.61 average for years 2012–2016.
- 3) **Serious Injuries:** The target number of incapacitating injuries for CY2019 is 2801, down from the average of 3146 for years 2012–2016.
- 4) **Rate of Serious Injuries per 100 million VMT:** The incapacitating injury rate target for CY2019 is 4.37 per year, down from the 5.24 average rate for years 2012–2016.
- 5) **Total Number of Combined Serious Injuries and Fatalities for Non-Motorized Modes:** The CY2019 target number of fatalities and incapacitating injuries for non-motorists is 541 per year, the same as the average for years 2012–2016.

In January 2019, MassDOT updated its [Strategic Highway Safety Plan](#), which provides a new framework for reducing fatalities and serious injuries on the state's surface transportation network and assists in identifying emphasis areas to address safety concerns.

Moving forward, MassDOT, along with the MPOs, is actively seeking to improve data collection and methodology for bicycle and pedestrian vehicle miles traveled (VMT) counts, and to continue analyzing crash clusters and counts that include both motorized and non-motorized modes in order to address safety issues at these locations. Part of the effort to mitigate safety concerns at conflict points included coordination with our regional partners on MassDOT's [Statewide Bicycle Plan](#) and [Statewide Pedestrian Plan](#), which will be finalized prior to STIP approval. The local and regional agencies in the Commonwealth are key partners in identifying safety needs and implementing recommendations outlined in each of these plans.

Safety Investments

MassDOT, the MPOs and our municipal partners have continued investing in "Complete Streets," bicycle and pedestrian, intersection and safety improvements in both the Capital Investment Plan (CIP) and Statewide Transportation Improvement Program (STIP) that address increasing mode share while incorporating safety mitigation elements into projects. In the FFY 2020-2024 STIP there is approximately \$178.7 million in Highway Safety Improvement Program (HSIP) investments that have been identified. Although a

portion of HSIP funding is programmed within MassDOT's Safety Improvements program, much of it is dispersed across the Intersection Improvements and Roadway Reconstruction programs as well. Additionally, the MPOs fund HSIP projects using regional target funding.

The table below displays the total amount of HSIP funding programmed within each year of the STIP. Consistent with federal guidance on using HSIP funding to advance the goal areas identified in PM1 within the Safety Performance Measures Final Rule, MassDOT is committed to using its obligation authority to meet the annual HSIP apportionment. It is important to note that the HSIP funding programmed exceeds the apportionment due to the availability of carryover funding.

<i>Year</i>	<i>Highway Safety Improvement Program (HSIP) Apportionment</i>	<i>HSIP Funding Programmed</i>
2020	\$35,367,782	\$34,754,120
2021	\$36,115,974	\$32,089,985
2022	\$36,878,795	\$21,622,104
2023	\$37,657,728	\$39,477,273
2024	\$38,453,113	\$50,757,149
Total	\$184,473,392	\$178,700,631

Highlighted HSIP projects, FFY 2020-2024

2020

- **608205 - Reading to Lynnfield: Guide and Traffic Sign Replacement on Interstate 95** (\$4,500,000)

This project involves replacing guide and traffic signs on Interstate 95 between Exit 38 in Reading and Exit 44 in Lynnfield, including signs on intersecting roads. To ensure driver safety, new signs will meet current retroreflectivity and design standards.

2021

- **608562 - Somerville: Signal and Intersection Improvements on I-93 at Mystic Avenue and McGrath Highway** (\$5,181,613)

This project involves traffic signal upgrades and safety improvements at the intersection of Route 28 and Route 38, which is a top 200 crash location.

2022

- **609090 - Boston, Milton, and Quincy: Highway Lighting System Replacement on Interstate 93, from Neponset Avenue to the Braintree Split** (\$9,568,000)

This project will replace an existing non-functional lighting system. The project will include new lighting poles, luminaires and foundations as well as new conduit runs and load centers

2023

- **606156 - Holyoke: Reconstruction of I-91 Interchange 17 & Route 41** (\$6,013,740)

Work will consist of traffic circulation modifications achieved through geometric alterations, traffic signal modifications, and new pavement markings.

2024

- **608563 - Swansea: Traffic Signal and Safety Improvements at Three Intersections on Route 6** (\$7,958,702)

Work on this project will consist of traffic signal upgrades, geometric improvements, improved bicycle and pedestrian accessibility, signs, and pavement markings to improve these three high crash locations.

Bridge & Pavement Performance Measures (PM2)

In May 2018, MassDOT adopted statewide targets for pavement and bridge condition. In setting these targets, MassDOT followed FHWA guidelines by measuring bridges and pavement condition using the 9-point National Bridge Inventory Standards (NBIS); the International Roughness Index (IRI); the presence of pavement rutting; and the presence of pavement cracking. Two-year and four-year targets were set for six individual performance measures: percent of bridges in good condition; percent of bridges in poor condition; percent of Interstate pavement in good condition; percent of Interstate pavement in poor condition; percent of non-Interstate pavement in good condition; and percent of non-Interstate pavement in poor condition. All of the above performance measures are tracked in greater detail in MassDOT's Transportation Asset Management Plan (TAMP), which is due to be finalized in July 2019.

Targets for bridge-related performance measures were determined by identifying which bridge projects are programmed and projecting at what rate bridge conditions deteriorate. The bridge-related performance measures focus on the percentage of deck area, rather than the total number of bridges.

Performance targets for pavement-related performance measures were based on a single year of data collection, and thus were set to remain constant under the guidance of FHWA. These measures will be revisited at the 2-year mark (2020) utilizing three years of data for more informed target setting.

MassDOT continues to measure pavement quality and to set statewide short-term and long-term targets in the MassDOT Performance Management Tracker using the Pavement Serviceability Index (PSI), which differs from IRI. These measures and targets are used in conjunction with federal measures to inform program sizing and project selection.

Performance Measure	Baseline (2017)	2 year target (2020)	4 year target (2022)
Bridges in good condition	15.22%	15%	16%
Bridges in poor condition	12.37%	13%	12%
Interstate Pavement in good condition	74.2%	70%	70%
Interstate Pavement in poor condition	0.1%	4%	4%
Non-Interstate Pavement in good condition	32.9%	30%	30%
Non-Interstate Pavement in poor condition	31.4%	30%	30%

Bridge and Pavement Investments

To maintain the existing transportation system and to contribute to achieving the targets identified above, MassDOT's Highway Division invests a significant amount of funding to improve the reliability and efficiency of the overall roadway network - mainly by improving bridge and pavement conditions. The tables below display the total amount of NHPP funding programmed (federal aid + match) within MassDOT's Interstate and non-Interstate Pavement Programs, and NHPP-on System funding programmed within MassDOT's Bridge Program in each year of the STIP.

<i>Year</i>	<i>NHPP - Interstate Pavement Program</i>	<i>NHPP – Non-Interstate Pavement Program</i>	<i>NHPP-On System – Bridge Program</i>
2020	\$41,630,400	\$81,378,630	\$162,390,282
2021	\$27,371,469	\$66,346,055	\$133,072,682
2022	\$25,518,586	\$63,957,810	\$136,767,570
2023	\$27,579,149	\$70,361,849	\$143,127,566
2024	\$27,905,999	\$70,360,520	\$156,208,482
Total	\$150,005,603	\$352,404,864	\$731,566,582

Reliability, Congestion, & Emissions Performance Measures (PM3)

Travel Time Reliability Performance Measures

PM3 contains two performance measures related to reliability: Level of Travel Time Reliability (LOTTR) and Truck Travel Time Reliability (TTTR). LOTTR is a reflection of the consistency or dependability of travel time on both Interstate and non-Interstate roadways and account for traffic incidents and unexpected delays. Per FHWA requirements, these measures are calculated through the ratio between the 80th percentile and the 50th percentile travel times along a given roadway segment at four time periods (morning peak, mid-day, evening peak, and weekend average). If the ratio between the 80th and 50th percentiles along a given segment is less than 1.50 at all four periods, that segment is “reliable” under the regulations. The LOTTR performance measure tracks the proportion of NHS segments, both Interstate and non-Interstate, that are reliable.

TTTR is similar to LOTTR, with the exceptions that 1) it is the ratio between the 95th and 50th percentile travel times, 2) applies only to the Interstate system, and 3) is reported as a single index statewide. FHWA requires TTTR to be measured separately from LOTTR to consider factors that are unique to the freight industry, such as the use of the system during all hours of the day and the need to factor in more extreme impacts to the system due to on-time arrival needs.

MassDOT followed FHWA regulations in measuring Level of Travel Time Reliability (LOTTR) on both the Interstate and non-Interstate NHS as well as Truck Travel Time Reliability (TTTR) on the Interstate system using the National Performance Management Research Dataset (NPMRDS) provided by FHWA. As this data set has but one year of consistent data, FHWA guidance has been to set conservative targets and to adjust future targets once more data becomes available. To that end, MassDOT's reliability performance targets are set to remain the same.

Measure	Baseline (2017)	2 year (2020)	4 year (2022)
Non-Interstate Level of Travel Time Reliability (LOTTR)	80%	80%	80%
Interstate LOTTR	68%	68%	68%
Truck Travel Time Reliability (TTTR)	1.85	1.85	1.85

Congestion Performance Measures

The two performance measures that FHWA classifies as considering congestion are peak hour excessive delay (PHED) and the percentage of non-single occupancy vehicle (SOV) travel. It is important to note that these measures are reported at the Urbanized Area (UZA) level for all UZAs with greater than 1 million inhabitants. For the Commonwealth, this measure currently only applies to the Boston UZA, which includes the Boston, Central Mass, Merrimack Valley,

Montachusett, Northern Middlesex, Old Colony and Southeastern Mass MPOs and extends into New Hampshire and Rhode Island. Collectively, the states and MPOs serving the Boston UZA must agree on a single UZA-wide target.

The PHED measure refers to the annual hours of excessive delay per capita. The threshold for excessive delay is based on travel time on the National Highway System (NHS) at a speed of 20 miles per hour or 60% of the posted speed limit travel time, whichever is greater, and it is measured in 15-minute intervals. Although FHWA requires the morning peak travel hours to be defined as 6:00 – 10:00 am EST for PHED, they provide state DOTs flexibility for reporting the afternoon travel hours. Consistent with reporting guidelines, MassDOT chose to use 3:00 to 7:00 pm EST as the afternoon travel hour range since it was determined that this range experiences the highest amount of delay on the NHS. There is no comparable historical data for this performance measure, so the two- and four-year targets have been set to the current level of PHED and will be reevaluated in two years.

Non-SOV travel is defined as the percentage of individuals within the Boston UZA who commute to work using a mode of transportation other than a single occupancy vehicle, including carpool, van, public transportation, commuter rail, walking, bicycling, and telecommuting. MassDOT chose to track this performance measure using the American Community Survey (ACS) Journey to Work data from the U.S. Census Bureau. For the Boston UZA, the proportion of commuting by non-SOV has been steadily increasing, and the adopted targets reflect a conservative acceleration of that increase.

Measure	Current (2017)	2 year (2020)	4 year (2022)
Peak Hour Excessive Delay (PHED) in the Boston UZA	18.31	18.31	18.31
% non-SOV Travel in the Boston UZA)	33.6% (2016)	34.82%	35.46%

Emissions Reductions

The emissions reductions performance measure requires MassDOT to assess the Congestion, Mitigation, and Air Quality (CMAQ) Program through measuring reductions in on-road mobile source emissions. Emission reductions targets are based on the 2- and 4-year totals of emissions reductions in kilograms per day in air quality maintenance or non-attainment areas funded via the CMAQ program. In the Commonwealth, these areas are the cities of Lowell, Springfield, Waltham, and Worcester, and the Town of Oak Bluffs.

Measure	Current (2017)	2 year (2020)	4 year (2022)
Emissions Reductions	Baseline (FFY 14–17)	1,622 CO 497.9 Ozone	TBD CO (Springfield) 1.1 Ozone

CMAQ Investments

Improving travel time reliability, reducing emissions, and limiting congestion all require multifaceted solutions that involve more than just capital investments in the transportation system. That said, within the FFY 2020 – 2024 STIP, MassDOT has identified a number of strategic investments funded with CMAQ to contribute to these goals. A number of these investments, which are all expected to increase non-SOV travel and substantially reduce emissions, thereby contributing to achieving PM3 goal areas, are highlighted within the graphic below. Additionally, the table below displays the total amount of CMAQ funding programmed within each year of the STIP. It is important to note that the amount programmed exceeds the apportionments due to carryover balances.

<i>Year</i>	<i>CMAQ Apportionment</i>	<i>CMAQ Funding Programmed</i>
2020	\$67,002,744	\$63,963,723
2021	\$68,417,938	\$90,380,626
2022	\$69,863,023	\$81,934,055
2023	\$71,338,630	\$68,017,741
2024	\$72,845,404	\$63,593,095
Total	\$349,467,739	\$367,889,240

Highlighted CMAQ projects, FFY 2020-2024

2020

- **609411 - Fitchburg / Leominster: Twin Cities Rail Trail Phase II (\$7,372,500)**
This trail will provide connections between the Leominster town center and the Fitchburg Intermodal facility. Phase I is currently programmed in FFY 2019.

2021

- **607570 - Lee: Bikeway Phase I (\$5,439,823)**
The Lee Bikeway, will be a 6.7 mile bikeway consisting of both on-road and off-road sections from the Stockbridge town line to the Lenox town line.

2022

- **608164 - Sudbury: Bruce Freeman Rail Trail Construction (\$8,834,137)**
This project involves construction of a 4.6 mile trail in Sudbury from the Concord Town line to Station Road. The proposed work includes improvements to two structures, as well as upgrades to several at-grade crossings.

2023

- **608943 - Boston: Neponset River Greenway Phase III (\$6,067,404)**
This project will develop a new 10'-wide multi-use pathway linking the Blue Hill Reservation to Mattapan Square all the way to Castle Island and the Boston Harborwalk.

2024

- **607349 - Wakefield / Lynnfield: Rail Trail Extension (\$11,080,749)**
This project extends from the Galvin Middle School in Wakefield north to the Lynnfield/Peabody Town Line, a distance of approximately 4.4 miles. The corridor is the southern section of the former Newburyport Railroad and will connect to Peabody and the regional Border to Boston Trail.

Transit Performance Measures

Transit Asset Management (TAM)

Transit Asset Management (TAM) is a performance-based planning approach that uses transit asset condition to guide the optimal prioritization of funding for public transportation capital assets. In line with provisions within the FAST Act, in 2016, FTA published the TAM Final Rule 49 USC 625 to help achieve a state of good repair (SGR) for public transit assets on a national basis. The following measures were established under the TAM Final Rule.

FTA Asset Categories	Performance Measures	Measure Type
Rolling Stock	The percentage of revenue vehicles (by type) that exceed the useful life benchmark (ULB)	Age-based
Equipment	The percentage of non-revenue service vehicles (by type) that exceed the ULB	Age-based
Facilities	The percentage of facilities (by group) that are rated less than 3.0 on the Transit Economic Requirements Model (TERM) Scale.	Condition-based
Infrastructure	The percentage of track segments (by mode) that have performance restrictions. Track segments are measured to the nearest 0.01 of a mile	Performance-based

Throughout 2018, MassDOT's Rail and Transit Division worked with Massachusetts' fifteen Regional Transit Authority (RTA) partners and the MBTA to incorporate these performance measures into Transit Asset Management (TAM) Plans. The RTAs utilized baseline levels from historical data and planned capital investments to set initial TAM targets. Fourteen out of fifteen RTAs have established their own TAM Plans, with one, the Franklin Regional Transit Authority, opting in to MassDOT's Tier II TAM Plan. The transit targets identified within these plans have been incorporated into their respective regions' Transportation Improvement Programs (TIPs). Performance measure target setting exercises are ongoing in coordination with MassDOT's Rail and Transit Division and MPO boards and will be revised based on projected capital investments.

Additionally, in December 2018, MassDOT's Rail & Transit Division completed its group TAM Plan, establishing targets for public transportation providers that own, operate, or manage a fleet of fewer than 100 vehicles (also known as Tier II providers). The following organizations are included in the MassDOT TAM Plan: Fall River Council on Aging; Franklin Regional Transit Authority; Kennedy Donovan Center, Inc.; Mashpee Wampanoag Tribe; Northeast Independent Living Center, Inc.; Sharon Council on Aging / Town of Sharon; Stoneham Council on Aging / Town of Stoneham; Town of Reading; and the Town of Swansea.

Elements of the TAM Plan include an inventory, condition assessment, and performance targets of capital assets (e.g. buses, vans, other vehicles, and facilities) for the participants of the plan. The table below summarizes the performance targets that were established within MassDOT's TAM Plan for Tier II providers.

Asset Category	Performance Measure	FTA Asset Class	2019 Target	2020 Target
Revenue Vehicles				
Age – Percentage of revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)		BU – Bus	10%	10%
		CU – Cutaway	35%	30%
		MB – Minibus	10%	10%
		VN – Van	10%	10%
Equipment				
Age – Percentage of vehicles that have met or exceed their Useful Life Benchmark (ULB)		Non-Revenue / Service Automobiles	100%	67%
		Trucks & Other Rubber Tire Vehicles	50%	25%
Facilities				
Condition – Percentage of facilities with a condition rating below 3.0 on the FTA Term Scale		Administrative / Passenger Facility	0%	0%
		Maintenance Facility	100%	100%

Transit Safety

In July 2018, FTA published the Public Transportation Agency Safety Plan (PTASP) Final Rule. This requires certain public transportation operators that receive federal funds under FTA's Urbanized Area Formula Grants to develop safety plans that include the processes and procedures to implement Safety Management Systems (SMS). The PTASP rule is effective July 19, 2019 and all applicable transit providers must have PTASPs in place by July 20, 2020.

MassDOT's Rail & Transit Division is responsible for developing PTASPs for all public transportation operators that operate fewer than 100 vehicles in peak revenue service, with the exception of public transportation operators that receive funding solely under Sections 5310 and/or 5311, which are exempt. However, public transportation operators with fewer than 100 vehicles in peak revenue service may opt out of the state-developed PTASP and develop their own plan if they choose to do so.

Each PTASP must include the performance measures and Safety Management System (SMS) elements listed in the table below. In addition, PTASPs are required to include the following: approval by public transportation agencies' accountable executive and board of directors; an employee reporting program; criteria to address all applicable requirements and standards set forth in FTA's Public Transportation Safety Program and the National Public Transportation Safety Plan (NSP); and a process and timeline for conducting an annual review and update of the safety plan.

PTASP Components	Specific Elements	Description
Performance Measures	Fatalities	<ul style="list-style-type: none"> • Total number of reportable fatalities • Rate per total vehicle revenue miles by mode
	Injuries	<ul style="list-style-type: none"> • Total number of reportable injuries • Rate per total vehicle revenue miles by mode
	Safety Events	<ul style="list-style-type: none"> • Total number of reportable events • Rate per total vehicle revenue miles by mode
	System Reliability (State of Good Repair)	<ul style="list-style-type: none"> • Mean distance between major mechanical failures by mode
Safety Management System (SMS)	Safety Management Policy	<ul style="list-style-type: none"> • Safety objectives • Confidential employee reporting program • Organization accountabilities • Designation of a Chief Safety Officer
	Safety Risk Management	<ul style="list-style-type: none"> • Processes for hazard identification • Risk assignment • Mitigation development
	Safety Assurance	<ul style="list-style-type: none"> • Safety performance reporting and measurement (all operators) • Management of change (rail and large bus operators only) • Continuous improvement (rail and large bus operators only)
	Safety Promotion	<ul style="list-style-type: none"> • Comprehensive safety training program • Safety communication

Models of Regional Planning Cooperation for Performance-Based Planning

MassDOT collaborates with our MPO partners and RTAs throughout the year, but most intensively through Massachusetts Association of Regional Planning Agencies (MARPA), including the Transportation Managers' Group (TMG) and the Massachusetts Association of Regional Transit Authorities (MARTA).

This collaboration has been formalized through the Performance-Based Planning and Programming Agreement endorsed by MassDOT, the MBTA, and all MPOs, TPOs, and RTAs across the Commonwealth, as required under 23 CFR 450.314(h). This agreement, officially endorsed by all parties in May of 2019, establishes mutual responsibilities in carrying out performance-based planning in the following areas: developing and sharing performance management data, selection of performance targets, reporting of performance targets, and progress toward achieving targets.

Ladders of Opportunity

USDOT understands that transportation plays a critical role in building connections between individuals and economic opportunity. USDOT seeks to ensure that our national transportation system provides reliable, safe, and affordable ways to reach jobs, education, and other essential services. USDOT emphasizes the point that choices made regarding transportation infrastructure at the Federal, State, and local levels can revitalize communities, create pathways to work, and connect hardworking Americans to a better quality of life.

Public participation in STIP development

Over the course of the past year, the MPOs have held, or been a part of, many public meetings to discuss the development of their respective TIPs across the Commonwealth. These meetings provide an opportunity for members of the public, elected officials, and other stakeholders to weigh-in on regional priorities for transportation investments. Meetings took the form of advisory committee meetings, MPO meetings, participation in community events and festivals, and visioning workshops at local libraries. This extensive effort to include public input into TIP development at the regional level ensures that the Massachusetts' STIP (a compilation of the TIPs) is an improvement program that is informed by the priorities of regional partners, of communities, and of the public at large. Members of the public are encouraged to participate in the selection and programming of projects. Information about the TIP development process, schedule of workshops, and meetings are available on each of the MPO's websites, which can be accessed here: <https://www.mass.gov/service-details/regional-planning> Each of the MPOs utilizes their approved Public Participation Plan (PPP) to facilitate and guide participation at the regional level. PPPs document the process by which the MPOs conduct outreach, identify opportunities to engage the public in the transportation planning process, and outline procedures for the MPO to follow, such as notifications and comment periods. Each region has a public involvement strategy unique to their regional needs, priorities, and demographics. Title VI of the Civil Rights Act,

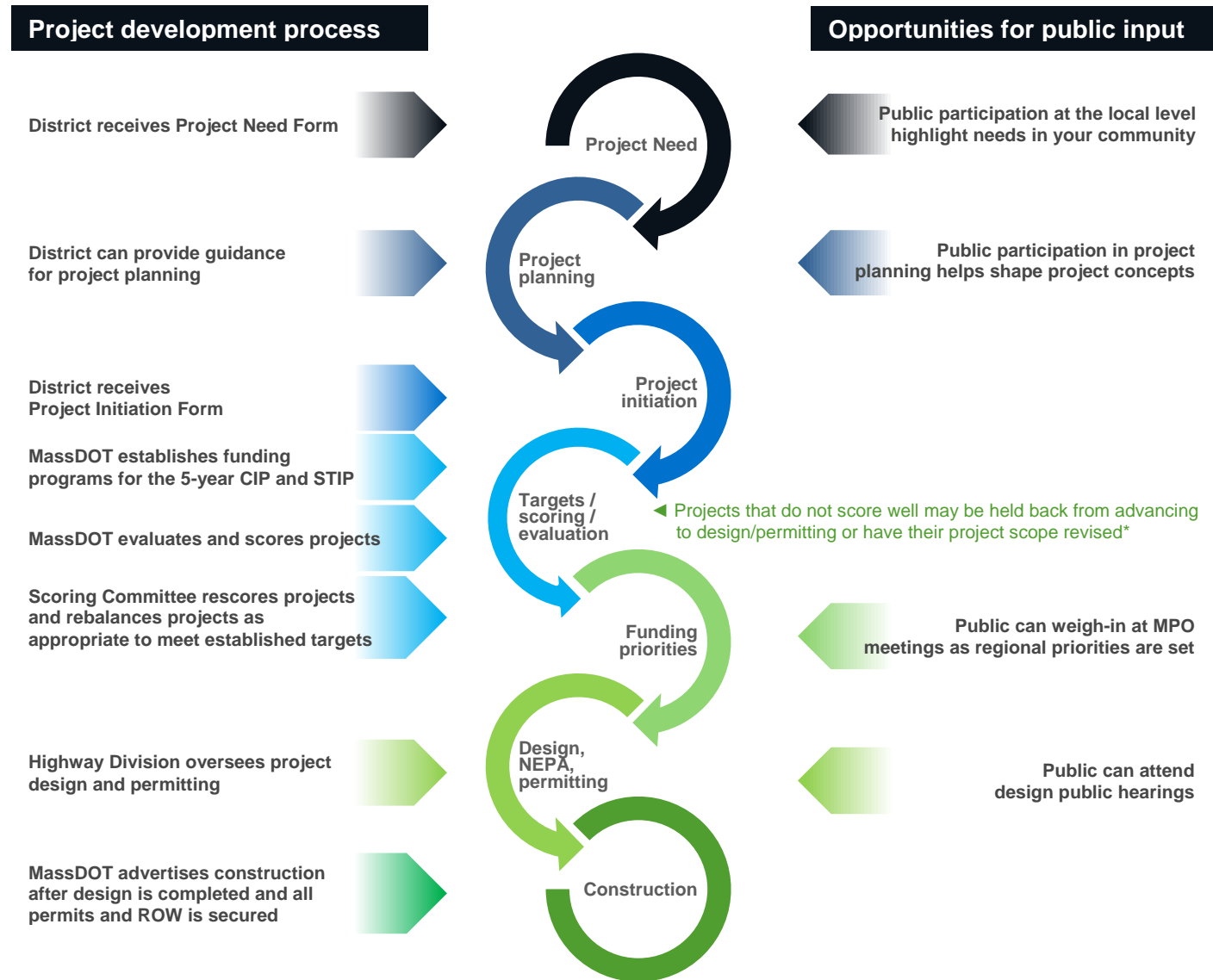
Environmental Justice, and the Americans with Disabilities Act are incorporated into the public involvement strategies, ensuring full accessibility to all members of the public. Enhanced consideration is paid to those who have historically been excluded from, or faced barriers to participating in, the transportation planning process.

MassDOT project development process

The project development process also includes opportunities for public engagement. Communities will formulate a project concept based on need, and before presenting the concept to MassDOT, are expected to engage residents and businesses to further refine the need for and goals of the project. The project is then presented to MassDOT for formal acceptance into the [MassDOT Highway Division Project Development Process](#). Projects then proceed to design, where there are additional opportunities for the public to weigh-in at design public hearings.

Transit investments prioritized in this STIP are identified by the MBTA and RTAs in collaboration with local communities and MPOs utilizing their established planning processes. For RTAs, the MPO public participation process is utilized as their engagement mechanism.

Figure 4 - Project development milestones and opportunities to participate



* The targets/scoring/evaluation step was one of the recommendations of the Project Selection Advisory Council which was created by the General Court to assist MassDOT in creating uniform project selection criteria for transportation investments.

What is the role of advisory committees?

These committees advise the MPOs on transportation issues and play an active role in setting regional priorities in the TIP development process. The names of these groups vary among MPOs. Examples are: Joint Transportation Committee, Transportation Planning Advisory Group, Joint Transportation Planning Group. OTP is an active, though non-voting, member of these committees as they advise each MPO on regional priorities.

How does MassDOT work towards transportation equity?

Title VI and Environmental Justice

Title VI of the Civil Rights Act of 1964 (Title VI) states that “no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.” MassDOT’s programs, services, and activities, including those related to project planning and development, comply with Title VI. In the context of STIP development, Title VI related activities include, but are not limited to: promoting public participation in the planning and design of transportation projects, removing barriers to participation, and working to avoid disparities in the distribution of transportation investments and the impacts created thereby. The integration of federal and state nondiscrimination obligations and principles into MassDOT’s work is framed in the Title VI/Nondiscrimination Program(s) under which the agency operates. These programs can be found online on the MassDOT Office of Diversity and

Civil Rights (ODCR) webpage at <https://www.mass.gov/topics/diversity-civil-rights-in-transportation>.

The regional planning organizations and municipalities involved in transportation planning and project development activities also operate all programs, services, and activities in compliance with Title VI/Nondiscrimination obligations. This means that the local and regional efforts to promote and advance transportation initiatives and projects are developed and assessed in a manner mindful of Title VI/Nondiscrimination principles.

Additionally, MassDOT incorporates Environmental Justice (EJ) principles into project development activities that inform the development of the STIP. EJ analyses strive to quantify the impacts that low-income and minority individuals and communities face given the programs and policies advanced by an agency or organization. Disproportionately high adverse impacts on these populations may require active steps to minimize or mitigate those impacts. The transportation projects within the STIP have been analyzed according to these principles and the distribution of the universe of programmed projects and the specific elements of individual projects are designed to comply with EJ principles.

The Americans with Disabilities Act

Under Title II of the Americans with Disabilities Act (ADA), MassDOT's programs, services, activities, and facilities must be accessible to people with disabilities. In the STIP context, this accessibility obligation includes the transportation projects and plans reflected in the document and the public engagement processes, both

regionally and statewide, related to these efforts. This means that public meetings must be held in accessible locations and materials must be made available in accessible formats. Any accessibility related requests can be directed to the point of contact identified in the Title VI Notice to Beneficiaries on page 4 of this document.

Operating and maintaining the transportation system

MassDOT, the MBTA and our regional transit partners strive to operate and maintain the existing transportation system we have. The 2020-2024 Capital Investment Plan (CIP) update contains a portfolio of strategic investments organized into three priority areas of descending importance: system reliability, modernization, and capacity expansion. These priorities form the foundation of the statewide CIP as well as the STIP. While the CIP identifies all of the sources and uses of transportation funding programmed, the STIP specifically programs funding for federally-aided highway and transit projects that align with and promote the priorities outlined in the CIP.

MassDOT Highway Division capital investments total over \$7.1 billion and a significant portion is allocated to improve the reliability and efficiency of the overall roadway network - mainly by improving bridge and pavement conditions. The FY 20-24 CIP increases investments in the Interstate and Non-Interstate pavement programs to \$1.2 billion.

Bridges across the state also need attention. While the Accelerated Bridge Program has been able to complete critically important, high-cost mega-projects, the FY 20-24 CIP calls for \$2.1 billion for ongoing bridge repair and replacement. If extended for a full decade, this level of investment would reduce the proportion of Massachusetts bridges that are structurally deficient. Additionally, the CIP funds a Municipal Bridge Program with \$56.2 million for smaller, municipally

owned bridges which, while ineligible for federal funding and chronically difficult to fund, are crucial for mobility and economic activity in smaller communities.

Updated five-year capital investments for the MBTA emphasize improved reliability as well as modernization and targeted growth of the transportation network, with an annual spending of approximately \$1.5 billion in state fiscal year 20 and close to \$8.2 billion over the next five state fiscal years (FY20–FY 24). The programmed investments support the MBTA’s strategic plan goals of accelerating state of good repair (SGR) investment; executing major modernization projects such as the red line/orange line improvement program (including new red/orange line vehicles, signal systems, and supporting facilities and infrastructure) and the commuter rail safety and resiliency program (including positive train control – PTC) and including targeted investments in expansion of the system with the extension of rail service to the south coast through the funding of Phase 1 of the South Coast Rail program.

Within the Reliability priority, \$1.1 billion over five years is designated for the revenue vehicle program, which includes vehicle procurement and overhaul programs for bus, heavy rail, light rail, and commuter rail locomotives and coaches to address near term needs identified in the MBTA’s Integrated Fleet and Facilities Plan (IFFP). More than \$760 million is programmed for track, signal, and power projects on the transit and the commuter rail systems. Reliability investments also include \$747 million for upgrades to stations and facilities, including, Harvard Square busway, Hynes station, Wollaston station, parking garages on the Red Line, and the Ruggles commuter rail station. The

MBTA's \$507 million bridge program includes \$66 million for the Gloucester drawbridge and \$59 million for the North Station "Draw 1" bridge.

In addition, the capital plan includes funding for Modernization projects such as Automated Fare Collection (AFC) 2.0, accessibility improvements, occupational health and safety investments, green line train protection, and targeted expansion investments such as the Green Line Extension (GLX) and planning and design efforts for the "next priorities" identified in Focus40.

MassDOT will continue to provide the Commonwealth's 15 Regional Transit Authorities with an aggregate total of \$20-35 million annually in capital assistance to further enhance their reliability of service. The CIP calls for \$61 million for vehicle replacement, \$96 million for facility and system modernization, \$8.7 million for facility and vehicle maintenance and \$35.5 million for replacement facilities. Through the Mobility Assistance program, MassDOT provides an additional \$50.2 million in state and federal funds to help communities purchase vehicles and transport senior citizens and customers with disabilities.

Chapter 90

The Chapter 90 program entitles municipalities to receive reimbursement for capital improvement projects for highway construction, preservation, and improvements that create or extend the life of capital facilities. The funds can be used for maintaining, repairing, improving, or constructing town and county ways and bridges that qualify under the State Aid Highway Guidelines. Items eligible for Chapter 90 funding include roadways, sidewalks, right-of-way acquisition,

shoulders, landscaping and tree planting, roadside drainage, street lighting, and traffic control devices. Each municipality in Massachusetts is granted an annual allocation of Chapter 90 reimbursement funding that it is eligible for, and the municipality can choose among any eligible infrastructure investments. There is currently \$1.0 billion forecasted for Chapter 90 over the next five state fiscal years in MassDOT's CIP.

Fiscal constraint

What is fiscal constraint and year of expenditure?

Each year, MassDOT demonstrates and certifies that the STIP is in fiscal constraint by taking the beginning balances (previously unspent federal-aid); adding the estimated annual apportionments (additional funding provided by Congress annually), and subtracting the projected annual obligations (the investments identified in the STIP). The STIP is then found to be fiscally constrained in two ways: first, is that our investments do not exceed the annual STIP obligational authority (OA); second is that a zero or positive balance is maintained for each funding type (CMAQ, NHPP, STBG, etc.) for each year. OA is defined as the total amount of federal funds that may be obligated in a given fiscal year. While the STIP is initially not fully programmed to the estimated OA, MassDOT fully obligates available funding provided by our FHWA partners through project value changes, awards and adjustments by the end of the FFY.

Year of Expenditure (YOE) is a mechanism to ensure that inflation is considered in project cost estimates. For each year after 2020, a four percent inflation factor is applied to project cost estimates.

FAST Act Rescission

Pursuant to §1438 of the FAST Act, certain unobligated balances at the close of FFY 2019 are subject to rescission by USDOT. For Massachusetts, an estimated rescission rate of 92% of unobligated balances has been applied to the following

funding sources: NHPP; NFP; STBG (Flex); STBG Bridge-Off System; TAP (Flex); TAP (Non-Flex); CMAQ; and Statewide Planning and Research (SPR) funds. Given that unobligated balances will continue to change until 9/30/2019, the rescission amounts shown in the subsequent fiscal constraint tables are for planning purposes only. Actual rescission amounts by funding source may be higher or lower than the estimated amounts, and will be adjusted accordingly in FFY 2020.

NHPP-On System bridge program requirements

MassDOT is required to budget an obligation authority minimum of \$94,900,000 in the NHPP-On System bridge program. The following depicts the amount programmed per FFY to meet this FHWA requirement:

FFY	Total funding programmed:	Budget requirement (minimum)
2020	\$129,912,225	\$94,900,000
2021	\$106,458,146	\$94,900,000
2022	\$109,414,054	\$94,900,000
2023	\$114,502,051	\$94,900,000
2024	\$124,966,785	\$94,900,000

MassDOT Fiscal Constraint Analysis for FFY 2020 - 2024
Estimated Final STIP

Federal Fiscal Year 2020				2019-2023 STIP, 92% Rescission		
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE MINUS ESTIMATED RESCISSION	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING
NATIONAL HIGHWAY PERFORMANCE	\$338,047,253	\$25,599	\$35,500,000	\$373,572,852	\$358,145,609	\$15,427,243
NATIONAL HIGHWAY FREIGHT PROGRAM	\$22,458,721	\$1,443,987	(\$11,000,000)	\$12,902,708	\$2,021,285	\$10,881,423
STBG FLEX	\$44,833,386	\$4,607	\$0	\$44,837,993	\$27,833,937	\$17,004,056
BRIDGE-OFF SYSTEM	\$28,456,838	\$5,969,143		\$34,425,981	\$28,826,995	\$5,598,986
STBG NON-FLEX	\$89,454,723	\$20,684,940		\$110,139,663	\$110,136,000	\$3,663
-BOSTON URBAN AREA	\$55,846,914	\$1,848,192		\$57,695,106	\$57,695,000	\$106
-BARNSTABLE URBAN AREA	\$3,370,385	\$2,869,807		\$6,240,192	\$6,240,000	\$192
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$7,262,652	\$6,287,147		\$13,549,799	\$13,549,000	\$799
-WORCESTER URBAN AREA	\$6,196,962	\$5,433,869		\$11,630,831	\$11,630,000	\$831
-PROVIDENCE, PAWTUCKET	\$3,555,931	\$4,245,925		\$7,801,856	\$7,801,000	\$856
-OTHER AREAS (RURAL & SMALL URBAN)	\$13,221,879	\$0		\$13,221,879	\$13,221,000	\$879
RECREATIONAL TRAILS	\$1,186,729	\$0		\$1,186,729	\$1,186,729	\$0
TAP FLEX	\$5,483,782	\$152,400	(\$1,000,000)	\$4,636,182	\$3,817,117	\$819,065
TAP NON-FLEX	\$5,626,871	\$650,737		\$6,277,608	\$6,056,000	\$221,608
-BOSTON URBAN AREA	\$3,423,546	\$276,994		\$3,700,539	\$3,700,000	\$539
-BARNSTABLE URBAN AREA	\$206,613	\$54,440		\$261,052	\$261,000	\$52
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$445,217	\$0		\$445,217	\$445,000	\$217
-WORCESTER URBAN AREA	\$379,888	\$35,969		\$415,857	\$415,000	\$857
-PROVIDENCE, PAWTUCKET	\$217,987	\$17,439		\$235,426	\$235,000	\$426
-OTHER AREAS (RURAL & SMALL URBAN)	\$810,531	\$309,899		\$1,120,430	\$1,000,000	\$120,430
HWY SAFETY IMPROVEMENT PGM.	\$35,367,782	\$35,509,376	(\$17,500,000)	\$53,377,157	\$33,787,421	\$19,589,736
HSIP - High Risk Rural	\$0	\$4,431,502		\$4,431,502	\$0	\$4,431,502
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	\$1,346,508	\$4,148,746	\$0	\$5,495,253	\$1,000,000	\$4,495,253
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	\$1,346,508	\$2,089,743	\$0	\$3,436,250	\$1,000,000	\$2,436,250
CMAQ	\$67,002,744	\$31,798	(\$6,000,000)	\$61,034,543	\$54,036,350	\$6,998,193
PLANNING	\$22,707,173	\$2,494,187	\$0	\$25,201,360	\$24,035,573	\$1,165,787
FEDERAL AID SUB-TOTAL:	\$663,319,015	\$77,636,765	\$0	\$740,955,780	\$651,883,016	\$89,072,764
Estimated Obligation Authority					\$676,330,019	

Federal Fiscal Year 2020				2019-2023 STIP, 92% Rescission		
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE MINUS ESTIMATED RESCISSION	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING
EARMARKS	\$0	\$35,541,730		\$35,541,730	\$462,504	\$35,079,226
HIP FLEX	\$0	\$33,843,847		\$33,843,847	\$0	\$33,843,847
HIP NON-FLEX OVER 200K	\$0	\$32,442,047		\$32,442,047	\$2,706,193	\$29,735,854
-BOSTON URBAN AREA	\$0	\$24,388,159		\$24,388,159	\$0	\$24,388,159
-BARNSTABLE URBAN AREA	\$0	\$579,596		\$579,596	\$0	\$579,596
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$0	\$3,171,575		\$3,171,575	\$0	\$3,171,575
-WORCESTER URBAN AREA	\$0	\$2,706,193		\$2,706,193	\$2,706,193	\$0
-PROVIDENCE, PAWTUCKET	\$0	\$1,552,864		\$1,552,864	\$0	\$1,552,864
-OTHER AREAS (RURAL & SMALL URBAN)	\$0	\$43,660		\$43,660	\$0	\$43,660
HIP NON-FLEX 5K-200K		\$0		\$0	\$0	\$0
HIP NON-FLEX UNDER 5K	\$0	\$3,182,160		\$3,182,160	\$0	\$3,182,160
HIP BRIDGE		\$34,067,970		\$34,067,970	\$0	\$34,067,970
NHPP-EXEMPT	\$9,286,246	(\$0)		\$9,286,246	\$0	\$9,286,246
MISCELLANEOUS / ALLOCATED FUNDS	\$344,611	\$19,864,779		\$20,209,390	\$0	\$20,209,390
FEDERAL AID TOTAL >	\$672,949,872	\$199,329,167	\$0	\$872,279,040	\$655,051,713	\$217,227,327
STATE MATCH FOR FEDERAL AID					\$132,011,495	
NON-FEDERAL AID + FEDERAL AID TOTAL >					\$787,063,208	

Federal Fiscal Year 2021						
2019-2024 STIP 92% Revision						
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING
NATIONAL HIGHWAY PERFORMANCE	\$345,383,434	\$15,427,243	\$29,000,000	\$389,810,677	\$364,005,511	\$25,805,166
NATIONAL HIGHWAY FREIGHT PROGRAM	\$22,933,081	\$10,881,423	(\$11,000,000)	\$22,814,504	\$10,021,285	\$12,793,219
STBG FLEX	\$47,805,652	\$17,004,056	\$0	\$64,809,707	\$34,464,386	\$30,345,321
BRIDGE-OFF SYSTEM	\$28,456,838	\$5,598,986		\$34,055,824	\$28,131,473	\$5,924,351
STBG NON-FLEX	\$89,525,531	\$3,663		\$89,529,194	\$89,455,900	\$73,294
-BOSTON URBAN AREA	\$55,891,120	\$106		\$55,891,226	\$55,847,000	\$44,226
-BARNSTABLE URBAN AREA	\$3,373,053	\$192		\$3,373,245	\$3,370,000	\$3,245
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$7,268,400	\$799		\$7,269,199	\$7,263,100	\$6,099
-WORCESTER URBAN AREA	\$6,201,868	\$831		\$6,202,699	\$6,197,100	\$5,599
-PROVIDENCE, PAWTUCKET	\$3,558,746	\$856		\$3,559,602	\$3,556,200	\$3,402
-OTHER AREAS (RURAL & SMALL URBAN)	\$13,232,344	\$879		\$13,233,223	\$13,222,500	\$10,723
RECREATIONAL TRAILS	\$1,186,729	\$0		\$1,186,729	\$1,186,729	\$0
TAP FLEX	\$5,758,251	\$819,065	(\$500,000)	\$6,077,316	\$4,813,263	\$1,264,053
TAP NON-FLEX	\$5,758,251	\$221,608		\$5,979,860	\$4,673,200	\$1,306,660
-BOSTON URBAN AREA	\$3,594,898	\$539		\$3,595,437	\$3,424,000	\$171,437
-BARNSTABLE URBAN AREA	\$216,954	\$52		\$217,006	\$206,100	\$10,906
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$467,501	\$217		\$467,718	\$445,000	\$22,718
-WORCESTER URBAN AREA	\$398,902	\$857		\$399,759	\$380,100	\$19,659
-PROVIDENCE, PAWTUCKET	\$228,897	\$426		\$229,323	\$218,000	\$11,323
-OTHER AREAS (RURAL & SMALL URBAN)	\$851,100	\$120,430		\$971,530	\$0	\$971,530
HWY SAFETY IMPROVEMENT PGM.	\$36,115,974	\$19,589,736	(\$17,500,000)	\$38,205,710	\$30,631,933	\$7,573,777
HSIP - High Risk Rural	\$0	\$4,431,502		\$4,431,502	\$0	\$4,431,502
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	\$1,374,349	\$4,495,253	\$0	\$5,869,602	\$1,000,000	\$4,869,602
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	\$1,374,349	\$2,436,250	\$0	\$3,810,599	\$1,000,000	\$2,810,599
CMAQ	\$68,417,938	\$6,998,193	\$0	\$75,416,131	\$73,159,634	\$2,256,497
PLANNING	\$23,435,025	\$1,165,787	\$0	\$24,600,812	\$24,035,573	\$565,239
FEDERAL AID SUB-TOTAL:	\$677,525,402	\$89,072,764	\$0	\$766,598,166	\$666,578,887	\$100,019,279

Estimated Obligation Authority	\$691,988,270
--------------------------------	---------------

Federal Fiscal Year 2021							2019-2023 STIP 92% Reversion
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	
EARMARKS	\$0	\$35,079,226		\$35,079,226	\$1,221,800	\$33,857,426	
HIP FLEX	\$0	\$33,843,847		\$33,843,847	\$33,843,847	\$0	
HIP NON-FLEX OVER 200K	\$0	\$29,735,854		\$29,735,854	\$24,388,159	\$5,347,695	
-BOSTON URBAN AREA	\$0	\$24,388,159		\$24,388,159	\$24,388,159	\$0	
-BARNSTABLE URBAN AREA	\$0	\$579,596		\$579,596	\$0	\$579,596	
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$0	\$3,171,575		\$3,171,575	\$0	\$3,171,575	
-WORCESTER URBAN AREA	\$0	\$0		\$0	\$0	\$0	
-PROVIDENCE, PAWTUCKET	\$0	\$1,552,864		\$1,552,864	\$0	\$1,552,864	
-OTHER AREAS (RURAL & SMALL URBAN)	\$0	\$43,660		\$43,660	\$0	\$43,660	
HIP NON-FLEX 5K-200K		\$0		\$0	\$0	\$0	
HIP NON-FLEX UNDER 5K	\$0	\$3,182,160		\$3,182,160	\$0	\$3,182,160	
HIP BRIDGE		\$34,067,970		\$34,067,970	\$34,067,970	\$0	
NHPP-EXEMPT	\$9,286,246	\$9,286,246		\$18,572,492	\$0	\$18,572,492	
MISCELLANEOUS / ALLOCATED FUNDS	\$344,611	\$20,209,390		\$20,554,001	\$0	\$20,554,001	
FEDERAL AID TOTAL >	\$687,156,259	\$217,227,327	\$0	\$904,383,586	\$760,100,663	\$178,350,893	
STATE MATCH FOR FEDERAL AID					\$159,525,392		
NON-FEDERAL AID + FEDERAL AID TOTAL >					\$919,626,055		
NOTES: MISCELLANEOUS / OTHER / UNDETERMINED Apportionment Includes estimated NHPP Exempt.							

Federal Fiscal Year 2022

2019-2023 STIP: 0.2% Reduction

	I	II	III	IV	V	VI
FUNDING CATEGORY	ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	ESTIMATED CARRYOVER BALANCE	ANTICIPATED TRANSFER OF FUNDS	TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	PROGRAMMED OBLIGATIONS	ESTIMATED BALANCE REMAINING
NATIONAL HIGHWAY PERFORMANCE	\$352,874,566	\$25,805,166	\$16,000,000	\$394,679,731	\$335,565,850	\$59,113,881
NATIONAL HIGHWAY FREIGHT PROGRAM	\$23,417,461	\$12,793,219	\$0	\$36,210,679	\$32,021,285	\$4,189,394
STBG FLEX	\$49,416,425	\$30,345,321	\$2,000,000	\$81,761,746	\$68,757,759	\$13,003,987
BRIDGE-OFF SYSTEM	\$28,456,838	\$5,924,351	\$0	\$34,381,189	\$32,463,482	\$1,917,707
STBG NON-FLEX	\$91,416,439	\$73,294		\$91,489,733	\$89,451,650	\$2,038,083
-BOSTON URBAN AREA	\$57,071,621	\$44,226		\$57,115,847	\$55,846,100	\$1,269,747
-BARNSTABLE URBAN AREA	\$3,444,297	\$3,245		\$3,447,542	\$3,370,200	\$77,342
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$7,421,919	\$6,099		\$7,428,018	\$7,262,100	\$165,918
-WORCESTER URBAN AREA	\$6,332,860	\$5,599		\$6,338,458	\$6,197,250	\$141,208
-PROVIDENCE, PAWTUCKET	\$3,633,912	\$3,402		\$3,637,314	\$3,556,000	\$81,314
-OTHER AREAS (RURAL & SMALL URBAN)	\$13,511,830	\$10,723		\$13,522,554	\$13,220,000	\$302,554
RECREATIONAL TRAILS	\$1,186,729	\$0		\$1,186,729	\$1,186,729	\$0
TAP FLEX	\$5,892,407	\$1,264,053	\$0	\$7,156,460	\$6,382,439	\$774,021
TAP NON-FLEX	\$5,892,407	\$1,306,660		\$7,199,066	\$6,173,100	\$1,025,966
-BOSTON URBAN AREA	\$3,678,651	\$171,437		\$3,850,088	\$3,423,000	\$427,088
-BARNSTABLE URBAN AREA	\$222,008	\$10,906		\$232,914	\$207,000	\$25,914
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$478,393	\$22,718		\$501,111	\$445,100	\$56,011
-WORCESTER URBAN AREA	\$408,196	\$19,659		\$427,855	\$380,000	\$47,855
-PROVIDENCE, PAWTUCKET	\$234,230	\$11,323		\$245,553	\$218,000	\$27,553
-OTHER AREAS (RURAL & SMALL URBAN)	\$870,929	\$971,530		\$1,842,459	\$1,500,000	\$342,459
HWY SAFETY IMPROVEMENT PGM.	\$36,878,795	\$7,573,777	(\$17,000,000)	\$27,452,572	\$21,800,593	\$5,651,979
HSIP - High Risk Rural	\$0	\$4,431,502		\$4,431,502	\$0	\$4,431,502
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	\$1,403,377	\$4,869,602	\$0	\$6,272,979	\$1,000,000	\$5,272,979
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	\$1,403,377	\$2,810,599	\$0	\$4,213,976	\$1,000,000	\$3,213,976
CMAQ	\$69,863,023	\$2,256,497	(\$1,000,000)	\$71,119,520	\$66,682,572	\$4,436,948
PLANNING	\$23,930,007	\$565,239	\$0	\$24,495,246	\$24,035,573	\$459,673
FEDERAL AID SUB-TOTAL:	\$692,031,849	\$100,019,279	\$0	\$792,051,128	\$686,521,032	\$105,530,096

Estimated Obligation Authority	\$708,740,000
--------------------------------	---------------

Federal Fiscal Year 2022						
2019-2023 STIP: 92% Reversible						
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING
EARMARKS	\$0	\$33,857,426		\$33,857,426	\$17,537,076	\$16,320,350
HIP FLEX	\$0	\$0		\$0	\$0	\$0
HIP NON-FLEX OVER 200K	\$0	\$5,347,695		\$5,347,695	\$0	\$5,347,695
-BOSTON URBAN AREA	\$0	\$0		\$0	\$0	\$0
-BARNSTABLE URBAN AREA	\$0	\$579,596		\$579,596	\$0	\$579,596
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$0	\$3,171,575		\$3,171,575	\$0	\$3,171,575
-WORCESTER URBAN AREA	\$0	\$0		\$0	\$0	\$0
-PROVIDENCE, PAWTUCKET	\$0	\$1,552,864		\$1,552,864	\$0	\$1,552,864
-OTHER AREAS (RURAL & SMALL URBAN)	\$0	\$43,660		\$43,660	\$0	\$43,660
HIP NON-FLEX 5K-200K				\$0	\$0	\$0
HIP NON-FLEX UNDER 5K	\$0	\$3,182,160		\$3,182,160	\$0	\$3,182,160
HIP BRIDGE		\$0		\$0	\$0	\$0
NHPP-EXEMPT	\$9,286,246	\$18,572,492		\$27,858,738	\$27,858,738	\$0
MISCELLANEOUS / ALLOCATED FUNDS	\$344,611	\$20,554,001		\$20,898,612	\$0	\$20,898,612
FEDERAL AID TOTAL >	\$701,662,706	\$178,350,893	\$0	\$880,013,599	\$731,916,846	\$148,096,753
STATE MATCH FOR FEDERAL AID					\$153,780,000	
NON-FEDERAL AID + FEDERAL AID TOTAL >					\$885,696,846	

Federal Fiscal Year 2023						
2019-2023 STIP: 92% Repeal						
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING
NATIONAL HIGHWAY PERFORMANCE	\$360,523,922	\$59,113,881	\$0	\$419,637,803	\$374,996,141	\$44,641,662
NATIONAL HIGHWAY FREIGHT PROGRAM	\$23,912,071	\$4,189,394	\$1,800,000	\$29,901,466	\$26,021,285	\$3,880,181
STBG FLEX	\$51,061,220	\$13,003,987	\$16,200,000	\$80,265,207	\$66,063,128	\$14,202,079
BRIDGE-OFF SYSTEM	\$28,456,838	\$1,917,707	\$0	\$30,374,545	\$29,467,055	\$907,490
STBG NON-FLEX	\$93,347,285	\$2,038,083		\$95,385,369	\$89,458,400	\$5,926,969
-BOSTON URBAN AREA	\$58,277,055	\$1,269,747		\$59,546,803	\$55,847,100	\$3,699,703
-BARNSTABLE URBAN AREA	\$3,517,045	\$77,342		\$3,594,387	\$3,371,000	\$223,387
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$7,578,681	\$165,918		\$7,744,599	\$7,263,100	\$481,499
-WORCESTER URBAN AREA	\$6,466,619	\$141,208		\$6,607,827	\$6,197,100	\$410,727
-PROVIDENCE, PAWTUCKET	\$3,710,665	\$81,314		\$3,791,979	\$3,556,100	\$235,879
-OTHER AREAS (RURAL & SMALL URBAN)	\$13,797,220	\$302,554		\$14,099,773	\$13,224,000	\$875,773
RECREATIONAL TRAILS	\$1,186,729	\$0		\$1,186,729	\$1,186,729	\$0
TAP FLEX	\$6,029,395	\$774,021	(\$1,800,000)	\$5,003,416	\$3,691,129	\$1,312,287
TAP NON-FLEX	\$6,029,395	\$1,025,966		\$7,055,362	\$5,643,600	\$1,411,762
-BOSTON URBAN AREA	\$3,764,174	\$427,088		\$4,191,262	\$3,424,100	\$767,162
-BARNSTABLE URBAN AREA	\$227,170	\$25,914		\$253,084	\$206,200	\$46,884
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$489,515	\$56,011		\$545,525	\$445,200	\$100,325
-WORCESTER URBAN AREA	\$417,685	\$47,855		\$465,540	\$380,100	\$85,440
-PROVIDENCE, PAWTUCKET	\$239,676	\$27,553		\$267,229	\$218,000	\$49,229
-OTHER AREAS (RURAL & SMALL URBAN)	\$891,176	\$342,459		\$1,233,635	\$970,000	\$263,635
HWY SAFETY IMPROVEMENT PGM.	\$37,657,728	\$5,651,979	(\$4,000,000)	\$39,309,707	\$34,664,868	\$4,644,839
HSIP - High Risk Rural	\$0	\$4,431,502		\$4,431,502	\$2,000,000	\$2,431,502
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	\$1,433,018	\$5,272,979	\$0	\$6,705,997	\$1,000,000	\$5,705,997
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	\$1,433,018	\$3,213,976	\$0	\$4,646,994	\$1,000,000	\$3,646,994
CMAQ	\$71,338,630	\$4,436,948	(\$12,200,000)	\$63,575,578	\$54,900,759	\$8,674,819
PLANNING	\$24,435,443	\$459,673	\$0	\$24,895,115	\$24,035,573	\$859,542
FEDERAL AID SUB-TOTAL:	\$706,844,693	\$105,530,096	\$0	\$812,374,789	\$714,128,667	\$98,246,122
Estimated Obligation Authority					\$726,662,005	

Federal Fiscal Year 2023						
2019-2023 STIP: 92% Reversion						
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING
EARMARKS	\$0	\$16,320,350		\$16,320,350	\$0	\$16,320,350
HIP FLEX	\$0	\$0		\$0	\$0	\$0
HIP NON-FLEX OVER 200K	\$0	\$5,347,695		\$5,347,695	\$0	\$5,347,695
-BOSTON URBAN AREA	\$0	\$0		\$0	\$0	\$0
-BARNSTABLE URBAN AREA	\$0	\$579,596		\$579,596	\$0	\$579,596
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$0	\$3,171,575		\$3,171,575	\$0	\$3,171,575
-WORCESTER URBAN AREA	\$0	\$0		\$0	\$0	\$0
-PROVIDENCE, PAWTUCKET	\$0	\$1,552,864		\$1,552,864	\$0	\$1,552,864
-OTHER AREAS (RURAL & SMALL URBAN)	\$0	\$43,660		\$43,660	\$0	\$43,660
HIP NON-FLEX 5K-200K	\$0	\$0		\$0	\$0	\$0
HIP NON-FLEX UNDER 5K	\$0	\$3,182,160		\$3,182,160	\$0	\$3,182,160
HIP BRIDGE		\$0		\$0	\$0	\$0
NHPP-EXEMPT	\$9,286,246	\$0		\$9,286,246	\$9,286,246	(\$0)
MISCELLANEOUS / ALLOCATED FUNDS	\$344,611	\$20,898,612		\$21,243,223	\$0	\$21,243,223
FEDERAL AID TOTAL >	\$716,475,550	\$148,096,753	\$0	\$864,572,303	\$723,414,913	\$141,157,390
STATE MATCH FOR FEDERAL AID					\$147,099,937	
NON-FEDERAL AID + FEDERAL AID TOTAL >					\$870,514,850	

Federal Fiscal Year 2024							2019-2023 STIP 92% Reapportionment
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	
NATIONAL HIGHWAY PERFORMANCE	\$368,334,842	\$44,641,662	\$0	\$412,976,504	\$378,321,302	\$34,655,202	
NATIONAL HIGHWAY FREIGHT PROGRAM	\$24,417,128	\$3,880,181	\$10,000,000	\$40,297,309	\$32,021,285	\$8,276,024	
STBG FLEX	\$52,740,755	\$14,202,079	\$0	\$66,942,834	\$58,132,635	\$8,810,199	
BRIDGE-OFF SYSTEM	\$28,456,838	\$907,490	\$0	\$29,364,328	\$29,364,328	(\$0)	
STBG NON-FLEX	\$95,318,914	\$5,926,969		\$101,245,882	\$89,455,600	\$11,790,282	
-BOSTON URBAN AREA	\$59,507,950	\$3,699,703		\$63,207,653	\$55,847,300	\$7,360,353	
-BARNSTABLE URBAN AREA	\$3,591,330	\$223,387		\$3,814,717	\$3,370,300	\$444,417	
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$7,738,753	\$481,499		\$8,220,252	\$7,263,000	\$957,252	
-WORCESTER URBAN AREA	\$6,603,203	\$410,727		\$7,013,931	\$6,197,200	\$816,731	
-PROVIDENCE, PAWTUCKET	\$3,789,040	\$235,879		\$4,024,919	\$3,556,200	\$468,719	
-OTHER AREAS (RURAL & SMALL URBAN)	\$14,088,637	\$875,773		\$14,964,410	\$13,221,600	\$1,742,810	
RECREATIONAL TRAILS	\$1,186,729	\$0		\$1,186,729	\$1,186,729	\$0	
TAP FLEX	\$6,169,278	\$1,312,287	\$1,900,000	\$9,381,565	\$9,229,186	\$152,379	
TAP NON-FLEX	\$6,169,278	\$1,411,762		\$7,581,040	\$5,474,200	\$2,106,840	
-BOSTON URBAN AREA	\$3,851,503	\$767,162		\$4,618,665	\$3,423,300	\$1,195,365	
-BARNSTABLE URBAN AREA	\$232,440	\$46,884		\$279,323	\$207,100	\$72,223	
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$500,871	\$100,325		\$601,197	\$445,500	\$155,697	
-WORCESTER URBAN AREA	\$427,376	\$85,440		\$512,816	\$380,100	\$132,716	
-PROVIDENCE, PAWTUCKET	\$245,236	\$49,229		\$294,465	\$218,200	\$76,265	
-OTHER AREAS (RURAL & SMALL URBAN)	\$911,852	\$263,635		\$1,175,487	\$800,000	\$375,487	
HWY SAFETY IMPROVEMENT PGM.	\$38,453,113	\$4,644,839	\$3,800,000	\$46,897,952	\$46,816,756	\$81,196	
HSIP - High Risk Rural	\$0	\$2,431,502		\$2,431,502	\$0	\$2,431,502	
RLWY/HWY CROSSINGS- HAZARD ELIMINATION	\$1,463,286	\$5,705,997	\$0	\$7,169,283	\$1,000,000	\$6,169,283	
RLWY/HWY CROSSINGS- PROTECTIVE DEVICES	\$1,463,286	\$3,646,994	\$0	\$5,110,280	\$1,000,000	\$4,110,280	
CMAQ	\$72,845,404	\$8,674,819	(\$15,700,000)	\$65,820,223	\$51,361,043	\$14,459,180	
PLANNING	\$24,951,554	\$859,542	\$0	\$25,811,096	\$24,035,573	\$1,775,523	
FEDERAL AID SUB-TOTAL:	\$721,970,405	\$98,246,122	\$0	\$822,216,527	\$727,398,637	\$94,817,890	
Estimated Obligation Authority					\$739,684,333		

Federal Fiscal Year 2024							2019-2023 STIP 92% Reversion
FUNDING CATEGORY	I ANTICIPATED NET APPORTIONMENTS OF FEDERAL FUNDS	II ESTIMATED CARRYOVER BALANCE	III ANTICIPATED TRANSFER OF FUNDS	IV TOTAL FUNDS AVAILABLE (10/1) SUBJECT TO OBLIGATION AUTHORITY	V PROGRAMMED OBLIGATIONS	VI ESTIMATED BALANCE REMAINING	
EARMARKS	\$0	\$16,320,350		\$16,320,350	\$0	\$16,320,350	
HIP FLEX	\$0	\$0		\$0	\$0	\$0	
HIP NON-FLEX OVER 200K	\$0	\$5,347,695		\$5,347,695	\$0	\$5,347,695	
-BOSTON URBAN AREA	\$0	\$0		\$0	\$0	\$0	
-BARNSTABLE URBAN AREA	\$0	\$579,596		\$579,596	\$0	\$579,596	
-SPRINGFIELD, CHICOPEE, HOLYOKE	\$0	\$3,171,575		\$3,171,575	\$0	\$3,171,575	
-WORCESTER URBAN AREA	\$0	\$0		\$0	\$0	\$0	
-PROVIDENCE, PAWTUCKET	\$0	\$1,552,864		\$1,552,864	\$0	\$1,552,864	
-OTHER AREAS (RURAL & SMALL URBAN)	\$0	\$43,660		\$43,660	\$0	\$43,660	
HIP NON-FLEX 5K-200K	\$0	\$0		\$0	\$0	\$0	
HIP NON-FLEX UNDER 5K	\$0	\$3,182,160		\$3,182,160	\$0	\$3,182,160	
HIP BRIDGE		\$0		\$0	\$0	\$0	
NHPP-EXEMPT	\$9,286,246	(\$0)		\$9,286,246	\$0	\$9,286,246	
MISCELLANEOUS / ALLOCATED FUNDS	\$344,611	\$21,243,223		\$21,587,834	\$0	\$21,587,834	
FEDERAL AID TOTAL >	\$731,601,262	\$141,157,390	\$0	\$874,758,651	\$727,398,637	\$147,360,014	
STATE MATCH FOR FEDERAL AID					\$145,396,954		
NON-FEDERAL AID + FEDERAL AID TOTAL >					\$872,795,591		

**FFY 2020-2024 State Transportation Improvement Program
Transit Fiscal Constraint Charts**

Fiscal Constraint Analysis 2020									
Federal Funding Source	Unobligated Carryover	Current Year Available (est.)	Total Funds Available (Carryover + Current Year Available)	Programmed Funds	Unprogrammed Funds	Net Change in Programmed Funds from Previous STIP		State Funding Source	Programmed Funds
5307	\$56,239,225	\$216,627,828	\$272,867,053	\$215,708,052	\$57,159,001	\$7,463,637		RTACAP	\$19,960,999
5309	\$0	\$150,000,000	\$150,000,000	\$150,000,000	\$0	\$0		VW Mitigation Funds	\$0
5310	\$730,241	\$6,220,333	\$6,950,574	\$6,035,578	\$914,996	\$0		SCA	\$25,193,049
5311	\$529,170	\$5,301,258	\$5,830,428	\$5,830,428	\$0.0032	\$0		TDC*	\$3,259,303
5337	\$35,124,684	\$173,080,959	\$208,205,643	\$164,044,620	\$44,161,023	\$14,843,624		MAP	\$4,000,000
5339	\$34,241,839	\$10,416,262	\$44,658,101	\$19,586,515	\$25,071,586	\$8,350,112		Local Funds	\$10,321,643
Other Federal	\$0	\$0	\$0	\$0	\$0	\$0		MBTA Matching Funds	\$229,184,840
	\$126,865,159	\$561,646,640	\$688,511,799	\$561,205,193	\$127,306,606	\$30,657,373		Total Non-Federal Aid	\$288,660,531

Fiscal Constraint Analysis 2021									
Federal Funding Source	Unobligated Carryover	Current Year Available (est.)	Total Funds Available (Carryover + Current Year Available)	Programmed Funds	Unprogrammed Funds	Net Change in Programmed Funds from Previous STIP		State Funding Source	Programmed Funds
5307	\$57,159,001	\$221,133,687	\$278,292,688	\$218,661,092	\$59,631,596	\$6,901,585		RTACAP	\$30,183,701
5309	\$0	\$100,000,000	\$100,000,000	\$100,000,000	\$0	\$0		VW Mitigation Funds	\$0
5310	\$914,996	\$6,350,338	\$7,265,334	\$6,035,578	\$1,229,756	\$0		SCA	\$27,713,131
5311	\$0	\$5,842,579	\$5,842,579	\$5,842,579	\$0	\$0		TDC*	\$2,653,498
5337	\$44,161,023	\$176,057,951	\$220,218,974	\$166,975,211	\$53,243,763	\$17,736,944		MAP	\$4,000,000
5339	\$25,071,586	\$10,815,205	\$35,886,791	\$14,631,868	\$21,254,923	\$5,078,112		Local Funds	\$10,554,876
Other Federal	\$0	\$358,573,779	\$0	\$358,573,779	\$0	(\$27,548,335)		MBTA Matching Funds	\$269,151,817
	\$127,306,606	\$878,773,539	\$647,506,366	\$870,720,107	\$135,360,038	\$2,168,306		Total Non-Federal Aid	\$341,603,525

**FFY 2020-2024 State Transportation Improvement Program
Transit Fiscal Constraint Charts**

Fiscal Constraint Analysis 2022

Federal Funding Source	Unobligated Carryover	Current Year Available (est.)	Total Funds Available (Carryover + Current Year Available)	Programmed Funds	Unprogrammed Funds	Net Change in Programmed Funds from Previous STIP	State Funding Source	Programmed Funds
5307	\$59,631,596	\$225,733,267	\$285,364,863	\$192,332,954	\$93,031,909	(\$23,694,252)	RTACAP	\$38,583,183
5309	\$0	\$46,121,000	\$46,121,000	\$46,121,000	\$0	\$0	VW Mitigation Funds	\$0
5310	\$1,229,756	\$6,483,060	\$7,712,816	\$6,035,578	\$1,677,238	\$0	SCA	\$28,500,381
5311	\$0	\$5,854,984	\$5,854,984	\$5,854,984	\$0	\$0	TDC*	\$3,218,128
5337	\$53,243,763	\$179,086,148	\$232,329,911	\$198,987,807	\$33,342,104	\$49,711,834	MAP	\$4,000,000
5339	\$21,254,923	\$11,229,427	\$32,484,350	\$11,287,750	\$21,196,600	\$10,657,417	Local Funds	\$9,098,851
Other Federal	\$0	\$7,395,348	\$7,395,348	\$7,395,348	\$0	\$0	MBTA Matching Funds	\$128,037,117
	\$135,360,038	\$481,903,234	\$617,263,272	\$468,015,421	\$149,247,851	\$36,674,999	Total Non-Federal Aid	\$208,219,532

Fiscal Constraint Analysis 2023

Federal Funding Source	Unobligated Carryover	Current Year Available (est.)	Total Funds Available (Carryover + Current Year Available)	Programmed Funds	Unprogrammed Funds	Net Change in Programmed Funds from Previous STIP	State Funding Source	Programmed Funds
5307	\$93,031,909	\$230,428,519	\$323,460,428	\$227,101,890	\$96,358,538	(\$115,923,314)	RTACAP	\$38,465,850
5309	\$0	\$0	\$0	\$0	\$0	\$0	VW Mitigation Funds	\$0
5310	\$1,677,238	\$6,618,556	\$8,295,794	\$6,035,578	\$2,260,216	\$0	SCA	\$27,281,918
5311	\$0	\$6,117,649	\$6,117,649	\$6,117,649	\$0	\$3,749,029	TDC*	\$3,096,739
5337	\$33,342,104	\$182,166,430	\$215,508,534	\$172,571,071	\$42,937,463	\$23,269,903	MAP	\$4,000,000
5339	\$21,196,600	\$11,659,514	\$32,856,114	\$11,679,916	\$21,176,198	\$7,389,657	Local Funds	\$9,201,033
Other Federal	\$0	\$3,125,991	\$0	\$3,125,991	\$0	\$0	MBTA Matching Funds	\$83,316,882
	\$149,247,851	\$440,116,659	\$586,238,519	\$426,632,095	\$162,732,415	(\$81,514,725)	Total Non-Federal Aid	\$162,265,683

Fiscal Constraint Analysis 2024

Federal Funding Source	Unobligated Carryover	Current Year Available (est.)	Total Funds Available (Carryover + Current Year Available)	Programmed Funds	Unprogrammed Funds	Net Change in Programmed Funds from Previous STIP	State Funding Source	Programmed Funds
5307	\$96,358,538	\$235,583,823	\$331,942,361	\$231,432,037	\$100,510,324	N/A	RTACAP	\$51,254,003
5309	\$0	\$0	\$0	\$0	\$0	N/A	VW Mitigation Funds	\$0
5310	\$2,260,216	\$6,732,406	\$8,992,622	\$6,035,579	\$2,957,043	N/A	SCA	\$27,934,833
5311	\$0	\$4,103,637	\$4,103,637	\$3,749,029	\$354,608	N/A	TDC*	\$2,721,245
5337	\$42,937,463	\$185,299,693	\$228,237,156	\$175,504,069	\$52,733,087	N/A	MAP	\$4,000,000
5339	\$21,176,198	\$12,106,074	\$33,282,272	\$13,100,857	\$20,181,415	N/A	Local Funds	\$8,662,040
Other Federal	\$0	\$2,948,836	\$0	\$2,948,836	\$0	N/A	MBTA Matching Funds	\$84,741,601
	\$162,732,415	\$446,774,469	\$606,558,048	\$432,770,407	\$176,736,477	\$0	Total Non-Federal Aid	\$176,592,477

Updated July 16, 2019

Note: Transportation Development Credits (TDC) are a soft match.

Note: "Current Year Available" amounts are estimated based on prior FAST Act apportionments and inflation rates.

Note: Carryover Funds are Federal Transit funds which have been apportioned to Regional Transit partners, but not previously obligated.

Advanced construction (AC)

AC projects are those which are funded over multiple federal fiscal years and multiple construction seasons. The AC procedure allows states to commence eligible projects without first having to obligate the entirety of the federal government's share of expenditures. The following tables are projects programmed in the FFY 2020-2024 STIP which are programmed with an AC schedule.

AC table *(to be provided in final document)*

AC table *(to be provided in final document)*

AC table *(to be provided in final document)*

Status of FFY 2019 investments

Projects that are currently programmed in the FFY 2019 element of the active FFY 2019-2023 STIP are scheduled to be advertised for contractual bid throughout the Federal Fiscal Year, (October 2018 – September 2019). The following tables depict the status of each project currently programmed in FFY 2019 with actual dates of advertisement or anticipated quarter of advertisement. The quarters of FFY 2019 listed in the following tables refer to the following calendar months:

Quarter 1 (Q1): October 2018 through December 2018

Quarter 2 (Q2): January 2019 through March 2019

Quarter 3 (Q3): April 2019 through June 2019

Quarter 4 (Q4): July 2019 through September 2019

MPO	MassDOT Project ID	MassDOT Project Description	Project Type	Design Responsibility	Highway Design	ROW Status	Environmental Status	Total Federal Participating Cost	Advert Quarter	District	Comment
ADVERTISED ORIGINAL STIP											
Berkshire	608351	ADAMS- CHESHIRE- LANESBOROUGH- RESURFACING ON THE ASHUWILLTICOOK RAIL TRAIL, FROM THE PITTSFIELD T.L. TO THE ADAMS VISITOR CENTER	Resurfacing DOT Owned Non-Interstate	In-House District	Final Design	Final	Yes	\$ 5,277,958.10	3	1	
Pioneer Valley	600513	AGAWAM- RECONSTRUCTION OF ROUTE 187 FROM 425 FT. SOUTH OF S. WESTFIELD STREET TO ROUTE 57 (0.3 MILES - PHASE I)	Hwy Reconstr - No Added Capacity	Municipality Consultant	Final Design	Final	Yes	\$ 2,689,846.65	4	2	
Merrimack Valley	602418	AMESBURY- RECONSTRUCTION OF ELM STREET	Hwy Reconstr - No Added Capacity	Municipality Consultant	Final Design	Final	Yes	\$ 12,220,442.27	4	4	removed from High Risk with issuance of 404 permit
Montachusett	608260	ATHOL- BRIDGE REPLACEMENT, A-15-005, WASHINGTON AVE OVER ATHOL POND OUTLET & A-15-004, MORGAN AVE OVER ATHOL POND OUTLET	Bridge Replacement	MassDOT Consultant	Final Design	100%	Yes	\$ 2,160,028.50	2	2	
Montachusett	608612	ATHOL- BRIDGE REPLACEMENT, A-15-008, CRESCENT STREET OVER MILLERS RIVER	Bridge Replacement	MassDOT Consultant	Final Design	Final	No	\$ 5,112,455.15	2	2	
Southeastern Mass	608824	ATTLEBORO- PAVEMENT PRESERVATION AND RELATED WORK ON I-95	Resurfacing Interstate	In-House District	Final Design	Final	Yes	\$ 7,564,444.70	2	5	
Statewide	608222	BOURNE- WAREHAM- RESURFACING AND RELATED WORK ON ROUTE 25	Resurfacing DOT Owned Non-Interstate	In-House District	Final Design	Final	Yes	\$ 8,908,761.56	3	5	
Boston	608608	BRAINTREE- HIGHWAY LIGHTING IMPROVEMENTS AT I-93/ROUTE 3 INTERCHANGE	Lighting	MassDOT Consultant	Final Design	Final	Yes	\$ 5,880,446.26	3	6	
Northern Middlesex	608344	CHELMSFORD- INTERSECTION IMPROVEMENTS AT ROUTE 129 AND RIVERNECK ROAD	Roadway - Reconstr - Sidewalks and Curbing	Municipality Consultant	Final Design	Final	Yes	\$ 5,723,038.00	3	4	removed from M Risk with package to FAPRO and cert issued
Pioneer Valley	607560	CHICOPEE- HOLYOKE- INTERSTATE MAINTENANCE & RELATED WORK ON I-391	Resurfacing Interstate	In-House District	Final Design	100%	Yes	\$ 12,327,430.45	2	2	
Pioneer Valley	608600	CHICOPEE- WEST SPRINGFIELD- HIGHWAY LIGHTING UPGRADE ON I-91	Lighting	MassDOT Consultant	Final Design		Yes	\$ 4,767,386.90	1	2	
Montachusett	604961	CLINTON- RESURFACING & RELATED WORK ON ROUTE 110 (HIGH STREET)	Hwy Reconstr - Restr and Rehab	Municipality Consultant	Final Design	100%	Yes	\$ 3,153,673.76	3	3	ad date change due to required STIP amendment
District 4	609084	DISTRICT 4- EXPANSION OF ITS ROADWAY DEVICES FOR HIGHWAY OPERATIONS	Intelligent Transportation Sys	MassDOT Consultant	Final Design	Final	Yes	\$ 4,567,452.26	4	4	District 6 removed from scope - removed from M Risk in 4/16 PoP
District 5	609085	DISTRICT 5- EXPANSION OF ITS ROADWAY DEVICES FOR HIGHWAY OPERATIONS	Intelligent Transportation Sys	MassDOT Consultant	100% Design	100%	Yes	\$ 4,395,878.00	4	5	removed from M Risk in 4/16 PoP
Southeastern Mass	608223	FALL RIVER- RESURFACING AND RELATED WORK ON ROUTE 24	Resurfacing DOT Owned Non-Interstate	In-House District	Final Design	Final	Yes	\$ 10,968,247.33	3	5	
Southeastern Mass	608602	FALL RIVER- SOMERSET- STORMWATER IMPROVEMENTS ALONG I-195 AND ROUTE 79	Drainage	MassDOT Consultant	Final Design	Final	Yes	\$ 1,471,794.22	3	5	removed from M Risk with project going to FAPRO
Central Mass	607908	HOLDEN- BRIDGE MAINTENANCE OF H-18-028 & 029, I-190 OVER RIVER STREET & QUINAPOXET RIVER	Structures Maintenance	In-House District	Final Design	100%	Yes	\$ 470,400.00	1	3	removed from M Risk (design) upon adv.
Pioneer Valley	604962	HOLLAND- RESURFACING & RELATED WORK ON BRIMFIELD ROAD, FROM THE BRIMFIELD/HOLLAND T.L. TO WALES ROAD (1.4 MILES - PHASE I)	Hwy Reconstr - No Added Capacity	Municipality Consultant	Final Design	100%	Yes	\$ 3,160,597.47	2	2	removed from M Risk (design) upon advertising
Pioneer Valley	608251	HOLYOKE- SYSTEMATIC BRIDGE MAINTENANCE ON H-21-047 AND H-21-049	Bridge Maintenance	In-House District	Final Design	Final	Yes	\$ 2,057,728.94	3	2	
Montachusett	607848	HUBBARDSTON- RESURFACING AND RELATED WORK ON ROUTE 68, FROM WILLIAMSVILLE ROAD TO THE GARDNER C.L.	Hwy Reconstr - Restr and Rehab	Municipality Consultant	Final Design	100%	Yes	\$ 4,210,419.24	3	3	removed from M risk (munl ROW)
Berkshire	608928	HUNTINGTON- SYSTEMATIC BRIDGE MAINTENANCE, H-27-019, ROUTE 112 OVER SYKES BROOK	Bridge Maintenance	In-House District	Final Design	Final	Yes	\$ 526,506.25	2	1	
Montachusett	608475	LANCASTER- HARVARD- LITTLETON- RESURFACING AND RELATED WORK ON ROUTE 2	Resurfacing DOT Owned Non-Interstate	In-House District	Final Design	100%	Yes	\$ 18,558,221.75	1	3	
Northern Middlesex	608257	LOWELL- DECK REPLACEMENTS, L-15-068 (2H5) AND (2HG), LOWELL CONNECTOR OVER INDUSTRIAL AVENUE EAST	Bridge Preservation	In-House District	Final Design	100%	Yes	\$ 4,497,090.80	1	4	
Southeastern Mass	608828	MIDDLEBOROUGH- PAVEMENT PRESERVATION AND RELATED WORK ON I-495	Resurfacing Interstate	In-House District	Final Design	Final	Yes	\$ 6,719,202.00	2	5	removed from M Risk upon adv.
Southeastern Mass	608454	MIDDLEBOROUGH- RESURFACING AND RELATED WORK ON ROUTE 44	Resurfacing DOT Owned Non-Interstate	In-House District	Final Design	Final	Yes	\$ 8,301,989.10	1	5	

MPO	MassDOT Project ID	MassDOT Project Description	Project Type	Design Responsibility	Highway Design	ROW Status	Environmental Status	Total Federal Participating Cost	Advert Quarter	District	Comment
Pioneer Valley	608249	MIDDLEFIELD- BRIDGE SUPERSTRUCTURE REPLACEMENT, M-19-010, CHESTER ROAD OVER SMART BROOK	Bridge Reconstruction/Rehab	MassDOT Consultant	Final Design	Final	Yes	\$ 1,121,197.18	2	1	
Berkshire	608243	NEW MARLBOROUGH- BRIDGE REPLACEMENT, N-08-010, UMPACHENE FALLS OVER KONKAPOT RIVER	Bridge Replacement	MassDOT Consultant	Final Design	100%	Yes	\$ 1,785,864.35	3	1	
Merrimack Valley	608792	NEWBURYPORT- IMPROVEMENTS AT NOCK MIDDLE SCHOOL & MOLIN UPPER ELEMENTARY SCHOOL (SRTS)	Roadway - Reconst - Sidewalks and Curbing	MassDOT Consultant	Final Design	Final	Yes	\$ 2,245,076.00	4	4	
Merrimack Valley	606159	NORTH ANDOVER- INTERSECTION & SIGNAL IMPROVEMENTS AT ROUTE 125 & MASSACHUSETTS AVENUE	Hwy Reconst - Minor Widening	MassDOT Consultant	Final Design	100%	Yes	\$ 5,641,303.93	2	4	M Risk due to "interested" individual removed with advertising
Southeastern Mass	607531	NORTON- CORRIDOR IMPROVEMENTS & RELATED WORK ON EAST MAIN STREET (ROUTE 123), FROM PINE STREET TO I-495	Hwy Reconst - Minor Widening	Municipality Consultant	Final Design	Final	Yes	\$ 7,210,454.15	4	5	removed from M Risk in 4/16 PoP
Boston	608468	PEABODY- DANVERS- RESURFACING AND RELATED WORK ON ROUTE 1	Resurfacing DOT Owned Non-Interstate	In-House District	Final Design	100%	Yes	\$ 11,373,388.30	1	4	removed from M Risk (design) upon advertising
Berkshire	608523	PITTSFIELD- BRIDGE REPLACEMENT, P-10-042, NEW ROAD OVER WEST BRANCH OF THE HOUSATONIC RIVER	Bridge Replacement	MassDOT Consultant	Final Design	75%	Yes	\$ 2,745,959.43	3	1	removed from M Risk with issuance of muni ROW cert
Berkshire	603255	PITTSFIELD- BRIDGE REPLACEMENT, P-10-049, LAKEWAY DRIVE OVER ONOTA LAKE	Bridge Replacement	MassDOT Consultant	Final Design	100%	Yes	\$ 3,649,959.66	4	1	removed from M Risk in 4/16 PoP
Boston	608234	RANDOLPH- BRIDGE PRESERVATION OF 2 BRIDGES: R-01-005 & R-01-007	Bridge Preservation	In-House District	Final Design	Final	Yes	\$ 4,984,738.40	1	6	
Boston	608219	READING- WAKEFIELD- INTERSTATE MAINTENANCE AND RELATED WORK ON I-95	Resurfacing Interstate	In-House District	Final Design	Final	Yes	\$ 4,605,018.00	1	4	
Southeastern Mass	607392	SEEKONK- INTERSECTION IMPROVEMENTS & RELATED WORK AT FALL RIVER AVENUE (ROUTE 114A) AND COUNTY STREET	Traffic Signals	Municipality Consultant	Final Design		Yes	\$ 2,491,270.60	3	5	
Berkshire	608263	SHEFFIELD- BRIDGE REPLACEMENT, S-10-019, BERKSHIRE SCHOOL ROAD OVER SCHENOB BROOK	Bridge Replacement	MassDOT Consultant	Final Design	100%	Yes	\$ 3,975,701.16	2	1	removed from M Risk upon adv.
Statewide	608582	STATEWIDE- VARIOUS SAFETY STRATEGIES TO ADDRESS SHSP -TO BE DETERMINED (2019)	Traffic Signals	MassDOT Consultant	Approved		No	\$ 10,648,922.75	4		
Boston	607249	SUDBURY- INTERSECTION IMPROVEMENTS @ ROUTE 20 & LANDHAM ROAD	Traffic Signals	MassDOT Consultant	Final Design	Final	Yes	\$ 2,004,318.20	3	3	
Northern Middlesex	608346	TEWKSBURY- INTERSECTION IMPROVEMENTS AT MAIN STREET, SALEM ROAD AND SOUTH STREET	Roadway - Reconst - Sidewalks and Curbing	Municipality Consultant	Final Design	100%	Yes	\$ 3,764,251.86	4	4	
Boston	608493	TOPSFIELD- RESURFACING AND RELATED WORK ON ROUTE 1	Resurfacing DOT Owned Non-Interstate	In-House District	Final Design	100%	Yes	\$ 2,812,044.60	2	4	
Pioneer Valley	603783	WESTFIELD- COLUMBIA GREENWAY RAIL TRAIL CONSTRUCTION (CENTER DOWNTOWN SECTION)	Bikeway/Bike Path Construction	Municipality Consultant	Final Design	100%	Yes	\$ 7,406,705.96	3	2	
Montachusett	607446	WESTMINSTER- INTERSECTION IMPROVEMENTS, ROUTE 2A AT ROUTE 140	Traffic Signals	MassDOT Consultant	Final Design	Final	Yes	\$ 2,576,892.37	1	3	
Montachusett	608728	WINCHENDON- RESURFACING & RELATED WORK ON ROUTE 202, FROM THE TEMPLETON TOWN LINE TO MAIN STREET (3.1 MILES)	Resurfacing DOT Owned Non-Interstate	In-House District	Final Design		Yes	\$ 1,795,874.70	1	2	
Central Mass	601368	WORCESTER- RESURFACING & RELATED WORK ON ROUTE 122 (GRAFTON STREET), FROM WASHINGTON SQUARE TO RICE SQUARE (1.4 MILES)	Hwy Reconst - No Added Capacity	Municipality Consultant	Final Design	100%	Yes	\$ 7,580,255.15	4	3	removed from M Risk in 4/16 PoP
Central Mass	607757	WORCESTER- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE SR 122A (PROVIDENCE STREET) AT MILLBURY STREET & MCKEON ROAD	Hwy Reconst - Restr and Rehab	MassDOT Consultant	Final Design	100%	Yes	\$ 878,862.13	3	3	removed from High risk (State ROW) per 12/4 PoP Meeting
Pioneer Valley	606912	WORTHINGTON- RECONSTRUCTION & RELATED WORK ON ROUTE 143 (PHASE I) COLD STREET TO CHESTERFIELD TOWN LINE	Hwy Reconst - No Added Capacity	Municipality Consultant	100% Design	100%	No	\$ 8,720,199.00	4	1	
							47	\$ 245,709,697.54			
TO BE ADVERTISED ORIGINAL STIP											
Old Colony	608143	ABINGTON- BROCKTON- INTERSECTION IMPROVEMENTS AT NORTH QUINCY STREET, BOUNDARY AVENUE AND CHESTNUT STREET	Traffic Signals	Municipality Consultant	Final Design	100%	Yes	\$ 2,482,238.87	4	5	removed from Muni ROW H Risk
Boston	606223	ACTON- CONCORD- BRUCE FREEMAN RAIL TRAIL CONSTRUCTION, INCLUDES REPLACING BRIDGE C-19-037, RAIL TRAIL OVER NASHOBA BROOK, NEW BRIDGE C-19-039, RAIL TRAIL OVER ROUTE 2 & NEW CULVERT C-19-040, ROUTE 2 OVER WILDLIFE CROSSING (PHASE II-B)	Bikeway/Bike Path Construction	Municipality Consultant	100% Design	100%	No	\$ 10,695,883.13	4	4	
Cape Cod	606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	Hwy Reconst - Minor Widening	MassDOT Consultant	Final Design	100%	Yes	\$ 11,535,820.50	4	5	
Pioneer Valley	608412	BELCHERTOWN- IMPROVEMENTS & RELATED WORK ON ROUTES 202 & 21, FROM TURKEY HILL ROAD TO SOUTH MAIN STREET (1.2 MILES)	Hwy Reconst - Minor Widening	Municipality Consultant	100% Design	100%	Yes	\$ 5,304,015.94	4	2	

MPO	MassDOT Project ID	MassDOT Project Description	Project Type	Design Responsibility	Highway Design	ROW Status	Environmental Status	Total Federal Participating Cost	Advert Quarter	District	Comment
Boston	608755	BOSTON- INTERSECTION IMPROVEMENTS MORTON STREET (ROUTE 203) AT BLUE HILL AVE, AT COURTLAND ROAD/HAVELOCK STREET, AND AT HARVARD STREET	Traffic Signals	MassDOT Consultant	75% Design	75%	No	\$ 2,583,773.83	4	6	Env High Risk removed 2/22
Boston	605789	BOSTON- RECONSTRUCTION OF MELNEA CASS BOULEVARD	Hwy Reconstr - Minor Widening	Municipality Consultant	100% Design	100%	Yes	\$ 27,291,106.89	4	6	
Cape Cod	608571	BOURNE TO FALMOUTH- GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF ROUTE 28	Structural Signing	MassDOT Consultant	100% Design	100%	No	\$ 943,596.25	4	5	
Central Mass	608190	BROOKFIELD- EAST BROOKFIELD- BRIDGE REPLACEMENT, B-26-006 = E-02-001, SOUTH POND ROAD OVER SOUTH POND INLET	Bridge Replacement	MassDOT Consultant	Final Design	75%	No	\$ 3,369,382.25	4	3	2 town ROW cert
Boston	606316	BROOKLINE- PEDESTRIAN BRIDGE REHABILITATION, B-27-016, OVER MBTA OFF CARLTON STREET	Bridge Reconstruction/Rehab	Municipality Consultant	100% Design	100%	Yes	\$ 4,151,822.00	4	6	Switched from H to M Risk on 5/1
Franklin	606507	CHARLEMONT- ROADWAY RECONSTRUCTION AND VILLAGE CENTER TRAFFIC CALMING ON ROUTE 2, FROM MM 29.5 TO MM 31.0	Hwy Reconstr - No Added Capacity	In-House District	Final Design	75%	No	\$ 7,860,322.11	4	1	NEPA approval delay
Boston	608206	CHELSEA TO DANVERS- GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF US ROUTE 1	Structural Signing	MassDOT Consultant	Final Design	100%	No	\$ 7,018,349.15	4	4	
Pioneer Valley	607736	CHICOPEE- SOUTH HADLEY- SIGNAL & INTERSECTION IMPROVEMENTS AT 13 INTERSECTIONS ALONG ROUTE 33 (MEMORIAL DRIVE), FROM FULLER ROAD TO ABBEY STREET	Traffic Signals	MassDOT Consultant	100% Design	100%	Yes	\$ 6,598,138.78	4	2	
Boston	608587	DEDDHAM- RECONSTRUCTION & RELATED WORK OF BRIDGE STREET (ROUTE 109) AND AMES STREET	Resurfacing DOT Owned Non-Interstate	MassDOT Consultant	100% Design	75%	No	\$ 6,754,257.60	4	6	
District 1	608225	DISTRICT 1- ADA RETROFITS AT VARIOUS LOCATIONS	New Sidewalks and Curbing	MassDOT Consultant	100% Design	100%	No	\$ 624,842.50	4	1	
District 2	608226	DISTRICT 2- ADA RETROFITS AT VARIOUS LOCATIONS	New Sidewalks and Curbing	MassDOT Consultant	100% Design	75%	Yes	\$ 666,559.63	4	2	
Old Colony	607941	EAST BRIDGEWATER- RESURFACING AND SIDEWALK CONSTRUCTION ON BEDFORD STREET (ROUTE 18), FROM WHITMAN STREET (ROUTE 106) TO CENTRAL STREET	Hwy Reconstr - Restr and Rehab	MassDOT Consultant	100% Design	100%	Yes	\$ 9,065,529.76	4	5	removed from State ROW H Risk - payment date due 8/2
Montachusett	608193	FITCHBURG- LEOMINSTER- TWIN CITIES RAIL TRAIL CONSTRUCTION (PHASE I)	Bikeway/Bike Path Construction	Other	100% Design	100%	No	\$ 7,993,904.54	4	3	split into 2 projects - see #609411 for phase II
Pioneer Valley	607474	GRANBY- SOUTH HADLEY- RESURFACING & RELATED WORK ON ROUTE 202, FROM LYMAN STREET SOUTH HADLEY TO PLEASANT STREET GRANBY (2 MILES)	Resurfacing DOT Owned Non-Interstate	MassDOT Consultant	Final Design	75%	Yes	\$ 5,226,922.80	4	2	
Pioneer Valley	608790	HOLYOKE- IMPROVEMENTS AT KELLY COMMUNITY SCHOOL (SRTS)	Roadway - Reconstr - Sidewalks and Curbing	MassDOT Consultant	100% Design	75%	Yes	\$ 1,128,227.50	4	2	removed from muni ROW H Risk
Boston	607428	HOPEDALE- MILFORD- RESURFACING & INTERSECTION IMPROVEMENTS ON ROUTE 16 (MAIN STREET), FROM WATER STREET WEST TO APPROXIMATELY 120 FEET WEST OF THE MILFORD/HOPEDALE T.L. AND THE INTERSECTION OF ROUTE 140.	Hwy Reconstr - Restr and Rehab	Municipality Consultant	Final Design	100%	Yes	\$ 3,260,057.82	4	3	
Montachusett	607127	HUBBARDSTON- BRIDGE REPLACEMENT, H-24-009, EVERGREEN ROAD OVER MASON BROOK	Bridge Replacement	MassDOT Consultant	100% Design	100%	No	\$ 2,762,767.90	4	3	Article 97
Boston	604952	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	Bridge Replacement	MassDOT Consultant	Final Design	100%	No	\$ 83,110,137.30	4	4	date moved due to Env permits
Southeastern Mass	606709	NEW BEDFORD- CORRIDOR IMPROVEMENTS AND RELATED WORK ON KINGS HIGHWAY, FROM CHURCH STREET TO THE KINGS HIGHWAY BRIDGE (N-06-036) OVER ROUTE 140	Hwy Reconstr - Minor Widening	Municipality Consultant	100% Design	75%	Yes	\$ 10,361,130.78	4	5	removed from M Risk in 4/16 PoP
Boston	607330	MILTON- DECK RECONSTRUCTION OVER SE EXPRESSWAY (EAST MILTON SQUARE), INCLUDES PARKING & NEW LANDSCAPED AREA	Hwy Reconstr - Restr and Rehab	Municipality Consultant	100% Design	75%	Yes	\$ 3,686,216.61	4	6	removed from muni ROW H Risk
Boston	605034	NATICK- RECONSTRUCTION OF ROUTE 27 (NORTH MAIN STREET), FROM NORTH AVENUE TO THE WAYLAND T.L.	Hwy Reconstr - Restr and Rehab	Municipality Consultant	100% Design	100%	No	\$ 18,381,812.25	4	3	removed from muni H Risk
Boston	606635	NEEDHAM- NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	Hwy Reconstr - Restr and Rehab	MassDOT Consultant	Final Design	100%	No	\$ 29,547,464.40	4	6	
Central Mass	603251	WORCESTER- SIGNAL AND INTERSECTION IMPROVEMENTS AT HOLDEN STREET, DRUMMOND AVENUE & SHORE DRIVE	Traffic Signals	Municipality Consultant	Final Design	Final	Yes	\$ 2,713,999.97	4	3	removed from H Risk in 4/23 PoP
Central Mass	608892	SOUTHBRIDGE- QUINEBAUG RIVER BANK STABILIZATION	Bikeway/Bike Path Construction	MassDOT Consultant	25% Design	25%	No	\$ 356,612.50	4	3	Rail Trail removed from scope
Pioneer Valley	608411	SPRINGFIELD- INTERSECTION IMPROVEMENTS AT BAY STREET AND BERKSHIRE AVENUE	Traffic Signals	Municipality Consultant	Final Design	100%	Yes	\$ 2,217,167.20	4	2	removed from M Risk
Statewide	608838	STATEWIDE- EXPANSION OF HIGHWAY OPERATIONS CENTER INCIDENT DETECTION SYSTEMS	Intelligent Transportation Sys	MassDOT Consultant	Approved		No	\$ 1,500,000.00	4		will go out as a G&S contract
Montachusett	608259	TOWNSEND- BRIDGE REPLACEMENT, T-07-013, WEST MEADOW ROAD OVER LOCKE BROOK	Bridge Replacement	MassDOT Consultant	Final Design	75%	No	\$ 3,199,022.22	4	3	
Central Mass	606125	UPTON- RECONSTRUCTION OF HIGH STREET AND HOPKINTON ROAD (PHASE I)	Hwy Reconstr - Restr and Rehab	Municipality Consultant	100% Design	100%	No	\$ 6,728,764.45	4	3	removed from M Risk in 4/16 PoP
Central Mass	604948	UXBRIDGE- RECONSTRUCTION OF ROUTE 122 (NORTH MAIN STREET), FROM HARTFORD AVENUE TO ROUTE 16	Hwy Reconstr - No Added Capacity	Municipality Consultant	Final Design	Final	Yes	\$ 4,774,945.20	4	3	
Pioneer Valley	607987	WARE- INTERSECTION IMPROVEMENTS @ MAIN STREET, WEST STREET, NORTH STREET, SOUTH STREET & CHURCH STREET	Traffic Signals	Municipality Consultant	Final Design	100%	Yes	\$ 2,456,062.34	4	2	removed from Desigh H Risk - design was affecting parking for businesses
Central Mass	609003	WELLESLEY TO WORCESTER- CONNECTED VEHICLE TIMING AND COMMUNICATION CORRIDOR IMPROVEMENTS ON ROUTE 9	Traffic Signals	MassDOT Consultant	Approved		No	\$ 4,800,000.00	4	3	going through RFP process and ad date for tracking purposes only
Martha's Vineyard	607411	TISBURY- BIKE & PEDESTRIAN IMPROVEMENTS ALONG BEACH ROAD, FROM THE TERMINATION OF THE EXISTING SHARED USE PATH WESTERLY TO THE FIVE CORNERS INTERSECTION	Hwy Reconstr - Restr and Rehab	MassDOT Consultant	Final Design	100%	Yes	\$ 4,896,829.40	4	5	removed from State ROW H Risk
Northern Middlesex	607534	TEWKSBURY- BRIDGE PRESERVATION, T-03-003, MILL STREET OVER SHAWSHOEN RIVER	Bridge Preservation	MassDOT Consultant	Final Design	75%	No	\$ 485,582.50	4	4	
Berkshire	607760	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT 9 LOCATIONS ALONG SR 8 & SR 9	Traffic Signals	MassDOT Consultant	75% Design	25%	Yes	\$ 3,862,669.20	4	1	article 97 H Risk factor removed
Pioneer Valley	606555	NORTHAMPTON- ROUNDABOUT CONSTRUCTION AT INTERSECTION ROUTES 5/10 (NORTH KING STREET) & HATFIELD STREET	Hwy Reconstr - No Added Capacity	Municipality Consultant	75% Design	75%	No	\$ 3,921,682.36	4	2	Moved to Sept due ROW plans being received late
Boston	608205	READING TO LYNNFIELD- GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF I-95 (SR 128)	Structural Signing	MassDOT Consultant	100% Design	100%	No	\$ 4,405,206.50	4	4	
NOT ON ORIGINAL STIP AMENDED IN/TO BE ADVERTISED							49	\$ 318,722,824.93			
Boston	607954	DANVERS- BRIDGE REPLACEMENT, D-03-018, ST 128 OVER WATERS RIVER	Bridge Replacement	MassDOT Consultant	Final Design		Yes	\$ 25,260,586.78	3	4	new ad cost = \$22,349,425.42 but took credit for most in 2017 and can only for the difference

MPO	MassDOT Project ID	MassDOT Project Description	Project Type	Design Responsibility	Highway Design	ROW Status	Environmental Status	Total Federal Participating Cost	Advert Quarter	District	Comment
Boston	609371	NORWOOD- CONCRETE MEDIAN BARRIER REPLACEMENT ON ROUTE 1			75% Design		No	\$ 976,353.13	4	5	repurposed Federal Earmark to expire end of year
Pioneer Valley	609429	PALMER- WARE- RESURFACING OF ROUTE 32			25%/75%		No	\$ 2,874,453.89	4	2	repurposed Federal Earmark to expire end of year
Statewide	609293	STATEWIDE- OPERATION AND MAINTENANCE OF THE GOTIME SYSTEM	Intelligent Transportation Sys	MassDOT Consultant	Final Design		No	\$ 5,638,941.00	3		
Southeastern Mass	609310	TAUNTON- BUILDING DEMOLITION AT MASSDOT MAINTENANCE FACILITY			75% Design		No	\$ 460,462.50	4	5	Earmarked Funds
Central Mass	609226	WORCESTER- KELLEY SQUARE SAFETY IMPROVEMENTS ON MADISON STREET AND VERNON STREET	Traffic Signals	MassDOT Consultant	Final Design		No	\$ 14,444,067.24	4	3	
ON ORIGINAL STIP/AMENDED OFF								6 \$ 49,654,864.54			
Boston	608347	BEVERLY- INTERSECTION IMPROVEMENTS @ 3 LOCATIONS: CABOT STREET (ROUTE 1A/97) @ DODGE STREET (ROUTE 1A), COUNTY WAY, LONGMEADOW ROAD & SCOTT STREET, MCKAY STREET @ BALCH STREET & VETERANS MEMORIAL BRIDGE (ROUTE 1A) AT RANTOUL, CABOT, WATER & FRONT STREETS			75% Design			\$ 5,013,382.34		4	moved out due to design
District 6	608796	DISTRICT 6- ADA RETROFITS AT VARIOUS LOCATIONS			Approved			\$ 1,402,600.00		6	moved out due to similar NFA CIP project in ad year
Berkshire	607254	NORTH ADAMS- WILLIAMSTOWN- MOHAWK BICYCLE/PEDESTRIAN TRAIL			75% Design			\$ 6,015,525.20		1	moved out due to design and muni ROW
Boston	608079	SHARON- BRIDGE REPLACEMENT, S-09-003 (40N), MASKWONICUT STREET OVER AMTRAK/MBTA			25% Design			\$ 2,798,086.66		5	moved out due to design
Boston	608255	STOW- BRIDGE REPLACEMENT, S-29-011, BOX MILL ROAD OVER ELIZABETH BROOK			25% Design			\$ 2,716,872.97		3	moved out due to design
								5 \$ 17,946,467.17			

Advertised Original STIP	47	\$ 245,709,697.54
To Be Advertised Original STIP	40	\$ 318,722,824.93
Not On Original STIP Amended In	6	\$ 49,654,864.54
On Original STIP Amended Off	5	\$ 17,946,467.17
Total Advertisements	98	\$ 632,033,854.18

Air quality

Nearly all of Massachusetts was designated on May 21, 2012 by EPA (with limited exceptions) as “unclassifiable/attainment” for the latest ozone standard. However, due to the recent U.S. Court of Appeals decision in *South Coast Air Quality Management District v. EPA*, Case No. 15-1115 that struck down portions of the 2008 Ozone NAAQS SIP Requirements Rule, along with the anti-backsliding requirements associated with the revocation of the 1997 ozone NAAQS conformity determination, an FFY 2020-2024 Massachusetts Transportation Improvement Program (TIP) air quality conformity determination was required for each MPO in the Commonwealth. This conformity determination will be finalized in July 2019 after each MPO endorses an amended long range transportation plan and will include the Commonwealth providing a conformity analysis (see Appendix A for the full conformity determination). Massachusetts’ air quality conformity determination will be documented and will be reviewed and approved by FHWA, FTA, the US Environmental Protection Agency (EPA) and Department of Environmental Protection (DEP).

Greenhouse gas tracking

This section summarizes the greenhouse gas (GHG) impacts anticipated to result from the projects that are included in this FFY 2020–2024 STIP. It includes a summary of the state laws and policies that call for reducing greenhouse gas in the Commonwealth in order to mitigate global climate change; actions that respond to these state laws and policies; the role of regional planning and STIP development in reducing GHG emissions and tracking these reductions; and the projected GHG emission impacts from the projects programmed in the STIP.

State policy context

The Global Warming Solutions Act (GWSA), which was signed into law in August 2008, makes Massachusetts a leader in setting aggressive and enforceable GHG reduction targets, and implementing policies and initiatives to achieve these targets. In keeping with the law, on December 29, 2010, the Massachusetts Executive Office of Energy and Environmental Affairs (EOEEA), in consultation with other state agencies and the public, released the Massachusetts Clean Energy and Climate Plan for 2020. In December 2014, DEP issued new regulations that require MPOs to quantify impacts from project investments; to track progress towards reductions; and to consider impacts in the prioritization of project investments. The targets for overall statewide GHG emissions are:



The role of MPOs

The Commonwealth's MPOs are integrally involved in supporting the GHG reductions mandated under the GWSA. The MPOs are most directly involved through the promotion of healthy transportation modes through prioritizing and programming an appropriate balance of roadway, transit, bicycle and pedestrian investments – and assisting smart growth development patterns through the creation of a balanced multi-modal transportation system. This is realized through the transportation goals and policies espoused in the 2020 Regional Transportation Plans (RTPs); the major projects planned in those RTPs; and the mix of new transportation projects that are programmed and implemented through the TIPs. GHG tracking and evaluation processes enable the MPOs to identify anticipated GHG impacts of planned and programmed projects, and also to use GHG impacts as a criterion in prioritizing transportation projects.

Project-level GHG tracking and evaluation in TIPs

It is also important to monitor and evaluate the GHG impacts of the transportation projects that are programmed in the MPOs' TIPs. The TIPs include both the larger, regionally-significant projects from the RTPs, which are reported in the statewide GHG report, as well as smaller projects that are not included in the RTP but that may nevertheless have impacts on GHG emissions. The primary objective of this tracking is to enable the MPOs to evaluate expected GHG impacts of different projects and to use this information as a criterion for prioritizing and programming projects.

Calculation of GHG Impacts for TIP Projects

MassDOT has developed spreadsheets used by the MPOs to determine CMAQ eligibility that also include CO2 impacts. The data and analysis required for these calculations is available from functional design reports that are submitted for projects that would produce a measurable GHG impact.

Projects with quantified impacts

RTP Projects

Major capacity expansion projects are expected to have a significant impact on GHG emissions. These projects are included in each MPO's RTPs and analyzed using either the statewide model or the Boston MPO's regional model, which reflect GHG impacts. As a result, no independent TIP calculations are required.

Quantified Decrease in Emissions

For those projects that are expected to produce a measurable decrease in emissions, the approach for calculating these impacts is described below. These projects are categorized in the following manner:

- **Quantified Decrease in Emissions from Traffic Operational Improvement** - An intersection reconstruction or signalization project that is projected to reduce delay and congestion.
- **Quantified Decrease in Emissions from Pedestrian and Bicycle Infrastructure** - A shared-use path that enables increased walking and biking and decreases vehicle-miles traveled (VMT).
- **Quantified Decrease in Emissions from New/Additional Transit Service** - A bus or shuttle service that enables increased transit ridership and decreased VMT
- **Quantified Decrease in Emissions from a Park and Ride Lot** - A park-and-ride lot that enables increased transit ridership/ increased ridesharing and decreased VMT
- **Quantified Decrease in Emissions from Bus Replacement** - a bus replacement that directly reduces GHG emissions generated by service.
- **Quantified Decrease in Emissions from Complete Streets Improvements** - Improvements to roadway networks that include the addition of bicycle and pedestrian accommodations where none were present before.

- **Quantified Decrease in Emissions from Alternative Fuel Vehicle Procurements** – A vehicle procurement where alternative fuel/advanced technology vehicles replace traditional gas or diesel vehicles.
- **Quantified Decrease in Emissions from Anti-idling Strategies** – Implementation of policies such as limiting idling allowed, incorporating anti-idling technology into fleets and using LED lights on trucks for the purpose of illuminating worksites.
- **Quantified Decrease in Emissions from Bike Share Projects** – A new bike share project or capacity added to an existing project.
- **Quantified Decrease in Emissions from Induced Travel Projects** – A project that changes roadway capacity
- **Quantified Decrease in Emissions from Speed Reduction Programs** – Programs that reduce speed to no less than 55 miles per hour.
- **Quantified Decrease in Emissions from Transit Signal Priority Projects** – A project that applies this technology to a signal intersection or along a corridor that impacts bus service.
- **Quantified Decrease in Emissions from Truck Stop Electrification Projects** – A new truck stop electrification project or capacity added to an existing project.
- **Quantified Decrease in Emissions from Other Improvement**

Quantified Increase in Emissions

Projects expected to produce a measurable increase in emissions.

Projects with no assumed impacts

No Assumed Impact/Negligible Impact on Emissions

Projects that do not change the capacity or use of a facility (e.g. roadway median barrier or retaining wall replacement, or a bridge rehabilitation/replacement that restores the bridge to its previous condition) are assumed to have no/negligible GHG impact.

Qualitative Decrease in Emissions

Projects expected to produce a minor decrease in emissions that cannot be calculated with any precision. Examples of such projects include e-bikes and e-scooters, roadway repaving, signage improvement, ITS improvement, or transit marketing/customer experience improvement.

Qualitative Increase in Emissions

Projects expected to produce a minor increase in emissions that cannot be calculated with any precision.

Greenhouse gas impact tables for FFY 2020 – 2024 TIP

The tables summarizing the calculated quantitative and assumed qualitative impacts of the projects included in each regional FFY 2020–2024 TIP are found following the investment tables at the end of the STIP.

Public comment

From Garrett Wollman:

I urge the reprioritization of the Route 30 (South Ave.) reconstruction project in Weston, currently unprogrammed, to start as soon as design is complete (in FFY21 or 22). During the summer months, I regularly bike commute between Framingham and Cambridge, and Route 30 is my most direct route. However, owing to heavy, fast-moving traffic, inadequate sight lines, and a largely absent shoulder, Route 30 in Weston is by far the most dangerous and uncomfortable part of my journey. Based on the comments made at the last public meeting, South Ave. is also a high crash location for cars and trucks, which is borne out by the fragments of car bumpers and headlights I regularly pass along the route. The 10% design that has been presented to the town's Traffic and Sidewalk Committee would greatly increase my personal safety cycling on this route and would make it much more friendly to less experienced riders. It would also improve connectivity between Weston's existing bike and pedestrian network and the town's public schools. Additional traffic signals, pedestrian beacons, and intersection redesigns suggested in this early design would substantially improve intersection safety and would not pose an impediment to efficient bike travel.

MassDOT Response: This comment is regarding MassDOT Project #608954, Weston – Reconstruction of Route 30. The project received MassDOT's Project Review Committee (PRC) approval in November 2017, and is currently in the

pre-25% design phase. The Town of Weston is the project proponent. MassDOT met with the Town of Weston and their consultant on 4/12/19 to discuss the proposed design cross section(s) of the roadway. Additionally, Weston hosted a Public Informational Meeting about the project on 5/29/2019 to get feedback from the community regarding the proposed design. This project is located in the Boston Region Metropolitan Planning Organization (MPO) region, and can be considered for programming in the subsequent Federal Fiscal Year (FFY) 2021 – 2025 Transportation Improvement Program (TIP) and STIP. MassDOT will continue to work with the Boston MPO and the Town to communicate the status of the design and provide detailed 25% plans, when available.

From Arthur Strang:

In this STIP, please identify any project that includes a bus lane. A search of the document finds no such term: bus lane, nor bus. Please add to this document the project—A bus lane on the Access Road (slip-ramp) to the Alewife T from 8-lane Route 2. Alternatively, please identify this particular bus lane project, contact person and email/telephone number.

NOTE: The Access Road (the slip ramp) is: under MASSDOT; is over 22-23 feet wide; is wider than two lane—and 2-way bus and truck traffic—Concord Avenue neighboring the intersection of Huron Avenue; but has no parking nor bike traffic, nor many trucks. A “Don’t Block the Box”, on the nearly 90 degree turn of the Access Road, can secure turning for MBTA buses. This bus lane, 1/3 mile or

more, would promote transit on over 5 MBTA bus routes, private van and corporate, educational, nonprofit commuter bus services arriving from Route 128 and beyond, and the Alewife TMA.

MassDOT Response: MassDOT appreciates your comment. This STIP includes significant investment in bus and bus capital related expenses under the Urbanized Area Formula Grants (Section 5307 funds); State of Good Repair Grants (5337 funds) and Bus & Bus Facilities (Section 5339 funds) in each respective Regional Transit Authority, including the MBTA. For specific transit project and program details, please see the transit tables included in this document, or refer to MassDOT's [SFY 2020-2024 CIP](#). For specific design related questions on highway projects with that contain bus related elements or scopes of work, please contact your local [District office](#) for more details. For more information on the MBTA's bus network redesign, please refer to the MBTA's [Better Bus Project](#).

2020-2024 investment tables

Page intentionally left blank

2020

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
----	--------------------	-----	-------------------	-----------------------------	----------	----------------	------------------------	---------------	-------------------	------------------------

SECTION 1A / REGIONALLY PRIORITIZED PROJECTS

Regionally Prioritized Projects

Bicycles and Pedestrians

2020	607411	MARTHA'S VINEYARD	TISBURY	TISBURY-BIKE&PEDESTRIAN IMPROVEMENTS ALONG BEACH ROAD, FROM THE TERMINATION OF THE EXISTING SHARED USE PATH WESTERLY TO THE FIVE CORNERS INTERSECTION	5	CMAQ	\$739,365	\$591,492	\$147,873	Construction/Total Project Cost = \$4,388,393 (2019 \$4,563,929 including 4% inflation) \$3,179,390 Statewide CMAQ and \$1,384,538 of MV Regional funding / AC YR 2 of 2 / PSAC Score 33.5
2020	608027	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- BRADFORD RAIL TRAIL EXTENSION, FROM ROUTE 125 TO RAILROAD STREET	4	STBG	\$779,494	\$623,595	\$155,899	a) Construction; b) \$848,345 = \$779,494 STBG + \$68,851 TAP; d) TEC = 7.15 out of 18 h) City of Haverhill
2020	608027	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- BRADFORD RAIL TRAIL EXTENSION, FROM ROUTE 125 TO RAILROAD STREET	4	TAP	\$68,851	\$55,081	\$13,770	a) Construction; b) \$848,345 = \$779,494 STBG + \$68,851 TAP; d) TEC = 7.15 out of 18 h) City of Haverhill
2020	PV0001	PIONEER VALLEY	MULTIPLE	NORTHAMPTON, AMHERST, CHICOPPE, EASTHAMPTON, HADLEY, HOLYOKE, SOUTH HADLEY, SPRINGFIELD, and WEST SPRINGFIELD: ValleyBike share (phase II)	2	STBG	\$1,200,000	\$960,000	\$240,000	Construction / YOY \$1,200,000 / 35.5 TEC STBG
BICYCLES AND PEDESTRIANS SUBTOTAL:							\$2,787,710	\$2,230,168	\$557,542	

Intersection Improvements

2020	608347	BOSTON	BEVERLY	BEVERLY- INTERSECTION IMPROVEMENTS @ 3 LOCATIONS: CABOT STREET (ROUTE 1A/97) @ DODGE STREET (ROUTE 1A), COUNTY WAY, LONGMEADOW ROAD & SCOTT STREET, MCKAY STREET @ BALCH STREET & VETERANS MEMORIAL BRIDGE (ROUTE 1A) AT RANTOUL, CABOT, WATER & FRONT STREETS	4	CMAQ	\$1,520,271	\$1,216,217	\$304,054	Construction; CMAQ+HSIP Total Cost = \$4,394,886; MPO Evaluation Score = 63
2020	608347	BOSTON	BEVERLY	BEVERLY- INTERSECTION IMPROVEMENTS @ 3 LOCATIONS: CABOT STREET (ROUTE 1A/97) @ DODGE STREET (ROUTE 1A), COUNTY WAY, LONGMEADOW ROAD & SCOTT STREET, MCKAY STREET @ BALCH STREET & VETERANS MEMORIAL BRIDGE (ROUTE 1A) AT RANTOUL, CABOT, WATER & FRONT STREETS	4	HSIP	\$2,874,615	\$2,587,154	\$287,462	Construction; CMAQ+HSIP Total Cost = \$4,394,886; MPO Evaluation Score = 63
2020	606272	CAPE COD	BARNSTABLE	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	HSIP	\$458,514	\$412,663	\$45,851	Construction; Total project cost = \$15,756,274 (2019 STBG + 2019 HSIP + 2019 CMAQ + 2019 TAP + 2019 Statewide NFP + 2020 STBG + 2020 HSIP); MPO score = 83; AC Year 2 of 2; Municipality is TAP proponent; RSA performed; CMAQ approved

2020

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2020	606272	CAPE COD	BARNSTABLE	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	STBG	\$4,008,535	\$3,206,828	\$801,707	Construction; Total project cost = \$15,756,274 (2019 STBG + 2019 HSIP + 2019 CMAQ + 2019 TAP + 2019 Statewide NFP + 2020 STBG + 2020 HSIP); MPO score = 83; AC Year 2 of 2; Municipality is TAP proponent; RSA performed; CMAQ approved
2020	606272	CAPE COD	BARNSTABLE	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	5	TAP	\$205,809	\$164,647	\$41,162	Construction; Total project cost = \$15,756,274 (2019 STBG + 2019 HSIP + 2019 CMAQ + 2019 TAP + 2019 Statewide NFP + 2020 STBG + 2020 HSIP); MPO score = 83; AC Year 2 of 2; Municipality is TAP proponent; RSA performed; CMAQ approved
2020	607538	FRANKLIN	COLRAIN	COLRAIN- INTERSECTION IMPROVEMENTS @ MAIN ROAD, JACKSONVILLE ROAD (ROUTE 112) & GREENFIELD ROAD	1	STBG	\$1,917,473	\$1,533,978	\$383,495	Construction; total project cost \$1,917,473; TEC score 11.3
2020	608375	NORTHERN MIDDLESEX	CHELMSFORD	CHELMSFORD- INTERSECTION IMPROVEMENTS AT BOSTON ROAD AND CONCORD ROAD	4	STBG	\$2,440,923	\$1,952,738	\$488,185	a) Construction; b) Total Project Cost \$2,440,923; STBG; d) NMMPO TEC Score: 5.02 out of 18.
2020	609038	NORTHERN MIDDLESEX	TEWKSBURY	TEWKSBURY-INTERSECTION IMPROVEMENTS AT ANDOVER STREET (ROUTE 133) AND RIVER ROAD	4	STBG	\$3,236,724	\$2,589,379	\$647,345	a) Construction; b) Total Project Cost \$3,518,633; STBG, TAP; d) NMMPO TEC Score: 7.25 out of 18; h) Proponent: Tewksbury.
2020	609038	NORTHERN MIDDLESEX	TEWKSBURY	TEWKSBURY-INTERSECTION IMPROVEMENTS AT ANDOVER STREET (ROUTE 133) AND RIVER ROAD	4	TAP	\$281,909	\$225,527	\$56,382	a) Construction; b) Total Project Cost \$3,518,633; STBG, TAP; d) NMMPO TEC Score: 7.25 out of 18; h) Proponent: Tewksbury.
2020	607502	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- INTERSECTION IMPROVEMENTS AT KING STREET, NORTH STREET & SUMMER STREET AND AT KING STREET & FINN STREET	2	CMAQ	\$923,399	\$738,719	\$184,680	Construction / (YOE \$3,384,309) / 65 TEC / 25% STBG, CMAQ
2020	607502	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- INTERSECTION IMPROVEMENTS AT KING STREET, NORTH STREET & SUMMER STREET AND AT KING STREET & FINN STREET	2	STBG	\$2,460,910	\$1,968,728	\$492,182	Construction / (YOE \$3,384,309) / 65 TEC / 25% STBG, CMAQ
2020	608718	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- INTERSECTION IMPROVEMENTS AT BERKSHIRE AVENUE, COTTAGE AND HARVEY STREETS	2	HSIP	\$1,026,338	\$923,704	\$102,634	Construction / (YOE \$2,280,751) / 41.5 TEC Score 25% STBG, HSIP
2020	608718	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- INTERSECTION IMPROVEMENTS AT BERKSHIRE AVENUE, COTTAGE AND HARVEY STREETS	2	STBG	\$1,254,413	\$1,003,530	\$250,883	Construction / (YOE \$2,280,751) / 41.5 TEC Score 25% STBG, HSIP
2020	607719	SOUTHEASTERN MASSACHUSETTS	MIDDLEBOROUGH	MIDDLEBOROUGH- INTERSECTION IMPROVEMENTS & RELATED WORK AT JOHN GLASS SQUARE	5	STBG	\$2,500,449	\$2,000,359	\$500,090	a) Construction; b) Total Cost = \$2,500,449 STBG; d) EC Score 30 of 100; i) Status 75%

2020

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2020	606718	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	NEW BEDFORD- INTERSECTION IMPROVEMENTS AT HATHAWAY ROAD, MOUNT PLEASANT STREET AND NAUSET STREET	5	CMAQ	\$2,871,848	\$2,297,478	\$574,370	a) Construction; b) Total Cost = \$2,871,848 STBG; d) EC Score 43 of 100; i) Status 75%; CMAQ Eligible Up To \$2,871,848
INTERSECTION IMPROVEMENTS SUBTOTAL:							\$27,982,130	\$22,821,649	\$5,160,482	
Non-Interstate Pavement										
2020	608499	SOUTHEASTERN MASSACHUSETTS	MULTIPLE	DIGHTON- TAUNTON- RESURFACING AND RELATED WORK ON ROUTE 44	5	STBG	\$5,796,000	\$4,636,800	\$1,159,200	a) Construction; b) Total Cost = \$5,796,000 STBG; d) EC Score 45 of 100; i) Status Pre 25%
NON-INTERSTATE PAVEMENT SUBTOTAL:							\$5,796,000	\$4,636,800	\$1,159,200	
Planning / Adjustments / Pass-throughs										
2020	1570	BOSTON	MULTIPLE	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	6	CMAQ	\$18,412,068	\$14,729,654	\$3,682,414	Construction; STBG+CMAQ+Section 5309 (Transit) Total MPO Contribution = \$190,000,000; Total funding in this TIP = \$49,131,200; AC Yr 5 of 6; funding flexed to FTA; match provided by local contributions
2020	CCBR20	CAPE COD	MULTIPLE	CAPE COD - BICYCLE RACK PROGRAM	5	CMAQ	\$100,000	\$80,000	\$20,000	Construction; Total project cost = \$100,000; MPO score = 52; CMAQ approved; Funds to be applied for by municipalities.
2020	NM0006	NORTHERN MIDDLESEX	MULTIPLE	FLEX FUNDING TO TRANSIT FOR LRTA ADMIN OFFICE RENOVATIONS	4	STBG	\$100,000	\$80,000	\$20,000	a) Construction; b) Total cost: \$100,000, STBG; e) Transfer funds to FTA; f) Match provided by LRTA
2020	NM0005	NORTHERN MIDDLESEX	MULTIPLE	FLEX FUNDING TO TRANSIT FOR GALLAGHER II PARKING GARAGE DECK REPAIRS	4	STBG	\$120,000	\$96,000	\$24,000	a) Construction; b) Total cost: \$120,000, STBG; e) Transfer funds to FTA; f) Match provided by LRTA
2020	NM0004	NORTHERN MIDDLESEX	MULTIPLE	FLEX FUNDING TO TRANSIT FOR GALLAGHER INTERMODAL TRANSPORTATION CENTER AND PARKING GARAGE WAYFINDING	4	STBG	\$200,000	\$160,000	\$40,000	a) Construction; b) Total cost: \$200,000, STBG; e) Transfer funds to FTA; f) Match provided by LRTA
2020	NM0003	NORTHERN MIDDLESEX	MULTIPLE	FLEX FUNDING TO TRANSIT FOR GALLAGHER STAIRWELL AND CORRIDOR PROJECT	4	STBG	\$500,000	\$400,000	\$100,000	a) Construction; b) Total cost: \$500,000, STBG; e) Transfer funds to FTA; f) Match provided by LRTA
2020	PV0002	PIONEER VALLEY	MULTIPLE	P 21 Express Year 3	2	CMAQ	\$500,000	\$400,000	\$100,000	Funding Year 3 / STBG
PLANNING / ADJUSTMENTS / PASS-THROUGHSSUBTOTAL:							\$19,932,068	\$15,945,654	\$3,986,414	
Roadway Reconstruction										
2020	607328	BERKSHIRE	ADAMS	ADAMS- PAVEMENT REHABILITATION & RELATED WORK ON ROUTE 8	1	CMAQ	\$336,289	\$269,031	\$67,258	STBG + CMAQ; Total Cost = 7,285,450; MPO evaluation score 6 of 8; Design Status: 75%

2020

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2020	607328	BERKSHIRE	ADAMS	ADAMS- PAVEMENT REHABILITATION & RELATED WORK ON ROUTE 8	1	STBG	\$6,949,161	\$5,559,329	\$1,389,832	STBG + CMAQ; Total Cost = 7,285,450; MPO evaluation score 6 of 8; Design Status: 75%
2020	604123	BOSTON	ASHLAND	ASHLAND- RECONSTRUCTION ON ROUTE 126 (POND STREET), FROM THE FRAMINGHAM T.L. TO THE HOLLISTON T.L.	3	CMAQ	\$1,000,000	\$800,000	\$200,000	Construction; STBG+CMAQ+TAP Total Cost = \$16,304,925; MPO Evaluation Score = 54
2020	604123	BOSTON	ASHLAND	ASHLAND- RECONSTRUCTION ON ROUTE 126 (POND STREET), FROM THE FRAMINGHAM T.L. TO THE HOLLISTON T.L.	3	STBG	\$13,198,444	\$10,558,755	\$2,639,689	Construction; STBG+CMAQ+TAP Total Cost = \$16,304,925; MPO Evaluation Score = 54
2020	604123	BOSTON	ASHLAND	ASHLAND- RECONSTRUCTION ON ROUTE 126 (POND STREET), FROM THE FRAMINGHAM T.L. TO THE HOLLISTON T.L.	3	TAP	\$2,106,481	\$1,685,185	\$421,296	Construction; STBG+CMAQ+TAP Total Cost = \$16,304,925; MPO Evaluation Score = 54; TAP Proponent = Ashland
2020	606043	BOSTON	HOPKINTON	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	3	CMAQ	\$2,365,425	\$1,892,340	\$473,085	Construction; CMAQ+STBG Total Cost = \$7,946,749
2020	606043	BOSTON	HOPKINTON	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	3	STBG	\$5,581,324	\$4,465,059	\$1,116,265	Construction; CMAQ+STBG Total Cost = \$7,946,749
2020	607652	BOSTON	EVERETT	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	4	CMAQ	\$1,884,270	\$1,507,416	\$376,854	Construction; CMAQ+STBG+HSIP+TAP Total Cost = \$16,119,557; MPO Evaluation Score = 73
2020	607652	BOSTON	EVERETT	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	4	HSIP	\$1,050,296	\$945,266	\$105,030	Construction; CMAQ+STBG+HSIP+TAP Total Cost = \$16,119,557; MPO Evaluation Score = 73
2020	607652	BOSTON	EVERETT	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	4	STBG	\$12,460,579	\$9,968,463	\$2,492,116	Construction; CMAQ+STBG+HSIP+TAP Total Cost = \$16,119,557; MPO Evaluation Score = 73
2020	607652	BOSTON	EVERETT	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	4	TAP	\$724,412	\$579,530	\$144,882	Construction; CMAQ+STBG+HSIP+TAP Total Cost = \$16,119,557; MPO Evaluation Score = 73; TAP Proponent = Everett
2020	608275	BOSTON	MALDEN	MALDEN - EXCHANGE STREET DOWNTOWN IMPROVEMENT PROJECT	4	CMAQ	\$1,000,000	\$800,000	\$200,000	Construction; CMAQ+STBG Total Cost = \$1,988,532; MPO Evaluation Score = 59
2020	608275	BOSTON	MALDEN	MALDEN - EXCHANGE STREET DOWNTOWN IMPROVEMENT PROJECT	4	STBG	\$988,532	\$790,826	\$197,706	Construction; CMAQ+STBG Total Cost = \$1,988,532; MPO Evaluation Score = 59
2020	602261	BOSTON	WALPOLE	WALPOLE- RECONSTRUCTION ON ROUTE 1A (MAIN STREET), FROM THE NORWOOD T.L. TO ROUTE 27, INCLUDES W-03-024 OVER THE NEPONSET RIVER	5	CMAQ	\$1,000,000	\$800,000	\$200,000	Construction; STBG+CMAQ+TAP Total Cost = \$19,906,002; MPO Evaluation Score = 51
2020	602261	BOSTON	WALPOLE	WALPOLE- RECONSTRUCTION ON ROUTE 1A (MAIN STREET), FROM THE NORWOOD T.L. TO ROUTE 27, INCLUDES W-03-024 OVER THE NEPONSET RIVER	5	STBG	\$17,047,565	\$13,638,052	\$3,409,513	Construction; STBG+CMAQ+TAP Total Cost = \$19,906,002; MPO Evaluation Score = 51
2020	602261	BOSTON	WALPOLE	WALPOLE- RECONSTRUCTION ON ROUTE 1A (MAIN STREET), FROM THE NORWOOD T.L. TO ROUTE 27, INCLUDES W-03-024 OVER THE NEPONSET RIVER	5	TAP	\$1,858,437	\$1,486,750	\$371,687	Construction; STBG+CMAQ+TAP Total Cost = \$19,906,002; MPO Evaluation Score = 51; TAP Proponent = Walpole

2020										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2020	606635	BOSTON	MULTIPLE	NEEDHAM-NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	6	HSIP	\$4,500,000	\$4,050,000	\$450,000	Construction; CMAQ+HSIP+TAP+STBG Total Cost = \$29,601,436; AC Yr 2 of 2; MPO Evaluation Score = 75
2020	606635	BOSTON	MULTIPLE	NEEDHAM-NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	6	STBG	\$12,905,937	\$10,324,750	\$2,581,187	Construction; CMAQ+HSIP+TAP+STBG Total Cost = \$29,601,436; AC Yr 2 of 2; MPO Evaluation Score = 75
2020	606900	CAPE COD	BOURNE	BOURNE- TRAFFIC AND MULTI-MODAL IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 6/25/28	5	CMAQ	\$1,046,285	\$837,028	\$209,257	Construction; Total project cost = \$4,971,140 (STBG + CMAQ); MPO score = 82; CMAQ approved
2020	606900	CAPE COD	BOURNE	BOURNE- TRAFFIC AND MULTI-MODAL IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 6/25/28	5	STBG	\$3,924,855	\$3,139,884	\$784,971	Construction; Total project cost = \$4,971,140 (STBG + CMAQ); MPO score = 82; CMAQ approved
2020	602659	CENTRAL MASSACHUSETTS	MULTIPLE	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	3	CMAQ	\$2,184,000	\$1,747,200	\$436,800	a) Construction; b) Total Project Cost = \$62,433,862 w/\$11,386,727 of Central Mass regional funding in 2020 and 2021 / c) AC YR 1 of 2 / d) PM Score = 19
2020	602659	CENTRAL MASSACHUSETTS	MULTIPLE	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	3	HSIP	\$873,600	\$786,240	\$87,360	a) Construction; b) Total Project Cost = \$62,433,862 w/\$11,386,727 of Central Mass regional funding in 2020 and 2021 / c) AC YR 1 of 2 / d) PM Score = 19
2020	602659	CENTRAL MASSACHUSETTS	MULTIPLE	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	3	STBG	\$5,982,400	\$4,785,920	\$1,196,480	a) Construction; b) Total Project Cost = \$62,433,862 w/\$11,386,727 of Central Mass regional funding in 2020 and 2021 / c) AC YR 1 of 2 / d) PM Score = 19
2020	608764	CENTRAL MASSACHUSETTS	UPTON	UPTON - RECONSTRUCTION OF HARTFORD AVENUE NORTH AND HIGH STREET (PHASE II)	3	STBG	\$5,145,525	\$4,116,420	\$1,029,105	a) Construction / b) STBG + TAP Total Project Cost = \$5,717,250 / d) PM Score = 12 / i) Design Status = 75%
2020	608764	CENTRAL MASSACHUSETTS	UPTON	UPTON - RECONSTRUCTION OF HARTFORD AVENUE NORTH AND HIGH STREET (PHASE II)	3	TAP	\$571,725	\$457,380	\$114,345	a) Construction / b) STBG + TAP Total Project Cost = \$5,717,250 / d) PM Score = 12 / h) Project Proponent is the town of Upton / i) Design Status = 75%
2020	608038	CENTRAL MASSACHUSETTS	WEBSTER	WEBSTER - RESURFACING & RELATED WORK OF KLEBART AVENUE & LAKE PARKWAY	3	STBG	\$5,855,558	\$4,684,446	\$1,171,112	a) Construction / b) STBG Total Project Cost = \$5,855,558 / d) PM Score = 11 / i) Design Status = 75%
2020	606507	FRANKLIN	CHARLEMONT	CHARLEMONT- ROADWAY RECONSTRUCTION AND VILLAGE CENTER TRAFFIC CALMING ON ROUTE 2, FROM MM 29.5 TO MM 31.0	1	STBG	\$691,801	\$553,441	\$138,360	Construction; Total project cost \$7,860,350, A/C Year 2 of 2; Year 2 cost \$691,801; TEC score 9.4
2020	607245	FRANKLIN	SUNDERLAND	SUNDERLAND- RESURFACING & RELATED WORK ON A SECTION OF NORTH MAIN STREET (ROUTE 47), FROM ROUTE 116 TO CLAYBROOK DRIVE	2	STBG	\$2,655,824	\$2,124,659	\$531,165	Construction; total project cost \$2,655,824; TEC score 10.8

2020

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2020	602418	MERRIMACK VALLEY	AMESBURY	AMESBURY- RECONSTRUCTION OF ELM STREET	4	STBG	\$7,223,053	\$5,778,442	\$1,444,611	a) Construction; b) \$11,178,124 = \$3,955,071 STBG 2019 + \$7,223,053 STBG 2020; c) AC Year 2 of 2 = \$7,223,053; d) TEC = 5.98 out of 18
2020	607902	MONTACHUSETT	AYER	AYER- RECLAMATION & RELATED WORK ON ROUTE 2A, FROM HARVARD ROAD TO MAIN STREET	3	STBG	\$3,837,875	\$3,070,300	\$767,575	Construction; TEC Score 32; 2020 Cost \$3,837,875; Design at or near 100%;
2020	605651	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	CMAQ	\$1,266,256	\$1,013,005	\$253,251	Construction; TEC Score 46; Total \$5,994,626; HSIP/CMAQ/TAP/STBG; TAP Proponent State/Leominster; cost includes Utilities; 100% Design; PS&E due 3/31/2020
2020	605651	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	HSIP	\$1,055,190	\$949,671	\$105,519	Construction; TEC Score 46; Total \$5,994,626; HSIP/CMAQ/TAP/STBG; TAP Proponent State/Leominster; cost includes Utilities; 100% Design; PS&E due 3/31/2020
2020	605651	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	STBG	\$2,617,990	\$2,094,392	\$523,598	Construction; TEC Score 46; Total \$5,994,626; HSIP/CMAQ/TAP/STBG; TAP Proponent State/Leominster; cost includes Utilities; 100% Design; PS&E due 3/31/2020
2020	605651	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	3	TAP	\$1,055,190	\$844,152	\$211,038	Construction; TEC Score 46; Total \$5,994,626; HSIP/CMAQ/TAP/STBG; TAP Proponent State/Leominster; cost includes Utilities; 100% Design; PS&E due 3/31/2020
2020	608088	OLD COLONY	BROCKTON	BROCKTON - CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), FROM ANGUS BEATON DRIVE TO WEST STREET	5	HSIP	\$386,938	\$348,244	\$38,694	a) Construction; b) Total Project Cost = \$7,350,265 w/ \$4,881,399 of STBG funding, and \$386,938 of HSIP funding, and \$2,081,928 of Statewide CMAQ funding; d) MPO score 60
2020	608088	OLD COLONY	BROCKTON	BROCKTON - CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), FROM ANGUS BEATON DRIVE TO WEST STREET	5	STBG	\$4,881,399	\$3,905,119	\$976,280	a) Construction; b) Total Project Cost = \$7,350,265 w/ \$4,881,399 of STBG funding, and \$386,938 of HSIP funding, and \$2,081,928 of Statewide CMAQ funding; d) MPO score 60
2020	608266	OLD COLONY	PEMBROKE	PEMBROKE - RESURFACING AND RELATED WORK ON ROUTE 53	5	STBG	\$2,725,075	\$2,180,060	\$545,015	a) Construction; b) Total Project Cost = \$2,725,075 of STBG funding; d) MPO score 38.22
2020	604434	PIONEER VALLEY	CHICOPEE	CHICOPEE- RECONSTRUCTION & RELATED WORK ON FULLER ROAD, FROM MEMORIAL DR (RTE 33) TO SHAWINIGAN DR (2.0 MILES)	2	HSIP	\$2,008,553	\$1,807,698	\$200,855	Construction / (YOE \$8,034,211) / 49.5 TEC / 75% STBG, HSIP
2020	604434	PIONEER VALLEY	CHICOPEE	CHICOPEE- RECONSTRUCTION & RELATED WORK ON FULLER ROAD, FROM MEMORIAL DR (RTE 33) TO SHAWINIGAN DR (2.0 MILES)	2	STBG	\$6,025,658	\$4,820,526	\$1,205,132	Construction / (YOE \$8,034,211) / 49.5 TEC / 75% STBG, HSIP

2020

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2020	608236	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- RECONSTRUCTION OF DAMON ROAD, FROM ROUTE 9 TO ROUTE 5, INCLUDES DRAINAGE SYSTEM REPAIRS & SLOPE STABILIZATION AT THE NORWOTTUCK	2	STBG	\$10,043,653	\$8,034,922	\$2,008,731	Construction / (YOE \$10,043,653) / 66.5 TEC / PS&E STBG
2020	607572	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- CORRIDOR IMPROVEMENTS & RELATED WORK ON BROADWAY (ROUTE 138), FROM LEONARD STREET NORTHERLY TO PURCHASE STREET (PHASE 1)	5	STBG	\$6,089,113	\$4,871,290	\$1,217,823	a) Construction; b) Total Cost = \$6,581,543 - TAP (\$492,430) / STBG (\$6,089,113); d) EC Score 58 of 100; h) Project Proponent - Taunton; i) Status 75%
2020	607572	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- CORRIDOR IMPROVEMENTS & RELATED WORK ON BROADWAY (ROUTE 138), FROM LEONARD STREET NORTHERLY TO PURCHASE STREET (PHASE 1)	5	TAP	\$492,430	\$393,944	\$98,486	a) Construction; b) Total Cost = \$6,581,543 - TAP (\$492,430) / STBG (\$6,089,113); d) EC Score 58 of 100; h) Project Proponent - Taunton; i) Status 75%
ROADWAY RECONSTRUCTION SUBTOTAL:							\$165,597,098	\$133,465,135	\$32,131,963	
REGIONALLY PRIORITIZED PROJECTS SUBTOTAL:							\$222,095,006	\$179,099,406	\$42,995,601	
SECTION 1A / REGIONALLY PRIORITIZED PROJECTS TOTAL:							\$222,095,006	\$179,099,406	\$42,995,601	

SECTION 1B / EARMARK OR DISCRETIONARY GRANT FUNDED PROJECTS

Other Federal Aid

2020	609476	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER- CLEANING & PAINTING AND VARIOUS REPAIRS OF W-44-082, I-290 (MAINLINE) AND RAMPS OVER THE MBTA/CSX & CITY STREETS	3	OTHER FA	\$3,382,741	\$2,706,193	\$676,548	a) Construction / b) HIP + NHPP Total Project Cost = \$13,154,029
2020	605674	CENTRAL MASSACHUSETTS	STURBRIDGE	STURBRIDGE - GRAND TRUNK TRAIL CONSTRUCTION, FROM ED CALCUTT BRIDGE TO THE INTERSECTION OF RIVER ROAD & FARQUHAR ROAD	3	HPP	\$578,130	\$462,504	\$115,626	a) Construction / b) Total Project Cost = \$578,130 / g) HPP#2439 - MA162 / i) Design Status = TBD
OTHER FEDERAL AID SUBTOTAL:							\$3,960,871	\$3,168,697	\$792,174	
SECTION 1B / EARMARK OR DISCRETIONARY GRANT FUNDED PROJECTS TOTAL:							\$3,960,871	\$3,168,697	\$792,174	

SECTION 2A / STATE PRIORITIZED RELIABILITY PROJECTS

Bridge Program / Inspections

2020	TI20	STATEWIDE	MULTIPLE	Tunnel Inspection	Multi	NHPP-OFF	\$500,000	\$400,000	\$100,000	
2020	BRI20	STATEWIDE	MULTIPLE	Bridge Inspection	Multi	NHPP-OFF	\$8,253,000	\$6,602,400	\$1,650,600	
2020	BRI20	STATEWIDE	MULTIPLE	Bridge Inspection	Multi	NHPP-ON	\$10,087,000	\$8,069,600	\$2,017,400	

2020

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2020	BRI20	STATEWIDE	MULTIPLE	Bridge Inspection	Multi	STBG-BR-OFF	\$7,860,000	\$6,288,000	\$1,572,000	
BRIDGE PROGRAM / INSPECTIONS SUBTOTAL:							\$26,700,000	\$21,360,000	\$5,340,000	
Bridge Program / Off System										
2020	608645	BERKSHIRE	NEW MARLBOROUGH	NEW MARLBOROUGH- BRIDGE REPLACEMENT, N-08-006, CAMPBELL FALLS ROAD OVER WHITING RIVER	1	STBG-BR-OFF	\$787,317	\$629,854	\$157,463	
2020	608646	BERKSHIRE	TYRINGHAM	TYRINGHAM- BRIDGE REPLACEMENT, T-10-007, MONTEREY ROAD OVER HOP BROOK	1	STBG-BR-OFF	\$1,441,165	\$1,152,932	\$288,233	
2020	608633	CENTRAL MASSACHUSETTS	WEST BROOKFIELD	WEST BROOKFIELD- BRIDGE REPLACEMENT, W-19-009, FOSTER HILL ROAD OVER COYS BROOK	2	STBG-BR-OFF	\$1,837,034	\$1,469,627	\$367,407	a) Construction
2020	608643	FRANKLIN	CHARLEMONT	CHARLEMONT- BRIDGE REPLACEMENT, C-05-037, WEST OXBOW ROAD OVER WILDER BROOK	1	STBG-BR-OFF	\$1,441,401	\$1,153,121	\$288,280	Construction. Total project cost \$1,441,401
2020	608644	FRANKLIN	CHARLEMONT	CHARLEMONT- BRIDGE REPLACEMENT, C-05-008, TOWER ROAD OVER CHICKLEY RIVER	1	STBG-BR-OFF	\$3,839,236	\$3,071,389	\$767,847	Construction. Total project cost \$3,839,236
2020	608635	MONTACHUSETT	SHIRLEY	SHIRLEY- BRIDGE REPLACEMENT, S-13-005, CARRYING LONGLEY ROAD OVER THE Mulpus Brook	3	STBG-BR-OFF	\$1,548,259	\$1,238,607	\$309,652	
2020	608639	MONTACHUSETT	WESTMINSTER	WESTMINSTER- BRIDGE REPLACEMENT, W-28-010, CARRYING WHITMANVILLE ROAD OVER THE WHITMAN RIVER	3	STBG-BR-OFF	\$2,845,266	\$2,276,213	\$569,053	
2020	608631	PIONEER VALLEY	WESTHAMPTON	WESTHAMPTON- BRIDGE REPLACEMENT, W-27-005, KINGS HIGHWAY OVER N BRANCH MANHAN RIVER	2	STBG-BR-OFF	\$1,937,318	\$1,549,854	\$387,464	
2020	606632	STATEWIDE	MULTIPLE	HOPKINTON- WESTBOROUGH- BRIDGE REPLACEMENT, H-23-006=W-24-016, FRUIT STREET OVER CSX & SUDBURY RIVER	3	STBG-BR-OFF	\$12,993,071	\$10,394,457	\$2,598,614	
BRIDGE PROGRAM / OFF-SYSTEM SUBTOTAL:							\$28,670,067	\$22,936,054	\$5,734,013	
Bridge Program / On System (NHS)										
2020	605342	BOSTON	STOW	STOW- BRIDGE REPLACEMENT, S-29-001, (ST 62) GLEASONDALE ROAD OVER THE ASSABET RIVER	3	NHPP-ON	\$6,706,560	\$5,365,248	\$1,341,312	
2020	604952	BOSTON	MULTIPLE	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	4	NHPP-ON	\$14,694,121	\$11,755,297	\$2,938,824	AC Year 2 of 5, Total Cost \$84,253,135
2020	604173	BOSTON	BOSTON	BOSTON- BRIDGE REPLACEMENT, B-16-016, NORTH WASHINGTON STREET OVER THE BOSTON INNER HARBOR	6	NHPP-ON	\$26,291,954	\$21,033,563	\$5,258,391	AC Year 4 of 6, Total Cost \$176,318,433
2020	605287	BOSTON	CHELSEA	CHELSEA- ROUTE 1 VIADUCT REHABILITATION (SB/NB) ON C-09-007 & C-09-011	6	NHPP-ON	\$39,152,831	\$31,322,265	\$7,830,566	AC Year 3 of 4, Total Cost \$213,972,689
2020	606309	FRANKLIN	ORANGE	ORANGE- BRIDGE REPLACEMENT, O-03-021, ROUTE 2 OVER ROUTE 202	2	NHPP-ON	\$17,709,966	\$14,167,973	\$3,541,993	Construction. Total project cost \$17,709,966.

2020

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2020	605306	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- BRIDGE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER	4	NHPP-ON	\$15,305,880	\$12,244,704	\$3,061,176	AC Year 3 of 6, Total Cost \$118,786,388
2020	606552	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- BRIDGE RECONSTRUCTION, N-19-059, I-91 OVER US 5/BMRR & N-19-060, I-91 OVER HOCKANUM ROAD	2	NHPP-ON	\$4,671,793	\$3,737,434	\$934,359	AC Year 1 of 5, Total Cost \$56,891,767
2020	400103	PIONEER VALLEY	WESTFIELD	WESTFIELD- BRIDGE REPLACEMENT, W-25-006, ROUTE 10/202 (SOUTHWICK ROAD) OVER THE LITTLE RIVER	2	NHPP-ON	\$13,276,980	\$10,621,584	\$2,655,396	
BRIDGE PROGRAM / ON-SYSTEM (NHS)SUBTOTAL:							\$137,810,085	\$110,248,068	\$27,562,017	

Bridge Program / On System (Non NHS)

2020	604189	FRANKLIN	BERNARDSTON	BERNARDSTON- BRIDGE REPLACEMENT, B-10-004, U.S. ROUTE 5 (BRATTLEBORO ROAD) OVER SHATTUCK BROOK	2	NHPP-OFF	\$2,993,214	\$2,394,571	\$598,643	Construction. Total project cost \$2,993,214
BRIDGE PROGRAM / ON-SYSTEM (NON-NHS)SUBTOTAL:							\$2,993,214	\$2,394,571	\$598,643	

Bridge Program / Systematic Maintenance

2020	609161	BERKSHIRE	ADAMS	ADAMS- SYSTEMATIC BRIDGE MAINTENANCE, A-04-001, ROUTE 8 (GROVE ST) OVER ASHUWILLTICOOK RAIL-TRAIL AND HOOSIC RIVER	1	NHPP-OFF	\$522,200	\$417,760	\$104,440	
2020	609477	CENTRAL MASSACHUSETTS	AUBURN	AUBURN- CLEANING & PAINTING OF A-17-030, A-17-033, A-17-037 & A-17-040 (4 BRIDGES)	3	NHPP-ON	\$1,997,000	\$1,597,600	\$399,400	a) Construction
2020	609476	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER- CLEANING & PAINTING AND VARIOUS REPAIRS OF W-44-082, I-290 (MAINLINE) AND RAMPS OVER THE MBTA/CSX & CITY STREETS	3	NHPP-ON	\$9,771,288	\$7,817,030	\$1,954,258	a) Construction / b) HIP + NHPP Total Project Cost = \$13,154,029
2020	608550	STATEWIDE	MULTIPLE	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2020)	2	NHPP-OFF	\$1,428,571	\$1,142,857	\$285,714	
2020	608592	STATEWIDE	MULTIPLE	DISTRICT 5- SYSTEMATIC BRIDGE PRESERVATION ALONG THE I-95 CORRIDOR	5	NHPP-ON	\$2,724,909	\$2,179,927	\$544,982	
BRIDGE PROGRAM / SYSTEMATIC MAINTENANCE SUBTOTAL:							\$16,443,968	\$13,155,174	\$3,288,794	

Interstate Pavement

2020	609401	CENTRAL MASSACHUSETTS	MULTIPLE	HOLDEN - WEST BOYLSTON - RESURFACING AND RELATED WORK ON I-190	3	NHPP	\$7,929,600	\$7,136,640	\$792,960	a) Construction
2020	609400	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - RESURFACING AND RELATED WORK ON I-290	3	NHPP	\$10,631,800	\$9,568,620	\$1,063,180	a) Construction
2020	608825	SOUTHEASTERN MASSACHUSETTS	MIDDLEBOROUGH	MIDDLEBOROUGH - PAVEMENT PRESERVATION AND RELATED WORK ON I-495	5	NHPP	\$2,832,000	\$2,548,800	\$283,200	
2020	608378	STATEWIDE	MULTIPLE	DANVERS-TOPSFIELD-BOXFORD-ROWLEY IM RESURFACING AND RELATED WORK ON I-95	4	NHPP	\$20,237,000	\$18,213,300	\$2,023,700	
INTERSTATE PAVEMENT SUBTOTAL:							\$41,630,400	\$37,467,360	\$4,163,040	

2020										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
Non Interstate Pavement										
2020	609104	BERKSHIRE	LEE	LEE - RESURFACING AND RELATED WORK ON ROUTE 20	1	NHPP	\$1,937,500	\$1,550,000	\$387,500	
2020	608812	BERKSHIRE	MULTIPLE	FLORIDA- SAVOY - RESURFACING AND RELATED WORK ON ROUTE 2	1	NHPP	\$6,872,320	\$5,497,856	\$1,374,464	
2020	608486	BERKSHIRE	WILLIAMSTOWN	WILLIAMSTOWN - RESURFACING AND RELATED WORK ON ROUTE 43	1	NHPP	\$3,093,750	\$2,475,000	\$618,750	
2020	609102	BOSTON	MULTIPLE	WENHAM - GLOUCESTER - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 128	4	NHPP	\$13,083,840	\$10,467,072	\$2,616,768	
2020	609101	BOSTON	PEABODY	PEABODY - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 128	4	NHPP	\$5,025,000	\$4,020,000	\$1,005,000	
2020	608482	BOSTON	MULTIPLE	CAMBRIDGE-SOMERVILLE- RESURFACING AND RELATED WORK ON ROUTE 28	Multi	NHPP	\$7,080,000	\$5,664,000	\$1,416,000	
2020	609106	CENTRAL MASSACHUSETTS	MULTIPLE	DOUGLAS-NORTHBRIDGE-SUTTON-UXBRIDGE- PAVEMENT PRESERVATION ON ROUTE 146	3	NHPP	\$13,452,000	\$10,761,600	\$2,690,400	a) Construction
2020	609397	MONTACHUSETT	MULTIPLE	ATHOL-PHILLIPSTON - RESURFACING AND RELATED WORK ON ROUTE 2	2	NHPP	\$7,995,680	\$6,396,544	\$1,599,136	
2020	608820	OLD COLONY	MULTIPLE	BRIDGEWATER - BROCKTON - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 24	5	NHPP	\$17,851,040	\$14,280,832	\$3,570,208	
2020	608473	PIONEER VALLEY	SOUTH HADLEY	SOUTH HADLEY - RESURFACING AND RELATED WORK ON ROUTE 116	2	NHPP	\$4,987,500	\$3,990,000	\$997,500	
NON-INTERSTATE PAVEMENT SUBTOTAL:							\$81,378,630	\$65,102,904	\$16,275,726	
Roadway Improvements										
2020	609222	BOSTON	ARLINGTON	ARLINGTON - SPY POND SEDIMENT REMOVAL	4	STBG	\$950,000	\$760,000	\$190,000	
2020	608598	CAPE COD	ORLEANS	ORLEANS- STORMWATER IMPROVEMENTS ALONG ROUTE 28	5	STBG	\$574,938	\$459,950	\$114,988	Construction; MPO score = 36
2020	608057	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - STORMWATER IMPROVEMENTS ALONG I-290 AND 122A	3	STBG	\$2,257,816	\$1,806,253	\$451,563	a) Construction
ROADWAY IMPROVEMENTS SUBTOTAL:							\$3,782,754	\$3,026,203	\$756,551	
Safety Improvements										
2020	608205	BOSTON	MULTIPLE	READING TO LYNNFIELD- GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF I-95 (SR 128)	4	HSIP	\$4,500,000	\$4,050,000	\$450,000	
2020	608608	BOSTON	BRAINTREE	BRAINTREE- HIGHWAY LIGHTING IMPROVEMENTS AT I-93/ROUTE 3 INTERCHANGE	6	HSIP	\$2,688,726	\$2,419,853	\$268,873	AC Year 2 of 2
2020	608611	BOSTON	MULTIPLE	CANTON- MILTON- RANDOLPH- REPLACEMENT AND REHABILITATION OF THE HIGHWAY LIGHTING SYSTEM AT THE ROUTE 24/ROUTE 1/I-93 INTERCHANGE	6	NHPP	\$8,735,250	\$6,988,200	\$1,747,050	

2020

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2020	608571	CAPE COD	MULTIPLE	BOURNE TO FALMOUTH- GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF ROUTE 28	5	HSIP	\$433,000	\$389,700	\$43,300	
2020	608575	PIONEER VALLEY	MULTIPLE	CHICOPEE TO HOLYOKE- GUIDE AND TRAFFIC SIGN REPLACEMENT ON I-391	2	HSIP	\$1,861,310	\$1,675,179	\$186,131	
2020	609299	SOUTHEASTERN MASSACHUSETTS	MULTIPLE	FALL RIVER- WESTPORT- INSTALLATION OF SIGN PANELS AND SUPPORTS AT EIGHT LOCATIONS ON I-195 AND ROUTE 24	5	HSIP	\$1,000,000	\$900,000	\$100,000	
2020	608378	STATEWIDE	MULTIPLE	DANVERS- TOPSFIELD- BOXFORD- ROWLEY- INTERSTATE MAINTENANCE AND RELATED WORK ON I-95	4	HSIP	\$2,000,000	\$1,800,000	\$200,000	
2020	TBD	STATEWIDE	MULTIPLE	STATEWIDE - CURVE WARNING SIGNS	Multi	HSIP	\$998,381	\$898,543	\$99,838	

SAFETY IMPROVEMENTS SUBTOTAL: \$22,216,667 \$19,121,475 \$3,095,192

SECTION 2A / STATE PRIORITIZED RELIABILITY PROJECTS TOTAL: \$361,625,785 \$294,811,809 \$66,813,976

SECTION 2B / STATE PRIORITIZED MODERNIZATION PROJECTS

Intelligent Transportation Systems

2020	609378	STATEWIDE	MULTIPLE	DISTRICT 4- EXPANSION OF ITS ROADWAY DEVICES FOR HIGHWAY OPERATIONS	4	NHPP	\$2,897,491	\$2,317,993	\$579,498	
2020	609084	STATEWIDE	MULTIPLE	DISTRICT 4- EXPANSION OF ITS ROADWAY DEVICES FOR HIGHWAY OPERATIONS	4	NHPP	\$3,392,356	\$2,713,884	\$678,471	c) AC YR 2 of 2, TFPC=\$4,524,694
2020	609379	STATEWIDE	MULTIPLE	DISTRICT 5- EXPANSION OF ITS ROADWAY DEVICES FOR HIGHWAY OPERATIONS	5	NHPP	\$2,897,491	\$2,317,993	\$579,498	
2020	609085	STATEWIDE	MULTIPLE	DISTRICT 5- EXPANSION OF ITS ROADWAY DEVICES FOR HIGHWAY OPERATIONS	5	NHPP	\$3,312,662	\$2,650,129	\$662,532	c) AC YR 2 of 2, TFPC=\$4,445,000

INTELLIGENT TRANSPORTATION SYSTEMS SUBTOTAL: \$12,500,000 \$9,999,999 \$2,499,999

Intersection Improvements

2020	607756	BERKSHIRE	GREAT BARRINGTON	GREAT BARRINGTON- INTERSECTION & SIGNAL IMPROVEMENTS ON US 7 (SOUTH MAIN STREET) AT SR 23 & SR 41 (MAPLE AVENUE)	1	HSIP	\$1,463,774	\$1,317,397	\$146,377	
2020	606011	FRANKLIN	MULTIPLE	DEERFIELD- WHATELY- RESURFACING & RELATED WORK ON ROUTES 5 & 10, FROM OLD STATE ROAD TO CONWAY ROAD (1.1 MILES)	1	HSIP	\$2,574,885	\$2,317,397	\$257,489	Construction; total project cost \$2,574,885; TEC score 10.3
2020	TBD	STATEWIDE	MULTIPLE	STATEWIDE - WRONG WAY ENTRY COUNTERMEASURES	Multi	HSIP	\$3,000,000	\$2,700,000	\$300,000	

INTERSECTION IMPROVEMENTS SUBTOTAL: \$7,038,659 \$6,334,794 \$703,866

2020										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
Roadway Reconstruction										
2020	608835	BOSTON	MEDFORD	MEDFORD- IMPROVEMENTS AT BROOKS ELEMENTARY SCHOOL (SRTS)	4	TAP	\$989,895	\$791,916	\$197,979	
2020	608743	BOSTON	SALEM	SALEM- IMPROVEMENTS AT BATES ELEMENTARY SCHOOL (SRTS)	4	TAP	\$384,658	\$307,726	\$76,932	
2020	608791	BOSTON	WINCHESTER	WINCHESTER- IMPROVEMENTS AT VINSON-OWEN ELEMENTARY SCHOOL (SRTS)	4	TAP	\$1,671,716	\$1,337,373	\$334,343	
2020	602659	CENTRAL MASSACHUSETTS	MULTIPLE	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	3	NHPP	\$4,000,000	\$3,200,000	\$800,000	a) Construction; b) Total Project Cost = \$62,433,862/AC YR 1 of 2
2020	608088	OLD COLONY	BROCKTON	BROCKTON - CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), FROM ANGUS BEATON DRIVE TO WEST STREET	5	CMAQ	\$2,081,928	\$1,665,542	\$416,386	a) Construction; b) Total Project Cost = \$7,350,265 w/ \$4,881,399 of STBG funding, and \$386,938 of HSIP funding, and \$2,081,928 of Statewide CMAQ funding; d) MPO score 60
ROADWAY RECONSTRUCTION SUBTOTAL:							\$9,128,197	\$7,302,557	\$1,825,640	
SECTION 2B / STATE PRIORITIZED MODERNIZATION PROJECTS TOTAL:							\$28,666,856	\$23,637,350	\$5,029,505	
SECTION 2C / STATE PRIORITIZED EXPANSION PROJECTS										
Bicycles and Pedestrians										
2020	606891	BERKSHIRE	LANESBOROUGH	LANESBOROUGH- PITTSFIELD- ASHUWILLTICOOK RAIL TRAIL EXTENSION TO CRANE AVENUE	1	CMAQ	\$2,704,236	\$2,163,389	\$540,847	
2020	607254	BERKSHIRE	WILLIAMSTOWN	WILLIAMSTOWN- MOHAWK BICYCLE/PEDESTRIAN TRAIL CONSTRUCTION	1	CMAQ	\$6,015,525	\$4,812,420	\$1,203,105	
2020	607411	MARTHA'S VINEYARD	TISBURY	TISBURY- BIKE & PEDESTRIAN IMPROVEMENTS ALONG BEACH ROAD, FROM THE TERMINATION OF THE EXISTING SHARED USE PATH WESTERLY TO THE FIVE CORNERS INTERSECTION	5	CMAQ	\$3,623,613	\$2,898,890	\$724,723	Construction/Total Project Cost = \$5,075,690.22; \$3,623,613 Statewide CMAQ and \$1,452,077 of MV Regional funding / AC YR 2 of 2 / PSAC Score 33.5
2020	609411	MONTACHUSETT	MULTIPLE	FITCHBURG- LEOMINSTER- TWIN CITIES RAIL TRAIL CONSTRUCTION (PHASE II)	3	CMAQ	\$7,372,500	\$5,898,000	\$1,474,500	
2020	602911	PIONEER VALLEY	CHICOPEE	CHICOPEE- CONNECTICUT RIVERWALK & BIKEWAY CONSTRUCTION, FROM BOAT RAMP NEAR I-90 TO NASH FIELD (2.5 MILES), INCLUDES NEW BRIDGE C-13-060 OVER OVERFLOW CHANNEL	2	CMAQ	\$3,041,445	\$2,433,156	\$608,289	
BICYCLES AND PEDESTRIANS SUBTOTAL:							\$22,757,319	\$18,205,855	\$4,551,464	
SECTION 2C / STATE PRIORITIZED EXPANSION PROJECTS TOTAL:							\$22,757,319	\$18,205,855	\$4,551,464	

2020

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
SECTION 3 / PLANNING / ADJUSTMENTS / PASS-THROUGHS										
Planning / Adjustments / Pass throughs										
2020	ABPGAN	STATEWIDE	MULTIPLE	ABP GANS Repayment	Multi	NHPP	\$81,570,000	\$81,570,000	\$0	
2020	ABPGAN	STATEWIDE	MULTIPLE	ABP GANS Repayment	Multi	STBG-BR-OFF	\$350,000	\$350,000	\$0	
2020	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	CMAQ	\$1,343,953	\$1,075,162	\$268,791	
2020	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	HSIP	\$2,787,458	\$2,508,712	\$278,746	
2020	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	NHPP	\$22,556,166	\$18,044,933	\$4,511,233	
2020	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	STBG	\$4,927,827	\$3,942,262	\$985,565	
2020	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	STBG-BR-OFF	\$1,791,937	\$1,433,550	\$358,387	
2020	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	TAP	\$447,984	\$358,387	\$89,597	
2020	TGP20	STATEWIDE	MULTIPLE	Transit Grant Program	Multi	CMAQ	\$1,975,000	\$1,580,000	\$395,000	
2020	FPIRT	STATEWIDE	MULTIPLE	Flex to Rail & Transit for Freight Plan Implementation	Multi	NFP	\$2,807,340	\$2,021,285	\$505,321	
2020	UPWP21	STATEWIDE	MULTIPLE	Metropolitan Planning	Multi	PL	\$11,087,375	\$8,869,900	\$2,217,475	
2020	SPR220	STATEWIDE	MULTIPLE	State Planning and Research Work Program II, (SPR II), Research	Multi	RD	\$4,500,000	\$3,600,000	\$900,000	
2020	SRT20	STATEWIDE	MULTIPLE	Recreational Trails	Multi	REC	\$1,483,411	\$1,186,729	\$296,682	
2020	RRC20	STATEWIDE	MULTIPLE	Railroad Crossings	Multi	RRHE	\$1,111,111	\$1,000,000	\$111,111	
2020	RRC20	STATEWIDE	MULTIPLE	Railroad Crossings	Multi	RRPD	\$1,111,111	\$1,000,000	\$111,111	
2020	UPWP21	STATEWIDE	MULTIPLE	Metropolitan Planning	Multi	SPR	\$1,423,720	\$1,138,976	\$284,744	
2020	SPR120	STATEWIDE	MULTIPLE	State Planning and Research Work Program I, (SPR I), Planning	Multi	SPR	\$13,033,371	\$10,426,697	\$2,606,674	
2020	SREDU20	STATEWIDE	MULTIPLE	SRTS Education	Multi	TAP	\$1,350,000	\$1,080,000	\$270,000	
PLANNING / ADJUSTMENTS / PASS-THROUGHSSUBTOTAL:							\$155,657,764	\$141,186,593	\$14,190,437	
SECTION 3 / PLANNING / ADJUSTMENTS / PASS-THROUGHSTOTAL:							\$155,657,764	\$141,186,593	\$14,190,437	

2020										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
TOTAL		YEAR 2020					\$794,763,601	\$660,109,710	\$134,373,157	

2021										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
SECTION 1A / REGIONALLY PRIORITIZED PROJECTS										
Regionally Prioritized Projects										
Bicycles and Pedestrians										
2021	609067	CAPE COD	BARNSTABLE	BARNSTABLE- CONSTRUCTION OF A SHARED USE PATH ALONG BEARSES WAY, FROM THE DPW DRIVEWAY TO PITCHERS WAY	5	STBG	\$1,194,216	\$955,373	\$238,843	Construction; Total project cost = \$1,194,2160 with 4% inflation; MPO score = 77
2021	608142	MARTHA'S VINEYARD	OAK BLUFFS	OAK BLUFFS - CONSTRUCTION OF A SHARED USE PATH ALONG BEACH ROAD, FROM THE LAGOON POND DRAWBRIDGE NORTHERLY TO THE EASTVILLE AVENUE/COUNTY ROAD INTERSECTION	5	CMAQ	\$754,330	\$603,464	\$150,866	Construction/Total Project Cost = \$2,240,448 w/ \$1,448,906 from MV regional funding / AC YR 1 of 2 / PSAC Score 29.5; GHG Quantified Decrease reported in 2022
2021	608298	MERRIMACK VALLEY	GROVELAND	GROVELAND- COMMUNITY TRAIL FROM MAIN STREET TO KING STREET	4	CMAQ	\$408,848	\$327,078	\$81,770	a) Construction; b) \$2,064,255 (Inflated 4% from 2020 cost) = \$1,331,411 STBG + \$408,848 CMAQ + \$323,996 TAP d) TEC = 4.87 out of 18
2021	608298	MERRIMACK VALLEY	GROVELAND	GROVELAND- COMMUNITY TRAIL FROM MAIN STREET TO KING STREET	4	STBG	\$1,331,411	\$1,065,129	\$266,282	a) Construction; b) \$2,064,255 (Inflated 4% from 2020 cost) = \$1,331,411 STBG + \$408,848 CMAQ + \$323,996 TAP d) TEC = 4.87 out of 18
2021	608298	MERRIMACK VALLEY	GROVELAND	GROVELAND- COMMUNITY TRAIL FROM MAIN STREET TO KING STREET	4	TAP	\$323,996	\$259,197	\$64,799	a) Construction; b) \$2,064,255 (Inflated 4% from 2020 cost) = \$1,331,411 STBG + \$408,848 CMAQ + \$323,996 TAP d) TEC = 4.87 out of 18
BICYCLES AND PEDESTRIANS SUBTOTAL:							\$4,012,801	\$3,210,241	\$802,560	
Bridge Program										
2021	604996	BOSTON	WOBURN	WOBURN- BRIDGE REPLACEMENT, W-43-017, NEW BOSTON STREET OVER MBTA	4	STBG	\$15,482,660	\$12,386,128	\$3,096,532	Construction; Total Cost = \$15,482,660; MPO Evaluation Score = 55
BRIDGE PROGRAM SUBTOTAL:							\$15,482,660	\$12,386,128	\$3,096,532	
Intersection Improvements										
2021	608443	BOSTON	MULTIPLE	LITTLETON- AYER- INTERSECTION IMPROVEMENTS ON ROUTE 2A AT WILLOW ROAD AND BRUCE STREET	3	HSIP	\$1,000,000	\$900,000	\$100,000	Construction; HSIP+STBG Total Cost = \$2,589,272; MPO Evaluation Score = 36
2021	608443	BOSTON	MULTIPLE	LITTLETON- AYER- INTERSECTION IMPROVEMENTS ON ROUTE 2A AT WILLOW ROAD AND BRUCE STREET	3	STBG	\$1,589,272	\$1,271,418	\$317,854	Construction; HSIP+STBG Total Cost = \$2,589,272; MPO Evaluation Score = 36
2021	607305	BOSTON	READING	READING- INTERSECTION SIGNALIZATION @ ROUTE 28 & HOPKINS STREET	4	HSIP	\$750,419	\$675,377	\$75,042	Construction; HSIP+STBG Total Cost = \$1,750,419; MPO Evaluation Score = 38

2021										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2021	607305	BOSTON	READING	READING- INTERSECTION SIGNALIZATION @ ROUTE 28 & HOPKINS STREET	4	STBG	\$1,000,000	\$800,000	\$200,000	Construction; HSIP+STBG Total Cost = \$1,750,419; MPO Evaluation Score = 38
2021	606130	BOSTON	NORWOOD	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1A & UPLAND ROAD/WASHINGTON STREET & PROSPECT STREET/FULTON STREET	5	CMAQ	\$1,000,000	\$800,000	\$200,000	Construction; CMAQ+STBG Total Cost = \$4,028,045; MPO Evaluation Score = 53
2021	606130	BOSTON	NORWOOD	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1A & UPLAND ROAD/WASHINGTON STREET & PROSPECT STREET/FULTON STREET	5	STBG	\$3,028,045	\$2,422,436	\$605,609	Construction; CMAQ+STBG Total Cost = \$4,028,045; MPO Evaluation Score = 53
2021	608779	MONTACHUSETT	LANCASTER	LANCASTER- INTERSECTION IMPROVEMENTS ON ROUTE 117/ROUTE 70 AT LUNENBURG ROAD AND ROUTE 117/ROUTE 70 AT MAIN STREET	3	CMAQ	\$1,047,285	\$837,828	\$209,457	Construction; TEC Score 31; Total \$2,618,830; HSIP/CMAQ/STBG; 75% Design due 2/6/2020;
2021	608779	MONTACHUSETT	LANCASTER	LANCASTER- INTERSECTION IMPROVEMENTS ON ROUTE 117/ROUTE 70 AT LUNENBURG ROAD AND ROUTE 117/ROUTE 70 AT MAIN STREET	3	HSIP	\$1,047,285	\$942,557	\$104,729	Construction; TEC Score 31; Total \$2,618,830; HSIP/CMAQ/STBG; 75% Design due 2/6/2020;
2021	608779	MONTACHUSETT	LANCASTER	LANCASTER- INTERSECTION IMPROVEMENTS ON ROUTE 117/ROUTE 70 AT LUNENBURG ROAD AND ROUTE 117/ROUTE 70 AT MAIN STREET	3	STBG	\$629,014	\$503,211	\$125,803	Construction; TEC Score 31; Total \$2,618,830; HSIP/CMAQ/STBG; 75% Design due 2/6/2020;
2021	608782	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- INTERSECTION IMPROVEMENTS AT COTTAGE STREET, INDUSTRY AVENUE AND ROBBINS ROAD	2	CMAQ	\$2,858,325	\$2,286,660	\$571,665	Construction / (YOE \$2,858,325) / 46.5 TEC Score 25% CMAQ
2021	608536	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	NEW BEDFORD- INTERSECTION IMPROVEMENTS AND RELATED WORK AT ROCKDALE AVENUE AND ALLEN STREET	5	HSIP	\$1,969,680	\$1,772,712	\$196,968	a) Construction; b) Total Cost = \$1,969,680 HSIP; d) EC Score 53 of 100; i) Status Pre 25%;
2021	608230	SOUTHEASTERN MASSACHUSETTS	REHOBOTH	REHOBOTH- INTERSECTION IMPROVEMENTS & RELATED WORK AT WINTHROP STREET (ROUTE 44) AND ANAWAN STREET (ROUTE 118)	5	STBG	\$2,184,000	\$1,747,200	\$436,800	a) Construction; b) Total Cost = \$2,184,000 STBG; d) EC Score 44 of 100; i) Status Pre 25%
INTERSECTION IMPROVEMENTS SUBTOTAL:							\$18,103,325	\$14,959,399	\$3,143,927	
Non-Interstate Pavement										
2021	608768	BERKSHIRE	PITTSFIELD	PITTSFIELD- RESURFACING AND RELATED WORK ON MERRILL ROAD, FROM JUNCTION ROAD TO EAST STREET	1	HSIP	\$355,964	\$320,368	\$35,596	STBG + HSIP; Total Cost = 1,820,000; MPO evaluation score 5 of 8; Design Status: <25%; YOE = 4%
2021	608768	BERKSHIRE	PITTSFIELD	PITTSFIELD- RESURFACING AND RELATED WORK ON MERRILL ROAD, FROM JUNCTION ROAD TO EAST STREET	1	STBG	\$1,464,036	\$1,171,229	\$292,807	STBG + HSIP; Total Cost = 1,820,000; MPO evaluation score 5 of 8; Design Status: <25%; YOE = 4%
2021	608297	NORTHERN MIDDLESEX	TEWKSBURY	TEWKSBURY- RESURFACING AND SIDEWALK RECONSTRUCTION ON ROUTE 38 BEGINNING AT COLONIAL DRIVE NORTH TO THE INTERSECTION OF OLD BOSTON ROAD APPROXIMATELY 1.5 MILES	4	NHPP	\$4,086,091	\$3,268,873	\$817,218	a) Construction; b) Total Project Cost at 2021 YOE: \$4,368,000 (\$4,200,000); TAP, NHPP; d) NMMPO TEC Score: 5.00 out of 18; h) TAP Proponent: Tewksbury.
2021	608297	NORTHERN MIDDLESEX	TEWKSBURY	TEWKSBURY- RESURFACING AND SIDEWALK RECONSTRUCTION ON ROUTE 38 BEGINNING AT COLONIAL DRIVE NORTH TO THE INTERSECTION OF OLD BOSTON ROAD APPROXIMATELY 1.5 MILES	4	TAP	\$281,909	\$225,527	\$56,382	a) Construction; b) Total Project Cost at 2021 YOE: \$4,368,000 (\$4,200,000); TAP, NHPP; d) NMMPO TEC Score: 5.00 out of 18; h) TAP Proponent: Tewksbury.
NON-INTERSTATE PAVEMENT SUBTOTAL:							\$6,188,000	\$4,985,997	\$1,202,003	

2021										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
Planning / Adjustments / Pass-throughs										
2021	1570	BOSTON	MULTIPLE	GREEN LINE EXTENSION PROJECT- EXTENSION TO COLLEGE AVENUE WITH THE UNION SQUARE SPUR	6	CMAQ	\$30,719,132	\$24,575,306	\$6,143,826	Construction; STBG+CMAQ+Section 5309 (Transit) Total MPO Contribution = \$190,000,000; AC Yr 6 of 6; Total funding in this TIP = \$49,131,200; funding flexed to FTA; match provided by local contributions
2021	BN0009	BOSTON	MULTIPLE	COMMUNITY TRANSPORTATION PROGRAM	NA	CMAQ	\$2,000,000	\$1,600,000	\$400,000	Planning, Design, or Construction; Set Aside for LRTP Clean Air and Mobility Program
PLANNING / ADJUSTMENTS / PASS-THROUGHSSUBTOTAL:							\$32,719,132	\$26,175,306	\$6,543,826	
Roadway Improvements										
2021	608603	NORTHERN MIDDLESEX	DUNSTABLE	DUNSTABLE-IMPROVEMENTS ON MAIN STREET (ROUTE 113), FROM PLEASANT STREET TO 750 FT EAST OF WESTFORD STREET	3	CMAQ	\$1,021,080	\$816,864	\$204,216	a) Construction; b) Total Project Cost at 2021 YOE: \$4,424,682 (\$4,254,502); CMAQ, TAP, STBG; d) NMMPO TEC Score: 6.60 out of 18; h) TAP Proponent: Dunstable.
2021	608603	NORTHERN MIDDLESEX	DUNSTABLE	DUNSTABLE-IMPROVEMENTS ON MAIN STREET (ROUTE 113), FROM PLEASANT STREET TO 750 FT EAST OF WESTFORD STREET	3	STBG	\$3,121,693	\$2,497,354	\$624,339	a) Construction; b) Total Project Cost at 2021 YOE: \$4,424,682 (\$4,254,502); CMAQ, TAP, STBG; d) NMMPO TEC Score: 6.60 out of 18; h) TAP Proponent: Dunstable.
2021	608603	NORTHERN MIDDLESEX	DUNSTABLE	DUNSTABLE-IMPROVEMENTS ON MAIN STREET (ROUTE 113), FROM PLEASANT STREET TO 750 FT EAST OF WESTFORD STREET	3	TAP	\$281,909	\$225,527	\$56,382	a) Construction; b) Total Project Cost at 2021 YOE: \$4,424,682 (\$4,254,502); CMAQ, TAP, STBG; d) NMMPO TEC Score: 6.60 out of 18; h) TAP Proponent: Dunstable.
2021	608084	PIONEER VALLEY	AMHERST	AMHERST- IMPROVEMENTS & RELATED WORK ON ROUTES 9 & 116, FROM UNIVERSITY DRIVE TO SOUTH PLEASANT STREET (0.8 MILES)	2	STBG	\$3,489,558	\$2,791,646	\$697,912	Construction / (YOE \$4,048,448) / 53.5 TEC / 25% STBG, TAP
2021	608084	PIONEER VALLEY	AMHERST	AMHERST- IMPROVEMENTS & RELATED WORK ON ROUTES 9 & 116, FROM UNIVERSITY DRIVE TO SOUTH PLEASANT STREET (0.8 MILES)	2	TAP	\$558,890	\$447,112	\$111,778	Construction / (YOE \$4,048,448) / 53.5 TEC / 25% STBG, TAP
ROADWAY IMPROVEMENTS SUBTOTAL:							\$8,473,130	\$6,778,503	\$1,694,627	
Roadway Reconstruction										
2021	606406	BERKSHIRE	HINSDALE	HINSDALE- PERU- RECONSTRUCTION OF SKYLINE TRAIL (MIDDLEFIELD ROAD)	1	STBG	\$6,031,901	\$4,825,521	\$1,206,380	STBG; Total Cost = 6,031,901; MPO evaluation score 2 of 8; Design Status: <25%; YOE = 4%
2021	608228	BOSTON	FRAMINGHAM	FRAMINGHAM- RECONSTRUCTION OF UNION AVENUE, FROM PROCTOR STREET TO MAIN STREET	3	HSIP	\$1,000,000	\$900,000	\$100,000	Construction; STBG+HSIP+TAP Total Cost = \$8,504,804; MPO Evaluation Score = 58

2021

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2021	608228	BOSTON	FRAMINGHAM	FRAMINGHAM- RECONSTRUCTION OF UNION AVENUE, FROM PROCTOR STREET TO MAIN STREET	3	STBG	\$6,498,413	\$5,198,730	\$1,299,683	Construction; STBG+HSIP+TAP Total Cost = \$8,504,804; MPO Evaluation Score = 58
2021	608228	BOSTON	FRAMINGHAM	FRAMINGHAM- RECONSTRUCTION OF UNION AVENUE, FROM PROCTOR STREET TO MAIN STREET	3	TAP	\$1,006,391	\$805,113	\$201,278	Construction; STBG+HSIP+TAP Total Cost = \$8,504,804; MPO Evaluation Score = 58; TAP Proponent = Framingham
2021	602077	BOSTON	LYNN	LYNN- RECONSTRUCTION ON ROUTE 129 (LYNNFIELD STREET), FROM GREAT WOODS ROAD TO WYOMA SQUARE	4	CMAQ	\$1,000,000	\$800,000	\$200,000	Construction; CMAQ+STBG Total Cost = \$4,980,392; MPO Evaluation Score = 38
2021	602077	BOSTON	LYNN	LYNN- RECONSTRUCTION ON ROUTE 129 (LYNNFIELD STREET), FROM GREAT WOODS ROAD TO WYOMA SQUARE	4	STBG	\$3,980,392	\$3,184,314	\$796,078	Construction; CMAQ+STBG Total Cost = \$4,980,392; MPO Evaluation Score = 38
2021	608146	BOSTON	MARBLEHEAD	MARBLEHEAD- INTERSECTION IMPROVEMENTS AT PLEASANT STREET & VILLAGE, VINE AND CROSS STREETS	4	STBG	\$786,568	\$629,254	\$157,314	Construction; STBG Total Cost = \$786,568; MPO Evaluation Score = 40
2021	606501	BOSTON	HOLBROOK	HOLBROOK- RECONSTRUCTION OF UNION STREET (ROUTE 139), FROM LINFIELD STREET TO CENTRE STREET/WATER STREET	5	STBG	\$2,454,293	\$1,963,434	\$490,859	Construction; TAP+STBG+Earmark Total Cost = \$4,270,631; MPO Evaluation Score = 45
2021	606501	BOSTON	HOLBROOK	HOLBROOK- RECONSTRUCTION OF UNION STREET (ROUTE 139), FROM LINFIELD STREET TO CENTRE STREET/WATER STREET	5	TAP	\$289,088	\$231,270	\$57,818	Construction; TAP+STBG+Earmark Total Cost = \$4,270,631; MPO Evaluation Score = 45; TAP Proponent = Holbrook
2021	606453	BOSTON	BOSTON	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	6	CMAQ	\$1,000,000	\$800,000	\$200,000	Construction; CMAQ+TAP+STBG Total Cost = \$8,852,517; MPO Evaluation Score = 58
2021	606476	BOSTON	BOSTON	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	6	NHPP	\$22,115,687	\$17,692,550	\$4,423,137	Construction; NHPP+HSIP+Other Federal Aid Total Cost = \$126,544,931; Total MPO Contribution = \$22,115,687; AC Yr 1 of 3
2021	606453	BOSTON	BOSTON	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	6	STBG	\$7,040,085	\$5,632,068	\$1,408,017	Construction; CMAQ+TAP+STBG Total Cost = \$8,852,517; MPO Evaluation Score = 58
2021	606453	BOSTON	BOSTON	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	6	TAP	\$812,432	\$649,946	\$162,486	Construction; CMAQ+TAP+STBG Total Cost = \$8,852,517; MPO Evaluation Score = 58; TAP Proponent = Boston
2021	607319	CAPE COD	MASHPEE	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	5	CMAQ	\$1,146,285	\$917,028	\$229,257	Construction; Total project cost = \$15,934,387 with 4% inflation (2021 STBG + 2021 HSIP + 2021 CMAQ + 2021 TAP + 2022 STBG + 2022 HSIP + 2022 CMAQ + 2022 TAP); MPO score = 80; AC Year 1 of 2; Municipality is TAP proponent; RSA conducted; CMAQ analysis to

2021

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2021	607319	CAPE COD	MASHPEE	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	5	HSIP	\$458,514	\$412,663	\$45,851	Construction; Total project cost = \$15,934,387 with 4% inflation (2021 STBG + 2021 HSIP + 2021 CMAQ + 2021 TAP + 2022 STBG + 2022 HSIP + 2022 CMAQ + 2022 TAP); MPO score = 80; AC Year 1 of 2; Municipality is TAP proponent; RSA conducted; CMAQ analysis to
2021	607319	CAPE COD	MASHPEE	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	5	STBG	\$4,106,906	\$3,285,525	\$821,381	Construction; Total project cost = \$15,934,387 with 4% inflation (2021 STBG + 2021 HSIP + 2021 CMAQ + 2021 TAP + 2022 STBG + 2022 HSIP + 2022 CMAQ + 2022 TAP); MPO score = 80; AC Year 1 of 2; Municipality is TAP proponent; RSA conducted; CMAQ analysis to
2021	607319	CAPE COD	MASHPEE	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	5	TAP	\$205,809	\$164,647	\$41,162	Construction; Total project cost = \$15,934,387 with 4% inflation (2021 STBG + 2021 HSIP + 2021 CMAQ + 2021 TAP + 2022 STBG + 2022 HSIP + 2022 CMAQ + 2022 TAP); MPO score = 80; AC Year 1 of 2; Municipality is TAP proponent; RSA conducted; CMAQ analysis to
2021	608666	CAPE COD	ORLEANS	ORLEANS- INTERSECTION IMPROVEMENTS AT ROUTE 28 (SOUTH ORLEANS ROAD), ROUTE 39 (HARWICH ROAD) AND QUANSET ROAD	5	STBG	\$4,045,304	\$3,236,243	\$809,061	Construction; Total project cost = \$4,045,304 with 4% inflation applied; MPO score = 64
2021	606220	CENTRAL MASSACHUSETTS	HARDWICK	HARDWICK - ROUTE 32 AT ROUTE 32A GILBERTVILLE ROADWAY IMPROVEMENTS	2	STBG	\$4,879,473	\$3,903,578	\$975,895	a) Construction / b) STBG Total Project Cost = \$4,879,473 / d) PM Score = 14 / i) Design Status = 75%
2021	605035	CENTRAL MASSACHUSETTS	NEW BRAintree	NEW BRAintree - RECONSTRUCTION & IMPROVEMENTS ON RAVINE ROAD AND HARDWICK ROAD FROM HARDWICK T.L. TO ROUTE 67 (BARRE RD) (2.6 MILES)	2	STBG	\$2,241,051	\$1,792,841	\$448,210	a) Construction / b) STBG Total Project Cost = \$2,241,051 / d) PM Score = 9 / i) Design Status = 25%
2021	607733	CENTRAL MASSACHUSETTS	AUBURN	AUBURN - REHABILITATION OF AUBURN STREET, FROM WALSH AVENUE TO MILLBURY STREET	3	HSIP	\$597,731	\$537,958	\$59,773	a) Construction / b) STBG + HSIP + TAP Total Project Cost = \$3,145,955 / d) PM Score = 19 / h) Project Proponent is the town of Auburn / i) Design Status = 25%
2021	607733	CENTRAL MASSACHUSETTS	AUBURN	AUBURN - REHABILITATION OF AUBURN STREET, FROM WALSH AVENUE TO MILLBURY STREET	3	STBG	\$1,964,160	\$1,571,328	\$392,832	a) Construction / b) STBG + HSIP + TAP Total Project Cost = \$3,145,955 / d) PM Score = 19 / h) Project Proponent is the town of Auburn / i) Design Status = 25%
2021	607733	CENTRAL MASSACHUSETTS	AUBURN	AUBURN - REHABILITATION OF AUBURN STREET, FROM WALSH AVENUE TO MILLBURY STREET	3	TAP	\$584,064	\$467,251	\$116,813	a) Construction / b) STBG + HSIP + TAP Total Project Cost = \$3,145,955 / d) PM Score = 19 / h) Project Proponent is the town of Auburn / i) Design Status = 25%

2021

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2021	607903	CENTRAL MASSACHUSETTS	GRAFTON	GRAFTON - RECLAMATION ON ROUTE 122A (MAIN STREET), FROM PROVIDENCE ROAD TO SUTTON T.L.	3	STBG	\$8,101,916	\$6,481,533	\$1,620,383	a) Construction / b) STBG Total Project Cost = \$8,101,916 / d) PM Score = 14 / i) Design Status = 25%
2021	602659	CENTRAL MASSACHUSETTS	MULTIPLE	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	3	CMAQ	\$1,904,533	\$1,523,626	\$380,907	a) Construction; b) Total Project Cost = \$62,433,862 w/\$11,386,727 of Central Mass regional funding in 2020 and 2021 / c) AC YR 2 of 2 / d) PM Score = 19
2021	602659	CENTRAL MASSACHUSETTS	MULTIPLE	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	3	STBG	\$442,194	\$353,755	\$88,439	a) Construction; b) Total Project Cost = \$62,433,862 w/\$11,386,727 of Central Mass regional funding in 2020 and 2021 / c) AC YR 2 of 2 / d) PM Score = 19
2021	606463	FRANKLIN	BUCKLAND	BUCKLAND- RECONSTRUCTION & MINOR WIDENING ON CONWAY STREET, SOUTH STREET & CONWAY ROAD	1	STBG	\$6,179,913	\$4,943,930	\$1,235,983	Construction; total project cost of \$7,868,506 inflated 4% per year to \$8,183,247; A/C Year 1 Cost \$6,179,913; TEC score 9.1
2021	608095	MERRIMACK VALLEY	NORTH ANDOVER	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	4	CMAQ	\$1,107,389	\$885,911	\$221,478	a) Construction; b) \$17,399,023 (Inflated 4% from 2020 cost) = FFY 2021 (\$6,813,052 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP) + FFY 2022 (\$6,783,281 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP); c) AC Year 1 of 2 = \$8,714,397; d) T
2021	608095	MERRIMACK VALLEY	NORTH ANDOVER	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	4	HSIP	\$442,956	\$398,660	\$44,296	a) Construction; b) \$17,399,023 (Inflated 4% from 2020 cost) = FFY 2021 (\$6,813,052 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP) + FFY 2022 (\$6,783,281 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP); c) AC Year 1 of 2 = \$8,714,397; d) T
2021	608095	MERRIMACK VALLEY	NORTH ANDOVER	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	4	STBG	\$6,813,052	\$5,450,442	\$1,362,610	a) Construction; b) \$17,399,023 (Inflated 4% from 2020 cost) = FFY 2021 (\$6,813,052 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP) + FFY 2022 (\$6,783,281 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP); c) AC Year 1 of 2 = \$8,714,397; d) T
2021	608095	MERRIMACK VALLEY	NORTH ANDOVER	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	4	TAP	\$351,000	\$280,800	\$70,200	a) Construction; b) \$17,399,023 (Inflated 4% from 2020 cost) = FFY 2021 (\$6,813,052 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP) + FFY 2022 (\$6,783,281 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP); c) AC Year 1 of 2 = \$8,714,397; d) T

2021										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2021	608548	MONTACHUSETT	WINCHENDON	WINCHENDON- IMPROVEMENTS & RELATED WORK ON CENTRAL STREET (ROUTE 202), FROM FRONT STREET TO MAPLE STREET (0.5 MILES)	2	STBG	\$5,152,855	\$4,122,284	\$1,030,571	Construction; Total \$4,954,875; YOY 4% Cost \$5,152,855; STBG; 25%Design; Part of Overall Downtown Improvement Program; TEC Score 29; 2019-2023 TIP year 2021; Candidate for cost reduction
2021	608888	MONTACHUSETT	GARDNER	GARDNER- RECLAMATION AND RELATED WORK ON PEARSON BOULEVARD	3	STBG	\$899,100	\$719,280	\$179,820	Construction; TEC Score 25; 2020 Cost \$864,519 (YOY 4% - \$899,910); 75% Design; Book job;
2021	607431	MONTACHUSETT	WESTMINSTER	WESTMINSTER- RESURFACING & RELATED WORK ON ROUTE 140, FROM ROUTE 2A TO PATRICIA ROAD	3	STBG	\$1,560,776	\$1,248,621	\$312,155	Construction; Total \$1,500,746; 75% Design Recv 2/6/2018; TEC Score 15; 2019-23 TIP Year 2020
2021	607217	OLD COLONY	EASTON	EASTON - ROUTE 123 (DEPOT STREET) RECONSTRUCTION FROM NEWELL CIRCLE TO ROUTE 138	5	CMAQ	\$1,139,886	\$911,909	\$227,977	a) Construction; b) Total Project Cost = \$8,052,916 w/ \$6,568,222 of STBG funding, \$1,139,886 of CMAQ funding, and \$344,808 of TAP funding; d) MPO score 38.89
2021	607217	OLD COLONY	EASTON	EASTON - ROUTE 123 (DEPOT STREET) RECONSTRUCTION FROM NEWELL CIRCLE TO ROUTE 138	5	STBG	\$6,568,222	\$5,254,578	\$1,313,644	a) Construction; b) Total Project Cost = \$8,052,916 w/ \$6,568,222 of STBG funding, \$1,139,886 of CMAQ funding, and \$344,808 of TAP funding; d) MPO score 38.89
2021	607217	OLD COLONY	EASTON	EASTON - ROUTE 123 (DEPOT STREET) RECONSTRUCTION FROM NEWELL CIRCLE TO ROUTE 138	5	TAP	\$344,808	\$275,846	\$68,962	a) Construction; b) Total Project Cost = \$8,052,916 w/ \$6,568,222 of STBG funding, \$1,139,886 of CMAQ funding, and \$344,808 of TAP funding; d) MPO score 38.89
2021	605032	PIONEER VALLEY	HADLEY	HADLEY- RECONSTRUCTION ON ROUTE 9, FROM MIDDLE STREET TO MAPLE/SOUTH MAPLE STREET	2	STBG	\$10,917,509	\$8,734,007	\$2,183,502	Construction / (YOY \$24,849,741) A/C Year 1 of 2 FFY 2021 \$10,917,509, FFY 2022 \$13,932,231 /61 TEC / 25% / STBG
2021	607773	PIONEER VALLEY	WESTFIELD	WESTFIELD- IMPROVEMENTS & RELATED WORK ON ROUTE 20, COURT STEET & WESTERN AVENUE, LLOYDS HILL ROAD TO HIGH STREET/MILL STREET INTERSECTION (PHASE II)	2	CMAQ	\$669,323	\$535,458	\$133,865	Construction / (YOY \$8,479,708) / 52.5 TEC / 25% STBG,CMAQ,HSIP,TAP
2021	607773	PIONEER VALLEY	WESTFIELD	WESTFIELD- IMPROVEMENTS & RELATED WORK ON ROUTE 20, COURT STEET & WESTERN AVENUE, LLOYDS HILL ROAD TO HIGH STREET/MILL STREET INTERSECTION (PHASE II)	2	HSIP	\$1,115,769	\$1,004,192	\$111,577	Construction / (YOY \$8,479,708) / 52.5 TEC / 25% STBG,CMAQ,HSIP,TAP
2021	607773	PIONEER VALLEY	WESTFIELD	WESTFIELD- IMPROVEMENTS & RELATED WORK ON ROUTE 20, COURT STEET & WESTERN AVENUE, LLOYDS HILL ROAD TO HIGH STREET/MILL STREET INTERSECTION (PHASE II)	2	STBG	\$6,136,732	\$4,909,386	\$1,227,346	Construction / (YOY \$8,479,708) / 52.5 TEC / 25% STBG,CMAQ,HSIP,TAP
2021	607773	PIONEER VALLEY	WESTFIELD	WESTFIELD- IMPROVEMENTS & RELATED WORK ON ROUTE 20, COURT STEET & WESTERN AVENUE, LLOYDS HILL ROAD TO HIGH STREET/MILL STREET INTERSECTION (PHASE II)	2	TAP	\$557,884	\$446,307	\$111,577	Construction / (YOY \$8,479,708) / 52.5 TEC / 25% STBG,CMAQ,HSIP,TAP

2021										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2021	606715	SOUTHEASTERN MASSACHUSETTS	LAKEVILLE	LAKEVILLE- RECONSTRUCTION AND RELATED WORK ON RHODE ISLAND ROAD (ROUTE 79), FROM THE TAUNTON CITY LINE TO CLEAR POND ROAD	5	STBG	\$10,235,933	\$8,188,746	\$2,047,187	a) Construction; b) Total Cost = \$10,235,933 - STBG; d) EC Score 52 of 100; i) Status Pre 25%
2021	608267	SOUTHEASTERN MASSACHUSETTS	RAYNHAM	RAYNHAM- RESURFACING AND RELATED WORK ON ROUTE 138	5	STBG	\$7,410,130	\$5,928,104	\$1,482,026	a) Construction; b) Total Cost = \$7,410,130 STBG; d) EC Score 48 of 100; i) Status Pre 25%
ROADWAY RECONSTRUCTION SUBTOTAL:							\$152,296,427	\$122,198,637	\$30,097,790	
REGIONALLY PRIORITIZED PROJECTS SUBTOTAL:							\$237,275,475	\$190,694,211	\$46,581,265	
SECTION 1A / REGIONALLY PRIORITIZED PROJECTS TOTAL:							\$237,275,475	\$190,694,211	\$46,581,265	

SECTION 1B / EARMARK OR DISCRETIONARY GRANT FUNDED PROJECTS

Other Federal Aid										
2021	606501	BOSTON	HOLBROOK	HOLBROOK- RECONSTRUCTION OF UNION STREET (ROUTE 139), FROM LINFIELD STREET TO CENTRE STREET/WATER STREET	5	HPP	\$1,527,250	\$1,221,800	\$305,450	Demo ID MA177
2021	606476	BOSTON	BOSTON	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	6	OTHER FA	\$12,655,015	\$10,124,012	\$2,531,003	Construction; NHPP+HSIP+Other Federal Aid Total Cost = \$126,544,931; Total MPO Contribution = \$22,115,687; AC Yr 1 of 3; Other Federal Aid = HIP (Boston)
2021	606476	BOSTON	BOSTON	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	6	OTHER FA	\$17,830,184	\$14,264,147	\$3,566,037	Construction; NHPP+HSIP+Other Federal Aid Total Cost = \$126,544,931; Total MPO Contribution = \$22,115,687; AC Yr 1 of 3; Other Federal Aid = HIP (Boston)
2021	605888	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- INTERCHANGE IMPROVEMENTS AT ROUTES 24 & 140, INCLUDING REPLACING T-01-045 AND T-01-046	5	OTHER FA	\$17,975,824	\$14,380,659	\$3,595,165	Construction; Total Project Cost \$147,054,700 - FFY2021 \$84,889,772 HIP, FFY2022 \$25,883,583 On System, \$15,000,000 MBTA & \$21,281,345 HPP ; AC Year 1 of 2; Earmarks MA113 & MA 205 (Total \$21,281,345)
2021	605888	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- INTERCHANGE IMPROVEMENTS AT ROUTES 24 & 140, INCLUDING REPLACING T-01-045 AND T-01-046	5	OTHER FA	\$24,328,985	\$19,463,188	\$4,865,797	Construction; Total Project Cost \$147,054,700 - FFY2021 \$84,889,772 HIP, FFY2022 \$25,883,583 On System, \$15,000,000 MBTA & \$21,281,345 HPP ; AC Year 1 of 2; Earmarks MA113 & MA 205 (Total \$21,281,345)

2021

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2021	605888	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- INTERCHANGE IMPROVEMENTS AT ROUTES 24 & 140, INCLUDING REPLACING T-01-045 AND T-01-046	5	OTHER FA	\$42,584,963	\$34,067,970	\$8,516,993	Construction; Total Project Cost \$147,054,700 - FFY2021 \$84,889,772 HIP, FFY2022 \$25,883,583 On System, \$15,000,000 MBTA & \$21,281,345 HPP ; AC Year 1 of 2; Earmarks MA113 & MA 205 (Total \$21,281,345)
OTHER FEDERAL AID SUBTOTAL:							\$116,902,221	\$93,521,776	\$23,380,445	
SECTION 1B / EARMARK OR DISCRETIONARY GRANT FUNDED PROJECTS TOTAL:							\$116,902,221	\$93,521,776	\$23,380,445	

SECTION 2A / STATE PRIORITIZED RELIABILITY PROJECTS

Bridge Program / Off System

2021	608636	BERKSHIRE	LENOX	LENOX- BRIDGE REPLACEMENT, L-07-006, ROARING BROOK ROAD OVER ROARING BROOK	1	STBG-BR-OFF	\$1,122,880	\$898,304	\$224,576	
2021	609080	BERKSHIRE	NEW MARLBOROUGH	NEW MARLBOROUGH- SUPERSTRUCTURE REPLACEMENT, N-08-018, CANAAN-SOUTHFIELD ROAD OVER UMPACHENE RIVER	1	STBG-BR-OFF	\$1,064,448	\$851,558	\$212,890	
2021	609081	BERKSHIRE	NEW MARLBOROUGH	NEW MARLBOROUGH- SUPERSTRUCTURE REPLACEMENT, N-08-017, LUMBERT CROSS ROAD OVER UMPACHENE RIVER	1	STBG-BR-OFF	\$2,278,848	\$1,823,078	\$455,770	
2021	608642	BERKSHIRE	NEW MARLBOROUGH	NEW MARLBOROUGH- SUPERSTRUCURE REPLACEMENT, N-08-001, NORFOLK ROAD OVER UMPACHENE BROOK	1	STBG-BR-OFF	\$5,461,456	\$4,369,165	\$1,092,291	
2021	608854	BERKSHIRE	PITTSFIELD	PITTSFIELD- BRIDGE REPLACEMENT, P-10-034, MILL STREET OVER W. BRANCH OF HOUSATONIC RIVER	1	STBG-BR-OFF	\$1,776,772	\$1,421,418	\$355,354	
2021	608647	BERKSHIRE	SAVOY	SAVOY- BRIDGE SUPERSTRUCTURE REPLACEMENT, S-06-003, CENTER ROAD OVER CENTER BROOK	1	STBG-BR-OFF	\$813,740	\$650,992	\$162,748	
2021	608637	BOSTON	MAYNARD	MAYNARD- BRIDGE REPLACEMENT, M-10-006, CARRYING FLORIDA ROAD OVER THE ASSABET RIVER	3	STBG-BR-OFF	\$1,646,400	\$1,317,120	\$329,280	
2021	608079	BOSTON	SHARON	SHARON- BRIDGE REPLACEMENT, S-09-003 (40N), MASKWONICUT STREET OVER AMTRAK/MBTA	5	STBG-BR-OFF	\$5,755,240	\$4,604,192	\$1,151,048	
2021	608617	CAPE COD	HARWICH	HARWICH- BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER	5	STBG-BR-OFF	\$1,043,768	\$835,014	\$208,754	
2021	608640	CENTRAL MASSACHUSETTS	SUTTON	SUTTON- BRIDGE RECONSTRUCTION/REHABILITATION, S-33-004, CARRYING DEPOT STREET OVER THE BLACKSTONE RIVER	3	STBG-BR-OFF	\$3,763,199	\$3,010,559	\$752,640	a) Construction
2021	608619	SOUTHEASTERN MASSACHUSETTS	FALL RIVER	FALL RIVER- BRIDGE REPLACEMENT, F-02-019, WEAVER STREET OVER MASSACHUSETTS COASTAL RAILROAD	5	STBG-BR-OFF	\$5,350,036	\$4,280,029	\$1,070,007	

2021										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2021	603796	SOUTHEASTERN MASSACHUSETTS	MANSFIELD	MANSFIELD- BRIDGE REPLACEMENT, M-03-003 & M-03-045, BALCOM STREET OVER THE WADING RIVER	5	STBG-BR-OFF	\$890,880	\$712,704	\$178,176	
2021	608618	SOUTHEASTERN MASSACHUSETTS	REHOBOTH	REHOBOTH- BRIDGE REPLACEMENT, R-04-004, REED STREET OVER PALMER RIVER	5	STBG-BR-OFF	\$1,415,200	\$1,132,160	\$283,040	
2021	608616	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- BRIDGE REPLACEMENT, T-01-024, SCADDING STREET OVER SNAKE RIVER.	5	STBG-BR-OFF	\$1,093,300	\$874,640	\$218,660	
BRIDGE PROGRAM / OFF-SYSTEM SUBTOTAL:							\$33,476,167	\$26,780,933	\$6,695,234	
Bridge Program / On System (NHS)										
2021	604952	BOSTON	MULTIPLE	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	4	NHPP-ON	\$12,969,789	\$10,375,831	\$2,593,958	AC Year 3 of 5, Total Cost \$84,253,135
2021	604173	BOSTON	BOSTON	BOSTON- BRIDGE REPLACEMENT, B-16-016, NORTH WASHINGTON STREET OVER THE BOSTON INNER HARBOR	6	NHPP-ON	\$30,389,655	\$24,311,724	\$6,077,931	AC Year 5 of 6, Total Cost \$176,318,433
2021	605287	BOSTON	CHELSEA	CHELSEA- ROUTE 1 VIADUCT REHABILITATION (SB/NB) ON C-09-007 & C-09-011	6	NHPP-ON	\$29,992,990	\$23,994,392	\$5,998,598	AC Year 4 of 4, Total Cost \$213,972,689
2021	605306	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- BRIDGE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER	4	NHPP-ON	\$15,305,880	\$12,244,704	\$3,061,176	AC Year 4 of 6, Total Cost \$118,786,388
2021	608189	MONTACHUSETT	FITCHBURG	FITCHBURG- BRIDGE REPLACEMENT AND RELATED WORK, F-04-017, WATER STREET (STATE 2A) OVER BOULDER DRIVE AND PANAM RAILROAD & F-04-018, WATER STREET (ROUTE 12) OVER NORTH NASHUA RIVER	3	NHPP-ON	\$21,543,216	\$17,234,573	\$4,308,643	
2021	608460	PIONEER VALLEY	HADLEY	HADLEY- BRIDGE REPLACEMENT, H-01-005, BAY ROAD (ROUTE 47) OVER THE FORT RIVER	2	NHPP-ON	\$5,714,160	\$4,571,328	\$1,142,832	
2021	606552	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- BRIDGE RECONSTRUCTION, N-19-059, I-91 OVER US 5/BMRR & N-19-060, I-91 OVER HOCKANUM ROAD	2	NHPP-ON	\$9,539,115	\$7,631,292	\$1,907,823	AC Year 2 of 5, Total Cost \$56,891,767
BRIDGE PROGRAM / ON-SYSTEM (NHS) SUBTOTAL:							\$125,454,805	\$100,363,844	\$25,090,961	
Bridge Program / On System (Non NHS)										
2021	608596	BOSTON	ESSEX	ESSEX- SUPERSTRUCTURE REPLACEMENT, E-11-001 (2TV), ROUTE 133 MAIN STREET OVER ESSEX RIVER	4	NHPP-OFF	\$4,511,360	\$3,609,088	\$902,272	
BRIDGE PROGRAM / ON-SYSTEM (NON-NHS) SUBTOTAL:							\$4,511,360	\$3,609,088	\$902,272	
Bridge Program / Systematic Maintenance										
2021	609164	BERKSHIRE	NORTH ADAMS	NORTH ADAMS - BRIDGE MAINTENANCE (N-14-017) ROUTE 2 OVER HOOSIC RIVER	1	NHPP-OFF	\$522,200	\$417,760	\$104,440	
2021	608610	BOSTON	NEWTON	NEWTON- STEEL SUPERSTRUCTURE CLEANING (FULL REMOVAL) AND PAINTING OF N-12-055	6	NHPP-ON	\$2,304,000	\$1,843,200	\$460,800	

2021										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2021	608551	STATEWIDE	MULTIPLE	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2021)	2	NHPP-OFF	\$1,325,862	\$1,060,690	\$265,172	
2021	608590	STATEWIDE	MULTIPLE	DISTRICT 3- CLEAN AND PAINT STRUCTURAL STEEL BRIDGES ON I-190 AND I-290	3	NHPP-ON	\$3,015,220	\$2,412,176	\$603,044	
2021	608593	STATEWIDE	MULTIPLE	DISTRICT 5- SYSTEMATIC BRIDGE PRESERVATION ALONG THE I-195 CORRIDOR	5	NHPP-ON	\$2,298,657	\$1,838,926	\$459,731	
BRIDGE PROGRAM / SYSTEMATIC MAINTENANCESUBTOTAL:							\$9,465,939	\$7,572,752	\$1,893,187	
Interstate Pavement										
2021	608208	BOSTON	MULTIPLE	QUINCY - MILTON - BOSTON - INTERSTATE MAINTENANCE AND RELATED WORK ON I-93	6	NHPP	\$27,371,469	\$24,634,322	\$2,737,147	
INTERSTATE PAVEMENT SUBTOTAL:							\$27,371,469	\$24,634,322	\$2,737,147	
Non Interstate Pavement										
2021	608485	BERKSHIRE	MULTIPLE	PITTSFIELD-LANESBOROUGH RESURFACING AND RELATED WORK ON ROUTE 8	1	NHPP	\$4,241,203	\$3,392,962	\$848,241	
2021	608467	BOSTON	MARLBOROUGH	MARLBOROUGH- RESURFACING AND RELATED WORK ON ROUTE 20	3	NHPP	\$14,358,240	\$11,486,592	\$2,871,648	
2021	607477	BOSTON	MULTIPLE	LYNNFIELD-PEABODY RESURFACING AND RELATED WORK ON ROUTE 1	4	NHPP	\$7,721,542	\$6,177,234	\$1,544,308	
2021	609098	CAPE COD	MULTIPLE	WELLFLEET-TRURO - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 6	5	NHPP	\$8,344,960	\$6,675,968	\$1,668,992	
2021	608494	MERRIMACK VALLEY	MULTIPLE	NEWBURY-NEWBURYPORT-SALISBURY RESURFACING AND RELATED WORK ON US ROUTE 1	4	NHPP	\$9,807,200	\$7,845,760	\$1,961,440	
2021	608496	OLD COLONY	MULTIPLE	AVON - STOUGHTON- RESURFACING AND RELATED WORK ON ROUTE 24	5	NHPP	\$6,312,800	\$5,050,240	\$1,262,560	
2021	608487	PIONEER VALLEY	WESTFIELD	WESTFIELD - RESURFACING AND RELATED WORK ON ROUTES 10 AND 202	2	NHPP	\$2,730,000	\$2,184,000	\$546,000	
2021	608489	PIONEER VALLEY	WILBRAHAM	WILBRAHAM - RESURFACING AND RELATED WORK ON ROUTE 20	2	NHPP	\$8,283,600	\$6,626,880	\$1,656,720	
2021	608481	SOUTHEASTERN MASSACHUSETTS	SEEKONK	SEEKONK RESURFACING AND RELATED WORK ON ROUTE 44	5	NHPP	\$4,546,510	\$3,637,208	\$909,302	
NON-INTERSTATE PAVEMENT SUBTOTAL:							\$66,346,055	\$53,076,844	\$13,269,211	
Safety Improvements										
2021	608620	STATEWIDE	MULTIPLE	ANDOVER- TEWKSBURY- HIGHWAY LIGHTING SYSTEM REHABILITATION AND REPAIR AT THE INTERCHANGE OF INTERSTATE ROUTES 93 AND 495	4	NHPP	\$9,568,000	\$7,654,400	\$1,913,600	
2021	TBD	STATEWIDE	MULTIPLE	STATEWIDE - CURVE WARNING SIGNS	Multi	HSIP	\$1,500,000	\$1,350,000	\$150,000	
SAFETY IMPROVEMENTS SUBTOTAL:							\$11,068,000	\$9,004,400	\$2,063,600	

2021										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
SECTION 2A / STATE PRIORITIZED RELIABILITY PROJECTSTOTAL:							\$277,693,795	\$225,042,183	\$52,651,612	
SECTION 2B / STATE PRIORITIZED MODERNIZATION PROJECTS										
ADA Retrofits										
2021	608605	STATEWIDE	MULTIPLE	DISTRICT 4- ADA RETROFITS AT VARIOUS LOCATIONS	4	STBG	\$840,000	\$672,000	\$168,000	
2021	608606	STATEWIDE	MULTIPLE	DISTRICT 5- ADA RETROFITS AT VARIOUS LOCATIONS	5	STBG	\$630,000	\$504,000	\$126,000	
ADA RETROFITS SUBTOTAL:							\$1,470,000	\$1,176,000	\$294,000	
Intelligent Transportation Systems										
2021	608361	STATEWIDE	MULTIPLE	STATEWIDE INTELLIGENT TRANSPORTATION SYSTEMS, YEAR 2021, FOR CIP POLICY DEVELOPMENT PURPOSES ONLY	Multi	NFP	\$10,000,000	\$8,000,000	\$2,000,000	
INTELLIGENT TRANSPORTATION SYSTEMS SUBTOTAL:							\$10,000,000	\$8,000,000	\$2,000,000	
Intersection Improvements										
2021	607748	BOSTON	ACTON	ACTON- INTERSECTION & SIGNAL IMPROVEMENTS ON SR 2 & SR 111 (MASSACHUSETTS AVENUE) AT PIPER ROAD & TAYLOR ROAD	3	HSIP	\$5,657,725	\$5,091,952	\$565,772	
2021	608562	BOSTON	SOMERVILLE	SOMERVILLE- SIGNAL AND INTERSECTION IMPROVEMENTS ON I-93 AT MYSTIC AVENUE AND MCGRATH HIGHWAY (TOP 200 CRASH LOCATION)	4	HSIP	\$5,181,613	\$4,663,452	\$518,161	
2021	607761	BOSTON	SWAMPSCOTT	SWAMPSCOTT- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 1A (PARADISE ROAD) AT SWAMPSCOTT MALL	4	HSIP	\$1,157,036	\$1,041,333	\$115,704	
2021	607342	BOSTON	MILTON	MILTON- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 28 (RANDOLPH AVENUE) & CHICKATAWBUT ROAD	6	HSIP	\$1,478,849	\$1,330,964	\$147,885	
2021	608086	OLD COLONY	AVON	AVON - INTERSECTION IMPROVEMENTS AT HARRISON BOULEVARD AND POND STREET	5	CMAQ	\$3,521,954	\$2,817,563	\$704,391	
2021	608053	SOUTHEASTERN MASSACHUSETTS	MANSFIELD	MANSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 140 (COMMERCIAL STREET) & SR 106 (CHAUNCEY STREET)	5	NHPP	\$1,475,045	\$1,180,036	\$295,009	
INTERSECTION IMPROVEMENTS SUBTOTAL:							\$18,472,222	\$16,125,300	\$2,346,922	
Roadway Reconstruction										
2021	608911	BOSTON	BELMONT	BELMONT- IMPROVEMENTS AT WELLINGTON ELEMENTARY SCHOOL (SRTS)	4	TAP	\$1,614,288	\$1,291,430	\$322,858	

2021

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2021	606476	BOSTON	BOSTON	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	6	HSIP	\$8,376,444	\$7,538,800	\$837,644	Construction; NHPP+HSIP+Other Federal Aid Total Cost = \$126,544,931; Total MPO Contribution = \$22,115,687; AC Yr 1 of 3
2021	606476	BOSTON	BOSTON	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	6	NHPP	\$6,901,660	\$5,521,328	\$1,380,332	Construction; NHPP+HSIP+Other Federal Aid Total Cost = \$126,544,931; Total MPO Contribution = \$22,115,687; AC Yr 1 of 3
2021	607901	BOSTON	DEDHAM	DEDHAM- PEDESTRIAN IMPROVEMENTS ALONG ELM STREET & RUSTCRAFT ROAD CORRIDORS	6	CMAQ	\$3,019,061	\$2,415,249	\$603,812	
2021	602659	CENTRAL MASSACHUSETTS	MULTIPLE	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	3	NHPP	\$58,433,862	\$46,747,090	\$11,686,772	a) Construction; b) Total Project Cost = \$62,433,862/AC YR 2 of 2
2021	608829	OLD COLONY	STOUGHTON	STOUGHTON- IMPROVEMENTS AT WEST ELEMENTARY SCHOOL (SRTS)	5	TAP	\$2,982,944	\$2,386,355	\$596,589	
ROADWAY RECONSTRUCTION SUBTOTAL:							\$81,328,259	\$65,900,252	\$15,428,007	
SECTION 2B / STATE PRIORITIZED MODERNIZATION PROJECTS TOTAL:							\$111,270,481	\$91,201,552	\$20,068,929	

SECTION 2C / STATE PRIORITIZED EXPANSION PROJECTS

Bicycles and Pedestrians

2021	607570	BERKSHIRE	LEE	LEE- BIKEWAY CONSTRUCTION, FROM STOCKBRIDGE T.L. TO WEST PARK STREET (PHASE 1)	1	CMAQ	\$5,267,069	\$4,213,655	\$1,053,414	
2021	609066	BOSTON	MULTIPLE	NEWTON- WESTON- MULTI-USE TRAIL CONNECTION, FROM RECREATION ROAD TO UPPER CHARLES RIVER GREENWAY INCLUDING RECONSTRUCTION OF PED BRIDGE N-12-078=W-29-062	6	CMAQ	\$2,767,958	\$2,214,367	\$553,592	
2021	607888	BOSTON	MULTIPLE	BOSTON- BROOKLINE- MULTI-USE PATH CONSTRUCTION ON NEW FENWAY	6	CMAQ	\$3,345,372	\$2,676,298	\$669,074	
2021	607588	FRANKLIN	NORTHFIELD	NORTHFIELD- CONSTRUCT BIKE/PED BRIDGE TO REPLACE N-22-002, SCHELL BRIDGE OVER THE CONNECTICUT RIVER	2	CMAQ	\$16,745,966	\$13,396,772	\$3,349,193	Construction. Total project cost \$16,745,966
2021	608142	MARTHA'S VINEYARD	OAK BLUFFS	OAK BLUFFS- CONSTRUCTION OF A SHARED USE PATH ALONG BEACH ROAD, FROM THE LAGOON POND BRIDGE NORTHERLY TO THE EASTVILLE AVENUE/COUNTY ROAD INTERSECTION -	5	CMAQ	\$1,015,896	\$812,717	\$203,179	Construction/Total Project Cost = \$2,240,448 w/ \$1,448,906 from MV regional funding / AC YR 1 of 2 / PSAC Score 29.5; GHG Quantified Decrease reported in 2022
2021	607541	MERRIMACK VALLEY	MULTIPLE	GEORGETOWN- BOXFORD- BORDER TO BOSTON TRAIL, FROM GEORGETOWN ROAD TO WEST MAIN STREET (ROUTE 97)	4	CMAQ	\$1,812,628	\$1,450,102	\$362,526	

2021

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2021	607885	NORTHERN MIDDLESEX	LOWELL	LOWELL- PEDESTRIAN WALKWAY & BICYCLE CONNECTION AT PAWTUCKET FALLS OVERLOOK, FROM VANDENBERG ESPLANADE TO SCHOOL STREET	4	CMAQ	\$2,321,280	\$1,857,024	\$464,256	Construction; Total Project Cost \$2,321,280; CMAQ; NMMPO TEC Score: 6.67 out of 18.
2021	608413	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- ROCKY HILL GREENWAY MULTI-USE TRAIL, FROM THE MANHAN RAIL TRAIL TO ROCKY HILL ROAD (0.4 MILES)	2	CMAQ	\$812,026	\$649,621	\$162,405	
BICYCLES AND PEDESTRIANS SUBTOTAL:							\$34,088,195	\$27,270,556	\$6,817,639	
SECTION 2C / STATE PRIORITIZED EXPANSION PROJECTS TOTAL:							\$34,088,195	\$27,270,556	\$6,817,639	

SECTION 3 / PLANNING / ADJUSTMENTS / PASS-THROUGHS

Planning / Adjustments / Pass throughs

2021	ABPGAN	STATEWIDE	MULTIPLE	ABP GANS Repayment	Multi	NHPP	\$85,190,000	\$85,190,000	\$0	
2021	ABPGAN	STATEWIDE	MULTIPLE	ABP GANS Repayment	Multi	STBG-BR-OFF	\$350,000	\$350,000	\$0	
2021	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	CMAQ	\$938,006	\$750,405	\$187,601	
2021	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	HSIP	\$1,945,494	\$1,750,945	\$194,549	
2021	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	NHPP	\$15,742,980	\$12,594,384	\$3,148,596	
2021	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	STBG	\$3,439,356	\$2,751,485	\$687,871	
2021	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	STBG-BR-OFF	\$1,250,675	\$1,000,540	\$250,135	
2021	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	TAP	\$312,669	\$250,135	\$62,534	
2021	TGP21	STATEWIDE	MULTIPLE	Transit Grant Program	Multi	CMAQ	\$1,975,000	\$1,580,000	\$395,000	
2021	FPIRT	STATEWIDE	MULTIPLE	Flex to Rail & Transit for Freight Plan Implementation	Multi	NFP	\$2,807,340	\$2,021,285	\$505,321	
2021	UPWP22	STATEWIDE	MULTIPLE	Metropolitan Planning	Multi	PL	\$11,087,375	\$8,869,900	\$2,217,475	
2021	SPR221	STATEWIDE	MULTIPLE	State Planning and Research Work Program II, (SPR II), Research	Multi	RD	\$4,500,000	\$3,600,000	\$900,000	
2021	SRT21	STATEWIDE	MULTIPLE	Recreational Trails	Multi	REC	\$1,483,411	\$1,186,729	\$296,682	
2021	RRC21	STATEWIDE	MULTIPLE	Railroad Crossings	Multi	RRHE	\$1,111,111	\$1,000,000	\$111,111	

2021										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2021	RRC21	STATEWIDE	MULTIPLE	Railroad Crossings	Multi	RRPD	\$1,111,111	\$1,000,000	\$111,111	
2021	UPWP22	STATEWIDE	MULTIPLE	Metropolitan Planning	Multi	SPR	\$1,423,720	\$1,138,976	\$284,744	
2021	SPR121	STATEWIDE	MULTIPLE	State Planning and Research Work Program I, (SPR I), Planning	Multi	SPR	\$13,033,371	\$10,426,697	\$2,606,674	
2021	SREDU21	STATEWIDE	MULTIPLE	SRTS Education	Multi	TAP	\$1,350,000	\$1,080,000	\$270,000	
PLANNING / ADJUSTMENTS / PASS-THROUGHSSUBTOTAL:							\$149,051,619	\$136,541,481	\$12,229,404	
SECTION 3 / PLANNING / ADJUSTMENTS / PASS-THROUGHSTOTAL:							\$149,051,619	\$136,541,481	\$12,229,404	
TOTAL	YEAR 2021						\$926,281,786	\$764,271,759	\$161,729,294	

2022										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
SECTION 1A / REGIONALLY PRIORITIZED PROJECTS										
Regionally Prioritized Projects										
Bicycles and Pedestrians										
2022	608164	BOSTON	SUDBURY	SUDBURY- BIKE PATH CONSTRUCTION (BRUCE FREEMAN RAIL TRAIL)	3	CMAQ	\$8,834,137	\$7,067,310	\$1,766,827	Construction; CMAQ+TAP Total Cost = \$9,334,137; MPO Evaluation Score = 40
2022	608164	BOSTON	SUDBURY	SUDBURY- BIKE PATH CONSTRUCTION (BRUCE FREEMAN RAIL TRAIL)	3	TAP	\$500,000	\$400,000	\$100,000	Construction; CMAQ+TAP Total Cost = \$9,334,137; MPO Evaluation Score = 40; TAP Proponent = Sudbury
2022	607738	BOSTON	BEDFORD	BEDFORD- MINUTEMAN BIKEWAY EXTENSION, FROM LOOMIS STREET TO THE CONCORD T.L.	4	CMAQ	\$6,489,964	\$5,191,971	\$1,297,993	Construction; CMAQ+TAP Total Cost = \$8,234,946; MPO Evaluation Score = 47
2022	607738	BOSTON	BEDFORD	BEDFORD- MINUTEMAN BIKEWAY EXTENSION, FROM LOOMIS STREET TO THE CONCORD T.L.	4	TAP	\$1,744,982	\$1,395,986	\$348,996	Construction; CMAQ+TAP Total Cost = \$8,234,946; MPO Evaluation Score = 47; TAP Proponent = Bedford
2022	607610	FRANKLIN	BUCKLAND	BUCKLAND- CONSTRUCTION OF BICYCLE SHOULDERS ON ROUTE 112, FROM MOHAWK TRAIL REGIONAL HIGH SCHOOL TO NORTH STREET	1	CMAQ	\$1,620,000	\$1,296,000	\$324,000	Construction; total project cost of \$1,500,000 inflated 4% per year to \$1,620,000; TEC score 5.2
2022	608142	MARTHA'S VINEYARD	OAK BLUFFS	OAK BLUFFS - CONSTRUCTION OF A SHARED USE PATH ALONG BEACH ROAD, FROM THE LAGOON POND DRAWBRIDGE NORTHERLY TO THE EASTVILLE AVENUE/COUNTY ROAD INTERSECTION	5	CMAQ	\$769,690	\$615,752	\$153,938	Construction/Total Project Cost = \$2,240,448 w/ \$1,448,906 from MV regional funding / AC YR 2 of 2 / PSAC Score 29.5
BICYCLES AND PEDESTRIANS SUBTOTAL:							\$19,958,773	\$15,967,019	\$3,991,754	
Bridge Program										
2022	608830	NORTHERN MIDDLESEX	WESTFORD	WESTFORD-BRIDGE REHABILITATION BEAVER BROOK ROAD OVER BEAVER BROOK (W-26-014)	3	STBG	\$1,752,192	\$1,401,754	\$350,438	a) Construction; b) Total project Cost at 2022 YOY: \$1,752,192 (\$1,620,000) STBG; d) NMMPO TEC Score: 6.07 out of 18.
BRIDGE PROGRAM SUBTOTAL:							\$1,752,192	\$1,401,754	\$350,438	
Intersection Improvements										
2022	605857	BOSTON	NORWOOD	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1 & UNIVERSITY AVENUE/EVERETT STREET	5	CMAQ	\$3,000,000	\$2,400,000	\$600,000	Construction; HSIP+CMAQ+STBG+NHPP Total Cost = \$10,166,526; MPO Evaluation Score = 55
2022	605857	BOSTON	NORWOOD	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1 & UNIVERSITY AVENUE/EVERETT STREET	5	HSIP	\$631,724	\$568,552	\$63,172	Construction; HSIP+CMAQ+STBG+NHPP Total Cost = \$10,166,526; MPO Evaluation Score = 55
2022	605857	BOSTON	NORWOOD	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1 & UNIVERSITY AVENUE/EVERETT STREET	5	NHPP	\$2,873,029	\$2,298,423	\$574,606	Construction; HSIP+CMAQ+STBG+NHPP Total Cost = \$10,166,526; MPO Evaluation Score = 55

2022

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2022	605857	BOSTON	NORWOOD	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1 & UNIVERSITY AVENUE/EVERETT STREET	5	STBG	\$3,661,773	\$2,929,418	\$732,355	Construction; HSIP+CMAQ+STBG+NHPP Total Cost = \$10,166,526; MPO Evaluation Score = 55
2022	608414	FRANKLIN	GREENFIELD	GREENFIELD- INTERSECTION IMPROVEMENTS AT TWO LOCATIONS, ROUTE 2 AND COLRAIN ROAD & ROUTE 2 AND BIG Y ENTRANCE	2	HSIP	\$253,975	\$228,578	\$25,398	Construction; total project cost of \$1,981,822 inflated 4% per year to \$2,140,368; funded with combination of HSIP & STP; TEC score 9.2
2022	608414	FRANKLIN	GREENFIELD	GREENFIELD- INTERSECTION IMPROVEMENTS AT TWO LOCATIONS, ROUTE 2 AND COLRAIN ROAD & ROUTE 2 AND BIG Y ENTRANCE	2	STBG	\$1,886,393	\$1,509,114	\$377,279	Construction; total project cost of \$1,981,822 inflated 4% per year to \$2,140,368; funded with combination of HSIP & STP; TEC score 9.2
2022	608761	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- INTERSECTION RECONSTRUCTION ON ROUTE 108 (NEWTON ROAD) AT ROUTE 110 (KENOZA AVENUE AND AMESBURY ROAD)	4	STBG	\$2,099,520	\$1,679,616	\$419,904	a) Construction; b) \$2,099,520 (Inflated 8% from 2020 cost) d) TEC = 8.87 out of 18
2022	606143	OLD COLONY	BROCKTON	BROCKTON - INTERSECTION IMPROVEMENTS @ CRESCENT STREET (ROUTE 27)/ QUINCY STREET/ MASSASOIT BOULEVARD	5	CMAQ	\$1,139,886	\$911,909	\$227,977	a) Construction; b) Total Project Cost = \$5,520,744 w/ \$4,380,858 of STBG funding, and \$1,139,886 of CMAQ funding; d) MPO score 45.83
2022	606143	OLD COLONY	BROCKTON	BROCKTON - INTERSECTION IMPROVEMENTS @ CRESCENT STREET (ROUTE 27)/ QUINCY STREET/ MASSASOIT BOULEVARD	5	STBG	\$4,380,858	\$3,504,686	\$876,172	a) Construction; b) Total Project Cost = \$5,520,744 w/ \$4,380,858 of STBG funding, and \$1,139,886 of CMAQ funding; d) MPO score 45.83
2022	608279	OLD COLONY	STOUGHTON	STOUGHTON - INTERSECTION IMPROVEMENTS AND RELATED WORK AT CENTRAL STREET, CANTON STREET AND TOSCA DRIVE	5	STBG	\$3,347,449	\$2,677,959	\$669,490	a) Construction; b) Total Project Cost = \$3,347,449 w/ \$3,347,449 of STBG funding; d) MPO score 43.22
2022	606450	PIONEER VALLEY	HOLYOKE	HOLYOKE-TRAFFIC SIGNAL UPGRADES AT 15 INTERSECTIONS ALONG HIGH & MAPLE STREETS	2	STBG	\$5,095,339	\$4,076,271	\$1,019,068	Construction / (YOE \$9,884,646 (\$4,789,307 in statewide funding) = \$5,095,339) / 63 TEC / 25 / STBG
2022	607339	SOUTHEASTERN MASSACHUSETTS	ATTLEBORO	ATTLEBORO- INTERSECTION IMPROVEMENTS AT ROUTE 1 (WASHINGTON STREET)/ROUTE 1A (NEWPORT AVENUE) AND ROUTE 123 (HIGHLAND AVENUE)	5	CMAQ	\$2,240,026	\$1,792,021	\$448,005	a) Construction; b) Total Cost = \$7,151,593 - HSIP (\$896,010) / CMAQ (\$2,240,026) / STBG (\$4,015,557); d) EC Score 61 of 100; i) Status 25%; HSIP Eligible; CMAQ Eligible Up To \$4,767,728
2022	607339	SOUTHEASTERN MASSACHUSETTS	ATTLEBORO	ATTLEBORO- INTERSECTION IMPROVEMENTS AT ROUTE 1 (WASHINGTON STREET)/ROUTE 1A (NEWPORT AVENUE) AND ROUTE 123 (HIGHLAND AVENUE)	5	HSIP	\$896,010	\$806,409	\$89,601	a) Construction; b) Total Cost = \$7,151,593 - HSIP (\$896,010) / CMAQ (\$2,240,026) / STBG (\$4,015,557); d) EC Score 61 of 100; i) Status 25%; HSIP Eligible; CMAQ Eligible Up To \$4,767,728
2022	607339	SOUTHEASTERN MASSACHUSETTS	ATTLEBORO	ATTLEBORO- INTERSECTION IMPROVEMENTS AT ROUTE 1 (WASHINGTON STREET)/ROUTE 1A (NEWPORT AVENUE) AND ROUTE 123 (HIGHLAND AVENUE)	5	STBG	\$4,015,557	\$3,212,446	\$803,111	a) Construction; b) Total Cost = \$7,151,593 - HSIP (\$896,010) / CMAQ (\$2,240,026) / STBG (\$4,015,557); d) EC Score 61 of 100; i) Status 25%; HSIP Eligible; CMAQ Eligible Up To \$4,767,728
2022	609201	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	NEW BEDFORD- INTERSECTION IMPROVEMENTS ON ACUSHNET AVENUE AT PECKHAM ROAD/SASSAQUIN AVENUE	5	STBG	\$1,621,296	\$1,297,037	\$324,259	a) Construction; b) Total Cost = \$1,621,296 STBG; d) EC Score 34 of 100; i) Status Pre 25%

2022										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
INTERSECTION IMPROVEMENTS SUBTOTAL:							\$37,142,835	\$29,892,439	\$7,250,397	
Planning / Adjustments / Pass-throughs										
2022	BN0009	BOSTON	MULTIPLE	COMMUNITY TRANSPORTATION PROGRAM	NA	CMAQ	\$2,000,000	\$1,600,000	\$400,000	Planning, Design, or Construction; Set Aside for LRTP Clean Air and Mobility Program
PLANNING / ADJUSTMENTS / PASS-THROUGH SUBTOTAL:							\$2,000,000	\$1,600,000	\$400,000	
Roadway Improvements										
2022	608350	NORTHERN MIDDLESEX	DRACUT	DRACUT-IMPROVEMENTS ON NASHUA ROAD	4	STBG	\$5,353,655	\$4,282,924	\$1,070,731	a) Construction; b) Total Project Cost at 2022 YOY: \$5,635,564 (\$5,210,395) STBG, TAP; d) NMMPO TEC Score: 7.42 out of 18; h) TAP proponent: Dracut.
2022	608350	NORTHERN MIDDLESEX	DRACUT	DRACUT-IMPROVEMENTS ON NASHUA ROAD	4	TAP	\$281,909	\$225,527	\$56,382	a) Construction; b) Total Project Cost at 2022 YOY: \$5,635,564 (\$5,210,395) STBG, TAP; d) NMMPO TEC Score: 7.42 out of 18; h) TAP proponent: Dracut.
2022	608577	PIONEER VALLEY	EASTHAMPTON	EASTHAMPTON- IMPROVEMENTS AND RELATED WORK ON UNION STREET (ROUTE 141) FROM PAYSON AVENUE TO HIGH STREET (0.36 MILES)	2	STBG	\$3,560,664	\$2,848,531	\$712,133	Construction / (YOY \$3,560,664) / 60 TEC / Pre 25% STBG
ROADWAY IMPROVEMENTS SUBTOTAL:							\$9,196,228	\$7,356,982	\$1,839,246	
Roadway Reconstruction										
2022	608767	BERKSHIRE	EGREMONT	EGREMONT- RECONSTRUCTION AND RELATED WORK ON ROUTE 23/41, FROM CREAMERY ROAD TO NORTH UNDERMOUNTAIN ROAD	1	CMAQ	\$858,128	\$686,502	\$171,626	STBG + CMAQ; Total Cost = 3,122,388; MPO evaluation score 6 of 8; Design Status: <25%; YOY = 8%
2022	608767	BERKSHIRE	EGREMONT	EGREMONT- RECONSTRUCTION AND RELATED WORK ON ROUTE 23/41, FROM CREAMERY ROAD TO NORTH UNDERMOUNTAIN ROAD	1	STBG	\$2,264,260	\$1,811,408	\$452,852	STBG + CMAQ; Total Cost = 3,122,388; MPO evaluation score 6 of 8; Design Status: <25%; YOY = 8%
2022	606233	BERKSHIRE	PITTSFIELD	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	1	CMAQ	\$681,210	\$544,968	\$136,242	STBG + CMAQ + HSIP; Total Cost = 5,404,320; MPO evaluation score 6 of 8; Design Status: <25%; YOY = 8%
2022	606233	BERKSHIRE	PITTSFIELD	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	1	HSIP	\$482,528	\$434,275	\$48,253	STBG + CMAQ + HSIP; Total Cost = 5,404,320; MPO evaluation score 6 of 8; Design Status: <25%; YOY = 8%
2022	606233	BERKSHIRE	PITTSFIELD	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	1	STBG	\$4,240,582	\$3,392,466	\$848,116	STBG + CMAQ + HSIP; Total Cost = 5,404,320; MPO evaluation score 6 of 8; Design Status: <25%; YOY = 8%
2022	608229	BOSTON	ACTON	ACTON- INTERSECTION & SIGNAL IMPROVEMENTS AT KELLEY'S CORNER, ROUTE 111 (MASSACHUSETTS AVENUE) AND ROUTE 27 (MAIN STREET)	3	CMAQ	\$3,000,000	\$2,400,000	\$600,000	Construction; CMAQ+TAP+STBG Total Cost = \$15,141,463; MPO Evaluation Score = 45

2022

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2022	608229	BOSTON	ACTON	ACTON- INTERSECTION & SIGNAL IMPROVEMENTS AT KELLEY'S CORNER, ROUTE 111 (MASSACHUSETTS AVENUE) AND ROUTE 27 (MAIN STREET)	3	STBG	\$11,941,463	\$9,553,170	\$2,388,293	Construction; CMAQ+TAP+STBG Total Cost = \$15,141,463; MPO Evaluation Score = 45
2022	608229	BOSTON	ACTON	ACTON- INTERSECTION & SIGNAL IMPROVEMENTS AT KELLEY'S CORNER, ROUTE 111 (MASSACHUSETTS AVENUE) AND ROUTE 27 (MAIN STREET)	3	TAP	\$200,000	\$160,000	\$40,000	Construction; CMAQ+TAP+STBG Total Cost = \$15,141,463; MPO Evaluation Score = 45; TAP project proponent = Acton
2022	608887	BOSTON	BELLINGHAM	BELLINGHAM- REHABILITATION AND RELATED WORK ON ROUTE 126, FROM DOUGLAS DRIVE TO ROUTE 140	3	CMAQ	\$2,000,000	\$1,600,000	\$400,000	Construction; CMAQ+STBG+TAP Total Cost = \$4,380,828; MPO Evaluation Score = 45
2022	608887	BOSTON	BELLINGHAM	BELLINGHAM- REHABILITATION AND RELATED WORK ON ROUTE 126, FROM DOUGLAS DRIVE TO ROUTE 140	3	STBG	\$1,500,000	\$1,200,000	\$300,000	Construction; CMAQ+STBG+TAP Total Cost = \$4,380,828; MPO Evaluation Score = 45
2022	608887	BOSTON	BELLINGHAM	BELLINGHAM- REHABILITATION AND RELATED WORK ON ROUTE 126, FROM DOUGLAS DRIVE TO ROUTE 140	3	TAP	\$880,828	\$704,662	\$176,166	Construction; CMAQ+STBG+TAP Total Cost = \$4,380,828; MPO Evaluation Score = 45
2022	608889	BOSTON	FRAMINGHAM	FRAMINGHAM- TRAFFIC SIGNAL INSTALLATION AT EDGELL ROAD AND CENTRAL STREET	3	CMAQ	\$1,680,000	\$1,344,000	\$336,000	Construction; CMAQ+STBG Total Cost = \$1,814,400; MPO Evaluation Score = 41
2022	608889	BOSTON	FRAMINGHAM	FRAMINGHAM- TRAFFIC SIGNAL INSTALLATION AT EDGELL ROAD AND CENTRAL STREET	3	STBG	\$134,400	\$107,520	\$26,880	Construction; CMAQ+STBG Total Cost = \$1,814,400; MPO Evaluation Score = 41
2022	601607	BOSTON	HULL	HULL- RECONSTRUCTION OF ATLANTIC AVENUE AND RELATED WORK FROM NANTASKET AVENUE TO COHASSET TOWN LINE	5	STBG	\$7,263,401	\$5,810,721	\$1,452,680	Construction; Total Cost = \$7,263,401; MPO Evaluation Score = 44
2022	606226	BOSTON	BOSTON	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	NHPP	\$14,664,180	\$11,731,344	\$2,932,836	Construction; NHPP+STBG+TAP Total Cost = \$152,000,000; AC Yr 1 of 5; Total funding in this TIP = \$111,685,278; MPO Evaluation Score = 59
2022	606226	BOSTON	BOSTON	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	STBG	\$7,609,193	\$6,087,354	\$1,521,839	Construction; NHPP+STBG+TAP Total Cost = \$152,000,000; AC Yr 1 of 5; Total funding in this TIP = \$111,685,278; MPO Evaluation Score = 59
2022	606226	BOSTON	BOSTON	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	TAP	\$1,282,990	\$1,026,392	\$256,598	Construction; NHPP+STBG+TAP Total Cost = \$152,000,000; AC Yr 1 of 5; Total funding in this TIP = \$111,685,278; MPO Evaluation Score = 59; TAP Proponent = Boston
2022	608078	BOSTON	CHELSEA	CHELSEA- RECONSTRUCTION ON BROADWAY (ROUTE 107), FROM CITY HALL AVENUE TO THE REVERE C.L.	6	CMAQ	\$1,000,000	\$800,000	\$200,000	Construction; CMAQ+STBG Total Cost = \$9,669,765; MPO Evaluation Score = 61
2022	608078	BOSTON	CHELSEA	CHELSEA- RECONSTRUCTION ON BROADWAY (ROUTE 107), FROM CITY HALL AVENUE TO THE REVERE C.L.	6	STBG	\$8,669,765	\$6,935,812	\$1,733,953	Construction; CMAQ+STBG Total Cost = \$9,669,765; MPO Evaluation Score = 61

2022										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2022	607777	BOSTON	WATERTOWN	WATERTOWN- REHABILITATION OF MOUNT AUBURN STREET (ROUTE 16)	6	CMAQ	\$1,000,000	\$800,000	\$200,000	Construction; HSIP+CMAQ+STBG Total Cost = \$15,120,000; MPO Evaluation Score = 75
2022	607777	BOSTON	WATERTOWN	WATERTOWN- REHABILITATION OF MOUNT AUBURN STREET (ROUTE 16)	6	HSIP	\$2,000,000	\$1,800,000	\$200,000	Construction; HSIP+CMAQ+STBG Total Cost = \$15,120,000; MPO Evaluation Score = 75
2022	607777	BOSTON	WATERTOWN	WATERTOWN- REHABILITATION OF MOUNT AUBURN STREET (ROUTE 16)	6	STBG	\$12,120,000	\$9,696,000	\$2,424,000	Construction; HSIP+CMAQ+STBG Total Cost = \$15,120,000; MPO Evaluation Score = 75
2022	607319	CAPE COD	MASHPEE	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	5	CMAQ	\$1,146,285	\$917,028	\$229,257	Construction; Total project cost = \$15,934,387 with 4% inflation (2021 STBG + 2021 HSIP + 2021 CMAQ + 2021 TAP + 2022 STBG + 2022 HSIP + 2022 CMAQ + 2022 TAP); MPO score = 80; AC Year 2 of 2; Municipality is TAP proponent; RSA conducted; CMAQ analysis to
2022	607319	CAPE COD	MASHPEE	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	5	HSIP	\$458,514	\$412,663	\$45,851	Construction; Total project cost = \$15,934,387 with 4% inflation (2021 STBG + 2021 HSIP + 2021 CMAQ + 2021 TAP + 2022 STBG + 2022 HSIP + 2022 CMAQ + 2022 TAP); MPO score = 80; AC Year 2 of 2; Municipality is TAP proponent; RSA conducted; CMAQ analysis to
2022	607319	CAPE COD	MASHPEE	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	5	STBG	\$8,206,265	\$6,565,012	\$1,641,253	Construction; Total project cost = \$15,934,387 with 4% inflation (2021 STBG + 2021 HSIP + 2021 CMAQ + 2021 TAP + 2022 STBG + 2022 HSIP + 2022 CMAQ + 2022 TAP); MPO score = 80; AC Year 2 of 2; Municipality is TAP proponent; RSA conducted; CMAQ analysis to
2022	607319	CAPE COD	MASHPEE	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	5	TAP	\$205,809	\$164,647	\$41,162	Construction; Total project cost = \$15,934,387 with 4% inflation (2021 STBG + 2021 HSIP + 2021 CMAQ + 2021 TAP + 2022 STBG + 2022 HSIP + 2022 CMAQ + 2022 TAP); MPO score = 80; AC Year 2 of 2; Municipality is TAP proponent; RSA conducted; CMAQ analysis to
2022	605377	CENTRAL MASSACHUSETTS	MILLBURY	MILLBURY - RECONSTRUCTION ON MCCracken ROAD & GREENWOOD STREET, INCLUDES REHAB OF M-22-058, MCCracken ROAD OVER ACCESS ROAD	3	STBG	\$8,404,552	\$6,723,642	\$1,680,910	a) Construction / b) STBG Total Project Cost = \$8,404,552 / d) PM Score = 16 / i) Design Status = 25%

2022

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2022	608432	CENTRAL MASSACHUSETTS	RUTLAND	RUTLAND - RECONSTRUCTION OF ROUTE 56 (POMMOGUSSETT ROAD)	3	STBG	\$4,700,563	\$3,760,450	\$940,113	a) Construction / b) STBG Total Project Cost = \$4,700,563 / d) PM Score = 15 / i) Design Status = 25%
2022	608171	CENTRAL MASSACHUSETTS	UXBRIDGE	UXBRIDGE - RECONSTRUCTION OF ROUTE 122 (SOUTH MAIN STREET), FROM SUSAN PARKWAY TO ROUTE 16	3	STBG	\$6,229,167	\$4,983,334	\$1,245,833	a) Construction / b) STBG + TAP Total Project Cost = \$6,719,220 / d) PM Score = 11 / i) Design Status = 75%
2022	608171	CENTRAL MASSACHUSETTS	UXBRIDGE	UXBRIDGE - RECONSTRUCTION OF ROUTE 122 (SOUTH MAIN STREET), FROM SUSAN PARKWAY TO ROUTE 16	3	TAP	\$490,053	\$392,042	\$98,011	a) Construction / b) STBG + TAP Total Project Cost = \$6,719,220 / d) PM Score = 11 / i) Design Status = 75%
2022	606463	FRANKLIN	BUCKLAND	BUCKLAND- RECONSTRUCTION & MINOR WIDENING ON CONWAY STREET, SOUTH STREET & CONWAY ROAD	1	STBG	\$2,003,334	\$1,602,667	\$400,667	Construction; total project cost of \$7,868,506 inflated 4% per year to \$8,183,247; A/C Year 2 Cost \$2,003,334; TEC score 9.1
2022	608095	MERRIMACK VALLEY	NORTH ANDOVER	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	4	CMAQ	\$1,107,389	\$885,911	\$221,478	a) Construction; b) \$17,399,023 (Inflated 4% from 2020 cost) = FFY 2021 (\$6,813,052 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP) + FFY 2022 (\$6,783,281 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP); c) AC Year 2 of 2 = \$8,684,626; d) T
2022	608095	MERRIMACK VALLEY	NORTH ANDOVER	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	4	HSIP	\$442,956	\$398,660	\$44,296	a) Construction; b) \$17,399,023 (Inflated 4% from 2020 cost) = FFY 2021 (\$6,813,052 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP) + FFY 2022 (\$6,783,281 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP); c) AC Year 2 of 2 = \$8,684,626; d) T
2022	608095	MERRIMACK VALLEY	NORTH ANDOVER	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	4	STBG	\$6,783,281	\$5,426,625	\$1,356,656	a) Construction; b) \$17,399,023 (Inflated 4% from 2020 cost) = FFY 2021 (\$6,813,052 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP) + FFY 2022 (\$6,783,281 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP); c) AC Year 2 of 2 = \$8,684,626; d) T
2022	608095	MERRIMACK VALLEY	NORTH ANDOVER	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	4	TAP	\$351,000	\$280,800	\$70,200	a) Construction; b) \$17,399,023 (Inflated 4% from 2020 cost) = FFY 2021 (\$6,813,052 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP) + FFY 2022 (\$6,783,281 STBG + \$1,107,389 CMAQ + \$442,956 HSIP + \$351,000 TAP); c) AC Year 2 of 2 = \$8,684,626; d) T

2022

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2022	604499	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION/ REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-024	3	CMAQ	\$1,321,714	\$1,057,371	\$264,343	Construction; TEC Score 38; 2019-2023 TIP year 2022; 2020 Cost \$9,537,7245 (YOE 8% - \$10,300,742); STBG; Possible Eligible for HSIP/CMAQ/TAP; TAP Proponent State/Leominster; Contract to Scope Given NTP; CMAQ Benefit TBD; 25% Design;
2022	604499	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION/ REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-023	3	HSIP	\$550,714	\$495,643	\$55,071	Construction; TEC Score 38; 2019-2023 TIP year 2022; 2020 Cost \$9,537,7245 (YOE 8% - \$10,300,742); STBG; Possible Eligible for HSIP/CMAQ/TAP; TAP Proponent State/Leominster; Contract to Scope Given NTP; CMAQ Benefit TBD; 25% Design;
2022	604499	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION/ REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	3	STBG	\$8,318,169	\$6,654,535	\$1,663,634	Construction; TEC Score 38; 2019-2023 TIP year 2022; 2020 Cost \$9,537,7245 (YOE 8% - \$10,300,742); STBG; Possible Eligible for HSIP/CMAQ/TAP; TAP Proponent State/Leominster; Contract to Scope Given NTP; CMAQ Benefit TBD; 25% Design;
2022	604499	MONTACHUSETT	LEOMINSTER	LEOMINSTER- RECONSTRUCTION/ REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-025	3	TAP	\$110,145	\$88,116	\$22,029	Construction; TEC Score 38; 2019-2023 TIP year 2022; 2020 Cost \$9,537,7245 (YOE 8% - \$10,300,742); STBG; Possible Eligible for HSIP/CMAQ/TAP; TAP Proponent State/Leominster; Contract to Scope Given NTP; CMAQ Benefit TBD; 25% Design;
2022	605178	NORTHERN MIDDLESEX	BILLERICA	BILLERICA- REHABILITATION ON BOSTON ROAD (ROUTE 3A) FROM BILLERICA TOWN CENTER TO FLOYD STREET	4	STBG	\$2,319,281	\$1,855,425	\$463,856	a) Construction; b) Total Project Cost at 2022 and 2023 YOE \$12,180,423 (\$10,910,825) STBG, TAP; c) ac yr 1 of 2; d) NMMPO TEC Score: 6.40 out of 18; h) TAP Proponent: Billerica.
2022	605032	PIONEER VALLEY	HADLEY	HADLEY- RECONSTRUCTION ON ROUTE 9, FROM MIDDLE STREET TO MAPLE/SOUTH MAPLE STREET	2	HSIP	\$2,118,494	\$1,906,645	\$211,849	Construction / (YOE \$24,849,741) A/C Year 2 of 2 FFY 2021 \$10,917,509, FFY 2022 \$13,932,231 /61 TEC / 25% STBG, HSIP, TAP
2022	605032	PIONEER VALLEY	HADLEY	HADLEY- RECONSTRUCTION ON ROUTE 9, FROM MIDDLE STREET TO MAPLE/SOUTH MAPLE STREET	2	STBG	\$11,284,113	\$9,027,290	\$2,256,823	Construction / (YOE \$24,849,741) A/C Year 2 of 2 FFY 2021 \$10,917,509, FFY 2022 \$13,932,231 /61 TEC / 25% STBG, HSIP, TAP
2022	605032	PIONEER VALLEY	HADLEY	HADLEY- RECONSTRUCTION ON ROUTE 9, FROM MIDDLE STREET TO MAPLE/SOUTH MAPLE STREET	2	TAP	\$529,624	\$423,699	\$105,925	Construction / (YOE \$24,849,741) A/C Year 2 of 2 FFY 2021 \$10,917,509, FFY 2022 \$13,932,231 /61 TEC / 25% STBG, HSIP, TAP

2022

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2022	608374	PIONEER VALLEY	WEST SPRINGFIELD	WEST SPRINGFIELD- RECONSTRUCTION OF MEMORIAL AVENUE (ROUTE 147), FROM COLONY ROAD TO THE MEMORIAL AVENUE ROTARY (1.4 MILES)	2	STBG	\$4,251,369	\$3,401,095	\$850,274	Construction / (YOE \$24,348,731) AC Year 1 of 2 FFY 2022 \$4,251,369 FFY2023 \$20,097,362 / 70 TEC / 25% / STBG
2022	608586	SOUTHEASTERN MASSACHUSETTS	DARTMOUTH	DARTMOUTH- CORRIDOR IMPROVEMENTS ON DARTMOUTH STREET AND PROSPECT STREET	5	STBG	\$4,320,086	\$3,456,069	\$864,017	a) Construction; b) Total Cost = \$4,320,086 STBG; d) EC Score 28 of 100; i) Status Pre 25%
2022	606024	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- RECONSTRUCTION OF ROUTE 44 (DEAN STREET), FROM ARLINGTON STREET TO ROUTE 104 (SOUTH MAIN STREET)	5	CMAQ	\$1,500,000	\$1,200,000	\$300,000	a) Construction; b) Total Cost = \$8,156,026 - HSIP (\$896,010) / CMAQ (\$1,500,000) / STBG (\$5,760,016); d) EC Score 73 of 100; i) Status Pre 25%; Anticipating CMAQ Eligibility
2022	606024	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- RECONSTRUCTION OF ROUTE 44 (DEAN STREET), FROM ARLINGTON STREET TO ROUTE 104 (SOUTH MAIN STREET)	5	HSIP	\$896,010	\$806,409	\$89,601	a) Construction; b) Total Cost = \$8,156,026 - HSIP (\$896,010) / CMAQ (\$1,500,000) / STBG (\$5,760,016); d) EC Score 73 of 100; i) Status Pre 25%; Anticipating CMAQ Eligibility
2022	606024	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- RECONSTRUCTION OF ROUTE 44 (DEAN STREET), FROM ARLINGTON STREET TO ROUTE 104 (SOUTH MAIN STREET)	5	STBG	\$5,760,016	\$4,608,013	\$1,152,003	a) Construction; b) Total Cost = \$8,156,026 - HSIP (\$896,010) / CMAQ (\$1,500,000) / STBG (\$5,760,016); d) EC Score 73 of 100; i) Status Pre 25%; Anticipating CMAQ Eligibility
ROADWAY RECONSTRUCTION SUBTOTAL:							\$169,281,831	\$136,120,385	\$33,161,446	
REGIONALLY PRIORITIZED PROJECTS SUBTOTAL:							\$239,331,859	\$192,338,579	\$46,993,281	
SECTION 1A / REGIONALLY PRIORITIZED PROJECTS TOTAL:							\$239,331,859	\$192,338,579	\$46,993,281	

SECTION 1B / EARMARK OR DISCRETIONARY GRANT FUNDED PROJECTS

Other Federal Aid

2022	606890	BERKSHIRE	MULTIPLE	ADAMS- NORTH ADAMS- ASHUWILLTICOOK RAIL TRAIL EXTENSION TO ROUTE 8A (HODGES CROSS ROAD)	1	HPP	\$640,000	\$512,000	\$128,000	Construction/ PSAC Score 27; (SAFETY-LU, HPP 2850 - MA Berkshire County Bike Paths, Design & Construction - \$5,007,375 (Earmark Total)
2022	605888	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- INTERCHANGE IMPROVEMENTS AT ROUTES 24 & 140, INCLUDING REPLACING T-01-045 AND T-01-046	5	HPP	\$21,281,345	\$17,025,076	\$4,256,269	Construction; Total Project Cost \$147,054,700 - FFY2021 \$84,889,772 HIP, FFY2022 \$25,883,583 On System, \$15,000,000 MBTA & \$21,281,345 HPP ; AC Year 1 of 2; Earmarks MA113 & MA 205 (Total \$21,281,345)

2022

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2022	606476	BOSTON	BOSTON	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	6	OTHER FA	\$11,607,808	\$9,286,246	\$2,321,562	Construction; NHPP+HSIP+Other Federal Aid Total Cost = \$126,544,931; Total MPO Contribution = \$22,115,687; AC Yr 2 of 3; Other Federal Aid = NHPP-E
2022	606476	BOSTON	BOSTON	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	6	OTHER FA	\$11,607,808	\$9,286,246	\$2,321,562	Construction; NHPP+HSIP+Other Federal Aid Total Cost = \$126,544,931; Total MPO Contribution = \$22,115,687; AC Yr 2 of 3; Other Federal Aid = NHPP-E
2022	606476	BOSTON	BOSTON	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	6	OTHER FA	\$11,607,808	\$9,286,246	\$2,321,562	Construction; NHPP+HSIP+Other Federal Aid Total Cost = \$126,544,931; Total MPO Contribution = \$22,115,687; AC Yr 2 of 3; Other Federal Aid = NHPP-E

OTHER FEDERAL AID SUBTOTAL: \$56,744,769 \$45,395,814 \$11,348,955

SECTION 1B / EARMARK OR DISCRETIONARY GRANT FUNDED PROJECTS TOTAL: \$56,744,769 \$45,395,814 \$11,348,955

SECTION 2A / STATE PRIORITIZED RELIABILITY PROJECTS

Bridge Program / Inspections

2022	TI22	STATEWIDE	MULTIPLE	Tunnel Inspection	Multi	NHPP-OFF	\$500,000	\$400,000	\$100,000	
2022	BRI22	STATEWIDE	MULTIPLE	Bridge Inspection	Multi	NHPP-OFF	\$8,757,000	\$7,005,600	\$1,751,400	
2022	BRI22	STATEWIDE	MULTIPLE	Bridge Inspection	Multi	NHPP-ON	\$10,703,000	\$8,562,400	\$2,140,600	
2022	BRI22	STATEWIDE	MULTIPLE	Bridge Inspection	Multi	STBG-BR-OFF	\$8,340,000	\$6,672,000	\$1,668,000	
BRIDGE PROGRAM / INSPECTIONS SUBTOTAL:							\$28,300,000	\$22,640,000	\$5,660,000	

Bridge Program / Off System

2022	608856	BERKSHIRE	OTIS	OTIS- BRIDGE REPLACEMENT, O-05-007, TANNERY ROAD OVER W. BRANCH OF FARMINGTON RIVER	1	STBG-BR-OFF	\$821,280	\$657,024	\$164,256	
2022	608860	BERKSHIRE	PITTSFIELD	PITTSFIELD- BRIDGE REPLACEMENT, P-10-055, EAST NEW LENOX ROAD OVER SACKETT BROOK	1	STBG-BR-OFF	\$573,504	\$458,803	\$114,701	
2022	608255	BOSTON	STOW	STOW- BRIDGE REPLACEMENT, S-29-011, BOX MILL ROAD OVER ELIZABETH BROOK	3	STBG-BR-OFF	\$3,612,223	\$2,889,779	\$722,445	
2022	608851	CENTRAL MASSACHUSETTS	MULTIPLE	HARDWICK- NEW BRAINTREE- BRIDGE REPLACEMENT, H-08-003=N-07-002, CREAMERY ROAD OVER WARE RIVER	2	STBG-BR-OFF	\$4,123,104	\$3,298,483	\$824,621	a) Construction
2022	608862	CENTRAL MASSACHUSETTS	SOUTHBRIDGE	SOUTHBRIDGE- BRIDGE REPLACEMENT, S-21-009, MILL STREET OVER THE MCKINSTRY BROOK	3	STBG-BR-OFF	\$1,593,440	\$1,274,752	\$318,688	a) Construction
2022	608907	CENTRAL MASSACHUSETTS	UXBRIDGE	UXBRIDGE- BRIDGE REPLACEMENT, U-02-052, ROUTE 146 RAMP OVER EMERSON BROOK	3	STBG-BR-OFF	\$1,518,862	\$1,215,090	\$303,772	a) Construction

2022										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2022	608858	FRANKLIN	CHARLEMONT	CHARLEMONT- BRIDGE REPLACEMENT, C-05-042, EAST OXBOW ROAD OVER OXBOW BROOK	1	STBG-BR-OFF	\$1,396,176	\$1,116,941	\$279,235	Construction. Total project cost \$1,396,176
2022	608855	FRANKLIN	ROWE	ROWE- BRIDGE REPLACEMENT, R-10-008, CYRUS STAGE ROAD OVER POTTER BROOK	1	STBG-BR-OFF	\$1,990,560	\$1,592,448	\$398,112	Construction. Total project cost \$1,990,560
2022	608849	FRANKLIN	LEVERETT	LEVERETT- BRIDGE REPLACEMENT, L-09-003, MILLERS ROAD OVER ROARING BROOK	2	STBG-BR-OFF	\$1,128,912	\$903,130	\$225,782	Construction. Total project cost \$1,128,912
2022	608850	MONTACHUSETT	PETERSHAM	PETERSHAM- BRIDGE REPLACEMENT, P-08-002, GLEN VALLEY ROAD OVER EAST BRANCH OF SWIFT RIVER	2	STBG-BR-OFF	\$4,569,936	\$3,655,949	\$913,987	
2022	605296	MONTACHUSETT	FITCHBURG	FITCHBURG- BRIDGE PRESERVATION, F-04-011, CIRCLE STREET OVER NORTH NASHUA RIVER	3	STBG-BR-OFF	\$3,058,688	\$2,446,950	\$611,738	
2022	608861	NORTHERN MIDDLESEX	WESTFORD	WESTFORD- BRIDGE REPLACEMENT, W-26-002, STONY BROOK ROAD OVER THE STONY BROOK	3	STBG-BR-OFF	\$2,205,120	\$1,764,096	\$441,024	Construction; Total Project Cost: \$2,205,120; STBG-BR-OFF; NMMPO TEC Score: 5.23 out of 18.
2022	608846	PIONEER VALLEY	MONSON	MONSON- BRIDGE REPLACEMENT, M-27-015, OLD WALES ROAD OVER CONANT BROOK	2	STBG-BR-OFF	\$1,742,784	\$1,394,227	\$348,557	
2022	608869	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- BRIDGE REPLACEMENT, N-19-068, OLD SPRINGFIELD ROAD OVER THE MILL RIVER	2	STBG-BR-OFF	\$3,981,000	\$3,184,800	\$796,200	
2022	608847	PIONEER VALLEY	WALES	WALES- BRIDGE REPLACEMENT, W-02-002, HOLLAND ROAD OVER WALES BROOK	2	STBG-BR-OFF	\$540,096	\$432,077	\$108,019	
BRIDGE PROGRAM / OFF-SYSTEM SUBTOTAL:							\$32,855,685	\$26,284,549	\$6,571,137	
Bridge Program / On System (NHS)										
2022	604952	BOSTON	MULTIPLE	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	4	NHPP-ON	\$22,307,071	\$17,845,656	\$4,461,414	AC Year 4 of 5, Total Cost \$84,253,135
2022	607327	BOSTON	WILMINGTON	WILMINGTON- BRIDGE REPLACEMENT, W-38-002, ROUTE 38 (MAIN STREET) OVER THE B&M	4	NHPP-ON	\$10,760,960	\$8,608,768	\$2,152,192	
2022	608614	BOSTON	BOSTON	BOSTON- BRIDGE SUBSTRUCTURE REPAIRS, B-16-179, AUSTIN STREET OVER I-93 RAMPS, MBTA COMMUTER RAIL AND ORANGE LINE	6	NHPP-ON	\$5,000,000	\$4,000,000	\$1,000,000	
2022	604173	BOSTON	BOSTON	BOSTON- BRIDGE REPLACEMENT, B-16-016, NORTH WASHINGTON STREET OVER THE BOSTON INNER HARBOR	6	NHPP-ON	\$28,825,728	\$23,060,582	\$5,765,146	AC Year 6 of 6, Total Cost \$176,318,433
2022	605306	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- BRIDGE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER	4	NHPP-ON	\$18,203,683	\$14,562,946	\$3,640,737	AC Year 5 of 6, Total Cost \$118,786,388
2022	606552	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- BRIDGE RECONSTRUCTION, N-19-059, I-91 OVER US 5/BMRR & N-19-060, I-91 OVER HOCKANUM ROAD	2	NHPP-ON	\$11,128,545	\$8,902,836	\$2,225,709	AC Year 3 of 5, Total Cost \$56,891,767

2022										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2022	605888	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- INTERCHANGE IMPROVEMENTS AT ROUTES 24 & 140, INCLUDING REPLACING T-01-045 AND T-01-046	5	NHPP-ON	\$25,883,583	\$20,706,866	\$5,176,717	Construction; Total Project Cost \$147,054,700 - FFY2021 \$84,889,772 HIP, FFY2022 \$25,883,583 On System, \$15,000,000 MBTA & \$21,281,345 HPP ; AC Year 1 of 2; Earmarks MA113 & MA 205 (Total \$21,281,345)
BRIDGE PROGRAM / ON-SYSTEM (NHS)SUBTOTAL:							\$122,109,570	\$97,687,654	\$24,421,915	
Bridge Program / On System (Non NHS)										
2022	608929	BOSTON	WILMINGTON	WILMINGTON- BRIDGE REPLACEMENT, W-38-003, BUTTERS ROW OVER MBTA	4	NHPP-OFF	\$5,183,360	\$4,146,688	\$1,036,672	
BRIDGE PROGRAM / ON-SYSTEM (NON-NHS)SUBTOTAL:							\$5,183,360	\$4,146,688	\$1,036,672	
Bridge Program / Systematic Maintenance										
2022	609162	BERKSHIRE	WILLIAMSTOWN	WILLIAMSTOWN- SYSTEMATIC BRIDGE MAINTENANCE, W-37-013, ROUTE 7 (MOODY BRIDGE) OVER HOOSIC RIVER & PAN-AM RR	1	NHPP-OFF	\$522,200	\$417,760	\$104,440	
2022	608866	BOSTON	MULTIPLE	NEWTON- WESTON- STEEL SUPERSTRUCTURE CLEANING (FULL REMOVAL) AND PAINTING OF 3 BRIDGES: N-12-051, W-29-011 & W-29-028	6	NHPP-ON	\$2,349,900	\$1,879,920	\$469,980	
2022	608837	STATEWIDE	MULTIPLE	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2022)	2	NHPP-OFF	\$1,540,000	\$1,232,000	\$308,000	
2022	TBD	STATEWIDE	MULTIPLE	DISTRICT 4- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2022)	4	NHPP-OFF	\$3,000,000	\$2,400,000	\$600,000	
2022	608863	STATEWIDE	MULTIPLE	DISTRICT 5- SYSTEMATIC BRIDGE PRESERVATION ALONG THE ROUTE 24 CORRIDOR	5	NHPP-ON	\$1,605,100	\$1,284,080	\$321,020	
BRIDGE PROGRAM / SYSTEMATIC MAINTENANCESUBTOTAL:							\$9,017,200	\$7,213,760	\$1,803,440	
Interstate Pavement										
2022	608827	SOUTHEASTERN MASSACHUSETTS	MULTIPLE	NORTH ATTLEBOROUGH-ATTLEBORO - INTERSTATE MAINTENANCE AND RELATED WORK ON I-295	5	NHPP	\$9,206,266	\$8,285,639	\$920,627	
2022	608210	STATEWIDE	MULTIPLE	FOXBOROUGH-PLAINVILLE-WRENTHAM-FRANKLIN I. M. RESURFACING WORK ON I-495 (NORTHBOUND)	5	NHPP	\$16,312,320	\$14,681,088	\$1,631,232	
INTERSTATE PAVEMENT SUBTOTAL:							\$25,518,586	\$22,966,727	\$2,551,859	
Non Interstate Pavement										
2022	608813	BERKSHIRE	LANESBOROUGH	LANESBOROUGH - RESURFACING AND RELATED WORK ON ROUTE 7	1	NHPP	\$2,033,942	\$1,627,154	\$406,788	
2022	609103	BERKSHIRE	MULTIPLE	NORTH ADAMS - FLORIDA RESURFACING AND RELATED WORK ON ROUTE 2	1	NHPP	\$5,941,253	\$4,753,002	\$1,188,251	

2022

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2022	608818	BOSTON	DANVERS	DANVERS - RESURFACING AND RELATED WORK ON ROUTE 114	4	NHPP	\$1,003,590	\$802,872	\$200,718	
2022	608817	BOSTON	MULTIPLE	SALEM-LYNN - RESURFACING AND RELATED WORK ON RTE 107	4	NHPP	\$2,278,125	\$1,822,500	\$455,625	
2022	608480	BOSTON	FOXBOROUGH	FOXBOROUGH - RESURFACING AND RELATED WORK ON US ROUTE 1	5	NHPP	\$7,072,920	\$5,658,336	\$1,414,584	
2022	608815	CENTRAL MASSACHUSETTS	HOLDEN	HOLDEN - RESURFAING AND RELATED WORK ON ROUTE 122A	3	NHPP	\$2,752,704	\$2,202,163	\$550,541	a) Construction
2022	608490	CENTRAL MASSACHUSETTS	MULTIPLE	UPTON-GRAFTON - RESURFACING AND RELATED WORK ON ROUTE 140	3	NHPP	\$7,397,892	\$5,918,314	\$1,479,578	a) Construction
2022	608814	CENTRAL MASSACHUSETTS	MULTIPLE	SPENCER-EAST BROOKFIELD - RESURFACING AND RELATED WORK ON ROUTE 9	3	NHPP	\$8,411,040	\$6,728,832	\$1,682,208	a) Construction
2022	608491	CENTRAL MASSACHUSETTS	UXBRIDGE	UXBRIDGE - RESURFACING AND RELATED WORK ON ROUTE 16	3	NHPP	\$4,043,034	\$3,234,427	\$808,607	a) Construction
2022	608466	PIONEER VALLEY	MULTIPLE	BELCHERTOWN-GRANBY RESURFACING AND RELATED WORK ON ROUTE 202	2	NHPP	\$3,372,062	\$2,697,650	\$674,412	
2022	604209	PIONEER VALLEY	MULTIPLE	HOLYOKE-WEST SPRINGFIELD- REHABILITATION OF ROUTE 5	2	NHPP	\$14,489,928	\$11,591,942	\$2,897,986	
2022	608816	STATEWIDE	MULTIPLE	DRACUT-METHUEN - RESURFACING AND RELATED WORK ON RTE 110	4	NHPP	\$5,161,320	\$4,129,056	\$1,032,264	
NON-INTERSTATE PAVEMENT SUBTOTAL:							\$63,957,810	\$51,166,248	\$12,791,562	
Roadway Improvements										
2022	608599	BOSTON	MULTIPLE	CANTON- SHARON- FOXBOROUGH- NORWOOD- WALPOLE- STORMWATER IMPROVEMENTS ALONG ROUTE 1, ROUTE 1A & INTERSTATE 95	5	STBG	\$526,235	\$420,988	\$105,247	
ROADWAY IMPROVEMENTS SUBTOTAL:							\$526,235	\$420,988	\$105,247	
Safety Improvements										
2022	609060	BOSTON	MULTIPLE	LYNNFIELD- PEABODY- DANVERS- GUIDE AND TRAFFIC SIGN REPLACEMENT ON I-95/128 (TASK 'A' INTERCHANGE)	4	HSIP	\$495,860	\$446,274	\$49,586	
2022	609090	BOSTON	MULTIPLE	BOSTON- MILTON- QUINCY- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM NEPONSET AVENUE TO THE BRAINTREE SPLIT	6	NHPP	\$9,568,000	\$7,654,400	\$1,913,600	
2022	609056	STATEWIDE	MULTIPLE	HOLLAND TO STURBRIDGE- GUIDE AND TRAFFIC SIGN REPLACEMENT ON INTERSTATE 84	3	HSIP	\$517,905	\$466,115	\$51,791	
2022	608574	STATEWIDE	MULTIPLE	BURLINGTON TO TYNGSBOROUGH- GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF US 3	4	NHPP	\$8,723,791	\$6,979,033	\$1,744,758	
SAFETY IMPROVEMENTS SUBTOTAL:							\$19,305,556	\$15,545,822	\$3,759,735	

2022										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
SECTION 2A / STATE PRIORITIZED RELIABILITY PROJECTSTOTAL:							\$306,774,002	\$248,072,436	\$58,701,567	
SECTION 2B / STATE PRIORITIZED MODERNIZATION PROJECTS										
Intelligent Transportation Systems										
2022	608839	STATEWIDE	MULTIPLE	STATEWIDE INTELLIGENT TRANSPORTATION SYSTEMS, YEAR 2022, FOR CIP POLICY DEVELOPMENT PURPOSES ONLY	Multi	NFP	\$10,000,000	\$8,000,000	\$2,000,000	
INTELLIGENT TRANSPORTATION SYSTEMSSUBTOTAL:							\$10,000,000	\$8,000,000	\$2,000,000	
Intersection Improvements										
2022	608567	BOSTON	PEABODY	PEABODY- IMPROVEMENTS AT ROUTE 114 AT SYLVAN STREET, CROSS STREET, NORTHSHORE MALL, LORIS ROAD, ROUTE 128 INTERCHANGE AND ESQUIRE DRIVE	4	HSIP	\$1,815,480	\$1,633,932	\$181,548	
2022	608569	BOSTON	QUINCY	QUINCY- INTERSECTION IMPROVEMENTS AT ROUTE 3A (SOUTHERN ARTERY) AND BROAD STREET	6	HSIP	\$3,132,000	\$2,818,800	\$313,200	
2022	608568	CAPE COD	YARMOUTH	YARMOUTH- IMPROVEMENTS AT MAIN STREET (ROUTE 28) AT NORTH MAIN STREET AT OLD MAIN STREET	5	HSIP	\$2,621,360	\$2,359,224	\$262,136	
2022	606450	PIONEER VALLEY	HOLYOKE	HOLYOKE- TRAFFIC SIGNAL UPGRADES AT 15 INTERSECTIONS ALONG HIGH & MAPLE STREETS	2	CMAQ	\$4,789,307	\$3,831,446	\$957,861	
2022	608560	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- IMPROVEMENTS ON ST. JAMES AVENUE AT TAPLEY STREET	2	HSIP	\$1,716,574	\$1,544,916	\$171,657	
2022	608565	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- IMPROVEMENTS ON ST. JAMES AVENUE AT ST. JAMES BOULEVARD AND CAREW STREET	2	HSIP	\$2,592,000	\$2,332,800	\$259,200	
INTERSECTION IMPROVEMENTSSUBTOTAL:							\$16,666,721	\$14,521,118	\$2,145,602	
Roadway Reconstruction										
2022	607977	BOSTON	MULTIPLE	HOPKINTON- WESTBOROUGH- RECONSTRUCTION OF I-90/I-495 INTERCHANGE	3	NFP	\$27,500,000	\$22,000,000	\$5,500,000	a) Construction; Total Federal Participating Cost (TFPC) = \$189,451,000; AC Yr 1 of 5
2022	607977	BOSTON	MULTIPLE	HOPKINTON- WESTBOROUGH- RECONSTRUCTION OF I-90/I-495 INTERCHANGE	3	NHPP	\$12,233,939	\$9,787,151	\$2,446,788	a) Construction; Total Federal Participating Cost (TFPC) = \$189,451,000; AC Yr 1 of 5
2022	608049	SOUTHEASTERN MASSACHUSETTS	FALL RIVER	FALL RIVER- CORRIDOR IMPROVEMENTS ON ROUTE 79/DAVOL STREET	5	NHPP	\$800,000	\$640,000	\$160,000	a) Construction; Total Federal Participating Cost (TFPC) = \$87,793,200; AC Yr 1 of 3

2022										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2022	608049	SOUTHEASTERN MASSACHUSETTS	FALL RIVER	FALL RIVER- CORRIDOR IMPROVEMENTS ON ROUTE 79/DAVOL STREET	5	STBG	\$26,500,000	\$21,200,000	\$5,300,000	a) Construction; Total Federal Participating Cost (TFPC) = \$87,793,200; AC Yr 1 of 3
2022	608049	SOUTHEASTERN MASSACHUSETTS	FALL RIVER	FALL RIVER- CORRIDOR IMPROVEMENTS ON ROUTE 79/DAVOL STREET	5	TAP	\$2,335,335	\$1,868,268	\$467,067	a) Construction; Total Federal Participating Cost (TFPC) = \$87,793,200; AC Yr 1 of 3
2022	TBD	STATEWIDE	MULTIPLE	SAFE ROUTES TO SCHOOL	Multi	TAP	\$5,000,000	\$4,000,000	\$1,000,000	a) Construction; Safe Routes to School projects based on new selection process to be identified in 2022-2024
ROADWAY RECONSTRUCTION SUBTOTAL:							\$74,369,274	\$59,495,419	\$14,873,855	
SECTION 2B / STATE PRIORITIZED MODERNIZATION PROJECTS TOTAL:							\$101,035,995	\$82,016,537	\$19,019,457	
SECTION 2C / STATE PRIORITIZED EXPANSION PROJECTS										
Bicycles and Pedestrians										
2022	606890	BERKSHIRE	MULTIPLE	ADAMS- NORTH ADAMS- ASHUWILLTICOOK RAIL TRAIL EXTENSION TO ROUTE 8A (HODGES CROSS ROAD)	1	CMAQ	\$6,677,100	\$5,341,680	\$1,335,420	HPP= \$640,000 in FFY2022
2022	607398	CAPE COD	MULTIPLE	YARMOUTH- BARNSTABLE- CAPE COD RAIL TRAIL EXTENSION, INCLUDES NEW BRIDGE OVER WILLOW STREET & RAILROAD (PHASE III)	5	CMAQ	\$9,152,673	\$7,322,138	\$1,830,535	
2022	608422	CAPE COD	SANDWICH	SANDWICH- CONSTRUCTION OF SHARED USE PATH ALONG SERVICE ROAD FROM ROUTE 130 TO CHASE ROAD	5	CMAQ	\$5,400,432	\$4,320,346	\$1,080,086	
2022	609108	MONTACHUSETT	GARDNER	GARDNER- BIKE PATH BRIDGE CONSTRUCTION, NORTH CENTRAL PATHWAY OVER ROUTE 140	3	CMAQ	\$3,240,000	\$2,592,000	\$648,000	
2022	608719	PIONEER VALLEY	MULTIPLE	AMHERST- BELCHERTOWN- NORWOTTUCK RAIL TRAIL RESURFACING, FROM STATION ROAD IN AMHERST TO WARREN WRIGHT ROAD IN BELCHERTOWN (1.5 MILES)	2	CMAQ	\$1,620,000	\$1,296,000	\$324,000	
2022	608157	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- MCKNIGHT COMMUNITY TRAIL CONSTRUCTION, FROM ARMORY STREET TO HAYDEN AVENUE (1.5 MILES)	2	CMAQ	\$3,694,624	\$2,955,699	\$738,925	
2022	607822	SOUTHEASTERN MASSACHUSETTS	MULTIPLE	NORTON- MANSFIELD- RAIL TRAIL EXTENSION (WORLD WAR II VETERANS TRAIL)	5	CMAQ	\$3,996,490	\$3,197,192	\$799,298	
BICYCLES AND PEDESTRIANS SUBTOTAL:							\$33,781,319	\$27,025,055	\$6,756,264	
SECTION 2C / STATE PRIORITIZED EXPANSION PROJECTS TOTAL:							\$33,781,319	\$27,025,055	\$6,756,264	

2022

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
SECTION 3 / PLANNING / ADJUSTMENTS / PASS-THROUGHS										
Planning / Adjustments / Pass throughs										
2022	ABPGAN	STATEWIDE	MULTIPLE	ABP GANS Repayment	Multi	NHPP	\$85,590,000	\$85,590,000	\$0	
2022	ABPGAN	STATEWIDE	MULTIPLE	ABP GANS Repayment	Multi	STBG-BR-OFF	\$350,000	\$350,000	\$0	
2022	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	CMAQ	\$1,253,945	\$1,003,156	\$250,789	
2022	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	HSIP	\$2,600,775	\$2,340,698	\$260,078	
2022	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	NHPP	\$21,045,528	\$16,836,422	\$4,209,106	
2022	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	STBG	\$4,597,799	\$3,678,239	\$919,560	
2022	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	STBG-BR-OFF	\$1,671,927	\$1,337,542	\$334,385	
2022	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	TAP	\$417,982	\$334,385	\$83,596	
2022	TGP22	STATEWIDE	MULTIPLE	Transit Grant Program	Multi	CMAQ	\$1,975,000	\$1,580,000	\$395,000	
2022	FPIRT	STATEWIDE	MULTIPLE	Flex to Rail & Transit for Freight Plan Implementation	Multi	NFP	\$2,807,340	\$2,021,285	\$505,321	
2022	UPWP23	STATEWIDE	MULTIPLE	Metropolitan Planning	Multi	PL	\$11,087,375	\$8,869,900	\$2,217,475	
2022	SPR222	STATEWIDE	MULTIPLE	State Planning and Research Work Program II, (SPR II), Research	Multi	RD	\$4,500,000	\$3,600,000	\$900,000	
2022	SRT22	STATEWIDE	MULTIPLE	Recreational Trails	Multi	REC	\$1,483,411	\$1,186,729	\$296,682	
2022	RRC22	STATEWIDE	MULTIPLE	Railroad Crossings	Multi	RRHE	\$1,111,111	\$1,000,000	\$111,111	
2022	RRC22	STATEWIDE	MULTIPLE	Railroad Crossings	Multi	RRPD	\$1,111,111	\$1,000,000	\$111,111	
2022	UPWP23	STATEWIDE	MULTIPLE	Metropolitan Planning	Multi	SPR	\$1,423,720	\$1,138,976	\$284,744	
2022	SPR122	STATEWIDE	MULTIPLE	State Planning and Research Work Program I, (SPR I), Planning	Multi	SPR	\$13,033,371	\$10,426,697	\$2,606,674	
2022	SREDU22	STATEWIDE	MULTIPLE	SRTS Education	Multi	TAP	\$1,350,000	\$1,080,000	\$270,000	
PLANNING / ADJUSTMENTS / PASS-THROUGHSSUBTOTAL:							\$157,410,395	\$143,374,029	\$13,755,632	
SECTION 3 / PLANNING / ADJUSTMENTS / PASS-THROUGHSTOTAL:							\$157,410,395	\$143,374,029	\$13,755,632	

2022										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
SECTION 4 / NON FEDERALLY AIDED PROJECTS										
Non Federally Aided Projects										
2022	607977	BOSTON	MULTIPLE	HOPKINTON- WESTBOROUGH- RECONSTRUCTION OF I-90/I-495 INTERCHANGE	3	NFA	\$18,112,483	\$0	\$18,112,483	Construction; Total Federal Participating Cost (TFPC) = \$189,451,000; AC Yr 1 of 5
NON-FEDERALLY AIDED PROJECTS SUBTOTAL:							\$18,112,483	\$0	\$18,112,483	
SECTION 4 / NON-FEDERALLY AIDED PROJECTS TOTAL:							\$18,112,483	\$0	\$18,112,483	
TOTAL	YEAR 2022						\$913,190,822	\$738,222,450	\$174,687,639	

2023

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
SECTION 1A / REGIONALLY PRIORITIZED PROJECTS										
Regionally Prioritized Projects										
Intersection Improvements										
2023	603739	BOSTON	WRENTHAM	WRENTHAM - CONSTRUCTION OF A SLIP RAMP FROM ROUTE 1A NB TO I-495 SB AND ASSOCIATED INTERSECTION IMPROVEMENTS ALONG ROUTE 1A	5	HSIP	\$2,500,000	\$2,250,000	\$250,000	Construction; HSIP+STBG+TAP Total Cost = \$13,103,505; MPO Evaluation Score = 55
2023	603739	BOSTON	WRENTHAM	WRENTHAM - CONSTRUCTION OF A SLIP RAMP FROM ROUTE 1A NB TO I-495 SB AND ASSOCIATED INTERSECTION IMPROVEMENTS ALONG ROUTE 1A	5	STBG	\$10,103,505	\$8,082,804	\$2,020,701	Construction; HSIP+STBG+TAP Total Cost = \$13,103,505; MPO Evaluation Score = 55
2023	603739	BOSTON	WRENTHAM	WRENTHAM - CONSTRUCTION OF A SLIP RAMP FROM ROUTE 1A NB TO I-495 SB AND ASSOCIATED INTERSECTION IMPROVEMENTS ALONG ROUTE 1A	5	TAP	\$500,000	\$400,000	\$100,000	Construction; HSIP+STBG+TAP Total Cost = \$13,103,505; MPO Evaluation Score = 55; TAP Proponent = MassDOT
2023	607397	CAPE COD	WELLFLEET	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	5	CMAQ	\$1,146,285	\$917,028	\$229,257	Construction; Total project cost = \$6,780,312 with 12% inflation (STP + HSIP + CMAQ + TAP); MPO score = 82; Municipality is TAP proponent; RSA completed; CMAQ analysis to be completed
2023	607397	CAPE COD	WELLFLEET	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	5	HSIP	\$458,514	\$412,663	\$45,851	Construction; Total project cost = \$6,780,312 with 12% inflation (STP + HSIP + CMAQ + TAP); MPO score = 82; Municipality is TAP proponent; RSA completed; CMAQ analysis to be completed
2023	607397	CAPE COD	WELLFLEET	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	5	STBG	\$4,969,704	\$3,975,763	\$993,941	Construction; Total project cost = \$6,780,312 with 12% inflation (STP + HSIP + CMAQ + TAP); MPO score = 82; Municipality is TAP proponent; RSA completed; CMAQ analysis to be completed
2023	607397	CAPE COD	WELLFLEET	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	5	TAP	\$205,809	\$164,647	\$41,162	Construction; Total project cost = \$6,780,312 with 12% inflation (STP + HSIP + CMAQ + TAP); MPO score = 82; Municipality is TAP proponent; RSA completed; CMAQ analysis to be completed
2023	608778	CENTRAL MASSACHUSETTS	SOUTHBRIDGE	SOUTHBRIDGE - INTERSECTION IMPROVEMENTS AT CENTRAL STREET, FOSTER STREET, HOOK STREET AND HAMILTON STREET	3	CMAQ	\$2,000,000	\$1,600,000	\$400,000	a) Construction / b) CMAQ + HSIP + STBG Total Project Cost = \$5,040,000 / d) PM Score = 17 / Design Status = Pre-25%

2023										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2023	608778	CENTRAL MASSACHUSETTS	SOUTHBRIDGE	SOUTHBRIDGE - INTERSECTION IMPROVEMENTS AT CENTRAL STREET, FOSTER STREET, HOOK STREET AND HAMILTON STREET	3	HSIP	\$1,000,000	\$900,000	\$100,000	a) Construction / b) CMAQ + HSIP + STBG Total Project Cost = \$5,040,000 / d) PM Score = 17 / Design Status = Pre-25%
2023	608778	CENTRAL MASSACHUSETTS	SOUTHBRIDGE	SOUTHBRIDGE - INTERSECTION IMPROVEMENTS AT CENTRAL STREET, FOSTER STREET, HOOK STREET AND HAMILTON STREET	3	STBG	\$2,040,000	\$1,632,000	\$408,000	a) Construction / b) CMAQ + HSIP + STBG Total Project Cost = \$5,040,000 / d) PM Score = 17 / Design Status = Pre-25%
2023	608433	CENTRAL MASSACHUSETTS	WEBSTER	WEBSTER- INTERSECTION IMPROVEMENTS AT I-395 RAMPS (EXIT 2) AT ROUTE 16 (EAST MAIN STREET) AND SUTTON ROAD	3	CMAQ	\$1,741,343	\$1,393,074	\$348,269	a) Construction / b) CMAQ + STBG + SW HSIP Total Project Cost = \$5,820,449 w/ Central Mass MPO funding at \$3,320,449 / d) PM Score = 21 / Design Status = Pre-25%
2023	608433	CENTRAL MASSACHUSETTS	WEBSTER	WEBSTER- INTERSECTION IMPROVEMENTS AT I-395 RAMPS (EXIT 2) AT ROUTE 16 (EAST MAIN STREET) AND SUTTON ROAD	3	STBG	\$1,579,106	\$1,263,285	\$315,821	a) Construction / b) CMAQ + STBG + SW HSIP Total Project Cost = \$5,820,449 w/ Central Mass MPO funding at \$3,320,449 / d) PM Score = 21 / Design Status = Pre-25%
2023	609052	OLD COLONY	BROCKTON	BROCKTON - ROUTE 123 (CENTRE STREET) AT PLYMOUTH STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	5	CMAQ	\$1,680,000	\$1,344,000	\$336,000	a) Construction; b) Total Project Cost = \$1,680,000 w/ \$1,680,000 of CMAQ funding; d) MPO score 44.06
2023	606895	PIONEER VALLEY	GRANBY	GRANBY- IMPROVEMENTS @ 2 LOCATIONS ON ROUTE 202: SCHOOL STREET & FIVE CORNERS	2	HSIP	\$999,685	\$899,717	\$99,969	Construction / (YOE \$2,865,964) / 42 TEC / 25% STBG, HSIP
2023	606895	PIONEER VALLEY	GRANBY	GRANBY- IMPROVEMENTS @ 2 LOCATIONS ON ROUTE 202: SCHOOL STREET & FIVE CORNERS	2	STBG	\$1,866,279	\$1,493,023	\$373,256	Construction / (YOE \$2,865,964) / 42 TEC / 25% STBG, HSIP
2023	608163	PIONEER VALLEY	WALES	WALES- RECONSTRUCTION & IMPROVEMENTS ON MONSON ROAD, FROM THE MONSON T.L. TO REED HILL ROAD (1.5 MILES)	2	STBG	\$4,185,828	\$3,348,662	\$837,166	Construction / YOE \$4,158,828 / 39.5 TEC / 25% STBG
INTERSECTION IMPROVEMENTS SUBTOTAL:							\$36,976,058	\$30,076,666	\$6,899,393	
Non-Interstate Pavement										
2023	608891	MONTACHUSETT	GARDNER	GARDNER- RESURFACING AND RUMBLE STRIP INSTALLATION ON ROUTE 140	3	STBG	\$2,006,146	\$1,604,917	\$401,229	Construction; TEC Score 12; 2019-2023 TIP year 2022; 2020 Cost \$1,791,202 (YOE 12% - \$2,006,146); Book Job; no ROW, at 25%/75% Design;
2023	608535	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	NEW BEDFORD- CORRIDOR IMPROVEMENTS AND RELATED WORK ON COUNTY STREET FROM NELSON STREET TO UNION STREET	5	STBG	\$8,580,620	\$6,864,496	\$1,716,124	a) Construction; b) Total Cost = \$8,580,620 STBG; d) EC Score 54 of 100; i) Status Pre 25%
NON-INTERSTATE PAVEMENT SUBTOTAL:							\$10,586,766	\$8,469,413	\$2,117,353	
Planning / Adjustments / Pass-throughs										
2023	BN0009	BOSTON	MULTIPLE	COMMUNITY TRANSPORTATION PROGRAM	NA	CMAQ	\$2,000,000	\$1,600,000	\$400,000	Planning, Design, or Construction; Set Aside for LRTP Clean Air and Mobility Program

2023										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
PLANNING / ADJUSTMENTS / PASS-THROUGHSSUBTOTAL:							\$2,000,000	\$1,600,000	\$400,000	
Roadway Improvements										
2023	607586	MARTHA'S VINEYARD	EDGARTOWN	EDGARTOWN / OAK BLUFFS - DRAINAGE IMPROVEMENTS & RELATED WORK ON EDGARTOWN-VINEYARD HAVEN ROAD.	5	STBG	\$786,501	\$629,201	\$157,300	75% DESIGN
2023	607604	MONTACHUSETT	MULTIPLE	STERLING- WEST BOYLSTON- IMPROVEMENTS ON ROUTE 140 AT I-190	3	STBG	\$865,760	\$692,608	\$173,152	Construction; TEC Score 14; 2019-2023 TIP year 2021; 2020 Cost \$773,000 (YOE 12% - \$865,760); at pre-25%, preferred alternative has not yet been identified. Highway Design is the designer
2023	605178	NORTHERN MIDDLESEX	BILLERICA	BILLERICA- REHABILITATION ON BOSTON ROAD (ROUTE 3A) FROM BILLERICA TOWN CENTER TO FLOYD STREET	4	STBG	\$9,579,233	\$7,663,386	\$1,915,847	a) Construction; b) Total Project Cost at 2022 and 2023 YOE \$12,180,423 (\$10,910,825) STBG, TAP; c) ac yr 2 of 2; d) NMMPO TEC Score: 6.40 out of 18; h) TAP Proponent: Billerica.
2023	605178	NORTHERN MIDDLESEX	BILLERICA	BILLERICA- REHABILITATION ON BOSTON ROAD (ROUTE 3A) FROM BILLERICA TOWN CENTER TO FLOYD STREET	4	TAP	\$281,909	\$225,527	\$56,382	a) Construction; b) Total Project Cost at 2022 and 2023 YOE \$12,180,423 (\$10,910,825) STBG, TAP; c) ac yr 2 of 2; d) NMMPO TEC Score: 6.40 out of 18; h) TAP Proponent: Billerica.
ROADWAY IMPROVEMENTS SUBTOTAL:							\$11,513,403	\$9,210,722	\$2,302,681	
Roadway Reconstruction										
2023	608737	BERKSHIRE	DALTON	DALTON- RECONSTRUCTION OF DALTON DIVISION ROAD	1	STBG	\$2,376,866	\$1,901,493	\$475,373	AC 1 of 2; STBG; Total Cost = 11,074,560; MPO evaluation score 6 of 8; Design Status: <25%; YOE = 12%
2023	604003	BERKSHIRE	PITTSFIELD	PITTSFIELD- RECONSTRUCTION OF EAST STREET (ROUTE 9)	1	CMAQ	\$482,759	\$386,207	\$96,552	STBG + CMAQ; Total Cost = 6,654,197; MPO evaluation score 6 of 8; Design Status: 25%; YOE = 12%
2023	604003	BERKSHIRE	PITTSFIELD	PITTSFIELD- RECONSTRUCTION OF EAST STREET (ROUTE 9)	1	STBG	\$6,171,438	\$4,937,150	\$1,234,288	STBG + CMAQ; Total Cost = 6,654,197; MPO evaluation score 6 of 8; Design Status: 25%; YOE = 12%
2023	608348	BOSTON	BEVERLY	BEVERLY - RECONSTRUCTION OF BRIDGE STREET	4	CMAQ	\$3,000,000	\$2,400,000	\$600,000	Construction; CMAQ+STBG Total Cost = \$8,504,923; MPO Evaluation Score = 66
2023	608348	BOSTON	BEVERLY	BEVERLY - RECONSTRUCTION OF BRIDGE STREET	4	STBG	\$5,504,923	\$4,403,938	\$1,100,985	Construction; CMAQ+STBG Total Cost = \$8,504,923; MPO Evaluation Score = 66
2023	605743	BOSTON	IPSWICH	IPSWICH - RESURFACING & RELATED WORK ON CENTRAL & SOUTH MAIN STREETS	4	STBG	\$2,419,502	\$1,935,602	\$483,900	Construction; STBG+TAP Total Cost = \$2,939,052; MPO Evaluation Score = 47
2023	605743	BOSTON	IPSWICH	IPSWICH - RESURFACING & RELATED WORK ON CENTRAL & SOUTH MAIN STREETS	4	TAP	\$519,550	\$415,640	\$103,910	Construction; STBG+TAP Total Cost = \$2,939,052; MPO Evaluation Score = 47; TAP Proponent = Ipswich

2023

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2023	608933	BOSTON	PEABODY	PEABODY - REHABILITATION OF CENTRAL STREET	4	CMAQ	\$3,000,000	\$2,400,000	\$600,000	Construction; CMAQ+HSIP+STBG Total Cost = \$10,819,200; MPO Evaluation Score = 61
2023	608933	BOSTON	PEABODY	PEABODY - REHABILITATION OF CENTRAL STREET	4	HSIP	\$1,500,000	\$1,350,000	\$150,000	Construction; CMAQ+HSIP+STBG Total Cost = \$10,819,200; MPO Evaluation Score = 61
2023	608933	BOSTON	PEABODY	PEABODY - REHABILITATION OF CENTRAL STREET	4	STBG	\$6,319,200	\$5,055,360	\$1,263,840	Construction; CMAQ+HSIP+STBG Total Cost = \$10,819,200; MPO Evaluation Score = 61
2023	608051	BOSTON	WILMINGTON	WILMINGTON- RECONSTRUCTION OF ROUTE 38 (MAIN STREET), FROM ROUTE 62 TO THE WOBURN CITY LINE	4	CMAQ	\$6,000,000	\$4,800,000	\$1,200,000	Construction; CMAQ+HSIP+STBG Total Cost = \$12,098,594; MPO Evaluation Score = 59
2023	608051	BOSTON	WILMINGTON	WILMINGTON- RECONSTRUCTION OF ROUTE 38 (MAIN STREET), FROM ROUTE 62 TO THE WOBURN CITY LINE	4	HSIP	\$1,000,000	\$900,000	\$100,000	Construction; CMAQ+HSIP+STBG Total Cost = \$12,098,594; MPO Evaluation Score = 59
2023	608051	BOSTON	WILMINGTON	WILMINGTON- RECONSTRUCTION OF ROUTE 38 (MAIN STREET), FROM ROUTE 62 TO THE WOBURN CITY LINE	4	STBG	\$5,098,594	\$4,078,875	\$1,019,719	Construction; CMAQ+HSIP+STBG Total Cost = \$12,098,594; MPO Evaluation Score = 59
2023	608007	BOSTON	MULTIPLE	COHASSET/SCITUATE - CORRIDOR IMPROVEMENTS AND RELATED WORK ON JUSTICE CUSHING HIGHWAY (ROUTE 3A), FROM BEECHWOOD STREET TO HENRY TURNER BAILEY ROAD	5	HSIP	\$1,500,000	\$1,350,000	\$150,000	Construction; HSIP+STBG+TAP Total Cost = \$8,971,636; MPO Evaluation Score = 37
2023	608007	BOSTON	MULTIPLE	COHASSET/SCITUATE - CORRIDOR IMPROVEMENTS AND RELATED WORK ON JUSTICE CUSHING HIGHWAY (ROUTE 3A), FROM BEECHWOOD STREET TO HENRY TURNER BAILEY ROAD	5	STBG	\$7,331,404	\$5,865,123	\$1,466,281	Construction; HSIP+STBG+TAP Total Cost = \$8,971,636; MPO Evaluation Score = 37
2023	608007	BOSTON	MULTIPLE	COHASSET/SCITUATE - CORRIDOR IMPROVEMENTS AND RELATED WORK ON JUSTICE CUSHING HIGHWAY (ROUTE 3A), FROM BEECHWOOD STREET TO HENRY TURNER BAILEY ROAD	5	TAP	\$140,232	\$112,186	\$28,046	Construction; HSIP+STBG+TAP Total Cost = \$8,971,636; MPO Evaluation Score = 37; TAP Proponent = MassDOT
2023	606226	BOSTON	BOSTON	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	NHPP	\$13,000,000	\$10,400,000	\$2,600,000	Construction; NHPP+STBG+TAP Total Cost = \$152,000,000; AC Yr 2 of 5; Total funding in this TIP = \$111,685,278; MPO Evaluation Score = 59
2023	606226	BOSTON	BOSTON	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	STBG	\$20,268,422	\$16,214,738	\$4,053,684	Construction; NHPP+STBG+TAP Total Cost = \$152,000,000; AC Yr 2 of 5; Total funding in this TIP = \$111,685,278; MPO Evaluation Score = 59
2023	606226	BOSTON	BOSTON	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	TAP	\$1,000,000	\$800,000	\$200,000	Construction; NHPP+STBG+TAP Total Cost = \$152,000,000; AC Yr 2 of 5; Total funding in this TIP = \$111,685,278; MPO Evaluation Score = 59; TAP Proponent = Boston

2023										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2023	607899	BOSTON	DEDHAM	DEDHAM - PEDESTRIAN IMPROVEMENTS ALONG BUSSEY STREET, INCLUDING SUPERSTRUCTURE REPLACEMENT, D-05-010, BUSSEY STREET OVER MOTHER BROOK	6	STBG	\$3,841,584	\$3,073,267	\$768,317	Construction; STBG+TAP Total Cost = \$4,368,780; MPO Evaluation Score = 35
2023	607899	BOSTON	DEDHAM	DEDHAM - PEDESTRIAN IMPROVEMENTS ALONG BUSSEY STREET, INCLUDING SUPERSTRUCTURE REPLACEMENT, D-05-010, BUSSEY STREET OVER MOTHER BROOK	6	TAP	\$527,196	\$421,757	\$105,439	Construction; STBG+TAP Total Cost = \$4,368,780; MPO Evaluation Score = 35; TAP Proponent = Dedham
2023	608707	BOSTON	QUINCY	QUINCY - RECONSTRUCTION OF SEA STREET	6	STBG	\$6,066,683	\$4,853,346	\$1,213,337	Construction; STBG+TAP Total Cost = \$6,292,937; MPO Evaluation Score = 40
2023	608707	BOSTON	QUINCY	QUINCY - RECONSTRUCTION OF SEA STREET	6	TAP	\$226,254	\$181,003	\$45,251	Construction; STBG+TAP Total Cost = \$6,292,937; MPO Evaluation Score = 40; TAP Project Proponent = Quincy
2023	607244	BOSTON	WINTHROP	WINTHROP - RECONSTRUCTION & RELATED WORK ALONG WINTHROP STREET & REVERE STREET CORRIDOR	6	CMAQ	\$2,000,000	\$1,600,000	\$400,000	Construction; CMAQ+STBG+TAP Total Cost = \$5,644,800; MPO Evaluation Score = 47
2023	607244	BOSTON	WINTHROP	WINTHROP - RECONSTRUCTION & RELATED WORK ALONG WINTHROP STREET & REVERE STREET CORRIDOR	6	STBG	\$3,084,800	\$2,467,840	\$616,960	Construction; CMAQ+STBG+TAP Total Cost = \$5,644,800; MPO Evaluation Score = 47
2023	607244	BOSTON	WINTHROP	WINTHROP - RECONSTRUCTION & RELATED WORK ALONG WINTHROP STREET & REVERE STREET CORRIDOR	6	TAP	\$560,000	\$448,000	\$112,000	Construction; CMAQ+STBG+TAP Total Cost = \$5,644,800; MPO Evaluation Score = 54; TAP Proponent = Winthrop
2023	607405	CAPE COD	CHATHAM	CHATHAM- INTERSECTION IMPROVEMENTS & RELATED WORK AT MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD	5	STBG	\$3,048,976	\$2,439,181	\$609,795	Construction; Total project cost = \$3,048,976 with 12% inflation applied; MPO score = 76; CMAQ analysis to be completed
2023	606517	CENTRAL MASSACHUSETTS	WEST BROOKFIELD	WEST BROOKFIELD - RESURFACING & RELATED WORK ON ROUTE 9, FROM WARE T.L. TO 850' WEST OF WELCOME ROAD (1.1 MILES - PHASE I)	2	STBG	\$6,674,490	\$5,339,592	\$1,334,898	a) Construction / b) STBG Total Project Cost = \$6,674,490 / d) PM Score = 12 / Design Status = 25%
2023	608873	CENTRAL MASSACHUSETTS	SPENCER	SPENCER - ROADWAY REHABILITATION OF MEADOW ROAD	3	CMAQ	\$1,000,000	\$800,000	\$200,000	a) Construction / b) STBG + CMAQ Total Project Cost = \$6,762,000 / d) PM Score = 23 / i) Design Status = Pre-25%
2023	608873	CENTRAL MASSACHUSETTS	SPENCER	SPENCER - ROADWAY REHABILITATION OF MEADOW ROAD	3	STBG	\$5,762,000	\$4,609,600	\$1,152,400	a) Construction / b) STBG + CMAQ Total Project Cost = \$6,762,000 / d) PM Score = 23 / i) Design Status = Pre-25%
2023	603371	FRANKLIN	ORANGE	ORANGE- RECONSTRUCTION OF NORTH MAIN STREET, FROM SCHOOL STREET TO LINCOLN AVENUE (0.4 MILES) INCL RELOCATION OF FALL HILL BROOK CULVERT	2	STBG	\$5,515,026	\$4,412,021	\$1,103,005	Construction; total project cost of \$4,924,130 inflated 4% per year to \$5,515,026; TEC score 10.3
2023	608788	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- ROADWAY RECONSTRUCTION ON NORTH AVENUE, FROM MAIN STREET (ROUTE 125) TO PLAISTOW NH	4	STBG	\$4,147,823	\$3,318,258	\$829,565	a) Construction; b) \$13,678,560 (Inflated 12% from 2020 cost) = \$4,147,823 STBG 2023 + \$9,530,737 STBG 2024; c) AC Year 1 of 2 = \$4,147,823; d) TEC = 8.00 out of 18

2023

YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2023	602202	MERRIMACK VALLEY	SALISBURY	SALISBURY- RECONSTRUCTION OF ROUTE 1 (LAFAYETTE ROAD)	4	STBG	\$7,090,517	\$5,672,414	\$1,418,103	a) Construction; b) \$7,090,517 (Inflated 12% from 2020 cost) d) TEC = 8.60 out of 18
2023	608784	MONTACHUSETT	TEMPLETON	TEMPLETON- ROUNDABOUT CONSTRUCTION AT THE INTERSECTION OF PATRIOTS ROAD, SOUTH MAIN STREET, NORTH MAIN STREET AND GARDNER ROAD	2	STBG	\$2,495,018	\$1,996,014	\$499,004	Construction; TEC Score 22; 2019-2023 TIP Year 2021; 2020 Cost \$2,227,694 (YOE 12% - \$2,495,018); 25% due 2/2020;
2023	608793	MONTACHUSETT	HUBBARDSTON	HUBBARDSTON- HIGHWAY RECONSTRUCTION OF ROUTE 68 (MAIN STREET), FROM 1,000 FT NORTH OF WILLIAMSVILLE ROAD TO ELM STREET	3	STBG	\$5,453,322	\$4,362,658	\$1,090,664	Construction; TEC Score 25; 2019-2023 TIP Appendix; 2020 Cost \$4,869,038 (YOE 12% - \$5,453,322); PRC Apprvd 3/23/2017; 25% Received 1/9/18; some ROW
2023	600380	OLD COLONY	PEMBROKE	PEMBROKE - REHABILITATION OF ROUTE 36 (CENTER STREET) FROM ROUTE 27 TO ROUTE 14	5	CMAQ	\$1,139,886	\$911,909	\$227,977	a) Construction; b) Total Project Cost = \$8,902,501 w/ \$7,417,807 of STBG funding, \$1,139,886 of CMAQ funding, \$344,808 of TAP funding; d) MPO score 34.11
2023	600380	OLD COLONY	PEMBROKE	PEMBROKE - REHABILITATION OF ROUTE 36 (CENTER STREET) FROM ROUTE 27 TO ROUTE 14	5	STBG	\$7,417,807	\$5,934,246	\$1,483,561	a) Construction; b) Total Project Cost = \$8,902,501 w/ \$7,417,807 of STBG funding, \$1,139,886 of CMAQ funding, \$344,808 of TAP funding; d) MPO score 34.11
2023	600380	OLD COLONY	PEMBROKE	PEMBROKE - REHABILITATION OF ROUTE 36 (CENTER STREET) FROM ROUTE 27 TO ROUTE 14	5	TAP	\$344,808	\$275,846	\$68,962	a) Construction; b) Total Project Cost = \$8,902,501 w/ \$7,417,807 of STBG funding, \$1,139,886 of CMAQ funding, \$344,808 of TAP funding; d) MPO score 34.11
2023	608374	PIONEER VALLEY	WEST SPRINGFIELD	WEST SPRINGFIELD- RECONSTRUCTION OF MEMORIAL AVENUE (ROUTE 147), FROM COLONY ROAD TO THE MEMORIAL AVENUE ROTARY (1.4 MILES)	2	CMAQ	\$3,239,667	\$2,591,734	\$647,933	Construction / (YOE \$24,348,731) AC Year 2 of 2 FFY 2022 \$4,251,369 FFY2023 \$20,097,362 / 70 TEC / 25% / STBG, CMAQ, TAP
2023	608374	PIONEER VALLEY	WEST SPRINGFIELD	WEST SPRINGFIELD- RECONSTRUCTION OF MEMORIAL AVENUE (ROUTE 147), FROM COLONY ROAD TO THE MEMORIAL AVENUE ROTARY (1.4 MILES)	2	HSIP	\$1,619,833	\$1,457,850	\$161,983	Construction / (YOE \$24,348,731) AC Year 2 of 2 FFY 2022 \$4,251,369 FFY2023 \$20,097,362 / 70 TEC / 25% / STBG, CMAQ, TAP
2023	608374	PIONEER VALLEY	WEST SPRINGFIELD	WEST SPRINGFIELD- RECONSTRUCTION OF MEMORIAL AVENUE (ROUTE 147), FROM COLONY ROAD TO THE MEMORIAL AVENUE ROTARY (1.4 MILES)	2	STBG	\$14,427,945	\$11,542,356	\$2,885,589	Construction / (YOE \$24,348,731) AC Year 2 of 2 FFY 2022 \$4,251,369 FFY2023 \$20,097,362 / 70 TEC / 25% / STBG, CMAQ, TAP
2023	608374	PIONEER VALLEY	WEST SPRINGFIELD	WEST SPRINGFIELD- RECONSTRUCTION OF MEMORIAL AVENUE (ROUTE 147), FROM COLONY ROAD TO THE MEMORIAL AVENUE ROTARY (1.4 MILES)	2	TAP	\$809,917	\$647,934	\$161,983	Construction / (YOE \$24,348,731) AC Year 2 of 2 FFY 2022 \$4,251,369 FFY2023 \$20,097,362 / 70 TEC / 25% / STBG, CMAQ, TAP

2023										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2023	607871	SOUTHEASTERN MASSACHUSETTS	DARTMOUTH	DARTMOUTH- REALIGNMENT OF TUCKER ROAD TO ROUTE 6 AND HATHAWAY ROAD, INCLUDING INTERSECTION SIGNALIZATION	5	CMAQ	\$1,500,000	\$1,200,000	\$300,000	a) Construction; b) Total Cost = \$5,729,553 STBG (\$4,229,553) / CMAQ (\$1,500,000); d) EC Score 53 of 100; i) Status Pre 25% Anticipating CMAQ Eligibility
2023	607871	SOUTHEASTERN MASSACHUSETTS	DARTMOUTH	DARTMOUTH- REALIGNMENT OF TUCKER ROAD TO ROUTE 6 AND HATHAWAY ROAD, INCLUDING INTERSECTION SIGNALIZATION	5	STBG	\$4,229,553	\$3,383,642	\$845,911	a) Construction; b) Total Cost = \$5,729,553 STBG (\$4,229,553) / CMAQ (\$1,500,000); d) EC Score 53 of 100; i) Status Pre 25% Anticipating CMAQ Eligibility
2023	607440	SOUTHEASTERN MASSACHUSETTS	MATTAPOISETT	MATTAPOISETT- CORRIDOR IMPROVEMENTS AND RELATED WORK ON MAIN STREET, WATER STREET, BEACON STREET AND MARION ROAD	5	STBG	\$7,760,800	\$6,208,640	\$1,552,160	a) Construction; b) Total Cost = \$7,760,800 STBG; d) EC Score 31 of 100; Status Pre 25%
ROADWAY RECONSTRUCTION SUBTOTAL:							\$186,616,795	\$149,855,420	\$36,761,375	
REGIONALLY PRIORITIZED PROJECTS SUBTOTAL:							\$247,693,022	\$199,212,221	\$48,480,802	
SECTION 1A / REGIONALLY PRIORITIZED PROJECTS TOTAL:							\$247,693,022	\$199,212,221	\$48,480,802	
SECTION 1B / EARMARK OR DISCRETIONARY GRANT FUNDED PROJECTS										
Other Federal Aid										
2023	606476	BOSTON	BOSTON	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	6	OTHER FA	\$11,607,808	\$9,286,246	\$2,321,562	Construction; NHPP+HSIP+Other Federal Aid Total Cost = \$126,544,931; Total MPO Contribution = \$22,115,687; AC Yr 3 of 3; Other Federal Aid = NHPP-E
OTHER FEDERAL AID SUBTOTAL:							\$11,607,808	\$9,286,246	\$2,321,562	
SECTION 1B / EARMARK OR DISCRETIONARY GRANT FUNDED PROJECTS TOTAL:							\$11,607,808	\$9,286,246	\$2,321,562	
SECTION 2A / STATE PRIORITIZED RELIABILITY PROJECTS										
Bridge Program / Off System										
2023	609070	BERKSHIRE	ALFORD	ALFORD- BRIDGE REPLACEMENT, A-06-004, WEST ROAD OVER SCRIBNER BROOK	1	STBG-BR-OFF	\$1,809,024	\$1,447,219	\$361,805	
2023	608857	BERKSHIRE	CHESHIRE	CHESHIRE- BRIDGE REPLACEMENT, C-10-002, SAND MILL ROAD OVER DRY BROOK	1	STBG-BR-OFF	\$2,462,448	\$1,969,958	\$492,490	
2023	609074	BERKSHIRE	MONTEREY	MONTEREY- BRIDGE REPLACEMENT, M-29-001, CURTIS ROAD OVER KONKAPOT RIVER	1	STBG-BR-OFF	\$1,212,288	\$969,830	\$242,458	
2023	609078	BERKSHIRE	NEW MARLBOROUGH	NEW MARLBOROUGH- BRIDGE REPLACEMENT, N-08-020, KEYES HILL ROAD OVER UMPACHENE RIVER	1	STBG-BR-OFF	\$2,802,900	\$2,242,320	\$560,580	
2023	609072	BERKSHIRE	WILLIAMSTOWN	WILLIAMSTOWN- BRIDGE REPLACEMENT, W-37-010, MAIN STREET OVER HEMLOCK BROOK	1	STBG-BR-OFF	\$2,612,784	\$2,090,227	\$522,557	

2023										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2023	609185	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER-BRIDGE RECONSTRUCTION AND RELATED WORK: BRIDGE NO. W-44-083 CARRYING HARRISON STREET OVER I 290 AND BRIDGE NO. W-44-093 CARRYING LAUREL STREET OVER I 290.	3	STP-BR-OFF	\$14,824,300	\$11,859,440	\$2,964,860	a) Construction
2023	608634	FRANKLIN	DEERFIELD	DEERFIELD- BRIDGE PRESERVATION D-06-001, UPPER ROAD OVER DEERFIELD RIVER	2	STP-BR-OFF	\$7,599,392	\$6,079,514	\$1,519,878	Construction. Total project cost \$7,599,392
2023	609187	MONTACHUSETT	HUBBARDSTON	HUBBARDSTON-BRIDGE REPLACEMENT, H-24-003, WILLIAMSVILE ROAD OVER BURNCHIRT RIVER	3	STP-BR-OFF	\$1,684,320	\$1,347,456	\$336,864	
2023	609120	PIONEER VALLEY	LUDLOW	LUDLOW- BRIDGE REPLACEMENT, L-16-026, PINEY LANE OVER BROAD BROOK	2	STP-BR-OFF	\$577,920	\$462,336	\$115,584	
BRIDGE PROGRAM / OFF-SYSTEM SUBTOTAL:							\$35,585,376	\$28,468,300	\$7,117,076	
Bridge Program / On System (NHS)										
2023	605843	BERKSHIRE	NORTH ADAMS	NORTH ADAMS- BRIDGE REPLACEMENT, N-14-016, ROUTE 2 OVER THE HOOSIC RIVER	1	NHPP-ON	\$18,315,704	\$14,652,563	\$3,663,141	
2023	604952	BOSTON	MULTIPLE	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	4	NHPP-ON	\$18,409,727	\$14,727,781	\$3,681,945	AC Year 5 of 5, Total Cost \$84,253,135
2023	606902	BOSTON	BOSTON	BOSTON- BRIDGE RECONSTRUCTION/REHAB, B-16-181, WEST ROXBURY PARKWAY OVER MBTA	6	NHPP-ON	\$6,900,000	\$5,520,000	\$1,380,000	
2023	606728	BOSTON	BOSTON	BOSTON- BRIDGE REPLACEMENT B-16-365, BOWKER OVERPASS OVER STORROW DRIVE (EB)	6	NHPP-ON	\$24,009,700	\$19,207,760	\$4,801,940	
2023	605306	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- BRIDGE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER	4	NHPP-ON	\$12,994,233	\$10,395,386	\$2,598,847	AC Year 6 of 6, Total Cost \$118,786,388
2023	TBD	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- BRIDGE REPLACEMENT, H-12-040, I-495 (NB & SB) OVER MERRIMACK RIVER	4	NHPP-ON	\$25,198,768	\$20,159,014	\$5,039,754	AC Year 1 of 3, Total Cost \$96,000,000.
2023	606552	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- BRIDGE RECONSTRUCTION, N-19-059, I-91 OVER US 5/BMRR & N-19-060, I-91 OVER HOCKANUM ROAD	2	NHPP-ON	\$11,378,353	\$9,102,682	\$2,275,671	AC Year 4 of 5, Total Cost \$56,891,767
2023	608853	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- BRIDGE REPLACEMENT, S-24-026, ARMORY STREET OVER CSX	2	NHPP-ON	\$3,948,640	\$3,158,912	\$789,728	
2023	608848	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- BRIDGE REPLACEMENT, S-24-016, ARMORY STREET OVER CSX MAINLINE	2	NHPP-ON	\$5,723,440	\$4,578,752	\$1,144,688	
2023	606527	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	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	5	NHPP-ON	\$14,835,406	\$11,868,325	\$2,967,081	AC Year 1 of 5, Total Cost \$117,077,491
BRIDGE PROGRAM / ON-SYSTEM (NHS) SUBTOTAL:							\$141,713,971	\$113,371,175	\$28,342,795	

2023										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
Bridge Program / On System (Non NHS)										
2023	608197	BOSTON	BOSTON	BOSTON- SUPERSTRUCTURE REPLACEMENT, B-16-107, CANTERBURY STREET OVER AMTRAK/MBTA	6	NHPP-OFF	\$4,678,280	\$3,742,624	\$935,656	
2023	609179	CENTRAL MASSACHUSETTS	SPENCER	SPENCER-BRIDGE REPLACEMENT, S-23-12, NORTH SPENCER ROAD (ROUTE 31) OVER THE SEVEN MILE RIVER	3	NHPP-OFF	\$2,300,000	\$1,840,000	\$460,000	a) Construction
2023	609082	FRANKLIN	CONWAY	CONWAY- BRIDGE REPLACEMENT, C-20-004, NORTH POLAND ROAD OVER POLAND BROOK	1	NHPP-OFF	\$3,997,056	\$3,197,645	\$799,411	Construction. Total project cost \$3,997,056
BRIDGE PROGRAM / ON-SYSTEM (NON-NHS)SUBTOTAL:							\$10,975,336	\$8,780,269	\$2,195,067	
Bridge Program / Systematic Maintenance										
2023	608609	BOSTON	MULTIPLE	NEWTON- WESTWOOD- STEEL SUPERSTRUCTURE CLEANING (FULL REMOVAL) AND PAINTING OF 2 BRIDGES: N-12-056 & W-31-006	6	NHPP-OFF	\$2,142,857	\$1,714,285	\$428,571	
2023	608649	FRANKLIN	COLRAIN	COLRAIN- BRIDGE DECK PRESERVATION, C-18-010 & C-18-012, ROUTE 112 OVER THE NORTH RIVER	1	NHPP-OFF	\$522,200	\$417,760	\$104,440	Construction. Total project cost \$522,200
2023	609023	STATEWIDE	MULTIPLE	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2023)	2	NHPP-OFF	\$1,540,200	\$1,232,160	\$308,040	
2023	609040	STATEWIDE	MULTIPLE	DISTRICT 3- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	3	NHPP-OFF	\$1,285,080	\$1,028,064	\$257,016	
2023	TBD	STATEWIDE	MULTIPLE	DISTRICT 4- SYSTEMATIC BRIDGE PRESERVATION	4	NHPP-OFF	\$1,983,700	\$1,586,960	\$396,740	
2023	609037	STATEWIDE	MULTIPLE	DISTRICT 5- SYSTEMATIC BRIDGE PRESERVATION ALONG THE I-195 CORRIDOR	5	NHPP-ON	\$1,413,595	\$1,130,876	\$282,719	
BRIDGE PROGRAM / SYSTEMATIC MAINTENANCESUBTOTAL:							\$8,887,632	\$7,110,105	\$1,777,526	
Interstate Pavement										
2023	609099	STATEWIDE	MULTIPLE	MILFORD-HOPKINTON-WESTBOROUGH-SOUTHBOROUGH - PAVEMENT PRESERVATION AND RELATED WORK ON I-495	3	NHPP	\$27,579,149	\$24,821,234	\$2,757,915	
INTERSTATE PAVEMENT SUBTOTAL:							\$27,579,149	\$24,821,234	\$2,757,915	
Non Interstate Pavement										
2023	609105	BERKSHIRE	WINDSOR	WINDSOR - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 9	1	NHPP	\$9,420,365	\$7,536,292	\$1,884,073	
2023	608498	BOSTON	MULTIPLE	HINGHAM-WEYMOUTH-BRAINTREE - RESURFACING AND RELATED WORK ON ROUTE 53	6	NHPP	\$8,458,240	\$6,766,592	\$1,691,648	
2023	608484	BOSTON	MULTIPLE	CANTON-MILTON - RESURFACING AND RELATED WORK ON ROUTE 138	6	NHPP	\$18,639,846	\$14,911,877	\$3,727,969	
2023	608264	CAPE COD	YARMOUTH	YARMOUTH - RESURFACING AND RELATED WORK ON ROUTE 28	5	NHPP	\$7,644,000	\$6,115,200	\$1,528,800	

2023										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2023	609107	MONTACHUSETT	MULTIPLE	PHILLIPSTON - TEMPLETON - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 2	2	NHPP	\$9,190,406	\$7,352,325	\$1,838,081	
2023	608479	SOUTHEASTERN MASSACHUSETTS	MULTIPLE	ATTLEBORO-NORTH ATTLEBOROUGH-RESURFACING AND RELATED WORK ON US ROUTE 1	5	NHPP	\$17,008,992	\$13,607,194	\$3,401,798	
NON-INTERSTATE PAVEMENT SUBTOTAL:							\$70,361,849	\$56,289,480	\$14,072,369	
Safety Improvements										
2023	609053	BOSTON	MULTIPLE	CANTON- DEDHAM- NORWOOD- HIGHWAY LIGHTING IMPROVEMENTS AT I-93 & I-95/128	6	NHPP	\$5,432,056	\$4,345,645	\$1,086,411	
2023	608433	CENTRAL MASSACHUSETTS	WEBSTER	WEBSTER- INTERSECTION IMPROVEMENTS AT I-395 RAMPS (EXIT 2) AT ROUTE 16 (EAST MAIN STREET) AND SUTTON ROAD	3	HSIP	\$2,500,000	\$2,250,000	\$250,000	a) Construction / b) CMAQ + STBG + SW HSIP Total Project Cost = \$5,820,449 w/ Central Mass MPO funding at \$3,320,449 / d) PM Score = 21 / Design Status = Pre-25%
2023	609063	SOUTHEASTERN MASSACHUSETTS	MULTIPLE	ATTLEBORO- NORTH ATTLEBOROUGH-GUIDE AND TRAFFIC SIGN REPLACEMENT ON INTERSTATE 295	5	HSIP	\$392,407	\$353,166	\$39,241	
2023	608934	SOUTHEASTERN MASSACHUSETTS	PLAINVILLE	PLAINVILLE- INTERSECTION IMPROVEMENTS AT WASHINGTON STREET (ROUTE 1) AND GEORGE STREET	5	HSIP	\$3,360,000	\$3,024,000	\$336,000	
2023	609062	STATEWIDE	MULTIPLE	WORCESTER- LEOMINSTER- GUIDE AND TRAFFIC SIGN REPLACEMENT ON INTERSTATE 190	3	HSIP	\$3,507,549	\$3,156,794	\$350,755	
2023	609064	STATEWIDE	MULTIPLE	WAREHAM TO BOURNE- GUIDE AND TRAFFIC SIGN REPLACEMENT ON ROUTE 25	5	HSIP	\$431,895	\$388,705	\$43,189	
SAFETY IMPROVEMENTS SUBTOTAL:							\$15,623,907	\$13,518,310	\$2,105,596	
SECTION 2A / STATE PRIORITIZED RELIABILITY PROJECTS TOTAL:							\$310,727,220	\$252,358,873	\$58,368,344	
SECTION 2B / STATE PRIORITIZED MODERNIZATION PROJECTS										
ADA Retrofits										
2023	609177	STATEWIDE	MULTIPLE	DISTRICT 4- ADA RETROFITS AT VARIOUS LOCATIONS	4	STBG	\$997,500	\$798,000	\$199,500	
2023	609178	STATEWIDE	MULTIPLE	DISTRICT 6 - ADA RETROFITS AT VARIOUS LOCATIONS	6	STBG	\$752,410	\$601,928	\$150,482	
ADA RETROFITS SUBTOTAL:							\$1,749,910	\$1,399,928	\$349,982	
Intelligent Transportation Systems										
2023	609086	STATEWIDE	MULTIPLE	STATEWIDE INTELLIGENT TRANSPORTATION SYSTEMS, YEAR 2023, FOR CIP POLICY DEVELOPMENT PURPOSES ONLY	Multi	NHPP	\$10,000,000	\$8,000,000	\$2,000,000	
INTELLIGENT TRANSPORTATION SYSTEMS SUBTOTAL:							\$10,000,000	\$8,000,000	\$2,000,000	

2023										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
Intersection Improvements										
2023	608754	BERKSHIRE	DALTON	DALTON- INTERSECTION IMPROVEMENTS AT ROUTES 8 & 9 (MAIN ST) AT SOUTH ST & WEST HOUSATONIC ST	1	HSIP	\$1,568,000	\$1,411,200	\$156,800	
2023	608566	BOSTON	MARLBOROUGH	MARLBOROUGH- IMPROVEMENTS AT ROUTE 20 (EAST MAIN STREET) AT CURTIS AVENUE	3	HSIP	\$2,688,000	\$2,419,200	\$268,800	
2023	608052	BOSTON	NORWOOD	NORWOOD- INTERSECTION & SIGNAL IMPROVEMENTS AT US 1 (PROVIDENCE HIGHWAY) & MORSE STREET	5	HSIP	\$1,668,001	\$1,501,201	\$166,800	
2023	608564	BOSTON	WATERTOWN	WATERTOWN- INTERSECTION IMPROVEMENTS AT ROUTE 16 AND GALEN STREET	6	HSIP	\$2,688,000	\$2,419,200	\$268,800	
2023	608774	NORTHERN MIDDLESEX	MULTIPLE	LOWELL-TEWKSBURY- ROUTE 38 INTERSECTION IMPROVEMENTS	4	HSIP	\$3,360,000	\$3,024,000	\$336,000	Construction; Total Cost: \$3,000,000; HSIP; NMMPO TEC Score: 6.27 out of 18.
2023	606156	PIONEER VALLEY	HOLYOKE	HOLYOKE- RECONSTRUCTION OF I-91 INTERCHANGE 17 & ROUTE 141	2	HSIP	\$6,735,389	\$6,061,850	\$673,539	
INTERSECTION IMPROVEMENTS SUBTOTAL:							\$18,707,390	\$16,836,651	\$1,870,739	
Roadway Reconstruction										
2023	607977	BOSTON	MULTIPLE	HOPKINTON- WESTBOROUGH- RECONSTRUCTION OF I-90/I-495 INTERCHANGE	3	NFP	\$30,000,000	\$24,000,000	\$6,000,000	a) Construction; Total Federal Participating Cost (TFPC) = \$189,451,000; AC Yr 2 of 5
2023	606476	BOSTON	BOSTON	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	6	NHPP	\$12,234,709	\$9,787,767	\$2,446,942	Construction; NHPP+HSIP+Other Federal Aid Total Cost = \$126,544,931; Total MPO Contribution = \$22,115,687; AC Yr 3 of 3
2023	608049	SOUTHEASTERN MASSACHUSETTS	FALL RIVER	FALL RIVER- CORRIDOR IMPROVEMENTS ON ROUTE 79/DAVOL STREET	5	NHPP	\$37,424,000	\$29,939,200	\$7,484,800	a) Construction; Total Federal Participating Cost (TFPC) = \$87,793,200; AC Yr 2 of 3
2023	TBD	STATEWIDE	MULTIPLE	SAFE ROUTES TO SCHOOL	Multi	TAP	\$5,000,000	\$4,000,000	\$1,000,000	a) Construction; Safe Routes to School projects based on new selection process to be identified in 2022-2024
ROADWAY RECONSTRUCTION SUBTOTAL:							\$84,658,709	\$67,726,967	\$16,931,742	
SECTION 2B / STATE PRIORITIZED MODERNIZATION PROJECTS TOTAL:							\$115,116,009	\$93,963,546	\$21,152,463	
SECTION 2C / STATE PRIORITIZED EXPANSION PROJECTS										
Bicycles and Pedestrians										
2023	608943	BOSTON	BOSTON	BOSTON- NEPONSET RIVER GREENWAY (PHASE 3)	6	CMAQ	\$6,067,404	\$4,853,923	\$1,213,481	
2023	608930	MERRIMACK VALLEY	LAWRENCE	LAWRENCE- LAWRENCE MANCHESTER RAIL CORRIDOR (LMRC) RAIL TRAIL	4	CMAQ	\$15,950,704	\$12,760,563	\$3,190,141	

2023										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2023	607542	MERRIMACK VALLEY	MULTIPLE	GEORGETOWN- NEWBURY- BORDER TO BOSTON TRAIL (NORTHERN GEORGETOWN TO BYFIELD SECTION)	4	CMAQ	\$4,341,120	\$3,472,896	\$868,224	
2023	607823	PIONEER VALLEY	SOUTHAMPTON	SOUTHAMPTON- GREENWAY RAIL TRAIL CONSTRUCTION, FROM COLEMAN ROAD TO ROUTE 10 (3.5 MILES)	2	CMAQ	\$6,810,409	\$5,448,327	\$1,362,082	
2023	607979	SOUTHEASTERN MASSACHUSETTS	MARION	MARION- SHARED USE PATH CONSTRUCTION (PHASE 1), FROM THE MARION-MATTAPOISETT T.L. TO POINT ROAD	5	CMAQ	\$2,943,164	\$2,354,531	\$588,633	
BICYCLES AND PEDESTRIANS SUBTOTAL:							\$36,112,801	\$28,890,240	\$7,222,561	
SECTION 2C / STATE PRIORITIZED EXPANSION PROJECTS TOTAL:							\$36,112,801	\$28,890,240	\$7,222,561	

SECTION 3 / PLANNING / ADJUSTMENTS / PASS-THROUGHS

Planning / Adjustments / Pass throughs										
2023	ABPGAN	STATEWIDE	MULTIPLE	ABP GANS Repayment	Multi	NHPP	\$93,985,000	\$93,985,000	\$0	
2023	ABPGAN	STATEWIDE	MULTIPLE	ABP GANS Repayment	Multi	STBG-BR-OFF	\$350,000	\$350,000	\$0	
2023	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	CMAQ	\$608,208	\$486,567	\$121,642	
2023	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	HSIP	\$1,261,469	\$1,135,322	\$126,147	
2023	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	NHPP	\$10,207,832	\$8,166,266	\$2,041,566	
2023	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	STBG	\$2,230,097	\$1,784,077	\$446,019	
2023	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	STBG-BR-OFF	\$810,944	\$648,755	\$162,189	
2023	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	TAP	\$202,736	\$162,189	\$40,547	
2023	TGP23	STATEWIDE	MULTIPLE	Transit Grant Program	Multi	CMAQ	\$1,975,000	\$1,580,000	\$395,000	
2023	FPIRT	STATEWIDE	MULTIPLE	Flex to Rail & Transit for Freight Plan Implementation	Multi	NFP	\$2,807,340	\$2,021,285	\$505,321	
2023	UPWP24	STATEWIDE	MULTIPLE	Metropolitan Planning	Multi	PL	\$11,087,375	\$8,869,900	\$2,217,475	
2023	SPR223	STATEWIDE	MULTIPLE	State Planning and Research Work Program II, (SPR II), Research	Multi	RD	\$4,500,000	\$3,600,000	\$900,000	
2023	SRT23	STATEWIDE	MULTIPLE	Recreational Trails	Multi	REC	\$1,483,411	\$1,186,729	\$296,682	

2023										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2023	RRC23	STATEWIDE	MULTIPLE	Railroad Crossings	Multi	RRHE	\$1,111,111	\$1,000,000	\$111,111	
2023	RRC23	STATEWIDE	MULTIPLE	Railroad Crossings	Multi	RRPD	\$1,111,111	\$1,000,000	\$111,111	
2023	UPWP2 4	STATEWIDE	MULTIPLE	Metropolitan Planning	Multi	SPR	\$1,423,720	\$1,138,976	\$284,744	
2023	SPR123	STATEWIDE	MULTIPLE	State Planning and Research Work Program I, (SPR I), Planning	Multi	SPR	\$13,033,371	\$10,426,697	\$2,606,674	
2023	SREDU2 3	STATEWIDE	MULTIPLE	SRTS Education	Multi	TAP	\$1,350,000	\$1,080,000	\$270,000	
PLANNING / ADJUSTMENTS / PASS-THROUGHSSUBTOTAL:							\$149,538,725	\$138,621,763	\$10,636,228	
SECTION 3 / PLANNING / ADJUSTMENTS / PASS-THROUGHSTOTAL:							\$149,538,725	\$138,621,763	\$10,636,228	
SECTION 4 / NON FEDERALLY AIDED PROJECTS										
Non Federally Aided Projects										
2023	607977	BOSTON	MULTIPLE	HOPKINTON- WESTBOROUGH- RECONSTRUCTION OF I-90/I-495 INTERCHANGE	3	NFA	\$18,112,483	\$0	\$18,112,483	Construction; Total Federal Participating Cost (TFPC) = \$189,451,000; AC Yr 2 of 5
NON-FEDERALLY AIDED PROJECTS SUBTOTAL:							\$18,112,483	\$0	\$18,112,483	
SECTION 4 / NON-FEDERALLY AIDED PROJECTS TOTAL:							\$18,112,483	\$0	\$18,112,483	
TOTAL	YEAR 2023						\$888,908,068	\$722,332,889	\$166,294,443	

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
SECTION 1A / REGIONALLY PRIORITIZED PROJECTS										
Regionally Prioritized Projects										
Bicycles and Pedestrians										
2024	608006	BOSTON	FRAMINGHAM	FRAMINGHAM- PEDESTRIAN HYBRID BEACON INSTALLATION AT ROUTE 9 AND MAYNARD ROAD	3	TAP	\$1,028,024	\$822,419	\$205,605	Construction; TAP Total Cost = \$1,028,024; MPO Evaluation Score = 26; TAP Proponent = Framingham
2024	609211	BOSTON	PEABODY	PEABODY- INDEPENDENCE GREENWAY EXTENSION	4	CMAQ	\$1,972,500	\$1,578,000	\$394,500	Construction; CMAQ+TAP Total Cost = \$2,228,447; MPO Evaluation Score = 34
2024	609211	BOSTON	PEABODY	PEABODY- INDEPENDENCE GREENWAY EXTENSION	4	TAP	\$255,947	\$204,758	\$51,189	Construction; CMAQ+TAP Total Cost = \$2,228,447; MPO Evaluation Score = 34
2024	607825	SOUTHEASTERN MASSACHUSETTS	WAREHAM	WAREHAM- CONSTRUCTION OF BIKE LANES ALONG NARROWS ROAD AND A SHARED USE PATH ADJACENT TO MINOT AVENUE INCLUDING RELATED WORK	5	CMAQ	\$2,610,000	\$2,088,000	\$522,000	a) Construction; b) Total Cost = \$5,220,000 - CMAQ (2,610,000) / TAP (\$2,610,000); d) EC Score 46 of 100; h) Project Proponent - Wareham; i) Status Pre 25%; Anticipating CMAQ Eligibility
2024	607825	SOUTHEASTERN MASSACHUSETTS	WAREHAM	WAREHAM- CONSTRUCTION OF BIKE LANES ALONG NARROWS ROAD AND A SHARED USE PATH ADJACENT TO MINOT AVENUE INCLUDING RELATED WORK	5	TAP	\$2,610,000	\$2,088,000	\$522,000	a) Construction; b) Total Cost = \$5,220,000 - CMAQ (2,610,000) / TAP (\$2,610,000); d) EC Score 46 of 100; h) Project Proponent - Wareham; i) Status Pre 25%; Anticipating CMAQ Eligibility
BICYCLES AND PEDESTRIANS SUBTOTAL:							\$8,476,471	\$6,781,177	\$1,695,294	
Intersection Improvements										
2024	608436	BOSTON	ASHLAND	ASHLAND- REHABILITATION AND RAIL CROSSING IMPROVEMENTS ON CHERRY STREET	3	STBG	\$1,148,400	\$918,720	\$229,680	Construction; STBG Total Cost = \$1,148,400; MPO Evaluation Score = 38
2024	609253	BOSTON	WILMINGTON	WILMINGTON- INTERSECTION IMPROVEMENTS AT LOWELL STREET (ROUTE 129) AND WOBURN STREET	4	CMAQ	\$3,400,000	\$2,720,000	\$680,000	Construction; CMAQ+HSIP Total Cost = \$3,944,000; MPO Evaluation Score = 53
2024	609253	BOSTON	WILMINGTON	WILMINGTON- INTERSECTION IMPROVEMENTS AT LOWELL STREET (ROUTE 129) AND WOBURN STREET	4	HSIP	\$544,000	\$489,600	\$54,400	Construction; CMAQ+HSIP Total Cost = \$3,944,000; MPO Evaluation Score = 53
2024	605168	BOSTON	HINGHAM	HINGHAM- INTERSECTION IMPROVEMENTS AT ROUTE 3A/SUMMER STREET ROTARY	5	STBG	\$7,200,001	\$5,760,001	\$1,440,000	Construction; TAP+STBG Total Cost = \$8,700,001; MPO Evaluation Score = 55
2024	605168	BOSTON	HINGHAM	HINGHAM- INTERSECTION IMPROVEMENTS AT ROUTE 3A/SUMMER STREET ROTARY	5	TAP	\$1,500,000	\$1,200,000	\$300,000	Construction; TAP+STBG Total Cost = \$8,700,001; MPO Evaluation Score = 55; TAP Proponent = Hingham
2024	608961	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - INTERSECTION IMPROVEMENTS ON CHANDLER STREET AND MAY STREET	3	HSIP	\$1,000,000	\$900,000	\$100,000	a) Construction / b) STBG + HSIP Total Project Cost = \$6,936,800 / d) PM Score = 15 / i) Design Status = Pre 25%

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2024	608961	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER - INTERSECTION IMPROVEMENTS ON CHANDLER STREET AND MAY STREET	3	STBG	\$5,936,800	\$4,749,440	\$1,187,360	a) Construction / b) STBG + HSIP Total Project Cost = \$6,936,800 / d) PM Score = 15 / i) Design Status = Pre 25%
2024	607401	NORTHERN MIDDLESEX	CHELMSFORD	CHELMSFORD- TRAFFIC SIGNAL INSTALLATION AT ROUTE 110 & ROUTE 495 (2 LOCATIONS)	4	HSIP	\$1,371,659	\$1,234,493	\$137,166	a) Construction; b) Total Project Cost at 2024 YOY: \$1,371,659 (\$1,172,500) HSIP; d) NMMPO TEC Score: 5.82 out of 18.
2024	608717	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- RECONSTRUCTION OF SUMNER AVENUE AT DICKINSON STREET AND BELMONT AVENUE (THE X)	2	CMAQ	\$3,000,000	\$2,400,000	\$600,000	Construction / YOY \$11,672,689) 70.5 TEC / 25% STBG, CMAQ, HSIP, TAP
2024	608717	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- RECONSTRUCTION OF SUMNER AVENUE AT DICKINSON STREET AND BELMONT AVENUE (THE X)	2	HSIP	\$1,100,000	\$990,000	\$110,000	Construction / YOY \$11,672,689) 70.5 TEC / 25% STBG, CMAQ, HSIP, TAP
2024	608717	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- RECONSTRUCTION OF SUMNER AVENUE AT DICKINSON STREET AND BELMONT AVENUE (THE X)	2	STBG	\$6,972,689	\$5,578,151	\$1,394,538	Construction / YOY \$11,672,689) 70.5 TEC / 25% STBG, CMAQ, HSIP, TAP
2024	608717	PIONEER VALLEY	SPRINGFIELD	SPRINGFIELD- RECONSTRUCTION OF SUMNER AVENUE AT DICKINSON STREET AND BELMONT AVENUE (THE X)	2	TAP	\$600,000	\$480,000	\$120,000	Construction / YOY \$11,672,689) 70.5 TEC / 25% STBG, CMAQ, HSIP, TAP
2024	608563	SOUTHEASTERN MASSACHUSETTS	SWANSEA	SWANSEA- IMPROVEMENTS ON ROUTE 6 (GRAND ARMY OF THE REPUBLIC HIGHWAY) AT GARDNERS NECK ROAD	5	HSIP	\$3,127,940	\$2,815,146	\$312,794	a) Construction; b) Total Cost = \$3,127,940 HSIP; d) EC Score 51 of 100; i) Status Pre 25%
INTERSECTION IMPROVEMENTS SUBTOTAL:							\$36,901,489	\$30,235,551	\$6,665,938	
Planning / Adjustments / Pass-throughs										
2024	BN0009	BOSTON	MULTIPLE	COMMUNITY TRANSPORTATION PROGRAM	NA	CMAQ	\$2,000,000	\$1,600,000	\$400,000	Planning, Design, or Construction; Set Aside for LRTP Clean Air and Mobility Program
PLANNING / ADJUSTMENTS / PASS-THROUGHSSUBTOTAL:							\$2,000,000	\$1,600,000	\$400,000	
Roadway Improvements										
2024	609459	MARTHA'S VINEYARD	TISBURY	Tisbury Drainage Improvements	5	STBG	\$796,810	\$637,448	\$159,362	PRC approved. MassDOT letter to MVC 5/1/19. MVC JTC 5/29/19. PIF & PNF currently under review
2024	608832	MONTACHUSETT	LANCASTER	LANCASTER- INTERCHANGE IMPROVEMENTS AT ROUTE 2 EXIT 34 (OLD UNION TURNPIKE)	3	STBG	\$5,568,000	\$4,454,400	\$1,113,600	Construction; TEC Score 23; 2019-2023 TIP year 2023; 2020 Cost \$4,800,000 (YOY 16% - \$5,568,000); Need DE assigned;
2024	609035	NORTHERN MIDDLESEX	WESTFORD	WESTFORD- REHABILITATION OF BOSTON ROAD	3	STBG	\$6,848,379	\$5,478,703	\$1,369,676	a) Construction; b) Total Project Cost at 2024 YOY: \$7,130,288 (\$6,095,000) STBG, TAP; d) NMMPO TEC Score: 7.55 out of 18; h) TAP Proponent: Westford.

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2024	609035	NORTHERN MIDDLESEX	WESTFORD	WESTFORD- REHABILITATION OF BOSTON ROAD	3	TAP	\$281,909	\$225,527	\$56,382	a) Construction; b) Total Project Cost at 2024 YOE: \$7,130,288 (\$6,095,000) STBG, TAP; d) NMMPO TEC Score: 7.55 out of 18; h) TAP Proponent: Westford.
2024	607403	OLD COLONY	STOUGHTON	STOUGHTON - CORRIDOR IMPROVEMENTS ON ROUTE 138	5	HSIP	\$455,954	\$410,359	\$45,595	a) Construction; b) Total Project Cost = \$9,155,544 w/ \$8,354,782 of STBG funding, \$455,954 of HSIP funding, and \$344,808 of TAP funding; d) MPO score 51.78
2024	607403	OLD COLONY	STOUGHTON	STOUGHTON - CORRIDOR IMPROVEMENTS ON ROUTE 138	5	STBG	\$8,354,782	\$6,683,826	\$1,670,956	a) Construction; b) Total Project Cost = \$9,155,544 w/ \$8,354,782 of STBG funding, \$455,954 of HSIP funding, and \$344,808 of TAP funding; d) MPO score 51.78
2024	607403	OLD COLONY	STOUGHTON	STOUGHTON - CORRIDOR IMPROVEMENTS ON ROUTE 138	5	TAP	\$344,808	\$275,846	\$68,962	a) Construction; b) Total Project Cost = \$9,155,544 w/ \$8,354,782 of STBG funding, \$455,954 of HSIP funding, and \$344,808 of TAP funding; d) MPO score 51.78
2024	608881	PIONEER VALLEY	LONGMEADOW	LONGMEADOW- SPRINGFIELD- RESURFACING AND INTERSECTION IMPROVEMENTS ON LONGMEADOW STREET (ROUTE 5) AND CONVERSE STREET (0.84 MILES)	2	STBG	\$6,064,675	\$4,851,740	\$1,212,935	Construction (YOE \$6,064,675 / 57.5 TEC / Pre 25% / STBG
ROADWAY IMPROVEMENTS SUBTOTAL:							\$28,715,317	\$23,017,849	\$5,697,468	
Roadway Reconstruction										
2024	608737	BERKSHIRE	DALTON	DALTON- RECONSTRUCTION OF DALTON DIVISION ROAD	1	STBG	\$8,697,694	\$6,958,155	\$1,739,539	AC 2 of 2; STBG; Total Cost = 11,074,560; MPO evaluation score 6 of 8; Design Status: <25%; YOE = 12%
2024	609054	BOSTON	LITTLETON	LITTLETON- RECONSTRUCTION OF FOSTER STREET	3	CMAQ	\$1,000,000	\$800,000	\$200,000	Construction; CMAQ+TAP+STBG Total Cost = \$4,086,153; MPO Evaluation Score = 38
2024	609054	BOSTON	LITTLETON	LITTLETON- RECONSTRUCTION OF FOSTER STREET	3	STBG	\$2,586,153	\$2,068,922	\$517,231	Construction; CMAQ+TAP+STBG Total Cost = \$4,086,153; MPO Evaluation Score = 38
2024	609054	BOSTON	LITTLETON	LITTLETON- RECONSTRUCTION OF FOSTER STREET	3	TAP	\$500,000	\$400,000	\$100,000	Construction; CMAQ+TAP+STBG Total Cost = \$4,086,153; MPO Evaluation Score = 38; TAP Proponent = Littleton
2024	608045	BOSTON	MILFORD	MILFORD- REHABILITATION ON ROUTE 16, FROM ROUTE 109 TO BEAVER STREET	3	HSIP	\$1,000,000	\$900,000	\$100,000	Construction; HSIP+STBG Total Cost = \$3,132,000; MPO Evaluation Score = 43
2024	608045	BOSTON	MILFORD	MILFORD- REHABILITATION ON ROUTE 16, FROM ROUTE 109 TO BEAVER STREET	3	STBG	\$2,132,000	\$1,705,600	\$426,400	Construction; HSIP+STBG Total Cost = \$3,132,000; MPO Evaluation Score = 43
2024	609257	BOSTON	EVERETT	EVERETT- REHABILITATION OF BEACHAM STREET, FROM ROUTE 99 TO CHELSEA CITY LINE	4	HSIP	\$1,000,000	\$900,000	\$100,000	Construction; HSIP+TAP+STBG Total Cost = \$10,648,800; MPO Evaluation Score = 54

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2024	609257	BOSTON	EVERETT	EVERETT- REHABILITATION OF BEACHAM STREET, FROM ROUTE 99 TO CHELSEA CITY LINE	4	STBG	\$8,148,800	\$6,519,040	\$1,629,760	Construction; HSIP+TAP+STBG Total Cost = \$10,648,800; MPO Evaluation Score = 54
2024	609257	BOSTON	EVERETT	EVERETT- REHABILITATION OF BEACHAM STREET, FROM ROUTE 99 TO CHELSEA CITY LINE	4	TAP	\$1,500,000	\$1,200,000	\$300,000	Construction; HSIP+TAP+STBG Total Cost = \$10,648,800; MPO Evaluation Score = 54; TAP Proponent = Everett
2024	609252	BOSTON	LYNN	LYNN- REHABILITATION OF ESSEX STREET	4	CMAQ	\$6,000,000	\$4,800,000	\$1,200,000	Construction; CMAQ+HSIP+STBG Total Cost = \$19,664,320; MPO Evaluation Score = 66
2024	609252	BOSTON	LYNN	LYNN- REHABILITATION OF ESSEX STREET	4	HSIP	\$4,000,000	\$3,600,000	\$400,000	Construction; CMAQ+HSIP+STBG Total Cost = \$19,664,320; MPO Evaluation Score = 66
2024	609252	BOSTON	LYNN	LYNN- REHABILITATION OF ESSEX STREET	4	STBG	\$9,664,320	\$7,731,456	\$1,932,864	Construction; CMAQ+HSIP+STBG Total Cost = \$19,664,320; MPO Evaluation Score = 66
2024	606226	BOSTON	BOSTON	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	NHPP	\$16,000,000	\$12,800,000	\$3,200,000	Construction; NHPP+STBG+TAP Total Cost = \$152,000,000; AC Yr 3 of 5; Total funding in this TIP = \$111,685,278; MPO Evaluation Score = 59
2024	606226	BOSTON	BOSTON	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	STBG	\$34,860,493	\$27,888,394	\$6,972,099	Construction; NHPP+STBG+TAP Total Cost = \$152,000,000; AC Yr 3 of 5; Total funding in this TIP = \$111,685,278; MPO Evaluation Score = 59
2024	606226	BOSTON	BOSTON	BOSTON- RECONSTRUCTION OF RUTHERFORD AVENUE, FROM CITY SQUARE TO SULLIVAN SQUARE	6	TAP	\$3,000,000	\$2,400,000	\$600,000	Construction; NHPP+STBG+TAP Total Cost = \$152,000,000; AC Yr 3 of 5; Total funding in this TIP = \$111,685,278; MPO Evaluation Score = 59; TAP Proponent = Boston
2024	608742	CAPE COD	MULTIPLE	DENNIS- HARWICH- RECONSTRUCTION & RELATED WORK ON MAIN STREET (ROUTE 28), FROM UPPER COUNTY ROAD TO THE HERRING RIVER BRIDGE	5	HSIP	\$458,514	\$412,663	\$45,851	Construction; Total project cost = \$5,943,376 with 16% inflation applied (STP + HSIP + TAP); MPO score = 79; ; Municipality is TAP proponent; RSA completed
2024	608742	CAPE COD	MULTIPLE	DENNIS- HARWICH- RECONSTRUCTION & RELATED WORK ON MAIN STREET (ROUTE 28), FROM UPPER COUNTY ROAD TO THE HERRING RIVER BRIDGE	5	STBG	\$5,279,053	\$4,223,242	\$1,055,811	Construction; Total project cost = \$5,943,376 with 16% inflation applied (STP + HSIP + TAP); MPO score = 79; ; Municipality is TAP proponent; RSA completed
2024	608742	CAPE COD	MULTIPLE	DENNIS- HARWICH- RECONSTRUCTION & RELATED WORK ON MAIN STREET (ROUTE 28), FROM UPPER COUNTY ROAD TO THE HERRING RIVER BRIDGE	5	TAP	\$205,809	\$164,647	\$41,162	Construction; Total project cost = \$5,943,376 with 16% inflation applied (STP + HSIP + TAP); MPO score = 79; ; Municipality is TAP proponent; RSA completed

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2024	608744	CAPE COD	PROVINCETOWN	PROVINCETOWN- CORRIDOR IMPROVEMENTS AND RELATED WORK ON SHANK PAINTER ROAD, FROM ROUTE 6 TO BRADFORD STREET	5	CMAQ	\$1,146,285	\$917,028	\$229,257	Construction; Total project cost = \$5,841,952 programmed with 16% inflation applied (STP + CMAQ); MPO score = 78; CMAQ analysis to be completed; Phase 1 of project - scope of project to be amended as needed
2024	608744	CAPE COD	PROVINCETOWN	PROVINCETOWN- CORRIDOR IMPROVEMENTS AND RELATED WORK ON SHANK PAINTER ROAD, FROM ROUTE 6 TO BRADFORD STREET	5	STBG	\$4,695,667	\$3,756,534	\$939,133	Construction; Total project cost = \$5,841,952 programmed with 16% inflation applied (STP + CMAQ); MPO score = 78; CMAQ analysis to be completed; Phase 1 of project - scope of project to be amended as needed
2024	609049	CENTRAL MASSACHUSETTS	WEST BROOKFIELD	WEST BROOKFIELD - RESURFACING AND RELATED WORK ON ROUTE 9, FROM 850' WEST OF WELCOME ROAD TO PIERCE ROAD (1 MILE - PHASE II)	2	STBG	\$6,715,334	\$5,372,267	\$1,343,067	a) Construction / b) STBG Total Project Cost = \$6,715,334 / d) PM Score = 13 / i) Design Status = Pre-25%
2024	609219	CENTRAL MASSACHUSETTS	HOLDEN	HOLDEN - PAVEMENT REHABILITATION ON SHREWSBURY STREET AND DOYLE ROAD, FROM MAIN STREET TO BRATTLE STREET	3	CMAQ	\$1,000,000	\$800,000	\$200,000	a) Construction / b) STBG + CMAQ Total Project Cost = \$7,337,000 / d) PM Score = 17 / i) Design Status = Pre 25%
2024	609219	CENTRAL MASSACHUSETTS	HOLDEN	HOLDEN - PAVEMENT REHABILITATION ON SHREWSBURY STREET AND DOYLE ROAD, FROM MAIN STREET TO BRATTLE STREET	3	STBG	\$6,337,000	\$5,069,600	\$1,267,400	a) Construction / b) STBG + CMAQ Total Project Cost = \$7,337,000 / d) PM Score = 17 / i) Design Status = Pre 25%
2024	608724	FRANKLIN	GREENFIELD	GREENFIELD- RECONSTRUCTION OF WISDOM WAY, FROM 480 FEET EAST OF PETTY PLAIN ROAD TO MILL STREET (0.43 MILES)	2	STBG	\$4,144,135	\$3,315,308	\$828,827	Construction; total project cost of \$3,572,530 inflated 4% per year to \$4,144,135; TEC score 7.8
2024	608788	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- ROADWAY RECONSTRUCTION ON NORTH AVENUE, FROM MAIN STREET (ROUTE 125) TO PLAISTOW NH	4	STBG	\$9,530,737	\$7,624,590	\$1,906,147	a) Construction; b) \$13,678,560 (Inflated 12% from 2020 cost) = \$4,147,823 STBG 2023 + \$9,530,737 STBG 2024; c) AC Year 2 of 2 = \$9,530,737; d) TEC = 8.00 out of 18
2024	609244	MONTACHUSETT	ASHBURNHAM	ASHBURNHAM- RESURFACING & RELATED WORK ON ROUTE 101	3	STBG	\$5,776,800	\$4,621,440	\$1,155,360	Construction; TEC Score 25; 2019-2023 TIP year 2023; 2020 Cost \$4,980,000 (YOE 16% - \$5,887,000); Project was re-approved by PRC due to new scope and limits (formerly #601957; now #609244), at pre-25% design;
2024	609287	PIONEER VALLEY	WORTHINGTON	WORTHINGTON- RECONSTRUCTION & RELATED WORK ON ROUTE 143 (PHASE II) FROM PERU T.L. TO COLD STREET	2	STBG	\$9,957,440	\$7,965,952	\$1,991,488	Construction / (YOE \$9,957,440) / 41 TEC / 75% Project Phase I funded in FFY 2019 Total project cost was \$16,300,000 / STBG
2024	608944	SOUTHEASTERN MASSACHUSETTS	MANSFIELD	MANSFIELD- RECONSTRUCTION ON CHAUNCY STREET (ROUTE 106)	5	CMAQ	\$3,000,000	\$2,400,000	\$600,000	a) Construction; b) Total Cost = \$7,685,000 - CMAQ (\$3,00,000) / STBG (\$4,685,000) ; d) EC Score 56 of 100; i) Status Pre 25%; Anticipating CMAQ Eligibility

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2024	608944	SOUTHEASTERN MASSACHUSETTS	MANSFIELD	MANSFIELD- RECONSTRUCTION ON CHAUNCY STREET (ROUTE 106)	5	STBG	\$4,685,000	\$3,748,000	\$937,000	a) Construction; b) Total Cost = \$7,685,000 - CMAQ (\$3,00,000) / STBG (\$4,685,000) ; d) EC Score 56 of 100; i) Status Pre 25%; Anticipating CMAQ Eligibility
2024	608753	SOUTHEASTERN MASSACHUSETTS	TAUNTON	TAUNTON- CORRIDOR IMPROVEMENTS AND RELATED WORK ON BROADWAY (ROUTE 138), FROM PURCHASE STREET TO JACKSON STREET (PHASE 2)	5	STBG	\$6,135,936	\$4,908,749	\$1,227,187	a) Construction; b) Total Cost = \$6,135,936 STBG (\$0) ; d) EC Score 69 of 100; i) Status Pre 25%;
ROADWAY RECONSTRUCTION SUBTOTAL:							\$169,157,170	\$135,971,587	\$33,185,583	
REGIONALLY PRIORITIZED PROJECTS SUBTOTAL:							\$245,250,447	\$197,606,164	\$47,644,283	
SECTION 1A / REGIONALLY PRIORITIZED PROJECTS TOTAL:							\$245,250,447	\$197,606,164	\$47,644,283	
SECTION 2A / STATE PRIORITIZED RELIABILITY PROJECTS										
Bridge Program / Inspections										
2024	TI24	STATEWIDE	MULTIPLE	Tunnel Inspection	Multi	NHPP-OFF	\$500,000	\$400,000	\$100,000	
2024	BRI24	STATEWIDE	MULTIPLE	Bridge Inspection	Multi	NHPP-OFF	\$9,019,710	\$7,215,768	\$1,803,942	
2024	BRI24	STATEWIDE	MULTIPLE	Bridge Inspection	Multi	NHPP-ON	\$11,024,090	\$8,819,272	\$2,204,818	
2024	BRI24	STATEWIDE	MULTIPLE	Bridge Inspection	Multi	STBG-BR-OFF	\$8,590,200	\$6,872,160	\$1,718,040	
BRIDGE PROGRAM / INSPECTIONS SUBTOTAL:							\$29,134,000	\$23,307,200	\$5,826,800	
Bridge Program / Off System										
2024	609069	BERKSHIRE	BECKET	BECKET- BRIDGE REPLACEMENT, B-03-045, QUARRY ROAD OVER CUSHMAN BROOK	1	STBG-BR-OFF	\$2,040,672	\$1,632,538	\$408,134	
2024	609076	BERKSHIRE	GREAT BARRINGTON	GREAT BARRINGTON- BRIDGE REPLACEMENT, G-11-006, COTTAGE STREET OVER HOUSATONIC RIVER	1	STBG-BR-OFF	\$5,143,440	\$4,114,752	\$1,028,688	
2024	609428	BERKSHIRE	LANESBOROUGH	LANESBOROUGH-BRIDGE REPLACEMENT, L-03-010, BRIDGE STREET OVER TOWN BROOK	1	STBG-BR-OFF	\$1,176,240	\$940,992	\$235,248	
2024	609068	BERKSHIRE	SHEFFIELD	SHEFFIELD- BRIDGE REPLACEMENT, S-10-015, KELSEY ROAD OVER SCHENOB BROOK,	1	STBG-BR-OFF	\$1,805,424	\$1,444,339	\$361,085	
2024	608859	BERKSHIRE	TYRINGHAM	TYRINGHAM- BRIDGE REPLACEMENT, T-10-003, JERUSALEM ROAD OVER HOP BROOK	1	STBG-BR-OFF	\$2,679,600	\$2,143,680	\$535,920	
2024	609467	BOSTON	HAMILTON	HAMILTON-BRIDGE REPLACEMENT, WINTHROP STREET OVER IPSWICH RIVER	4	STBG-BR-OFF	\$3,698,544	\$2,958,835	\$739,709	

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2024	609438	BOSTON	CANTON	CANTON-BRIDGE REPLACEMENT, C-02-042, REVERE COURT OVER EAST BRANCH NEPONSET RIVER	6	STBG-BR-OFF	\$2,721,360	\$2,177,088	\$544,272	
2024	TBD	CENTRAL MASSACHUSETTS	SUTTON	SUTTON-BRIDGE REPLACEMENT, S-33-002, MANCHAUG RAOD OVER MUMFORD RIVER	3	STBG-BR-OFF	\$3,535,680	\$2,828,544	\$707,136	a) Construction
2024	609427	FRANKLIN	MONTAGUE	MONTAGUE-BRIDGE REPLACEMENT, M-28-026, SOUTH STREET OVER SAWMILL RIVER	2	STBG-BR-OFF	\$2,942,688	\$2,354,150	\$588,538	Construction. Total project cost \$2,942,688
2024	609435	OLD COLONY	PLYMPTON	PLYMPTON-BRIDGE REPLACEMENT, WINNETUXET ROAD OVER WINNETUXET RIVER	5	STBG-BR-OFF	\$2,223,024	\$1,778,419	\$444,605	
2024	609434	SOUTHEASTERN MASSACHUSETTS	FALL RIVER	FALL RIVER, BRIDGE REPLACEMENT, F-02-114, JEFFERSON STREET OVER SUCKER BROOK	5	STBG-BR-OFF	\$1,625,856	\$1,300,685	\$325,171	
BRIDGE PROGRAM / OFF-SYSTEM SUBTOTAL:							\$29,592,528	\$23,674,022	\$5,918,506	
Bridge Program / On System (NHS)										
2024	608703	BOSTON	WILMINGTON	WILMINGTON- BRIDGE REPLACEMENT, W-38-029 (2KV), ST 129 LOWELL STREET OVER I 93	4	NHPP-ON	\$17,137,875	\$13,710,300	\$3,427,575	
2024	609186	CENTRAL MASSACHUSETTS	DUDLEY	DUDLEY- SUPERSTRUCTURE REPLACEMENT, D-12-026, ROUTE 131 OVER QUINEBAUG RIVER	3	NHPP-ON	\$9,744,696	\$7,795,757	\$1,948,939	a) Construction
2024	606522	MERRIMACK VALLEY	ANDOVER	ANDOVER- BRIDGE REHABILITATION, A-09-036, I-495 OVER ST 28 (SB), A-09-037, I-495 OVER B&M AND MBTA, A-09-041, I-495 OVER ST 28 (NB)	4	NHPP-ON	\$17,204,394	\$13,763,515	\$3,440,879	AC Year 1 of 5, Total Cost \$113,386,056
2024	605304	MERRIMACK VALLEY	HAVERHILL	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)	4	NHPP-ON	\$13,142,589	\$10,514,071	\$2,628,518	AC Year 1 of 5, Total Cost \$124,938,960
2024	TBD	MERRIMACK VALLEY	HAVERHILL	HAVERHILL- BRIDGE REPLACEMENT, H-12-040, I-495 (NB & SB) OVER MERRIMACK RIVER	4	NHPP-ON	\$43,180,558	\$34,544,446	\$8,636,112	AC Year 2 of 3, Total Cost = \$96,000,000
2024	606552	PIONEER VALLEY	NORTHAMPTON	NORTHAMPTON- BRIDGE RECONSTRUCTION, N-19-059, I-91 OVER US 5/BMRR & N-19-060, I-91 OVER HOCKANUM ROAD	2	NHPP-ON	\$20,173,960	\$16,139,168	\$4,034,792	AC Year 5 of 5, Total Cost \$56,891,767
2024	606527	SOUTHEASTERN MASSACHUSETTS	NEW BEDFORD	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	5	NHPP-ON	\$23,109,620	\$18,487,696	\$4,621,924	AC Year 2 of 5, Total Cost \$117,077,491
BRIDGE PROGRAM / ON-SYSTEM (NHS) SUBTOTAL:							\$143,693,692	\$114,954,953	\$28,738,739	
Bridge Program / On System (Non NHS)										
2024	608522	BOSTON	MIDDLETON	MIDDLETON- BRIDGE REPLACEMENT, M-20-003, ROUTE 62 (MAPLE STREET) OVER IPSWICH RIVER	4	NHPP-OFF	\$4,073,920	\$3,259,136	\$814,784	
BRIDGE PROGRAM / ON-SYSTEM (NON-NHS) SUBTOTAL:							\$4,073,920	\$3,259,136	\$814,784	

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
Bridge Program / Systematic Maintenance										
2024	TBD	STATEWIDE	MULTIPLE	DISTRICT 1- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	1	NHPP-OFF	\$522,200	\$417,760	\$104,440	
2024	TBD	STATEWIDE	MULTIPLE	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	2	NHPP-OFF	\$1,786,600	\$1,429,280	\$357,320	
2024	TBD	STATEWIDE	MULTIPLE	DISTRICT 3- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	3	NHPP-OFF	\$1,490,700	\$1,192,560	\$298,140	
2024	TBD	STATEWIDE	MULTIPLE	DISTRICT 4- SYSTEMATIC BRIDGE PRESERVATION	4	NHPP-OFF	\$1,983,700	\$1,586,960	\$396,740	
2024	TBD	STATEWIDE	MULTIPLE	DISTRICT 5- SYSTEMATIC BRIDGE PRESERVATION	5	NHPP-ON	\$1,490,700	\$1,192,560	\$298,140	
2024	TBD	STATEWIDE	MULTIPLE	DISTRICT 6- SYSTEMATIC BRIDGE PRESERVATION	6	NHPP-OFF	\$2,726,100	\$2,180,880	\$545,220	
BRIDGE PROGRAM / SYSTEMATIC MAINTENANCESUBTOTAL:							\$10,000,000	\$8,000,000	\$2,000,000	
Interstate Pavement										
2024	608203	STATEWIDE	MULTIPLE	MARLBORO-HUDSON-BERLIN - RESURFACING AND RELATED WORK ON I-495	3	NHPP	\$13,468,992	\$12,122,093	\$1,346,899	
2024	608826	STATEWIDE	MULTIPLE	TEWKSBURY-ANDOVER - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK ON I-93	4	NHPP	\$14,437,007	\$12,993,306	\$1,443,701	
INTERSTATE PAVEMENT SUBTOTAL:							\$27,905,999	\$25,115,399	\$2,790,600	
Non Interstate Pavement										
2024	609394	BERKSHIRE	MULTIPLE	CHESHIRE - ADAMS - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 8	1	NHPP	\$10,348,128	\$8,278,502	\$2,069,626	
2024	609402	BOSTON	MULTIPLE	FRAMINGHAM - NATICK - RESURFACING AND RELATED WORK ON ROUTE 9	3	NHPP	\$25,711,400	\$20,569,120	\$5,142,280	
2024	608495	BOSTON	MULTIPLE	CONCORD-LINCOLN-LEXINGTON RESURFACING AND RELATED WORK ON ROUTE 2A	4	NHPP	\$3,262,500	\$2,610,000	\$652,500	
2024	609396	BOSTON	MULTIPLE	RANDOLPH - MILTON - RESURFACING AND RELATED WORK ON ROUTE 28	6	NHPP	\$7,407,946	\$5,926,357	\$1,481,589	
2024	609399	BOSTON	RANDOLPH	RANDOLPH - RESURFACING AND RELATED WORK ON ROUTE 28	6	NHPP	\$7,407,946	\$5,926,357	\$1,481,589	
2024	606082	CAPE COD	BOURNE	BOURNE - MEDIAN INSTALLATION ON ROUTE 6	5	NHPP	\$4,335,500	\$3,468,400	\$867,100	
2024	609398	FRANKLIN	ERVING	ERVING - RESURFACING AND RELATED WORK ON ROUTE 2	2	NHPP	\$3,588,750	\$2,871,000	\$717,750	Construction. Total project cost \$3,588,750
2024	609395	PIONEER VALLEY	MULTIPLE	BELCHERTOWN-WARE - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 9	2	NHPP	\$8,298,350	\$6,638,680	\$1,659,670	
NON-INTERSTATE PAVEMENT SUBTOTAL:							\$70,360,520	\$56,288,416	\$14,072,104	

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
Roadway Improvements										
2024	609377	STATEWIDE	MULTIPLE	DISTRICT 3 - STORMWATER IMPROVEMENTS AT VARIOUS LOCATIONS ON THE CHARLES RIVER	3	STBG	\$1,300,000	\$1,040,000	\$260,000	
2024	TBA	STATEWIDE	MULTIPLE	DISTRICT 5 - STORMWATER IMPROVEMENTS AT VARIOUS LOCATIONS ON CAPE COD	5	STBG	\$1,300,000	\$1,040,000	\$260,000	
ROADWAY IMPROVEMENTS SUBTOTAL:							\$2,600,000	\$2,080,000	\$520,000	
Safety Improvements										
2024	609058	BOSTON	MULTIPLE	PEABODY TO GLOUCESTER- GUIDE AND TRAFFIC SIGN REPLACEMENT ON ROUTE 128	4	HSIP	\$1,903,664	\$1,713,298	\$190,366	
2024	608573	CENTRAL MASSACHUSETTS	MULTIPLE	UXBRIDGE TO WORCESTER - GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF ROUTE 146	3	HSIP	\$1,123,500	\$1,011,150	\$112,350	a) Construction
2024	608561	MONTACHUSETT	LEOMINSTER	LEOMINSTER- IMPROVEMENTS AT ROUTE 12 (NORTH MAIN STREET) AT HAMILTON STREET; ROUTE 12 (NORTH MAIN STREET) AT NELSON STREET	3	HSIP	\$5,145,920	\$4,631,328	\$514,592	this ins an intersection project but moved here
2024	608572	SOUTHEASTERN MASSACHUSETTS	MULTIPLE	DARTMOUTH TO RAYNHAM- GUIDE AND TRAFFIC SIGN REPLACEMENT ON SECTIONS OF I-195 AND I-495	5	HSIP	\$8,139,312	\$7,325,381	\$813,931	
2024	609058	STATEWIDE	MULTIPLE	PEABODY TO GLOUCESTER- GUIDE AND TRAFFIC SIGN REPLACEMENT ON ROUTE 128	4	HSIP	\$1,903,664	\$1,713,298	\$190,366	
SAFETY IMPROVEMENTS SUBTOTAL:							\$18,216,060	\$16,394,455	\$1,821,605	
SECTION 2A / STATE PRIORITIZED RELIABILITY PROJECTS TOTAL:							\$335,576,719	\$273,073,581	\$62,503,138	
SECTION 2B / STATE PRIORITIZED MODERNIZATION PROJECTS										
Intelligent Transportation Systems										
2024	609380	STATEWIDE	MULTIPLE	STATEWIDE INTELLIGENT TRANSPORTATION SYSTEMS, YEAR 2024, FOR CIP POLICY DEVELOPMENT PURPOSES ONLY	Multi	NHPP	\$10,000,000	\$8,000,000	\$2,000,000	
INTELLIGENT TRANSPORTATION SYSTEMS SUBTOTAL:							\$10,000,000	\$8,000,000	\$2,000,000	
Intersection Improvements										
2024	609254	BOSTON	LYNN	LYNN- INTERSECTION IMPROVEMENTS AT TWO INTERSECTIONS ON BROADWAY	4	HSIP	\$6,809,548	\$6,128,593	\$680,955	
2024	607759	BOSTON	BOSTON	BOSTON- INTERSECTION & SIGNAL IMPROVEMENTS AT THE VFW PARKWAY & SPRING STREET	6	HSIP	\$1,075,772	\$968,194	\$107,577	

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
2024	608757	CENTRAL MASSACHUSETTS	WORCESTER	WORCESTER- INTERSECTION IMPROVEMENTS AT WEST MOUNTAIN STREET AT I-190 FRONTAGE ROAD & BROOKS STREET EXTENSION	3	HSIP	\$2,639,000	\$2,375,100	\$263,900	a) Construction
2024	608759	SOUTHEASTERN MASSACHUSETTS	SWANSEA	SWANSEA- TRAFFIC SIGNAL AND SAFETY IMPROVEMENTS AT THREE INTERSECTIONS ON ROUTE 6	5	HSIP	\$7,958,702	\$7,162,831	\$795,870	
INTERSECTION IMPROVEMENTS SUBTOTAL:							\$18,483,022	\$16,634,718	\$1,848,302	
Roadway Reconstruction										
2024	607977	BOSTON	MULTIPLE	HOPKINTON- WESTBOROUGH- RECONSTRUCTION OF I-90/I-495 INTERCHANGE	3	NFP	\$37,500,000	\$30,000,000	\$7,500,000	a) Construction; Total Federal Participating Cost (TFPC) = \$189,451,000; AC Yr 3 of 5
2024	607977	BOSTON	MULTIPLE	HOPKINTON- WESTBOROUGH- RECONSTRUCTION OF I-90/I-495 INTERCHANGE	3	NHPP	\$12,500,000	\$10,000,000	\$2,500,000	a) Construction; Total Federal Participating Cost (TFPC) = \$189,451,000; AC Yr 3 of 5
2024	608049	SOUTHEASTERN MASSACHUSETTS	FALL RIVER	FALL RIVER- CORRIDOR IMPROVEMENTS ON ROUTE 79/DAVOL STREET	5	NHPP	\$20,733,865	\$16,587,092	\$4,146,773	a) Construction; Total Federal Participating Cost (TFPC) = \$87,793,200; AC Yr 3 of 3
2024	TBD	STATEWIDE	MULTIPLE	SAFE ROUTES TO SCHOOL	Multi	TAP	\$5,000,000	\$4,000,000	\$1,000,000	a) Construction; Safe Routes to School projects based on new selection process to be identified in 2022-2024 after they've been PRC approved
ROADWAY RECONSTRUCTION SUBTOTAL:							\$75,733,865	\$60,587,092	\$15,146,773	
SECTION 2B / STATE PRIORITIZED MODERNIZATION PROJECTS TOTAL:							\$104,216,887	\$85,221,810	\$18,995,075	

SECTION 2C / STATE PRIORITIZED EXPANSION PROJECTS

Bicycles and Pedestrians										
2024	609289	BERKSHIRE	PITTSFIELD	PITTSFIELD- ASHUWILLTICOOK BIKE TRAIL EXTENSION, CRANE AVENUE TO MERRILL ROAD	1	CMAQ	\$2,088,000	\$1,670,400	\$417,600	
2024	608948	BOSTON	MULTIPLE	BELLINGHAM- FRANKLIN- SOUTHERN NEW ENGLAND TRUNK TRAIL (SNETT) CONSTRUCTION	3	CMAQ	\$3,201,600	\$2,561,280	\$640,320	
2024	608995	BOSTON	MULTIPLE	SUDBURY- STOW- HUDSON- MASS CENTRAL RAIL TRAIL WAYSIDE	3	CMAQ	\$6,670,000	\$5,336,000	\$1,334,000	
2024	607329	BOSTON	MULTIPLE	WAKEFIELD- LYNNFIELD- RAIL TRAIL EXTENSION, FROM THE GALVIN MIDDLE SCHOOL TO LYNNFIELD/PEABODY T.L.	4	CMAQ	\$11,080,749	\$8,864,599	\$2,216,150	
2024	609262	CAPE COD	BOURNE	BOURNE- RAIL TRAIL CONSTRUCTION (PHASE 1)	5	CMAQ	\$2,227,200	\$1,781,760	\$445,440	
2024	608227	NORTHERN MIDDLESEX	BILLERICA	BILLERICA- YANKEE DOODLE BIKE PATH CONSTRUCTION (PHASE I)	4	CMAQ	\$11,221,761	\$8,977,409	\$2,244,352	Construction; Statewide CMAQ; NMMPO TEC Score: 12.00 out of 18.

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information

BICYCLES AND PEDESTRIANS SUBTOTAL: \$36,489,310 \$29,191,448 \$7,297,862

SECTION 2C / STATE PRIORITIZED EXPANSION PROJECTS TOTAL: \$36,489,310 \$29,191,448 \$7,297,862

SECTION 3 / PLANNING / ADJUSTMENTS / PASS-THROUGHS

Planning / Adjustments / Pass throughs

2024	ABPGAN	STATEWIDE	MULTIPLE	ABP GANS Repayment	Multi	NHPP	\$98,715,000	\$98,715,000	\$0	
2024	ABPGAN	STATEWIDE	MULTIPLE	ABP GANS Repayment	Multi	STBG-BR-OFF	\$350,000	\$350,000	\$0	
2024	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	CMAQ	\$608,208	\$486,567	\$121,642	
2024	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	HSIP	\$1,261,469	\$1,135,322	\$126,147	
2024	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	NHPP	\$10,207,832	\$8,166,266	\$2,041,566	
2024	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	STBG	\$2,230,097	\$1,784,077	\$446,019	
2024	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	STBG-BR-OFF	\$810,944	\$648,755	\$162,189	
2024	EWO	STATEWIDE	MULTIPLE	Award adjustments, change orders, etc.	Multi	TAP	\$202,736	\$162,189	\$40,547	
2024	TGP24	STATEWIDE	MULTIPLE	Transit Grant Program	Multi	CMAQ	\$1,975,000	\$1,580,000	\$395,000	
2024	FPIRT	STATEWIDE	MULTIPLE	Flex to Rail & Transit for Freight Plan Implementation	Multi	NFP	\$2,807,340	\$2,021,285	\$505,321	
2024	UPWP25	STATEWIDE	MULTIPLE	Metropolitan Planning	Multi	PL	\$11,087,375	\$8,869,900	\$2,217,475	
2024	SPR224	STATEWIDE	MULTIPLE	State Planning and Research Work Program II, (SPR II), Research	Multi	RD	\$4,500,000	\$3,600,000	\$900,000	
2024	SRT24	STATEWIDE	MULTIPLE	Recreational Trails	Multi	REC	\$1,483,411	\$1,186,729	\$296,682	
2024	RRC24	STATEWIDE	MULTIPLE	Railroad Crossings	Multi	RRHE	\$1,111,111	\$1,000,000	\$111,111	
2024	RRC24	STATEWIDE	MULTIPLE	Railroad Crossings	Multi	RRPD	\$1,111,111	\$1,000,000	\$111,111	
2024	UPWP25	STATEWIDE	MULTIPLE	Metropolitan Planning	Multi	SPR	\$1,423,720	\$1,138,976	\$284,744	
2024	SPR124	STATEWIDE	MULTIPLE	State Planning and Research Work Program I, (SPR I), Planning	Multi	SPR	\$13,033,371	\$10,426,697	\$2,606,674	
2024	SREDU24	STATEWIDE	MULTIPLE	SRTS Education	Multi	TAP	\$1,350,000	\$1,080,000	\$270,000	

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
PLANNING / ADJUSTMENTS / PASS-THROUGHSSUBTOTAL:							\$154,268,725	\$143,351,763	\$10,636,228	
SECTION 3 / PLANNING / ADJUSTMENTS / PASS-THROUGHSTOTAL:							\$154,268,725	\$143,351,763	\$10,636,228	
SECTION 4 / NON FEDERALLY AIDED PROJECTS										
Non Federally Aided Projects										
2024	607977	BOSTON	MULTIPLE	HOPKINTON- WESTBOROUGH- RECONSTRUCTION OF I-90/I-495 INTERCHANGE	3	NFA	\$18,112,483	\$0	\$18,112,483	Construction; Total Federal Participating Cost (TFPC) = \$189,451,000; AC Yr 3 of 5
NON-FEDERALLY AIDED PROJECTSSUBTOTAL:							\$18,112,483	\$0	\$18,112,483	
SECTION 4 / NON-FEDERALLY AIDED PROJECTSTOTAL:							\$18,112,483	\$0	\$18,112,483	
TOTAL							\$893,914,571	\$728,444,766	\$165,189,069	YEAR 2024

2024										
YR	MassDOT Project ID	MPO	Municipality Name	MassDOT Project Description	District	Funding Source	Total Programmed Funds	Federal Funds	Non-Federal Funds	Additional Information
Total Federal Funds							Total Non-Federal Funds	Total Programmed Funds		
\$3,613,381,574							\$802,273,602	\$4,417,058,848		

2020 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307								
BAT	111240	ACQUIRE ASSOC CAP MAINT ITEMS		\$100,000	\$25,000	\$0	\$0	\$125,000
BAT	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$80,000	\$20,000	\$0	\$0	\$100,000
BAT	111203	BUY REPLACEMENT 30-FT BUS (3) BSU		\$360,000	\$90,000	\$0	\$0	\$450,000
BAT	111700	(4) VEH OVERHAUL (UP TO 20% VEH MAINT) (2) Hybrid (2) Diesel Gillig Lowfloor		\$640,000	\$160,000	\$0	\$0	\$800,000
BAT	113403	TERMINAL, INTERMODAL (TRANSIT) Pavement Management		\$40,000	\$10,000	\$0	\$0	\$50,000
BAT	113403	TERMINAL, INTERMODAL (TRANSIT)		\$40,000	\$10,000	\$0	\$0	\$50,000
BAT	114402	REHAB/RENOVATE - MAINTENANCE FACILITY		\$40,000	\$10,000	\$0	\$0	\$50,000
BAT	113206	ACQUIRE - PARATRANSIT BUS FARE COLL EQUIP		\$60,000	\$15,000	\$0	\$0	\$75,000
BRTA	117A00	PREVENTIVE MAINTENANCE		\$120,000	\$30,000	\$0	\$0	\$150,000
BRTA	111204	BUY REPLACEMENT <30 FT BUS (2) fixed route		\$153,798	\$38,450	\$0	\$0	\$192,248
BRTA	114410	Mid-Life Fare Collection System upgrade		\$400,000	\$100,000	\$0	\$0	\$500,000
CATA	117A00	PREVENTIVE MAINTENANCE		\$285,000	\$0	\$0	\$71,250	\$356,250
CATA	114206	ACQUIRE - SHOP EQ/COMP/SFTWR		\$55,000	\$13,750	\$0	\$0	\$68,750
CCRTA	117C00	NON FIXED ROUTE ADA PARA SERV		\$553,624	\$138,406	\$0	\$0	\$692,030
CCRTA	114207	ACQUIRE - ADP HARDWARE		\$69,440	\$17,360	\$0	\$0	\$86,800
CCRTA	119302	CONSTRUCTION - BUS SHELTERS		\$28,800	\$7,200	\$0	\$0	\$36,000
CCRTA	114208	ACQUIRE - ADP SOFTWARE		\$2,800	\$700	\$0	\$0	\$3,500
CCRTA	111204	BUY REPLACEMENT <30 FT BUS		\$185,400	\$46,350	\$0	\$0	\$231,750
CCRTA	117A00	PREVENTIVE MAINTENANCE		\$4,969,440	\$1,242,360	\$0	\$0	\$6,211,800
CCRTA	117L00	MOBILITY MANAGEMENT		\$1,255,621	\$313,905	\$0	\$0	\$1,569,526
CCRTA	114209	ACQUIRE - MOBILE SURV/SECURITY EQUIP		\$66,133	\$16,533	\$0	\$0	\$82,666
CCRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		\$80,000	\$20,000	\$0	\$0	\$100,000
CCRTA	300900	OPERATING ASSISTANCE		\$600,000	\$600,000	\$0	\$0	\$1,200,000
GATRA	442400	SHORT RANGE TRANSIT PLANNING		\$80,000	\$20,000	\$0	\$0	\$100,000
GATRA	300901	OPERATING ASSISTANCE		\$600,000	\$600,000	\$0	\$0	\$1,200,000
GATRA	114200	ACQUIRE - MISC SUPPORT EQUIPMENT		\$60,000	\$15,000	\$0	\$0	\$75,000
GATRA	117A00	PREVENTIVE MAINTENANCE		\$2,800,000	\$700,000	\$0	\$0	\$3,500,000
GATRA	111203	BUY REPLACEMENT 30-FT BUS - 2		\$800,000	\$200,000	\$0	\$0	\$1,000,000
GATRA	111215	BUY REPLACEMENT VAN - 5		\$208,000	\$0	\$0	\$52,000	\$260,000
GATRA	117C00	NON FIXED ROUTE ADA PARA SERV		\$1,200,000	\$300,000	\$0	\$0	\$1,500,000
GATRA	111204	BUY REPLACEMENT <30 FT BUS - 4		\$300,000	\$0	\$0	\$75,000	\$375,000
LRTA	300901	OPERATING ASSISTANCE 2020		\$1,873,223	\$3,251,468	\$0	\$3,005,244	\$8,129,935
LRTA	117A00	PREVENTIVE MAINTENANCE 2020		\$1,427,351	\$356,838	\$0	\$0	\$1,784,189

2020 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
LRTA	442400	SHORT RANGE TRANSIT PLANNING (NMCOC) 2020		\$80,000	\$0	\$0	\$20,000	\$100,000
LRTA	111240	BUY CAPITAL SPARE PARTS 2020		\$65,000	\$16,250	\$0	\$0	\$81,250
LRTA	111202	BUY REPLACEMENT 35-FT BUS (5)		\$1,187,500	\$296,875	\$0	\$0	\$2,375,000
LRTA	113411	Rehab Intermodal Hub		\$200,000	\$200,000	\$0	\$0	\$400,000
LRTA	111240	BUY ASSOC CAP MAINT ITEMS		\$100,000	\$100,000	\$0	\$0	\$200,000
LRTA	111215	BUY REPLACEMENT VAN (2)		\$150,000	\$37,500	\$0	\$0	\$187,500
MART	111215	BUY REPLACEMENT VANS (5)		\$268,000	\$67,000	\$0	\$0	\$335,000
MART	300901	UP TO 50% FEDERAL SHARE		\$2,000,000	\$2,000,000	\$0	\$0	\$4,000,000
MART	117C00	NON FIXED ROUTE ADA PARA SERV		\$250,000	\$62,500	\$0	\$0	\$312,500
MART	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$80,000	\$20,000	\$0	\$0	\$100,000
MART	116402	REHAB/RENOV COMMUNICATIONS SYSTEM		\$40,000	\$10,000	\$0	\$0	\$50,000
MART	113403	TERMINAL, INTERMODAL (TRANSIT)		\$16,000	\$4,000	\$0	\$0	\$20,000
MART	119202	PURCHASE BUS SHELTERS		\$16,000	\$4,000	\$0	\$0	\$20,000
MART	111204	BUY REPLACEMENT <30 FT BUS (3)		\$200,000	\$50,000	\$0	\$0	\$250,000
MART	114320	CONSTRUCT - MISC. EQUIPMENT		\$228,000	\$57,000	\$0	\$0	\$285,000
MART	113403	TERMINAL, INTERMODAL (TRANSIT)		\$24,000	\$6,000	\$0	\$0	\$30,000
MART	119401	REHAB/RENOV HISTORIC MASS TRANSP BLDGS (INCL. OPS)		\$24,000	\$6,000	\$0	\$0	\$30,000
MART	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		\$120,000	\$30,000	\$0	\$0	\$150,000
MBTA	121200	Revenue Vehicle Program - 5307		\$121,172,978	\$0	\$0	\$30,293,245	\$151,466,223
MBTA	126301	Signals/Systems Upgrade Program - 5307		\$28,323,647	\$0	\$0	\$7,080,912	\$35,404,559
MVRTA	117A00	PREVENTIVE MAINTENANCE		\$2,658,530	\$664,630	\$0	\$0	\$3,323,160
MVRTA	117C00	NON FIXED ROUTE ADA PARA SERV		\$1,322,605	\$330,650	\$0	\$0	\$1,653,255
MVRTA	442400	SHORT RANGE TRANSIT PLANNING		\$80,000	\$0	\$0	\$20,000	\$100,000
MVRTA	300900	OPERATING ASSISTANCE		\$430,775	\$430,775	\$0	\$0	\$861,550
MVRTA	111202	Replace 3 Model Yr 2007 buses delivery 2020		\$1,101,720	\$275,430	\$0	\$0	\$1,377,150
MVRTA	114305	SGR Riverbank stabilization Construction		\$1,400,265	\$350,065	\$0	\$0	\$1,750,330
MVRTA	114211	SGR Replace 1 model year 2013 supervisory vehicle		\$37,225	\$9,305	\$0	\$0	\$46,530
MWRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		\$181,512	\$45,378	\$0	\$0	\$226,890
MWRTA	440000	TECHNOLOGY SUPPORT/CAPITAL OUTREACH		\$160,000	\$40,000	\$0	\$0	\$200,000
MWRTA	113403	TERMINAL, INTERMODAL (TRANSIT) - BLANDIN		\$288,000	\$72,000	\$0	\$0	\$360,000
MWRTA	113403	TERMINAL, INTERMODAL (TRANSIT) - Framingham Commuter Rail Station (FCRS)		\$19,640	\$4,910	\$0	\$0	\$24,550
MWRTA	117C00	NON FIXED ROUTE ADA PARA SERV		\$1,717,784	\$429,446	\$0	\$0	\$2,147,230
PVTA	119202	Purchase Bus Shelters, benches, trash receptacles,etc.	2017 - \$12,000; 2018 - \$12,000; 2019 - \$16,000	\$40,000	\$10,000	\$0	\$0	\$50,000

2020 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
PVTA	119208	Purchases signage and lighting	2013 - \$8,000	\$8,000	\$2,000	\$0	\$0	\$10,000
PVTA	119206	Purchase bicycle Equipment for shelters and buses	2013 - \$240; 2016 - \$4,000; 2018 - \$300; 2019 - \$1,060	\$5,600	\$1,400	\$0	\$0	\$7,000
PVTA	114402	Environmental Compliance	2019 - \$18,750	\$18,750	\$6,250	\$0	\$0	\$25,000
PVTA	442301	Planning Services - Long Term System	2019 - \$188,000	\$188,000	\$47,000	\$0	\$0	\$235,000
PVTA	117C00	ADA Service subsidy	2019 - \$1,226,785	\$1,226,785	\$306,696	\$0	\$0	\$1,533,481
PVTA	117A00	Preventive Maintenance	2019 - \$8,250,000	\$8,250,000	\$0	\$1,650,000	\$0	\$8,250,000
PVTA	111201	Buy Replacement 40' Diesel Bus (16)	2017 - \$360,000; 2019 - \$1,174,354; 2019 - \$966,359	\$1,534,354	\$3,183,423	\$0	\$0	\$5,684,136
PVTA	114406	Purchase & Replace Shop Equipment	2019 - \$138,750	\$138,750	\$46,250	\$0	\$0	\$185,000
PVTA	114220	Information Technology Systems	2015 - \$80,000; 2018 - \$364,855; 2019 - \$1,231,359	\$1,676,214	\$419,054	\$0	\$0	\$2,095,268
PVTA	111202	Buy Replacement 35" Bus (17)	2015 - \$219,200; 2019 - \$1,669,804	\$1,889,004	\$2,185,000	\$0	\$0	\$4,074,004
PVTA	116100	Robbins Road Intersection Design	2019 - \$128,000	\$128,000	\$32,000	\$0	\$0	\$160,000
PVTA	117900	Facility Managment Project	2019 - \$160,000	\$160,000	\$40,000	\$0	\$0	\$200,000
SRTA	114220	Transit Enhancements		\$8,000	\$2,000	\$0	\$0	\$10,000
SRTA	113407	REHAB/RENOVATE - BUS SURVEILL/SECURITY SYSTEM		\$24,000	\$6,000	\$0	\$0	\$30,000
SRTA	442400	SHORT RANGE TRANSIT PLANNING		\$96,000	\$0	\$0	\$24,000	\$120,000
SRTA	300901	UP TO 50% FEDERAL SHARE		\$5,380,765	\$5,741,233	\$0	\$0	\$11,121,998
SRTA	300900	ADA Assistance		\$160,000	\$40,000	\$0	\$0	\$200,000
SRTA	117A00	PREVENTIVE MAINTENANCE		\$800,000	\$200,000	\$0	\$0	\$1,000,000
SRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$8,000	\$2,000	\$0	\$0	\$10,000
SRTA	115204	PURCHASE VEHICLE LOCATOR SYSTEM - ITS		\$280,000	\$70,000	\$0	\$0	\$350,000
SRTA	114211	ACQUIRE - SUPPORT VEHICLES		\$28,000	\$7,000	\$0	\$0	\$35,000
SRTA	111215	BUY REPLACEMENT VAN		\$145,841	\$36,460	\$0	\$0	\$182,301
SRTA	111640	LEASE ASSOC CAP MAINT ITEMS		\$72,000	\$18,000	\$0	\$0	\$90,000
WRTA	113401	REHAB/RENOVATE - BUS TERMINAL		\$8,000	\$2,000	\$0	\$0	\$10,000
WRTA	114211	ACQUIRE - SUPPORT VEHICLES		\$28,000	\$7,000	\$0	\$0	\$35,000
WRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$38,250	\$9,562	\$0	\$0	\$47,812
WRTA	111215	Miscellaneous Equipment		\$91,520	\$22,880	\$0	\$0	\$114,400
WRTA	111240	BUY ASSOC CAP MAINT ITEMS		\$525,337	\$131,334	\$0	\$0	\$656,671
WRTA	114207	ACQUIRE - ADP HARDWARE		\$20,000	\$5,000	\$0	\$0	\$25,000
WRTA	114208	ACQUIRE - ADP SOFTWARE		\$36,000	\$9,000	\$0	\$0	\$45,000
WRTA	119202	PURCHASE BUS SHELTERS		\$24,000	\$6,000	\$0	\$0	\$30,000

2020 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
WRTA	119208	PURCHASE SIGNAGE		\$16,000	\$4,000	\$0	\$0	\$20,000
WRTA	114303	CONSTRUCT - ADMIN/MAINT FACILITY		\$1,482,000	\$0	\$296,400	\$0	\$1,482,000
WRTA	300901	UP TO 50% FEDERAL SHARE		\$5,917,142	\$5,917,142	\$0	\$0	\$11,834,284
WRTA	111201	BUY REPLACEMENT 40-FT BUS (4)		\$1,778,929	\$0	\$355,786	\$0	\$1,778,929
		Subtotal		\$215,708,052	\$32,503,718	\$2,302,186	\$40,641,651	\$290,710,405
5309								
MBTA	132303	Green Line Extension Project		\$150,000,000	\$0	\$0	\$150,000,000	\$300,000,000
		Subtotal		\$150,000,000	\$0	\$0	\$150,000,000	\$300,000,000
5310								
MassDOT	111200	Mobility Assistance Program		\$6,035,578	\$4,000,000	\$0	\$0	\$10,035,578
		Subtotal		\$6,035,578	\$4,000,000	\$0	\$0	\$10,035,578
5311								
MassDOT	300900	Rural Formula		\$3,749,029	\$0	\$0	\$3,749,029	\$7,498,058
NRTA	300900	Rural Operating Assistance		\$581,399	\$0	\$0	\$581,399	\$1,162,798
VTA	300901	UP TO 50% FEDERAL SHARE		\$1,500,000	\$1,500,000	\$0	\$0	\$3,000,000
		Subtotal		\$5,830,428	\$1,500,000	\$0	\$4,330,428	\$11,660,856
5337								
GATRA	123402	REHAB/RENOV - RAIL STATION		\$943,837	\$0	\$0	\$235,959	\$1,179,796
MBTA	123400	Stations and Facilities Program - 5337		\$57,577,842	\$0	\$0	\$14,394,461	\$71,972,303
MBTA	124400	Signals/Systems Upgrade Program - 5337		\$76,229,292	\$0	\$0	\$19,057,323	\$95,286,615
MBTA	122405	Bridge & Tunnel Program -5337		\$26,823,759	\$0	\$0	\$6,705,939	\$33,529,698
WRTA	113403	TERMINAL, INTERMODAL (TRANSIT)		\$2,469,890	\$0	\$0	\$617,472	\$3,087,362
		Subtotal		\$164,044,620	\$0	\$0	\$41,011,154	\$205,055,774
5339								
BRTA	111202	BUY 2 REPLACEMENT 35-FT BUSES		\$660,721	\$165,181	\$0	\$0	\$825,902
CCRTA	113400	REHAB/RENOVATE BUS STATIONS		\$606,125	\$152,531	\$0	\$0	\$758,656
CCRTA	117000	OTHER CAPITAL ITEMS (BUS)		\$684,000	\$171,000	\$0	\$0	\$855,000
CCRTA	111203	BUY REPLACEMENT 30-FT BUS (Assumes allocation of Statewide 5339 funds)		\$1,171,234	\$0	\$292,808	\$0	\$1,171,234
FRTA	114303	CONSTRUCT - ADMIN/MAINT FACILITY		\$4,000,000	\$1,700,000	\$0	\$0	\$5,700,000
MassDOT	111200	Bus and Bus Facilities (Statewide)		\$1,721,158	\$0	\$0	\$430,290	\$2,151,448
MBTA	111400	Bus Program - 5339		\$6,611,840	\$0	\$0	\$1,652,960	\$8,264,800
SRTA	111200	BUY REPLACEMENTS - CAPITOL BUS (5)		\$1,047,574	\$191,107	\$0	\$0	\$2,003,107
VTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$863,096	\$0	\$347,500	\$0	\$1,390,000
VTA	114320	CONSTRUCT - MISC. EQUIPMENT		\$1,750,000	\$350,000	\$0	\$0	\$2,100,000
WRTA	111201	BUY REPLACEMENT 40-FT BUS (1)		\$470,767	\$0	\$94,153	\$0	\$470,767
		Subtotal		\$19,586,515	\$2,729,819	\$734,461	\$2,083,250	\$25,690,914
Other Federal								

2020 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
			Subtotal	\$0	\$0	\$0	\$0	\$0
Other Non-Federal								
CATA	111240	BUY ASSOC CAP MAINT ITEMS		\$0	\$15,000	\$0	\$0	\$15,000
FRTA	114406	REHAB/RENOVATE - SHOP EQUIPMENT		\$0	\$10,000	\$0	\$0	\$10,000
FRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$0	\$10,000	\$0	\$0	\$10,000
FRTA	114102	ENG/DESIGN - MAINT FACILITY		\$0	\$700,000	\$0	\$0	\$700,000
FRTA	111240	BUY ASSOC CAP MAINT ITEMS		\$0	\$15,000	\$0	\$0	\$15,000
FRTA	117111	Acquisition/Mitigation		\$0	\$500,000	\$0	\$0	\$500,000
FRTA	114402	REHAB/RENOVATE - MAINTENANCE FACILITY		\$0	\$150,000	\$0	\$0	\$150,000
GATRA	114402	REHAB/RENOVATE - East MAINTENANCE FACILITY		\$0	\$360,000	\$0	\$1,440,000	\$1,800,000
LRTA	111240	BUY ASSOC CAP MAINT ITEMS (ITS EQUIPMENT) 2020		\$0	\$10,000	\$0	\$0	\$10,000
MassDOT	115200	RTA: Facility and System Modernization		\$0	\$2,189,311	\$0	\$0	\$2,189,311
MassDOT	900000	Transit Technical Assistance		\$0	\$2,000,000	\$0	\$0	\$2,000,000
NRTA	1000002	PREVENTIVE MAINTENANCE		\$0	\$25,000	\$0	\$0	\$25,000
NRTA	995000	TRAVELER INFORMATION		\$0	\$51,200	\$0	\$0	\$51,200
NRTA	111204	BUY REPLACEMENT <30 FT BUS		\$0	\$450,000	\$0	\$0	\$450,000
NRTA	114402	REHAB/RENOVATE - MAINTENANCE FACILITY		\$0	\$75,000	\$0	\$0	\$75,000
NRTA	114209	ACQUIRE - MOBILE SURV/SECURITY EQUIP		\$0	\$80,000	\$0	\$0	\$80,000
NRTA	114420	REHAB/RENOVATE - MISC SUPPORT EQUIPMENT		\$0	\$60,000	\$0	\$0	\$60,000
NRTA	114409	REHAB/RENOVATE - MOBILE SURVEILL/SECURITY EQUIP		\$0	\$30,000	\$0	\$0	\$30,000
NRTA	116403	REHAB/RENOV RADIO		\$0	\$5,000	\$0	\$0	\$5,000
VRTA	111202	BUY REPLACEMENT 35-FT BUS (2)		\$0	\$900,000	\$0	\$0	\$900,000
VRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$0	\$490,000	\$0	\$0	\$490,000
VRTA	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		\$0	\$175,000	\$0	\$0	\$175,000
VRTA	114409	REHAB/RENOVATE - MOBILE SURVEILL/SECURITY EQUIP		\$0	\$40,000	\$0	\$0	\$40,000
VRTA	113310	CONSTRUCT - BUS PASSENGER SHELTERS		\$0	\$50,000	\$0	\$0	\$50,000
VRTA	113209	ACQUIRE - BUS ROUTE SIGNING		\$0	\$30,000	\$0	\$0	\$30,000
			Subtotal	\$0	\$8,420,511	\$0	\$1,440,000	\$9,860,511
			Total	\$561,205,193	\$49,154,048	\$3,036,647	\$239,506,483	\$853,014,038

2021 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307								
BAT	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2019 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
BAT	111240	ACQUIRE ASSOC CAP MAINT ITEMS	2019 - \$100,000	\$100,000	\$25,000	\$0	\$0	\$125,000
BAT	300901	OPERATING ASSISTANCE - Operating/PM/ADA	2019 - \$1,421,998; 2020 - \$828,002	\$2,250,000	\$2,250,000	\$0	\$0	\$4,500,000
BAT	114220	ACQUIRE HVAC Intermodal and Admin Buildings	2019 - \$120,000	\$120,000	\$30,000	\$0	\$0	\$150,000
BAT	111201	BUY REPLACEMENT 40-FT BUS (4)		\$1,720,000	\$430,000	\$0	\$0	\$2,150,000
BAT	114405	REHAB/RENOVATE - YARDS AND SHOPS Fuel Tanks	2019 - \$360,000	\$360,000	\$90,000	\$0	\$0	\$450,000
BAT	116203	PURCHASE RADIOS	2019 - \$120,000	\$120,000	\$30,000	\$0	\$0	\$150,000
BAT	113404	REHAB/RENOVATE - BUS PARK & RIDE LOT	2019 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
BAT	114402	REHAB/RENOVATE - MAINTENANCE FACILITY	2019 - \$40,000	\$40,000	\$10,000	\$0	\$0	\$50,000
BAT	113403	TERMINAL, INTERMODAL (TRANSIT)	2019 - \$40,000	\$40,000	\$10,000	\$0	\$0	\$50,000
BRTA	1000002	PREVENTIVE MAINTENANCE		\$120,000	\$30,000	\$0	\$0	\$150,000
BRTA	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY-BUS DECK		\$120,000	\$30,000	\$0	\$0	\$150,000
BRTA	114406	REHAB/RENOVATE - SHOP EQUIPMENT		\$20,000	\$5,000	\$0	\$0	\$25,000
CATA	117A00	PREVENTIVE MAINTENANCE	2020 - \$285,000	\$285,000	\$0	\$0	\$71,250	\$356,250
CATA	114206	ACQUIRE - SHOP EQ/COMP/SFTWR	2020 - \$55,000	\$55,000	\$13,750	\$0	\$0	\$68,750
CCRTA	117L00	MOBILITY MANAGEMENT	2019 - \$1,280,734	\$1,280,734	\$320,183	\$0	\$0	\$1,600,917
CCRTA	117C00	NON FIXED ROUTE ADA PARA SERV	2020 - \$564,697	\$564,697	\$141,174	\$0	\$0	\$705,871
CCRTA	117A00	PREVENTIVE MAINTENANCE	2018 - \$790,293; 2019 - \$4,303,383	\$5,093,676	\$1,273,419	\$0	\$0	\$6,367,095
CCRTA	300900	OPERATING ASSISTANCE	2019 - \$600,000	\$600,000	\$600,000	\$0	\$0	\$1,200,000
CCRTA	119302	CONSTRUCTION - BUS SHELTERS	2018 - \$30,400	\$30,400	\$7,600	\$0	\$0	\$38,000
CCRTA	111204	BUY REPLACEMENT <30 FT BUS	2019 - \$123,839; 2020 - \$67,121	\$190,960	\$47,740	\$0	\$0	\$238,700
GATRA	442400	SHORT RANGE TRANSIT PLANNING		\$80,000	\$20,000	\$0	\$0	\$100,000
GATRA	117A00	PREVENTIVE MAINTENANCE		\$2,800,000	\$700,000	\$0	\$0	\$3,500,000
GATRA	300901	OPERATING ASSISTANCE		\$600,000	\$600,000	\$0	\$0	\$1,200,000
GATRA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$60,000	\$15,000	\$0	\$0	\$75,000
GATRA	111203	BUY REPLACEMENT 30-FT BUS - 2		\$800,000	\$200,000	\$0	\$0	\$1,000,000
GATRA	117C00	NON FIXED ROUTE ADA PARA SERV	2020 - \$400,000	\$1,200,000	\$300,000	\$0	\$0	\$1,500,000
GATRA	111204	BUY REPLACEMENT <30 FT BUS - 3		\$300,000	\$0	\$0	\$75,000	\$375,000
LRTA	114220	Terminal& Building Equipment and Maintenance	2020 - \$225,000	\$225,000	\$56,250	\$0	\$0	\$281,250
LRTA	111240	BUY CAPITAL SPARE PARTS 2021	2020 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
LRTA	300901	OPERATING ASSISTANCE 2021	2019 - \$1,590,437; 2020 - \$462,259	\$2,052,696	\$3,240,763	\$0	\$3,080,375	\$8,373,834
LRTA	117A00	PREVENTIVE MAINTENANCE 2021	2019 - \$1,470,172	\$1,470,172	\$367,543	\$0	\$0	\$1,837,715

2021 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
LRTA	442400	SHORT RANGE TRANSIT PLANNING (NMCOG) 2021	2020 - \$88,000	\$88,000	\$0	\$0	\$22,000	\$110,000
LRTA	111215	BUY REPLACEMENT FIXED ROUTE VANS (2)	2020 - \$240,000	\$240,000	\$60,000	\$0	\$0	\$300,000
LRTA	111202	BUY REPLACEMENT 35-FT DIESEL BUSES (8)	2020 - \$3,015,787	\$3,100,800	\$775,200	\$0	\$0	\$3,876,000
MART	117C00	NON FIXED ROUTE ADA PARA SERV		\$250,000	\$62,500	\$0	\$0	\$312,500
MART	300901	UP TO 50% FEDERAL SHARE		\$2,000,000	\$2,000,000	\$0	\$0	\$4,000,000
MART	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$120,000	\$30,000	\$0	\$0	\$150,000
MART	111215	BUY REPLACEMENT VAN (5)		\$272,000	\$68,000	\$0	\$0	\$340,000
MART	111203	BUY REPLACEMENT 30-FT BUS (2)		\$680,000	\$170,000	\$0	\$0	\$850,000
MBTA	121200	Revenue Vehicle Program - 5307		\$123,245,036	\$0	\$0	\$30,811,259	\$154,056,295
MBTA	126301	Signals/Systems Upgrade Program - 5307		\$16,379,600	\$0	\$0	\$4,094,900	\$20,474,500
MBTA	123400	5307 - Stations and Facilities Program		\$12,428,382	\$0	\$0	\$3,107,096	\$15,535,478
MVRTA	117A00	PREVENTIVE MAINTENANCE		\$2,796,775	\$699,195	\$0	\$0	\$3,495,970
MVRTA	117C00	NON FIXED ROUTE ADA PARA SERV		\$1,392,850	\$348,215	\$0	\$0	\$1,741,065
MVRTA	442400	SHORT RANGE TRANSIT PLANNING		\$80,000	\$0	\$0	\$20,000	\$100,000
MVRTA	300901	OPERATING ASSISTANCE		\$453,175	\$453,175	\$0	\$0	\$906,350
MVRTA	111215	Replace 16 Model Yr 2015 vans with new		\$944,385	\$236,095	\$0	\$0	\$1,180,480
MVRTA	114211	SGR Replace 1 model yr 2014 supervisory vehicle		\$38,320	\$9,580	\$0	\$0	\$47,900
MWRTA	113403	TERMINAL, INTERMODAL (TRANSIT) - Framingham Commuter Rail Station (FCRS)	2020 - \$125,000	\$125,000	\$175,000	\$0	\$0	\$300,000
MWRTA	117C00	NON FIXED ROUTE ADA PARA SERV	2020 - \$1,600,000	\$1,600,000	\$400,000	\$0	\$0	\$2,000,000
MWRTA	113403	TERMINAL, INTERMODAL (TRANSIT) - BLANDIN	2020 - \$350,000	\$350,000	\$225,000	\$0	\$0	\$575,000
MWRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2020 - \$224,636	\$224,636	\$225,000	\$0	\$0	\$449,636
MWRTA	440000	TECHNOLOGY SUPPORT/CAPITAL OUTREACH	2020 - \$150,000	\$150,000	\$180,000	\$0	\$0	\$330,000
PVTA	114402	Replace Northampton Maintenance Facility Bus Wash System, Year 2	2020 - \$88,000	\$88,000	\$22,000	\$0	\$0	\$110,000
PVTA	114406	Purchase/Replace Shop Equipment	2020 - \$120,000	\$120,000	\$30,000	\$0	\$0	\$150,000
PVTA	119402	Bus Shelters, Benches, Trash Receptacles	2020 - \$78,584	\$78,584	\$19,646	\$0	\$0	\$98,230
PVTA	119408	Bus Stop Signage and Lighting	2020 - \$16,000	\$16,000	\$4,000	\$0	\$0	\$20,000
PVTA	119406	Bicycle access equipment for buses and shelters	2020 - \$5,600	\$5,600	\$1,400	\$0	\$0	\$7,000
PVTA	440000	PLANNING	2020 - \$192,000	\$192,000	\$48,000	\$0	\$0	\$240,000
PVTA	300900	ADA OPERATING ASSISTANCE	2020 - \$1,252,302	\$1,252,302	\$313,075	\$0	\$0	\$1,565,377
PVTA	117A00	PREVENTIVE MAINTENANCE	2020 - \$8,250,000	\$8,250,000	\$0	\$1,650,000	\$0	\$8,250,000
PVTA	111202	Buy Replacement 40-FT Buses (15)	2020 - \$1,641,618	\$1,641,618	\$5,273,333	\$0	\$0	\$10,292,737
SRTA	111215	BUY REPLACEMENT VAN	2019 - \$48,000	\$48,000	\$12,000	\$0	\$0	\$60,000
SRTA	300901	UP TO 50% FEDERAL SHARE	2020 - \$5,380,765	\$5,380,765	\$5,741,233	\$0	\$0	\$11,121,998
SRTA	300900	ADA OPERATING ASSISTANCE	2019 - \$147,457; 2020 - \$12,543	\$160,000	\$40,000	\$0	\$0	\$200,000

2021 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
SRTA	117A00	PREVENTIVE MAINTENANCE	2019 - \$800,000	\$800,000	\$200,000	\$0	\$0	\$1,000,000
SRTA	442400	SHORT RANGE TRANSIT PLANNING	2020 - \$96,000	\$96,000	\$0	\$0	\$24,000	\$120,000
SRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2020 - \$8,000	\$8,000	\$2,000	\$0	\$0	\$10,000
SRTA	114220	ACQUIRE - Transit Enhancements	2020 - \$8,000	\$8,000	\$2,000	\$0	\$0	\$10,000
SRTA	114211	ACQUIRE - SUPPORT VEHICLES	2019 - \$32,000	\$32,000	\$8,000	\$0	\$0	\$40,000
SRTA	113407	REHAB/RENOVATE - BUS SURVEILL/SECURITY SYSTEM	2020 - \$20,601	\$20,601	\$5,150	\$0	\$0	\$25,751
SRTA	111202	BUY REPLACEMENT 35-FT BUS	2018 - \$217,522; 2019 - \$29,686	\$247,208	\$61,802	\$0	\$0	\$309,010
SRTA	111640	LEASE ASSOC CAP MAINT ITEMS	2018 - \$56,000; 2019 - \$19,309	\$75,309	\$19,000	\$0	\$0	\$94,309
SRTA	115204	PURCHASE VEHICLE LOCATOR SYSTEM	2018 - \$157,623; 2019 - \$128,417	\$286,040	\$71,510	\$0	\$0	\$357,550
WRTA	111201	BUY REPLACEMENT 40-FT BUS		\$3,034,051	\$0	\$606,810	\$0	\$3,034,051
WRTA	114211	ACQUIRE - SUPPORT VEHICLES		\$28,000	\$7,000	\$0	\$0	\$35,000
WRTA	111215	Miscellaneous Equipment		\$103,834	\$25,958	\$0	\$0	\$129,792
WRTA	119202	PURCHASE BUS SHELTERS		\$30,000	\$7,500	\$0	\$0	\$37,500
WRTA	119208	PURCHASE SIGNAGE		\$16,000	\$4,000	\$0	\$0	\$20,000
WRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$40,000	\$10,000	\$0	\$0	\$50,000
WRTA	111240	BUY ASSOC CAP MAINT ITEMS		\$549,630	\$137,408	\$0	\$0	\$687,038
WRTA	114207	ACQUIRE - ADP HARDWARE		\$20,000	\$5,000	\$0	\$0	\$25,000
WRTA	114208	ACQUIRE - ADP SOFTWARE		\$33,600	\$8,400	\$0	\$0	\$42,000
WRTA	113401	REHAB/RENOVATE - BUS TERMINAL		\$8,000	\$2,000	\$0	\$0	\$10,000
WRTA	300901	UP TO 50% FEDERAL SHARE		\$6,094,656	\$6,094,656	\$0	\$0	\$12,189,312
		Subtotal		\$218,661,092	\$35,196,453	\$2,256,810	\$41,305,880	\$298,541,211
5309								
MBTA	132303	Green Line Extension Project		\$100,000,000	\$0	\$0	\$100,000,000	\$200,000,000
		Subtotal		\$100,000,000	\$0	\$0	\$100,000,000	\$200,000,000
5310								
MassDOT	111200	Mobility Assistance Program		\$6,035,578	\$4,000,000	\$0	\$0	\$10,035,578
		Subtotal		\$6,035,578	\$4,000,000	\$0	\$0	\$10,035,578
5311								
MassDOT	300900	Rural Formula		\$3,749,029	\$0	\$0	\$3,749,029	\$7,498,058
NRTA	300900	Rural Operating Assistance		\$593,550	\$0	\$0	\$593,550	\$1,187,100
VTA	300901	UP TO 50% FEDERAL SHARE		\$1,500,000	\$1,500,000	\$0	\$0	\$3,000,000
		Subtotal		\$5,842,579	\$1,500,000	\$0	\$4,342,579	\$11,685,158
5337								
GATRA	123402	REHAB/RENOV - RAIL STATION	2018 - \$1,102,941	\$1,102,941	\$0	\$0	\$275,735	\$1,378,676

2021 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
MBTA	123400	Stations and Facilities Program - 5337		\$58,562,423	\$0	\$0	\$14,640,606	\$73,203,029
MBTA	124400	Signals/Systems Upgrade Program - 5337		\$77,532,813	\$0	\$0	\$19,383,203	\$96,916,016
MBTA	122405	5337 - Bridge & Tunnel Program		\$27,282,445	\$0	\$0	\$6,820,611	\$34,103,056
WRTA	113403	TERMINAL, INTERMODAL (TRANSIT)		\$2,494,589	\$0	\$0	\$623,647	\$3,118,236
		Subtotal		\$166,975,211	\$0	\$0	\$41,743,802	\$208,719,013
5339								
BRTA	111202	BUY REPLACEMENT 30-FT BUS (1) Fixed Route (5339)		\$349,531	\$87,383	\$0	\$0	\$436,914
BRTA	111204	BUY REPLACEMENT <30 FT BUS (2) Fixed Route (5339)		\$153,798	\$38,450	\$0	\$0	\$192,248
CCRTA	114207	ACQUIRE - ADP HARDWARE	2018 - \$22,240	\$22,240	\$5,560	\$0	\$0	\$27,800
CCRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2018 - \$56,000	\$56,000	\$14,000	\$0	\$0	\$70,000
CCRTA	111203	BUY REPLACEMENT 30-FT BUS (Assumes allocation of Statewide 5339 funds)		\$1,206,371	\$0	\$301,593	\$0	\$1,206,371
FRTA	114302	CONSTRUCT - MAINTENANCE FACILITY		\$2,000,000	\$800,000	\$0	\$0	\$2,800,000
MART	113403	TERMINAL, INTERMODAL (TRANSIT)		\$400,000	\$100,000	\$0	\$0	\$500,000
MART	114401	REHAB/RENOVATE - ADMINISTRATIVE FACILITY		\$320,000	\$80,000	\$0	\$0	\$400,000
MassDOT	111200	Bus and Bus Facilities (Statewide)		\$1,721,158	\$0	\$0	\$430,290	\$2,151,448
MBTA	111400	Bus Program - 5339		\$6,724,903	\$0	\$0	\$1,681,226	\$8,406,129
SRTA	111202	BUY REPLACEMENT 35-FT BUS	2018 - \$143,698; 2019 - \$145,853; 2020 - \$764,800	\$1,202,392	\$300,598	\$0	\$0	\$1,502,990
WRTA	111201	BUY REPLACEMENT 40-FT BUS		\$475,475	\$0	\$95,095	\$0	\$475,475
		Subtotal		\$14,631,868	\$1,425,991	\$396,688	\$2,111,516	\$18,169,375
Other Federal								
MBTA	126301	PTC - RRIF/TIFIA Financing		\$354,451,665	\$0	\$0	\$88,612,916	\$443,064,581
PVTA	116202	Information Technology Systems	2020 - \$1,104,748	\$953,018	\$719,130	\$0	\$0	\$2,776,896
PVTA	111201	Buy Replacement 35-FT Buses (10)	2020 - \$1,260,415; 2020 - \$1,641,618	\$3,169,096	\$4,091,835	\$0	\$0	\$10,162,964
		Subtotal		\$358,573,779	\$4,810,965	\$0	\$88,612,916	\$456,004,441
Other Non-Federal								
CATA	111203	Replace 30' buses/trolleys (1)		\$0	\$500,000	\$0	\$0	\$500,000
CATA	111240	BUY ASSOC CAP MAINT ITEMS		\$0	\$15,000	\$0	\$0	\$15,000
FRTA	114220	On board AVL/CAD tablets - 25		\$0	\$12,500	\$0	\$0	\$12,500
FRTA	111240	BUY ASSOC CAP MAINT ITEMS		\$0	\$15,000	\$0	\$0	\$15,000
FRTA	114102	ENG/DESIGN - MAINT FACILITY		\$0	\$500,000	\$0	\$0	\$500,000
FRTA	114406	REHAB/RENOVATE - SHOP EQUIPMENT		\$0	\$10,000	\$0	\$0	\$10,000
GATRA	111215	BUY REPLACEMENT VAN - 5		\$0	\$0	\$0	\$390,000	\$390,000

2021 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
GATRA	114402	REHAB/RENOVATE - East MAINTENANCE FACILITY		\$0	\$300,000	\$0	\$1,200,000	\$1,500,000
MassDOT	900000	Transit Technical Assistance		\$0	\$2,000,000	\$0	\$0	\$2,000,000
MassDOT	440000	RTA Planning Assistance		\$0	\$1,700,000	\$0	\$0	\$1,700,000
MassDOT	112220	RTA: Facility and System Modernization		\$0	\$6,971,723	\$0	\$0	\$6,971,723
NRTA	114420	REHAB/RENOVATE - MISC SUPPORT EQUIPMENT		\$0	\$60,000	\$0	\$0	\$60,000
NRTA	111204	BUY REPLACEMENT <30 FT BUS		\$0	\$920,000	\$0	\$0	\$920,000
NRTA	1000002	PREVENTIVE MAINTENANCE		\$0	\$25,000	\$0	\$0	\$25,000
NRTA	116403	REHAB/RENOV RADIOS		\$0	\$5,000	\$0	\$0	\$5,000
NRTA	995000	TRAVELER INFORMATION		\$0	\$51,200	\$0	\$0	\$51,200
NRTA	114407	REHAB/RENOVATE - ADP HARDWARE		\$0	\$15,000	\$0	\$0	\$15,000
NRTA	114306	CONSTRUCT - SHOP EQUIPMENT		\$0	\$10,000	\$0	\$0	\$10,000
PVTA	114401	Administration Building - Slate Roof Restoration		\$0	\$40,000	\$0	\$0	\$40,000
PVTA	116100	Robbins Road Intersection Design - Yr 3		\$0	\$40,000	\$0	\$0	\$40,000
VTa	113310	CONSTRUCT - BUS PASSENGER SHELTERS		\$0	\$50,000	\$0	\$0	\$50,000
VTa	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$0	\$100,000	\$0	\$0	\$100,000
VTa	111400	REHAB/REBUILD - CAPITOL BUS		\$0	\$50,000	\$0	\$0	\$50,000
VTa	111202	BUY REPLACEMENT 35-FT BUS		\$0	\$450,000	\$0	\$0	\$450,000
VTa	111201	BUY REPLACEMENT 40-FT BUS (2)		\$0	\$920,000	\$0	\$0	\$920,000
VTa	113209	ACQUIRE - BUS ROUTE SIGNING		\$0	\$20,000	\$0	\$0	\$20,000
VTa	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		\$0	\$25,000	\$0	\$0	\$25,000
VTa	111215	BUY REPLACEMENT VAN		\$0	\$78,000	\$0	\$0	\$78,000
VTa	111215	BUY REPLACEMENT VAN		\$0	\$80,000	\$0	\$0	\$80,000
		Subtotal		\$0	\$14,963,423	\$0	\$1,590,000	\$16,553,423
		Total		\$870,720,107	\$61,896,832	\$2,653,498	\$279,706,693	\$1,219,708,199

2022 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307								
BAT	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2020 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
BAT	114211	ACQUIRE - REPLACEMENT SUPPORT VEHICLE (1)	2020 - \$36,000	\$36,000	\$9,000	\$0	\$0	\$45,000
BAT	114402	ACQUIRE REPLACEMENT MAINTENANCE FACILITY ROOF	2020 - \$320,000	\$320,000	\$80,000	\$0	\$0	\$400,000
BAT	300901	OPERATING ASSISTANCE - Operating/PM/ADA	2020 - \$869,422; 2021 - \$1,630,578	\$2,500,000	\$2,500,000	\$0	\$0	\$5,000,000
BAT	111201	BUY REPLACEMENT 40-FT BUS (3)		\$1,272,000	\$318,000	\$0	\$0	\$1,590,000
BAT	113403	TERMINAL, INTERMODAL (TRANSIT) - Pavement Management	2020 - \$200,000	\$200,000	\$50,000	\$0	\$0	\$250,000
BAT	111240	BUY ASSOC CAP MAINT ITEMS	2020 - \$100,000	\$100,000	\$25,000	\$0	\$0	\$125,000
BAT	119202	PURCHASE BUS SHELTERS	2020 - \$64,000	\$64,000	\$16,000	\$0	\$0	\$80,000
BRTA	1000002	PREVENTIVE MAINTENANCE		\$120,000	\$30,000	\$0	\$0	\$150,000
BRTA	114206	ACQUIRE - SHOP EQUIPMENT		\$20,000	\$5,000	\$0	\$0	\$25,000
BRTA	114403	SECURITY		\$20,000	\$5,000	\$0	\$0	\$25,000
BRTA	113402	REHAB/RENOVATE - BUS STATION-BUS DECK		\$130,000	\$20,000	\$0	\$0	\$150,000
CATA	117A00	PREVENTIVE MAINTENANCE	2021 - \$285,000	\$285,000	\$0	\$0	\$71,250	\$356,250
CATA	114206	ACQUIRE - SHOP EQUIPMENT	2021 - \$55,000	\$55,000	\$13,750	\$0	\$0	\$68,750
CCRTA	117L00	MOBILITY MANAGEMENT	2021 - \$886,106	\$1,306,348	\$326,588	\$0	\$0	\$1,632,936
CCRTA	117C00	NON FIXED ROUTE ADA PARA SERV	2021 - \$575,991	\$575,991	\$143,997	\$0	\$0	\$719,988
CCRTA	300900	OPERATING ASSISTANCE	2021 - \$600,000	\$600,000	\$600,000	\$0	\$0	\$1,200,000
CCRTA	117A00	PREVENTIVE MAINTENANCE	2020 - \$5,195,550	\$5,195,550	\$1,298,887	\$0	\$0	\$6,494,437
CCRTA	111204	BUY REPLACEMENT <30 FT BUS	2020 - \$196,692	\$196,692	\$49,173	\$0	\$0	\$245,865
GATRA	442400	SHORT RANGE TRANSIT PLANNING		\$80,000	\$20,000	\$0	\$0	\$100,000
GATRA	117A00	PREVENTIVE MAINTENANCE		\$2,800,000	\$700,000	\$0	\$0	\$3,500,000
GATRA	300901	OPERATING ASSISTANCE		\$600,000	\$600,000	\$0	\$0	\$1,200,000
GATRA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$60,000	\$15,000	\$0	\$0	\$75,000
GATRA	117C00	NON FIXED ROUTE ADA PARA SERV		\$1,200,000	\$300,000	\$0	\$0	\$1,500,000
GATRA	111204	BUY REPLACEMENT <30 FT BUS - 3		\$300,000	\$0	\$0	\$75,000	\$375,000
GATRA	111215	BUY REPLACEMENT VAN - 5		\$260,000	\$0	\$0	\$65,000	\$325,000
LRTA	300901	UP TO 50% FEDERAL SHARE	2021 - \$2,237,927	\$2,237,927	\$3,229,737	\$0	\$3,157,384	\$8,625,048
LRTA	117A00	PREVENTIVE MAINTENANCE 2022	2021 - \$1,514,277	\$1,514,277	\$378,569	\$0	\$0	\$1,892,846
LRTA	442400	SHORT RANGE TRANSIT PLANNING 2022	2021 - \$88,000	\$88,000	\$0	\$0	\$22,000	\$110,000
LRTA	111240	BUY ASSOC CAP SPARE PARTS 2022	2021 - \$65,000	\$65,000	\$65,000	\$0	\$0	\$130,000
LRTA	114220	Terminal & Building Equipment and Maintenance	2021 - \$206,339	\$320,000	\$80,000	\$0	\$0	\$400,000
LRTA	111215	BUY REPLACEMENT FIXED ROUTE VANS (2)		\$240,000	\$60,000	\$0	\$0	\$300,000
MART	119202	PURCHASE BUS SHELTERS		\$16,000	\$4,000	\$0	\$0	\$20,000
MART	111215	BUY REPLACEMENT VAN		\$276,000	\$69,000	\$0	\$0	\$345,000
MART	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$64,000	\$16,000	\$0	\$0	\$80,000
MART	114401	REHAB/RENOVATE - ADMINISTRATIVE FACILITY		\$100,000	\$25,000	\$0	\$0	\$125,000
MART	111204	BUY REPLACEMENT <30 FT BUS (3)		\$200,000	\$50,000	\$0	\$0	\$250,000
MART	300901	UP TO 50% FEDERAL SHARE		\$2,000,000	\$2,000,000	\$0	\$0	\$4,000,000
MART	117C00	NON FIXED ROUTE ADA PARA SERV		\$250,000	\$62,500	\$0	\$0	\$312,500
MART	119401	REHAB/RENOV HISTORIC MASS TRANSP BLDGS (INCL. OPS)		\$24,000	\$6,000	\$0	\$0	\$30,000
MBTA	121200	Revenue Vehicle Program - 5307		\$125,352,526	\$0	\$0	\$31,338,132	\$156,690,658

2022 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
MVRTA	117A00	PREVENTIVE MAINTENANCE		\$2,889,070	\$722,265	\$0	\$0	\$3,611,335
MVRTA	117C00	NON FIXED ROUTE ADA PARA SERV		\$1,441,305	\$360,325	\$0	\$0	\$1,801,630
MVRTA	442400	SHORT RANGE TRANSIT PLANNING		\$80,000	\$0	\$0	\$20,000	\$100,000
MVRTA	300901	OPERATING ASSISTANCE		\$468,130	\$468,130	\$0	\$0	\$936,260
MVRTA	111202	Replace Model Yr 2009 buses delivery 2022 7of 9		\$2,734,145	\$683,535	\$0	\$0	\$3,417,680
MVRTA	114211	SGR Replace 2 model year 2016 supervisory vehicles		\$78,190	\$19,550	\$0	\$0	\$97,740
		TERMINAL, INTERMODAL (TRANSIT) - Framingham						
MWRTA	113403	Commuter Rail Station (FCRS)	2021 - \$137,500	\$137,500	\$175,000	\$0	\$0	\$312,500
MWRTA	117C00	NON FIXED ROUTE ADA PARA SERV	2021 - \$1,600,000	\$1,600,000	\$400,000	\$0	\$0	\$2,000,000
MWRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2021 - \$224,775	\$224,775	\$225,000	\$0	\$0	\$449,775
MWRTA	113403	TERMINAL, INTERMODAL (TRANSIT) - BLANDIN	2021 - \$375,813	\$375,813	\$225,000	\$0	\$0	\$600,813
MWRTA	440000	TECHNOLOGY SUPPORT/CAPITAL OUTREACH	2021 - \$162,500	\$162,500	\$180,000	\$0	\$0	\$342,500
PVTA	114402	Replace Bus Wash System at UMTS	2021 - \$750,000	\$750,000	\$250,000	\$0	\$0	\$1,000,000
PVTA	114406	Purchase shop equipment	2021 - \$120,000	\$120,000	\$30,000	\$0	\$0	\$150,000
PVTA	114211	Purchase replacement support vehicles (1)	2021 - \$24,000	\$24,000	\$24,000	\$0	\$0	\$48,000
PVTA	114411	Replace Supervisory Vehicles (1)	2021 - \$12,500	\$12,500	\$12,500	\$0	\$0	\$25,000
PVTA	114402	Environmental Compliance	2021 - \$20,000	\$20,000	\$5,000	\$0	\$0	\$25,000
PVTA	119402	Purchase Shelters and shelter accessories	2021 - \$80,668	\$80,668	\$20,167	\$0	\$0	\$100,835
PVTA	119408	Signage & Lighting	2021 - \$16,000	\$16,000	\$4,000	\$0	\$0	\$20,000
PVTA	119406	Bike Access for shelters and Buses	2021 - \$5,600	\$5,600	\$1,400	\$0	\$0	\$7,000
PVTA	116202	Information Technology Systems	2021 - \$200,378	\$200,378	\$324,343	\$502,506	\$0	\$2,534,745
PVTA	117A00	Preventive Maintenance	2021 - \$8,375,000	\$8,375,000	\$0	\$1,675,000	\$0	\$8,375,000
PVTA	117C00	NON FIXED ROUTE ADA PARA SERV	2021 - \$1,278,350	\$1,278,350	\$319,587	\$0	\$0	\$1,597,937
PVTA	442301	LONGTERM TRANS PLAN - SYSTEM LEVEL	2021 - \$196,000	\$196,000	\$49,000	\$0	\$0	\$245,000
PVTA	114402	Northampton - Replace Bus Wash System - Yr 2	2021 - \$880,000	\$880,000	\$220,000	\$0	\$0	\$1,100,000
SRTA	111215	BUY REPLACEMENT VAN	2020 - \$56,000	\$56,000	\$14,000	\$0	\$0	\$70,000
SRTA	300900	ADA OPERATING ASSISTANCE	2020 - \$200,000	\$200,000	\$50,000	\$0	\$0	\$250,000
SRTA	117A00	PREVENTIVE MAINTENANCE	2020 - \$800,000	\$800,000	\$200,000	\$0	\$0	\$1,000,000
SRTA	300901	UP TO 50% FEDERAL SHARE	2019 - \$5,993,300	\$5,993,300	\$5,993,300	\$0	\$0	\$11,986,600
SRTA	442400	SHORT RANGE TRANSIT PLANNING	2020 - \$96,000	\$96,000	\$0	\$0	\$24,000	\$120,000
SRTA	114220	ACQUIRE - Transit Enhancements	2020 - \$8,000	\$8,000	\$2,000	\$0	\$0	\$10,000
SRTA	114211	ACQUIRE - SUPPORT VEHICLES	2020 - \$40,000	\$40,000	\$10,000	\$0	\$0	\$50,000
SRTA	115204	PURCHASE VEHICLE LOCATOR SYSTEM	2020 - \$328,000	\$328,000	\$82,000	\$0	\$0	\$410,000
			2020 - \$172,324; 2021 -					
SRTA	111202	BUY REPLACEMENT 35-FT BUS (5)	\$1,027,676	\$1,200,000	\$300,000	\$0	\$0	\$1,500,000
SRTA	111640	LEASE ASSOC CAP MAINT ITEMS	2020 - \$72,000	\$72,000	\$18,000	\$0	\$0	\$90,000
WRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$41,200	\$10,300	\$0	\$0	\$51,500
WRTA	111201	BUY REPLACEMENT 40-FT BUS		\$3,169,678	\$0	\$633,936	\$0	\$3,169,678
WRTA	114211	ACQUIRE - SUPPORT VEHICLES		\$28,000	\$7,000	\$0	\$0	\$35,000
WRTA	111215	MISCELLANEOUS EQUIPMENT		\$107,987	\$26,997	\$0	\$0	\$134,984
WRTA	111240	BUY ASSOC CAP MAINT ITEMS		\$557,058	\$139,265	\$0	\$0	\$696,323
WRTA	114207	ACQUIRE - ADP HARDWARE		\$20,000	\$5,000	\$0	\$0	\$25,000
WRTA	114208	ACQUIRE - ADP SOFTWARE		\$20,000	\$5,000	\$0	\$0	\$25,000
WRTA	119402	BUS SHELTERS		\$30,000	\$7,500	\$0	\$0	\$37,500
WRTA	119208	PURCHASE SIGNAGE		\$16,000	\$4,000	\$0	\$0	\$20,000
WRTA	113401	REHAB/RENOVATE - BUS TERMINAL		\$8,000	\$2,000	\$0	\$0	\$10,000

2022 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
WRTA	300901	UP TO 50% FEDERAL SHARE		\$6,277,496	\$6,277,496	\$0	\$0	\$12,554,992
			Subtotal	\$192,342,954	\$31,063,861	\$2,811,442	\$34,772,766	\$260,189,605
5309								
MBTA	133302	Green Line Extension		\$46,121,000	\$0	\$0	\$46,121,000	\$92,242,000
			Subtotal	\$46,121,000	\$0	\$0	\$46,121,000	\$92,242,000
5310								
MassDOT	111200	Mobility Assistance Program		\$6,035,578	\$4,000,000	\$0	\$0	\$10,035,578
			Subtotal	\$6,035,578	\$4,000,000	\$0	\$0	\$10,035,578
5311								
MassDOT	300900	Rural Formula		\$3,749,029	\$0	\$0	\$3,749,029	\$7,498,058
NRTA	300900	Rural Operating Assistance		\$605,955	\$0	\$0	\$605,955	\$1,211,910
VTA	300901	UP TO 50% FEDERAL SHARE		\$1,500,000	\$1,500,000	\$0	\$0	\$3,000,000
			Subtotal	\$5,854,984	\$1,500,000	\$0	\$4,354,984	\$11,709,968
5337								
GATRA	123402	REHAB/RENOV - RAIL STATION	2019 - \$996,235	\$996,235	\$0	\$0	\$249,059	\$1,245,294
MBTA	122405	Bridge & Tunnel Program - 5337		\$27,748,975	\$0	\$0	\$6,937,244	\$34,686,219
MBTA	123400	Stations and Facilities Program - 5337		\$59,563,840	\$0	\$0	\$14,890,960	\$74,454,800
MBTA	126301	Signals/Systems Upgrade Program - 5337		\$78,858,624	\$0	\$0	\$19,714,656	\$98,573,280
MBTA	126301	5307 - Signals/Systems Upgrade Program		\$29,300,598	\$0	\$0	\$7,325,150	\$36,625,748
WRTA	113403	TERMINAL, INTERMODAL (TRANSIT)		\$2,519,535	\$0	\$0	\$629,884	\$3,149,419
			Subtotal	\$198,987,807	\$0	\$0	\$49,746,953	\$248,734,760
5339								
CCRTA	119202	PURCHASE BUS SHELTERS	2018 - \$60,800	\$60,800	\$15,200	\$0	\$0	\$76,000
CCRTA	114207	ACQUIRE - ADP HARDWARE	2018 - \$19,840	\$19,840	\$4,960	\$0	\$0	\$24,800
CCRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2018 - \$60,000	\$60,000	\$15,000	\$0	\$0	\$75,000
CCRTA	111203	BUY REPLACEMENT 30-FT BUS (Assumes allocation of Statewide 5339 funds)		\$1,242,561	\$0	\$310,640	\$0	\$1,242,561
MassDOT	111200	Bus and Bus Facilities (Statewide)		\$1,721,158	\$0	\$0	\$430,290	\$2,151,448
MBTA	111400	Bus Program - 5339		\$6,839,898	\$0	\$0	\$1,709,975	\$8,549,873
PVTA	111215	Purchase Replacement Vans (15)	2021 - \$863,263	\$863,263	\$251,695	\$0	\$0	\$1,114,958
WRTA	111201	BUY REPLACEMENT 40-FT BUS		\$480,230	\$0	\$96,046	\$0	\$480,230
			Subtotal	\$11,287,750	\$286,855	\$406,686	\$2,140,265	\$13,714,870
Other Federal								
PVTA	111201	Purchase 40' Replacement Buses (15)	2021 - \$4,087,272	\$4,087,272	\$5,450,227	\$0	\$0	\$9,537,499
PVTA	111202	Replace 35' Buses (10)	2021 - \$2,500,000	\$3,308,076	\$1,416,936	\$0	\$0	\$7,225,012
			Subtotal	\$7,395,348	\$6,867,163	\$0	\$0	\$16,762,511
Other Non-Federal								
CATA	111240	BUY ASSOC CAP MAINT ITEMS		\$0	\$15,000	\$0	\$0	\$15,000
FRTA	111204	BUY REPLACEMENT <30 FT BUS		\$0	\$645,000	\$0	\$0	\$645,000
FRTA	111240	BUY ASSOC CAP MAINT ITEMS		\$0	\$15,000	\$0	\$0	\$15,000
FRTA	114406	REHAB/RENOVATE - SHOP EQUIPMENT		\$0	\$10,000	\$0	\$0	\$10,000
MassDOT	900000	Transit Technical Assistance		\$0	\$2,000,000	\$0	\$0	\$2,000,000
MassDOT	112220	RTA: Facility and System Modernization		\$0	\$20,296,485	\$0	\$0	\$20,296,485
MassDOT	440000	RTA Planning Assistance		\$0	\$2,000,000	\$0	\$0	\$2,000,000
NRTA	111204	BUY REPLACEMENT <30 FT BUS		\$0	\$470,000	\$0	\$0	\$470,000
NRTA	995000	TRAVELER INFORMATION		\$0	\$51,200	\$0	\$0	\$51,200

2022 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
NRTA	119308	CONSTRUCT SIGNAGE		\$0	\$3,000	\$0	\$0	\$3,000
NRTA	1000002	PREVENTIVE MAINTENANCE		\$0	\$25,000	\$0	\$0	\$25,000
NRTA	114311	CONSTRUCT - SUPPORT VEHICLES		\$0	\$85,000	\$0	\$0	\$85,000
NRTA	114306	CONSTRUCT - SHOP EQUIPMENT		\$0	\$15,000	\$0	\$0	\$15,000
VTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$0	\$490,000	\$0	\$0	\$490,000
VTA	113310	CONSTRUCT - BUS PASSENGER SHELTERS		\$0	\$50,000	\$0	\$0	\$50,000
VTA	113209	ACQUIRE - BUS ROUTE SIGNING		\$0	\$20,000	\$0	\$0	\$20,000
VTA	111400	REHAB/REBUILD - CAPITOL BUS		\$0	\$50,000	\$0	\$0	\$50,000
VTA	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		\$0	\$35,000	\$0	\$0	\$35,000
VTA	113210	ACQUIRE - BUS PASSENGER SHELTERS		\$0	\$50,000	\$0	\$0	\$50,000
VTA	111203	BUY REPLACEMENT 30-FT BUS		\$0	\$500,000	\$0	\$0	\$500,000
VTA	111215	BUY REPLACEMENT VAN		\$0	\$80,000	\$0	\$0	\$80,000
VTA	111202	BUY REPLACEMENT 35-FT BUS (1)		\$0	\$450,000	\$0	\$0	\$450,000
		Subtotal		\$0	\$27,355,685	\$0	\$0	\$27,355,685
		Total		\$468,025,421	\$71,073,564	\$3,218,128	\$137,135,968	\$680,744,977

2023 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307								
BAT	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2021 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
BAT	114211	ACQUIRE - (1) SUPPORT VEHICLES	2021 - \$36,000	\$36,000	\$9,000	\$0	\$0	\$45,000
BAT	111202	BUY REPLACEMENT 35-FT BUS (6)		\$2,720,000	\$680,000	\$0	\$0	\$3,400,000
BAT	300900	OPERATING ASSISTANCE - Operating/PM/ADA	2022 - \$2,500,000	\$2,500,000	\$2,500,000	\$0	\$0	\$5,000,000
BAT	111340	BUY ASSOC CAP MAINT ITEMS	2021 - \$100,000	\$100,000	\$25,000	\$0	\$0	\$125,000
BRTA	1000002	PREVENTIVE MAINTENANCE		\$120,000	\$30,000	\$0	\$0	\$150,000
BRTA	114211	SUPPORT VEHICLES plow truck		\$52,000	\$13,000	\$0	\$0	\$65,000
BRTA	111204	BUY REPLACEMENT <30 FT BUS 3 Fixed Route Mini Buses		\$230,698	\$57,674	\$0	\$0	\$288,372
CATA	117A00	PREVENTIVE MAINTENANCE	2022 - \$285,000	\$285,000	\$0	\$0	\$71,250	\$356,250
			2019 - \$175,000; 2020 - \$175,000; 2021 - \$175,000; 2022 - \$175,000					
CATA	111203	Replace Two 30-FT BUS		\$700,000	\$175,000	\$0	\$0	\$875,000
CATA	114403	Rehab/Reno-repave parking lot (match in 24)		\$80,000	\$0	\$0	\$0	\$80,000
CCRTA	114207	ACQUIRE - ADP HARDWARE	2022 - \$24,960	\$24,960	\$6,240	\$0	\$0	\$31,200
CCRTA	442400	SHORT RANGE TRANSIT PLANNING	2021 - \$40,000	\$40,000	\$10,000	\$0	\$0	\$50,000
CCRTA	114401	REHAB/RENOVATE - ADMINISTRATIVE FACILITY	2021 - \$80,000	\$80,000	\$20,000	\$0	\$0	\$100,000
CCRTA	111204	BUY REPLACEMENT <30 FT BUS	2022 - \$196,692	\$196,692	\$49,173	\$0	\$0	\$245,865
CCRTA	117L00	MOBILITY MANAGEMENT	2020 - \$286,373	\$286,373	\$333,119	\$0	\$0	\$619,492
CCRTA	117C00	NON FIXED ROUTE ADA PARA SERV	2022 - \$587,511	\$587,511	\$146,877	\$0	\$0	\$734,388
CCRTA	300901	UP TO 50% FEDERAL SHARE	2022 - \$600,000	\$600,000	\$600,000	\$0	\$0	\$1,200,000
			2020 - \$1,172,692;					
CCRTA	117A00	PREVENTIVE MAINTENANCE	2021 - \$4,126,769	\$5,299,461	\$1,324,865	\$0	\$0	\$6,624,326
GATRA	442400	SHORT RANGE TRANSIT PLANNING		\$80,000	\$20,000	\$0	\$0	\$100,000
GATRA	117A00	PREVENTIVE MAINTENANCE		\$2,800,000	\$700,000	\$0	\$0	\$3,500,000
GATRA	300901	OPERATING ASSISTANCE		\$600,000	\$600,000	\$0	\$0	\$1,200,000
GATRA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$60,000	\$15,000	\$0	\$0	\$75,000
GATRA	117C00	NON FIXED ROUTE ADA PARA SERV		\$1,200,000	\$300,000	\$0	\$0	\$1,500,000
GATRA	111204	BUY REPLACEMENT <30 FT BUS (3)		\$300,000	\$0	\$0	\$75,000	\$375,000
GATRA	111215	BUY REPLACEMENT VAN (5)		\$260,000	\$0	\$0	\$65,000	\$325,000
LRTA	114220	Terminal& Building Equipment and Maintenance		\$100,000	\$100,000	\$0	\$0	\$200,000
LRTA	111240	BUY CAP MAINT ITEMS (ITS EQUIPMENT)		\$7,500	\$1,875	\$0	\$0	\$9,375
LRTA	111215	BUY REPLACEMENT FIXED ROUTE 35FT BUS (2)		\$513,000	\$128,250	\$0	\$0	\$641,250
LRTA	300901	OPERATING ASSISTANCE 2023	2022 - \$2,160,686	\$2,219,309	\$3,165,932	\$0	\$3,236,319	\$8,621,560
LRTA	117A00	PREVENTIVE MAINTENANCE 2023	2022 - \$1,769,497	\$1,769,497	\$442,374	\$0	\$0	\$2,211,871
LRTA	442400	SHORT RANGE TRANSIT PLANNING 2023		\$88,000	\$0	\$0	\$22,000	\$110,000
LRTA	111240	BUY ASSOC CAP MAINT ITEMS (SPARE PARTS)		\$65,000	\$16,250	\$0	\$0	\$81,250
MART	111215	BUY REPLACEMENT VAN		\$280,000	\$70,000	\$0	\$0	\$350,000
MART	114401	REHAB/RENOVATE - ADMINISTRATIVE FACILITY		\$40,000	\$10,000	\$0	\$0	\$50,000
MART	300901	UP TO 50% FEDERAL SHARE		\$2,000,000	\$2,000,000	\$0	\$0	\$4,000,000
MART	117C00	NON FIXED ROUTE ADA PARA SERV		\$250,000	\$62,500	\$0	\$0	\$312,500
MART	113404	REHAB/RENOVATE - BUS PARK & RIDE LOT		\$200,000	\$50,000	\$0	\$0	\$250,000
MART	113404	REHAB/RENOVATE - BUS PARK & RIDE LOT		\$200,000	\$50,000	\$0	\$0	\$250,000
MART	114420	REHAB/RENOVATE - MISC SUPPORT EQUIPMENT		\$208,000	\$52,000	\$0	\$0	\$260,000

2023 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
MBTA	126301	5307 - Signals/Systems Upgrade Program		\$29,801,639	\$0	\$0	\$7,450,410	\$37,252,049
MBTA	121200	5307 - Revenue Vehicle Program		\$127,496,055	\$0	\$0	\$31,874,014	\$159,370,069
MVRTA	117A00	PREVENTIVE MAINTENANCE		\$2,984,410	\$746,100	\$0	\$0	\$3,730,510
MVRTA	300901	OPERATING ASSISTANCE		\$483,575	\$483,575	\$0	\$0	\$967,150
MVRTA	117C00	NON FIXED ROUTE ADA PARA SERV		\$1,488,870	\$372,220	\$0	\$0	\$1,861,090
MVRTA	111202	Replace 2 Model Yr 2009 buses delivery 2023		\$804,625	\$201,155	\$0	\$0	\$1,005,780
MVRTA	111215	Replace 6 model yr 2017 vans delivery 2023		\$375,695	\$93,925	\$0	\$0	\$469,620
MVRTA	442400	SHORT RANGE TRANSIT PLANNING		\$80,000	\$0	\$0	\$20,000	\$100,000
MWRTA	113403	TERMINAL, INTERMODAL (TRANSIT) - Framingham Commuter Rail Station (FCRS)	2022 - \$155,000	\$155,000	\$175,000	\$0	\$0	\$330,000
MWRTA	117C00	NON FIXED ROUTE ADA PARA SERV	2022 - \$1,600,000	\$1,600,000	\$400,000	\$0	\$0	\$2,000,000
MWRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2022 - \$225,000	\$225,000	\$225,000	\$0	\$0	\$450,000
MWRTA	440000	TECHNOLOGY SUPPORT/CAPITAL OUTREACH	2022 - \$172,600	\$172,600	\$180,000	\$0	\$0	\$352,600
MWRTA	113403	TERMINAL, INTERMODAL (TRANSIT) - BLANDIN	2022 - \$400,000	\$400,000	\$225,000	\$0	\$0	\$625,000
PVTA	111201	Purchase 40' Replacement Buses (15)	2022 - \$1,509,406; 2022 - \$2,879,442	\$1,509,406	\$5,697,063	\$0	\$0	\$10,085,911
PVTA	111402	REHAB/RENOVATE - Environmental Compliance	2022 - \$20,000	\$20,000	\$5,000	\$0	\$0	\$25,000
PVTA	119302	Purchase Bus Shelters, benches, trash receptacles, etc.	2022 - \$82,795	\$82,795	\$20,699	\$0	\$0	\$103,494
PVTA	119306	Purchase and replace bicycle equipment for shelters and buses	2022 - \$5,600	\$5,600	\$1,400	\$0	\$0	\$7,000
PVTA	119308	Purchase & Replace signage and lighting	2022 - \$16,000	\$16,000	\$4,000	\$0	\$0	\$20,000
PVTA	114402	NTF rehabs: bathrooms, bays, ceilings, MEP upgrades, IT Room, etc.	2022 - \$704,000	\$704,000	\$176,000	\$0	\$0	\$880,000
PVTA	442400	Transporation planning	2022 - \$196,000	\$196,000	\$49,000	\$0	\$0	\$245,000
PVTA	117C00	ADA service subsidy	2022 - \$1,304,939	\$1,304,939	\$326,235	\$0	\$0	\$1,631,174
PVTA	117A00	Preventive Maintenance		\$8,375,000	\$0	\$1,675,000	\$0	\$8,375,000
PVTA	114402	UMTS MEP updgades, restrooms, administration	2022 - \$280,000	\$280,000	\$70,000	\$0	\$0	\$350,000
PVTA	114401	Admin Building- Replace roof mounted HVAC		\$360,000	\$90,000	\$0	\$0	\$450,000
SRTA	442400	SHORT RANGE TRANSIT PLANNING	2021 - \$96,000	\$96,000	\$0	\$0	\$24,000	\$120,000
SRTA	300900	ADA OPERATING ASSISTANCE	2021 - \$200,000	\$200,000	\$50,000	\$0	\$0	\$250,000
SRTA	114207	ACQUIRE - ADP HARDWARE / Software	2021 - \$625,497; 2022 - \$12,543	\$638,040	\$159,510	\$0	\$0	\$797,550
SRTA	117A00	PREVENTIVE MAINTENANCE	2021 - \$800,000	\$800,000	\$200,000	\$0	\$0	\$1,000,000
SRTA	300901	UP TO 50% FEDERAL SHARE	2021 - \$4,273,645; 2022 - \$1,985,432	\$6,259,077	\$5,993,300	\$0	\$0	\$12,252,377
SRTA	114211	ACQUIRE - SUPPORT VEHICLES	2021 - \$44,000	\$44,000	\$11,000	\$0	\$0	\$55,000
SRTA	111215	BUY REPLACEMENT VAN	2021 - \$60,000	\$60,000	\$15,000	\$0	\$0	\$75,000
SRTA	111202	BUY REPLACEMENT 35-FT BUS (2.55)	2021 - \$1,777,222	\$1,777,222	\$444,306	\$0	\$0	\$2,221,528
SRTA	111640	LEASE ASSOC CAP MAINT ITEMS	2021 - \$72,000	\$72,000	\$18,000	\$0	\$0	\$90,000
SRTA	114220	ACQUIRE - Transit Enhancements	2020 - \$8,000	\$8,000	\$2,000	\$0	\$0	\$10,000
WRTA	111201	BUY REPLACEMENT 40-FT BUS (6)		\$3,943,525	\$0	\$788,705	\$0	\$3,943,525
WRTA	114211	ACQUIRE - SUPPORT VEHICLES		\$88,000	\$22,000	\$0	\$0	\$110,000
WRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$44,301	\$11,075	\$0	\$0	\$55,376
WRTA	111215	MISCELLANEOUS EQUIPMENT		\$121,666	\$30,416	\$0	\$0	\$152,082
WRTA	111240	BUY ASSOC CAP MAINT ITEMS		\$206,028	\$51,507	\$0	\$0	\$257,535

2023 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
WRTA	114207	ACQUIRE - ADP HARDWARE		\$20,000	\$5,000	\$0	\$0	\$25,000
WRTA	114208	ACQUIRE - ADP SOFTWARE		\$20,000	\$5,000	\$0	\$0	\$25,000
WRTA	119202	PURCHASE BUS SHELTERS		\$30,000	\$7,500	\$0	\$0	\$37,500
WRTA	119208	PURCHASE SIGNAGE		\$16,000	\$4,000	\$0	\$0	\$20,000
WRTA	113401	REHAB/RENOVATE - BUS TERMINAL		\$12,000	\$3,000	\$0	\$0	\$15,000
WRTA	300901	UP TO 50% FEDERAL SHARE		\$6,465,821	\$6,465,821	\$0	\$0	\$12,931,642
		Subtotal		\$227,101,890	\$36,823,936	\$2,463,705	\$42,837,993	\$309,643,261
5309								
		Subtotal		\$0	\$0	\$0	\$0	\$0
5310								
MassDOT	111200	Mobility Assistance Program		\$6,035,578	\$4,000,000	\$0	\$0	\$10,035,578
		Subtotal		\$6,035,578	\$4,000,000	\$0	\$0	\$10,035,578
5311								
MassDOT	300900	Rural Formula		\$3,749,029	\$0	\$0	\$3,749,029	\$7,498,058
NRTA	300900	Rural Operating Assistance		\$618,620	\$0	\$0	\$618,620	\$1,237,240
VTA	300901	UP TO 50% FEDERAL SHARE		\$1,750,000	\$0	\$0	\$0	\$1,750,000
		Subtotal		\$6,117,649	\$0	\$0	\$4,367,649	\$10,485,298
5337								
GATRA	123402	REHAB/RENOV - RAIL STATION	2020 - \$1,013,370	\$1,013,370	\$0	\$0	\$253,343	\$1,266,713
MBTA	122405	Bridge and Tunnel Program - 5337		\$28,223,483	\$0	\$0	\$7,055,871	\$35,279,354
MBTA	121200	5337 - Stations and Facilities Program		\$60,582,381	\$0	\$0	\$15,145,595	\$75,727,976
MBTA	126301	5337 - Signals/Systems Upgrade Program		\$80,207,107	\$0	\$0	\$20,051,777	\$100,258,884
WRTA	113403	TERMINAL, INTERMODAL (TRANSIT)		\$2,544,730	\$0	\$0	\$636,182	\$3,180,912
		Subtotal		\$172,571,071	\$0	\$0	\$43,142,768	\$215,713,839
5339								
CCRTA	119302	CONSTRUCTION - BUS SHELTERS	2018 - \$15,200	\$15,200	\$3,800	\$0	\$0	\$19,000
CCRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2018 - \$60,000	\$60,000	\$15,000	\$0	\$0	\$75,000
CCRTA	111203	BUY REPLACEMENT 30-FT BUS	2022 - \$1,242,561	\$1,242,561	\$0	\$310,640	\$0	\$1,242,561
MassDOT	111200	Bus and Bus Facilities (Statewide)		\$1,721,158	\$0	\$0	\$430,290	\$2,151,448
MBTA	111400	Bus Program - 5339		\$6,956,861	\$0	\$0	\$1,739,215	\$8,696,076
PVTA	111215	Purchase Replacement Vans (9)	2022 - \$896,326	\$896,326	\$896,326	\$0	\$0	\$1,792,652
			2021 - \$150,262; 2022 - \$152,516	\$302,778	\$75,695	\$0	\$0	\$378,473
SRTA	111202	BUY REPLACEMENT 35-FT BUS (.45)		\$485,032	\$0	\$97,006	\$0	\$485,032
WRTA	111201	BUY REPLACEMENT 40-FT BUS (1)						
		Subtotal		\$11,679,916	\$990,821	\$407,646	\$2,169,505	\$14,840,242
Other Federal								
PVTA	111202	Purchase 35' Replacement Buses (6)	2022 - \$2,224,439; 2022 - \$668,583	\$2,224,439	\$1,089,582	\$0	\$0	\$3,982,604
PVTA	116220	Information Technology Systems	2022 - \$1,202,069; 2022 - \$901,552	\$901,552	\$300,517	\$225,388	\$0	\$2,404,138
		Subtotal		\$3,125,991	\$1,390,099	\$225,388	\$0	\$6,386,742
Other Non-Federal								
CATA	111240	BUY ASSOC CAP MAINT ITEMS		\$0	\$15,000	\$0	\$0	\$15,000
FRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$0	\$25,000	\$0	\$0	\$25,000
FRTA	111240	BUY ASSOC CAP MAINT ITEMS		\$0	\$15,000	\$0	\$0	\$15,000
FRTA	114406	REHAB/RENOVATE - SHOP EQUIPMENT		\$0	\$10,000	\$0	\$0	\$10,000

2023 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
MassDOT	900000	Transit Technical Assistance		\$0	\$2,000,000	\$0	\$0	\$2,000,000
MassDOT	400000	RTA Planning Assistance		\$0	\$2,000,000	\$0	\$0	\$2,000,000
MassDOT	112220	RTA: Facility and System Modernization		\$0	\$18,231,712	\$0	\$0	\$18,231,712
NRTA	111204	BUY REPLACEMENT <30 FT BUS		\$0	\$1,500,000	\$0	\$0	\$1,500,000
NRTA	995000	TRAVELER INFORMATION		\$0	\$51,200	\$0	\$0	\$51,200
NRTA	1000002	PREVENTIVE MAINTENANCE		\$0	\$25,000	\$0	\$0	\$25,000
NRTA	114306	CONSTRUCT - SHOP EQUIPMENT		\$0	\$25,000	\$0	\$0	\$25,000
VTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES		\$0	\$75,000	\$0	\$0	\$75,000
VTA	113209	ACQUIRE - BUS ROUTE SIGNING		\$0	\$20,000	\$0	\$0	\$20,000
VTA	111400	REHAB/REBUILD - CAPITOL BUS		\$0	\$50,000	\$0	\$0	\$50,000
VTA	113310	CONSTRUCT - BUS PASSENGER SHELTERS		\$0	\$50,000	\$0	\$0	\$50,000
VTA	111202	BUY REPLACEMENT 35-FT BUS (3)		\$0	\$1,380,000	\$0	\$0	\$1,380,000
VTA	114203	ACQUIRE - ADMIN/MAINT FACILITY		\$0	\$490,000	\$0	\$0	\$490,000
VTA	114211	ACQUIRE - SUPPORT VEHICLES		\$0	\$150,000	\$0	\$0	\$150,000
VTA	111215	BUY REPLACEMENT VAN - 2		\$0	\$180,000	\$0	\$0	\$180,000
VTA	114211	ACQUIRE - SUPPORT VEHICLES		\$0	\$250,000	\$0	\$0	\$250,000
		Subtotal		\$0	\$26,542,912	\$0	\$0	\$26,542,912
		Total		\$426,632,095	\$69,747,768	\$3,096,739	\$92,517,915	\$593,647,872

2024 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
5307								
BAT	111201	BUY REPLACEMENT 40-FT BUS (4)	2022 - \$357,551; 2023 - \$767,449	\$1,125,000	\$1,125,000	\$0	\$0	\$2,250,000
BAT	111202	BUY REPLACEMENT 35-FT BUS (2)	2023 - \$600,000	\$600,000	\$600,000	\$0	\$0	\$1,200,000
BAT	111240	BUY ASSOC CAP MAINT ITEMS	2023 - \$100,000	\$100,000	\$25,000	\$0	\$0	\$125,000
BAT	114206	ACQUIRE - SHOP EQUIPMENT Bus Washer	2023 - \$280,000	\$280,000	\$70,000	\$0	\$0	\$350,000
BAT	114206	ACQUIRE - SHOP EQUIPMENT Sand Sweeper	2023 - \$44,000	\$44,000	\$11,000	\$0	\$0	\$55,000
BAT	116202	PURCHASE COMMUNICATIONS SYSTEM	2023 - \$40,000	\$40,000	\$10,000	\$0	\$0	\$50,000
BAT	113404	REHAB/RENOVATE - BUS PARK & RIDE LOT	2023 - \$60,000	\$60,000	\$15,000	\$0	\$0	\$75,000
BAT	114220	ACQUIRE - MISC SUPPORT EQUIPMENT	2023 - \$40,000	\$40,000	\$10,000	\$0	\$0	\$50,000
BAT	114211	ACQUIRE - SUPPORT VEHICLES (1)	2023 - \$36,000	\$36,000	\$9,000	\$0	\$0	\$45,000
BAT	300900	OPERATING ASSISTANCE	2023 - \$1,630,271	\$2,600,000	\$2,600,000	\$0	\$0	\$5,200,000
BRTA	111204	BUY REPLACEMENT <30 FT BUS (3) FIXED ROUTE		\$230,698	\$57,674	\$0	\$0	\$288,372
BRTA	1000002	PREVENTIVE MAINTENANCE		\$120,000	\$30,000	\$0	\$0	\$150,000
BRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT- Purchase (2) Electric Chargers		\$80,000	\$20,000	\$0	\$0	\$100,000
CATA	117A00	PREVENTIVE MAINTENANCE	2023 - \$285,000	\$285,000	\$0	\$0	\$71,250	\$356,250
CCRTA	113400	REHAB/RENOVATE BUS STATIONS	2020 - \$133,656; 2021 - \$1,466,344	\$1,600,000	\$400,000	\$0	\$0	\$2,000,000
CCRTA	117A00	PREVENTIVE MAINTENANCE	2022 - \$5,200,000	\$5,200,000	\$1,300,000	\$0	\$0	\$6,500,000
CCRTA	300901	UP TO 50% FEDERAL SHARE	2022 - \$600,000	\$600,000	\$600,000	\$0	\$0	\$1,200,000
CCRTA	117L00	MOBILITY MANAGEMENT	2022 - \$211,987; 2023 - \$1,148,013	\$1,360,000	\$340,000	\$0	\$0	\$1,700,000
CCRTA	117C00	NON FIXED ROUTE ADA PARA SERV	2022 - \$95,542; 2023 - \$504,458	\$600,000	\$150,000	\$0	\$0	\$750,000
GATRA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$60,000	\$15,000	\$0	\$0	\$75,000
GATRA	442400	SHORT RANGE TRANSIT PLANNING		\$80,000	\$20,000	\$0	\$0	\$100,000
GATRA	111202	BUY REPLACEMENT 35-FT BUS (2)		\$800,000	\$200,000	\$0	\$0	\$1,000,000
GATRA	111204	BUY REPLACEMENT <30 FT BUS (3)		\$200,000	\$0	\$0	\$50,000	\$250,000
GATRA	117C00	NON FIXED ROUTE ADA PARA SERV		\$1,200,000	\$300,000	\$0	\$0	\$1,500,000
GATRA	300901	OPERATING ASSISTANCE		\$600,000	\$600,000	\$0	\$0	\$1,200,000
GATRA	117A00	PREVENTIVE MAINTENANCE		\$2,800,000	\$700,000	\$0	\$0	\$3,500,000
LRTA	117A00	PREVENTIVE MAINTENANCE	2023 - \$1,822,582	\$1,822,582	\$455,645	\$0	\$0	\$2,278,227
LRTA	300901	OPERATING ASSISTANCE 2024	2023 - \$1,718,243	\$2,410,320	\$3,152,661	\$0	\$3,317,227	\$8,880,208
LRTA	114220	TERMINAL & BUILDING EQUIPMENT AND MAINTENANCE		\$80,000	\$20,000	\$0	\$0	\$100,000
LRTA	111240	BUY ASSOC CAP MAINT ITEMS (SPARE PARTS)		\$80,000	\$20,000	\$0	\$0	\$100,000
LRTA	442400	SHORT RANGE TRANSIT PLANNING 2024		\$88,000	\$0	\$0	\$22,000	\$110,000
LRTA	111202	BUY REPLACEMENT 35-FT BUS (1)		\$416,800	\$104,200	\$0	\$0	\$521,000
LRTA	111240	BUY ASSOC CAP MAINT ITEMS (ITS EQUIPMENT)		\$8,000	\$2,000	\$0	\$0	\$10,000

2024 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
MART	117C00	NON FIXED ROUTE ADA PARA SERV		\$250,000	\$62,500	\$0	\$0	\$312,500
MART	300901	UP TO 50% FEDERAL SHARE		\$2,000,000	\$2,000,000	\$0	\$0	\$4,000,000
MART	111215	BUY REPLACEMENT VAN (5)		\$284,000	\$71,000	\$0	\$0	\$355,000
MART	114420	REHAB/RENOVATE - MISC SUPPORT EQUIPMENT		\$120,000	\$30,000	\$0	\$0	\$150,000
MART	114404	REHAB/RENOVATE - STORAGE FACILITY		\$32,000	\$8,000	\$0	\$0	\$40,000
MART	114404	Replace Pavement at Storage Facility		\$200,000	\$50,000	\$0	\$0	\$250,000
MBTA	121200	5307 - Revenue Vehicle Program		\$129,676,237	\$0	\$0	\$32,419,060	\$162,095,297
MBTA	126301	5307 - Signals/Systems Upgrade Program		\$30,311,246	\$0	\$0	\$7,577,812	\$37,889,058
MVRTA	111202	SGR Replace model yr 2011 buses delivery 2024 2 of 8		\$828,750	\$207,190	\$0	\$0	\$1,035,940
MVRTA	117000	Preventative Maintenance		\$3,082,895	\$770,725	\$0	\$0	\$3,853,620
MVRTA	300901	Operating Assistance		\$432,660	\$432,660	\$0	\$0	\$865,320
MVRTA	117C00	Non fixed route ADA paratransit service		\$1,538,105	\$384,525	\$0	\$0	\$1,922,630
MVRTA	442400	SHORT RANGE TRANSIT PLANNING		\$80,000	\$0	\$0	\$20,000	\$100,000
MWRTA	117C00	NON FIXED ROUTE ADA PARA SERVICE	2023 - \$1,600,000	\$1,600,000	\$400,000	\$0	\$0	\$2,000,000
MWRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2023 - \$225,000	\$225,000	\$225,000	\$0	\$0	\$450,000
MWRTA	440000	TECHNOLOGY SUPPORT/CAPITAL OUTREACH	2023 - \$172,600	\$172,600	\$180,000	\$0	\$0	\$352,600
MWRTA	113403	TERMINAL, INTERMODAL (TRANSIT) - BLANDIN	2023 - \$400,000	\$400,000	\$225,000	\$0	\$0	\$625,000
MWRTA	113403	TERMINAL, INTERMODAL (TRANSIT) - Framingham Commuter Rail Station (FCRS)	2023 - \$155,000	\$155,000	\$175,000	\$0	\$0	\$330,000
PVTA	111201	Replacement 40' Bus (17)	2023 - \$1,595,397; 2023 - \$2,110,468	\$1,595,397	\$2,427,815	\$0	\$0	\$6,133,680
PVTA	119202	PURCHASE BUS SHELTERS	2023 - \$106,567	\$106,567	\$26,641	\$0	\$0	\$133,208
PVTA	119208	Signage and Lighting	2023 - \$85,600	\$85,600	\$21,400	\$0	\$0	\$107,000
PVTA	119206	Bike access Equipment	2023 - \$16,000	\$16,000	\$4,000	\$0	\$0	\$20,000
PVTA	114403	Rehab Northampton Maint Facility, Year 4	2023 - \$1,040,000	\$1,040,000	\$260,000	\$0	\$0	\$1,300,000
PVTA	114402	UMTS - Install AC in Maintenance Area	2023 - \$200,000	\$200,000	\$50,000	\$0	\$0	\$250,000
PVTA	114400	HITC-Bus Bay Canopy/Pavement Upgrades	2023 - \$480,000	\$480,000	\$120,000	\$0	\$0	\$600,000
PVTA	114406	Purchase Shop Equipment - All Garages	2023 - \$112,500	\$112,500	\$37,500	\$0	\$0	\$150,000
PVTA	114402	Environmental Compliance	2023 - \$20,000	\$20,000	\$5,000	\$0	\$0	\$25,000
PVTA	440000	PLANNING	2023 - \$200,000	\$200,000	\$50,000	\$0	\$0	\$250,000
PVTA	300900	ADA Operating Assistance	2023 - \$1,332,082	\$1,332,082	\$333,021	\$0	\$0	\$1,665,103
PVTA	117A00	PREVENTIVE MAINTENANCE	2023 - \$8,750,000	\$8,750,000	\$0	\$1,750,000	\$0	\$8,750,000
SRTA	442400	SHORT RANGE TRANSIT PLANNING	2020 - \$96,000	\$96,000	\$0	\$0	\$24,000	\$120,000
SRTA	300900	ADA OPERATING ASSISTANCE	2023 - \$200,000	\$200,000	\$50,000	\$0	\$0	\$250,000
SRTA	114207	ACQUIRE - ADP HARDWARE / SOFTWARE	2021 - \$280,000	\$280,000	\$70,000	\$0	\$0	\$350,000
SRTA	117A00	PREVENTIVE MAINTENANCE	2023 - \$800,000	\$800,000	\$200,000	\$0	\$0	\$1,000,000
SRTA	300901	UP TO 50% FEDERAL SHARE	2022 - \$4,300,000; 2023 - \$1,985,432	\$6,285,432	\$5,993,300	\$0	\$0	\$12,278,732
SRTA	114211	ACQUIRE - SUPPORT VEHICLES	2021 - \$44,000	\$44,000	\$11,000	\$0	\$0	\$55,000

2024 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
SRTA	111215	BUY REPLACEMENT VAN	2021 - \$60,000	\$60,000	\$15,000	\$0	\$0	\$75,000
SRTA	111202	BUY REPLACEMENT 35-FT BUS	2022 - \$1,777,222	\$1,777,222	\$444,306	\$0	\$0	\$2,221,528
SRTA	114220	ACQUIRE - Transit Enhancements	2021 - \$8,000	\$8,000	\$2,000	\$0	\$0	\$10,000
SRTA	111640	LEASE ASSOC CAP MAINT ITEMS	2020 - \$72,000	\$72,000	\$18,000	\$0	\$0	\$90,000
WRTA	300901	UP TO 50% FEDERAL SHARE		\$6,659,796	\$6,659,796	\$0	\$0	\$13,319,592
WRTA	111201	BUY REPLACEMENT 40-FT BUS		\$3,310,874	\$0	\$662,175	\$0	\$3,310,874
WRTA	114211	ACQUIRE - SUPPORT VEHICLES		\$56,000	\$14,000	\$0	\$0	\$70,000
WRTA	114220	ACQUIRE - MISC SUPPORT EQUIPMENT		\$47,495	\$11,874	\$0	\$0	\$59,369
WRTA	111215	BUY REPLACEMENT VAN		\$97,332	\$24,333	\$0	\$0	\$121,665
WRTA	111240	BUY ASSOC CAP MAINT ITEMS		\$471,247	\$117,812	\$0	\$0	\$589,059
WRTA	114207	ACQUIRE - ADP HARDWARE		\$32,000	\$8,000	\$0	\$0	\$40,000
WRTA	114208	ACQUIRE - ADP SOFTWARE		\$87,600	\$21,900	\$0	\$0	\$109,500
WRTA	119402	BUS SHELTERS		\$30,000	\$7,500	\$0	\$0	\$37,500
WRTA	119208	PURCHASE SIGNAGE		\$16,000	\$4,000	\$0	\$0	\$20,000
WRTA	113401	REHAB/RENOVATE - BUS TERMINAL		\$28,000	\$7,000	\$0	\$0	\$35,000
		Subtotal		\$231,432,037	\$35,198,978	\$2,412,175	\$43,501,349	\$312,242,832
5309			Subtotal	\$0	\$0	\$0	\$0	\$0
5310								
MassDOT	111200	Mobility Assistance Program	2023 - \$6,035,579	\$6,035,579	\$4,000,000	\$0	\$0	\$10,035,579
		Subtotal		\$6,035,579	\$4,000,000	\$0	\$0	\$10,035,579
5311								
MassDOT	300900	Rural Formula		\$3,749,029	\$0	\$0	\$3,749,029	\$7,498,058
		Subtotal		\$3,749,029	\$0	\$0	\$3,749,029	\$7,498,058
5337								
GATRA	123402	REHAB/RENOV - RAIL STATION	2021 - \$1,030,800	\$1,030,800	\$0	\$0	\$257,700	\$1,288,500
MBTA	122405	5337 - Bridge & Tunnel Program		\$28,706,104	\$0	\$0	\$7,176,526	\$35,882,630
MBTA	126301	5337 - Signals/Systems Upgrade Program		\$81,578,648	\$0	\$0	\$20,394,662	\$101,973,310
MBTA	123400	5337 - Stations and Facilities Program		\$61,618,340	\$0	\$0	\$15,404,585	\$77,022,925
WRTA	123403	TERMINAL, INTERMODAL (TRANSIT)		\$2,570,177	\$0	\$0	\$642,544	\$3,212,721
		Subtotal		\$175,504,069	\$0	\$0	\$43,876,017	\$219,380,086
5339								
CCRTA	114200	ACQUISITION OF BUS SUPPORT EQUIP/FACILITIES	2019 - \$685,154	\$685,154	\$171,289	\$0	\$0	\$856,443
GATRA	111215	BUY REPLACEMENT VAN (5)		\$312,000	\$0	\$0	\$78,000	\$390,000
MART	111203	BUY REPLACEMENT MD 30-FT BUS (2)		\$600,000	\$150,000	\$0	\$0	\$750,000
MART	111204	BUY REPLACEMENT <30 FT BUS		\$140,000	\$35,000	\$0	\$0	\$175,000
MassDOT	111200	Bus and Bus Facilities (Statewide)		\$1,721,158	\$0	\$0	\$430,290	\$2,151,448
MBTA	111400	5339 - Bus Program		\$7,075,823	\$0	\$0	\$1,768,956	\$8,844,779
PVTA	111215	Replacement Vans (24)	2023 - \$930,655	\$930,655	\$961,919	\$0	\$0	\$1,892,574

2024 Transit Projects

Transit Agency	FTA Activity	Project Description	Carryover (unobligated)	Federal Funds	State Funds	TDC	Local Funds	Total Cost
PVTA	114220	Information Technology Systems	2023 - \$1,132,674	\$848,257	\$284,418	\$212,064	\$0	\$2,265,349
SRTA	111202	BUY REPLACEMENT 35-FT BUS	2021 - \$150,262; 2022 - \$152,516	\$302,778	\$75,695	\$0	\$0	\$378,473
WRTA	111201	BUY REPLACEMENT 40-FT BUS		\$485,032	\$0	\$97,006	\$0	\$485,032
		Subtotal		\$13,100,857	\$1,678,321	\$309,070	\$2,277,246	\$18,189,098
Other Federal								
PVTA	111202	Replacement 35-FT Bus (9)	2023 - \$2,948,836	\$2,948,836	\$1,045,082	\$0	\$0	\$3,993,918
		Subtotal		\$2,948,836	\$1,045,082	\$0	\$0	\$3,993,918
Other Non-Federal								
CATA	114403	REPAVE LOT (FED MATCH IN 2023)		\$0	\$20,000	\$0	\$0	\$20,000
CATA	111240	BUY ASSOC CAP MAINT ITEMS		\$0	\$15,000	\$0	\$0	\$15,000
FRTA	111240	BUY ASSOC CAP MAINT ITEMS		\$0	\$15,000	\$0	\$0	\$15,000
FRTA	114406	REHAB/RENOVATE - SHOP EQUIPMENT		\$0	\$10,000	\$0	\$0	\$10,000
MassDOT	900000	Transit Technical Assistance		\$0	\$2,000,000	\$0	\$0	\$2,000,000
MassDOT	400000	RTA Planning Assistance		\$0	\$2,000,000	\$0	\$0	\$2,000,000
MassDOT	112220	RTA: Facility and System Modernization		\$0	\$32,416,455	\$0	\$0	\$32,416,455
NRTA	111204	BUY REPLACEMENT <30 FT BUS		\$0	\$900,000	\$0	\$0	\$900,000
NRTA	1000002	PREVENTIVE MAINTENANCE		\$0	\$25,000	\$0	\$0	\$25,000
NRTA	995000	TRAVELER INFORMATION		\$0	\$65,000	\$0	\$0	\$65,000
VTA	111201	BUY REPLACEMENT 40-FT BUS (2)		\$0	\$1,700,000	\$0	\$0	\$1,700,000
VTA	111202	BUY REPLACEMENT 35-FT BUS (2)		\$0	\$1,700,000	\$0	\$0	\$1,700,000
VTA	111400	REHAB/REBUILD - CAPITOL BUS		\$0	\$75,000	\$0	\$0	\$75,000
VTA	111215	BUY REPLACEMENT VAN		\$0	\$180,000	\$0	\$0	\$180,000
VTA	114403	REHAB/RENOVATE - ADMIN/MAINT FACILITY		\$0	\$75,000	\$0	\$0	\$75,000
VTA	113210	ACQUIRE - BUS PASSENGER SHELTERS		\$0	\$50,000	\$0	\$0	\$50,000
VTA	113209	ACQUIRE - BUS ROUTE SIGNING		\$0	\$20,000	\$0	\$0	\$20,000
		Subtotal		\$0	\$41,266,455	\$0	\$0	\$41,266,455
		Total		\$432,770,407	\$83,188,836	\$2,721,245	\$93,403,641	\$612,606,026

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
BERKSHIRE					
606891	LANESBOROUGH- PITTSFIELD- ASHUWILLTICOOK RAIL TRAIL EXTENSION TO CRANE AVENUE	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	19,278	
607254	WILLIAMSTOWN- MOHAWK BICYCLE/PEDESTRIAN TRAIL CONSTRUCTION	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	4,369	
607328	ADAMS- PAVEMENT REHABILITATION & RELATED WORK ON ROUTE 8	Qualitative	Qualitative Decrease in Emissions	0	
607328	ADAMS- PAVEMENT REHABILITATION & RELATED WORK ON ROUTE 8	Qualitative	Qualitative Decrease in Emissions	0	
607756	GREAT BARRINGTON- INTERSECTION & SIGNAL IMPROVEMENTS ON US 7 (SOUTH MAIN STREET) AT SR 23 & SR 41 (MAPLE AVENUE)	Qualitative	Qualitative Decrease in Emissions	0	
608486	WILLIAMSTOWN - RESURFACING AND RELATED WORK ON ROUTE 43	Qualitative	Qualitative Decrease in Emissions	0	
608645	NEW MARLBOROUGH- BRIDGE REPLACEMENT, N-08-006, CAMPBELL FALLS ROAD OVER WHITING RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608646	TYRINGHAM- BRIDGE REPLACEMENT, T-10-007, MONTEREY ROAD OVER HOP BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
608812	FLORIDA- SAVOY - RESURFACING AND RELATED WORK ON ROUTE 2	Qualitative	Qualitative Decrease in Emissions	0	
609104	LEE - RESURFACING AND RELATED WORK ON ROUTE 20	Qualitative	Qualitative Decrease in Emissions	0	
609161	ADAMS- SYSTEMATIC BRIDGE MAINTENANCE, A-04-001, ROUTE 8 (GROVE ST) OVER ASHUWILLTICOOK RAIL-TRAIL AND HOOSIC RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
2020	REGION: BERKSHIRE		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-23,647	
			Total GHG Difference (kg/year)	-23,647	
BOSTON					
602261	WALPOLE- RECONSTRUCTION ON ROUTE 1A (MAIN STREET), FROM THE NORWOOD T.L. TO ROUTE 27, INCLUDES W-03-024 OVER THE NEPONSET RIVER	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
602261	WALPOLE- RECONSTRUCTION ON ROUTE 1A (MAIN STREET), FROM THE NORWOOD T.L. TO ROUTE 27, INCLUDES W-03-024 OVER THE NEPONSET RIVER	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
602261	WALPOLE- RECONSTRUCTION ON ROUTE 1A (MAIN STREET), FROM THE NORWOOD T.L. TO ROUTE 27, INCLUDES W-03-024 OVER THE NEPONSET RIVER	Quantified	Quantified Decrease in Emissions from Complete Streets Project	230,473	
604123	ASHLAND- RECONSTRUCTION ON ROUTE 126 (POND STREET), FROM THE FRAMINGHAM T.L. TO THE HOLLISTON T.L.	Quantified	Quantified Decrease in Emissions from Complete Streets Project	148,097	
604123	ASHLAND- RECONSTRUCTION ON ROUTE 126 (POND STREET), FROM THE FRAMINGHAM T.L. TO THE HOLLISTON T.L.	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
604123	ASHLAND- RECONSTRUCTION ON ROUTE 126 (POND STREET), FROM THE FRAMINGHAM T.L. TO THE HOLLISTON T.L.	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
604173	BOSTON- BRIDGE REPLACEMENT, B-16-016, NORTH WASHINGTON STREET OVER THE BOSTON INNER HARBOR	Qualitative	No assumed impact/negligible impact on emissions	0	
604952	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	Qualitative	No assumed impact/negligible impact on emissions	0	
605287	CHELSEA- ROUTE 1 VIADUCT REHABILITATION (SB/NB) ON C-09-007 & C-09-011	Qualitative	No assumed impact/negligible impact on emissions	0	
605342	STOW- BRIDGE REPLACEMENT, S-29-001, (ST 62) GLEASONDALE ROAD OVER THE ASSABET RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
606043	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	Quantified	Quantified Decrease in Emissions from Complete Streets Project	1,298,625	
606043	HOPKINTON- SIGNAL & INTERSECTION IMPROVEMENTS ON ROUTE 135	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
606635	NEEDHAM-NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	1,186,210	
606635	NEEDHAM-NEWTON- RECONSTRUCTION OF HIGHLAND AVENUE, NEEDHAM STREET & CHARLES RIVER BRIDGE, N-04-002, FROM WEBSTER STREET (NEEDHAM) TO ROUTE 9 (NEWTON)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
607652	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
607652	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	435,976	
607652	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
607652	EVERETT- RECONSTRUCTION OF FERRY STREET, SOUTH FERRY STREET AND A PORTION OF ELM STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608205	READING TO LYNNFIELD- GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF I-95 (SR 128)	Qualitative	No assumed impact/negligible impact on emissions	0	
608275	MALDEN - EXCHANGE STREET DOWNTOWN IMPROVEMENT PROJECT	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608275	MALDEN - EXCHANGE STREET DOWNTOWN IMPROVEMENT PROJECT	Quantified	Quantified Decrease in Emissions from Complete Streets Project	13,519	
608347	BEVERLY- INTERSECTION IMPROVEMENTS @ 3 LOCATIONS: CABOT STREET (ROUTE 1A/97) @ DODGE STREET (ROUTE 1A), COUNTY WAY, LONGMEADOW ROAD & SCOTT STREET, MCKAY STREET @ BALCH STREET & VETERANS MEMORIAL BRIDGE (ROUTE 1A) AT RANTOUL, CABOT, WATER & FRONT STREETS	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	582,422	
608347	BEVERLY- INTERSECTION IMPROVEMENTS @ 3 LOCATIONS: CABOT STREET (ROUTE 1A/97) @ DODGE STREET (ROUTE 1A), COUNTY WAY, LONGMEADOW ROAD & SCOTT STREET, MCKAY STREET @ BALCH STREET & VETERANS MEMORIAL BRIDGE (ROUTE 1A) AT RANTOUL, CABOT, WATER & FRONT STREETS	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	
608482	CAMBRIDGE-SOMERVILLE- RESURFACING AND RELATED WORK ON ROUTE 28	Qualitative	Qualitative Decrease in Emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608608	BRAINTREE- HIGHWAY LIGHTING IMPROVEMENTS AT I-93/ROUTE 3 INTERCHANGE	Qualitative	No assumed impact/negligible impact on emissions	0	
608611	CANTON- MILTON- RANDOLPH- REPLACEMENT AND REHABILITATION OF THE HIGHWAY LIGHTING SYSTEM AT THE ROUTE 24/ROUTE 1/I-93 INTERCHANGE	Qualitative	No assumed impact/negligible impact on emissions	0	
608743	SALEM- IMPROVEMENTS AT BATES ELEMENTARY SCHOOL (SRTS)	Qualitative	Qualitative Decrease in Emissions	0	
608791	WINCHESTER- IMPROVEMENTS AT VINSON-OWEN ELEMENTARY SCHOOL (SRTS)	Qualitative	Qualitative Decrease in Emissions	0	
608835	MEDFORD- IMPROVEMENTS AT BROOKS ELEMENTARY SCHOOL (SRTS)	Qualitative	Qualitative Decrease in Emissions	0	
609101	PEABODY - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 128	Qualitative	Qualitative Decrease in Emissions	0	
609102	WENHAM - GLOUCESTER - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 128	Qualitative	Qualitative Decrease in Emissions	0	
609222	ARLINGTON - SPY POND SEDIMENT REMOVAL	Qualitative	No assumed impact/negligible impact on emissions	0	
2020	REGION: BOSTON		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-3,895,322	
			Total GHG Difference (kg/year)	-3,895,322	
CAPE COD					
606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	GHG CO2 reduction of 623,168 kg/yr accounted for in FFY2019
606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	GHG CO2 reduction of 623,168 kg/yr accounted for in FFY2019
606272	BARNSTABLE- INTERSECTION IMPROVEMENTS AT IYANOUGH ROAD (ROUTE 28) AND YARMOUTH ROAD	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	GHG CO2 reduction of 623,168 kg/yr accounted for in FFY2019
606900	BOURNE- TRAFFIC AND MULTI-MODAL IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 6/25/28	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
606900	BOURNE- TRAFFIC AND MULTI-MODAL IMPROVEMENTS @ BELMONT CIRCLE AT ROUTES 6/25/28	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
608571	BOURNE TO FALMOUTH- GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF ROUTE 28	Qualitative	No assumed impact/negligible impact on emissions	0	
608598	ORLEANS- STORMWATER IMPROVEMENTS ALONG ROUTE 28	Qualitative	No assumed impact/negligible impact on emissions	0	
CCBR20	CAPE COD - BICYCLE RACK PROGRAM	Quantified	Quantified Decrease in Emissions from Other Improvements	1,000,967	GHG reduction rate based on SRPEDD analysis for comparable program

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
2020	REGION: CAPE COD		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-1,000,967	
			Total GHG Difference (kg/year)	-1,000,967	
CENTRAL MASSACHUSETTS					
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	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	GHG Numbers calculated above
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	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	677,729	
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	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	GHG Numbers calculated above
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	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	GHG Numbers calculated above
605674	STURBRIDGE - GRAND TRUNK TRAIL CONSTRUCTION, FROM ED CALCUTT BRIDGE TO THE INTERSECTION OF RIVER ROAD & FARQUHAR ROAD	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	709	
608038	WEBSTER - RESURFACING & RELATED WORK OF KLEBART AVENUE & LAKE PARKWAY	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	3,184	
608057	WORCESTER - STORMWATER IMPROVEMENTS ALONG I-290 AND 122A	Qualitative	No assumed impact/negligible impact on emissions	0	
608633	WEST BROOKFIELD- BRIDGE REPLACEMENT, W-19-009, FOSTER HILL ROAD OVER COYS BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
608764	UPTON - RECONSTRUCTION OF HARTFORD AVENUE NORTH AND HIGH STREET (PHASE II)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	393	
608764	UPTON - RECONSTRUCTION OF HARTFORD AVENUE NORTH AND HIGH STREET (PHASE II)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	0	GHG Numbers calculated above
609106	DOUGLAS-NORTHBRIDGE-SUTTON-UXBRIDGE- PAVEMENT PRESERVATION ON ROUTE 146	Qualitative	No assumed impact/negligible impact on emissions	0	
609400	WORCESTER - RESURFACING AND RELATED WORK ON I-290	Qualitative	No assumed impact/negligible impact on emissions	0	
609401	HOLDEN - WEST BOYLSTON - RESURFACING AND RELATED WORK ON I-190	Qualitative	No assumed impact/negligible impact on emissions	0	
609476	WORCESTER- CLEANING & PAINTING AND VARIOUS REPAIRS OF W-44-082, I-290 (MAINLINE) AND RAMPS OVER THE MBTA/CSX & CITY STREETS	Qualitative	No assumed impact/negligible impact on emissions	0	
609476	WORCESTER- CLEANING & PAINTING AND VARIOUS REPAIRS OF W-44-082, I-290 (MAINLINE) AND RAMPS OVER THE MBTA/CSX & CITY STREETS	Qualitative	No assumed impact/negligible impact on emissions	0	
609477	AUBURN- CLEANING & PAINTING OF A-17-030, A-17-033, A-17-037 & A-17-040 (4 BRIDGES)	Qualitative	No assumed impact/negligible impact on emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
2020	REGION: CENTRAL MASSACHUSETTS		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-682,015	
			Total GHG Difference (kg/year)	-682,015	
FRANKLIN					
604189	BERNARDSTON- BRIDGE REPLACEMENT, B-10-004, U.S. ROUTE 5 (BRATTLEBORO ROAD) OVER SHATTUCK BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
606011	DEERFIELD- WHATELY- RESURFACING & RELATED WORK ON ROUTES 5 & 10, FROM OLD STATE ROAD TO CONWAY ROAD (1.1 MILES)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	474	
606309	ORANGE- BRIDGE REPLACEMENT, O-03-021, ROUTE 2 OVER ROUTE 202	Qualitative	No assumed impact/negligible impact on emissions	0	
607245	SUNDERLAND- RESURFACING & RELATED WORK ON A SECTION OF NORTH MAIN STREET (ROUTE 47), FROM ROUTE 116 TO CLAYBROOK DRIVE	Quantified	Quantified Decrease in Emissions from Complete Streets Project	990	
607538	COLRAIN- INTERSECTION IMPROVEMENTS @ MAIN ROAD, JACKSONVILLE ROAD (ROUTE 112) & GREENFIELD ROAD	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	1,982	
608643	CHARLEMONT- BRIDGE REPLACEMENT, C-05-037, WEST OXBOW ROAD OVER WILDER BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
608644	CHARLEMONT- BRIDGE REPLACEMENT, C-05-008, TOWER ROAD OVER CHICKLEY RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
2020	REGION: FRANKLIN		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-3,446	
			Total GHG Difference (kg/year)	-3,446	
MARTHA'S VINEYARD					
607411	TISBURY-BIKE&PEDESTRIAN IMPROVEMENTS ALONG BEACH ROAD, FROM THE TERMINATION OF THE EXISTING SHARED USE PATH WESTERLY TO THE FIVE CORNERS INTERSECTION	Qualitative	Qualitative Decrease in Emissions	0	
607411	TISBURY- BIKE & PEDESTRIAN IMPROVEMENTS ALONG BEACH ROAD, FROM THE TERMINATION OF THE EXISTING SHARED USE PATH WESTERLY TO THE FIVE CORNERS INTERSECTION	Qualitative	Qualitative Decrease in Emissions	0	
2020	REGION: MARTHA S VINEYARD		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
MERRIMACK VALLEY					

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
602418	AMESBURY- RECONSTRUCTION OF ELM STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	1,336	AC Yr 2 of 2.
605306	HAVERHILL- BRIDGE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608027	HAVERHILL- BRADFORD RAIL TRAIL EXTENSION, FROM ROUTE 125 TO RAILROAD STREET	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	422	
608027	HAVERHILL- BRADFORD RAIL TRAIL EXTENSION, FROM ROUTE 125 TO RAILROAD STREET	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	0	GHG CO2 Impact (kg / yr) shown above
2020	REGION: MERRIMACK VALLEY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-1,758	
			Total GHG Difference (kg/year)	-1,758	
MONTACHUSETT					
605651	LEOMINSTER- RECONSTRUCTION ON ROUTE 13, FROM HAWES STREET TO PROSPECT STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	138,448	
607902	AYER- RECLAMATION & RELATED WORK ON ROUTE 2A, FROM HARVARD ROAD TO MAIN STREET	Qualitative	No assumed impact/negligible impact on emissions	0	
609411	FITCHBURG- LEOMINSTER- TWIN CITIES RAIL TRAIL CONSTRUCTION (PHASE II)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	407,831	
2020	REGION: MONTACHUSETT		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-546,279	
			Total GHG Difference (kg/year)	-546,279	
NORTHERN MIDDLESEX					
608375	CHELMSFORD- INTERSECTION IMPROVEMENTS AT BOSTON ROAD AND CONCORD ROAD	Qualitative	Qualitative Decrease in Emissions	0	
609038	TEWKSBURY-INTERSECTION IMPROVEMENTS AT ANDOVER STREET (ROUTE 133) AND RIVER ROAD	Qualitative	Qualitative Decrease in Emissions	0	
609038	TEWKSBURY-INTERSECTION IMPROVEMENTS AT ANDOVER STREET (ROUTE 133) AND RIVER ROAD	Qualitative	Qualitative Decrease in Emissions	0	
NM0003	FLEX FUNDING TO TRANSIT FOR GALLAGHER STAIRWELL AND CORRIDOR PROJECT	Qualitative	No assumed impact/negligible impact on emissions	0	
NM0004	FLEX FUNDING TO TRANSIT FOR GALLAGHER INTERMODAL TRANSPORTATION CENTER AND PARKING GARAGE WAYFINDING	Qualitative	No assumed impact/negligible impact on emissions	0	
NM0005	FLEX FUNDING TO TRANSIT FOR GALLAGHER II PARKING GARAGE DECK REPAIRS	Qualitative	No assumed impact/negligible impact on emissions	0	
NM0006	FLEX FUNDING TO TRANSIT FOR LRTA ADMIN OFFICE RENOVATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
2020	REGION: NORTHERN MIDDLESEX		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
OLD COLONY					
608088	BROCKTON - CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), FROM ANGUS BEATON DRIVE TO WEST STREET	Qualitative	Qualitative Decrease in Emissions	0	
608088	BROCKTON - CORRIDOR IMPROVEMENTS ON ROUTE 123 (BELMONT STREET), FROM ANGUS BEATON DRIVE TO WEST STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	205,185	
608266	PEMBROKE - RESURFACING AND RELATED WORK ON ROUTE 53	Qualitative	Qualitative Decrease in Emissions	0	
608820	BRIDGEWATER - BROCKTON - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 24	Qualitative	Qualitative Decrease in Emissions	0	
2020	REGION: OLD COLONY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-205,185	
			Total GHG Difference (kg/year)	-205,185	
PIONEER VALLEY					
400103	WESTFIELD- BRIDGE REPLACEMENT, W-25-006, ROUTE 10/202 (SOUTHWICK ROAD) OVER THE LITTLE RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
602911	CHICOPEE- CONNECTICUT RIVERWALK & BIKEWAY CONSTRUCTION, FROM BOAT RAMP NEAR I-90 TO NASH FIELD (2.5 MILES), INCLUDES NEW BRIDGE C-13-060 OVER OVERFLOW CHANNEL	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	73,253	
604434	CHICOPEE- RECONSTRUCTION & RELATED WORK ON FULLER ROAD, FROM MEMORIAL DR (RTE 33) TO SHAWINIGAN DR (2.0 MILES)	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	205,229	
604434	CHICOPEE- RECONSTRUCTION & RELATED WORK ON FULLER ROAD, FROM MEMORIAL DR (RTE 33) TO SHAWINIGAN DR (2.0 MILES)	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	
606552	NORTHAMPTON- BRIDGE RECONSTRUCTION, N-19-059, I-91 OVER US 5/BMRR & N-19-060, I-91 OVER HOCKANUM ROAD	Qualitative	No assumed impact/negligible impact on emissions	0	
607502	NORTHAMPTON- INTERSECTION IMPROVEMENTS AT KING STREET, NORTH STREET & SUMMER STREET AND AT KING STREET & FINN STREET	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
607502	NORTHAMPTON- INTERSECTION IMPROVEMENTS AT KING STREET, NORTH STREET & SUMMER STREET AND AT KING STREET & FINN STREET	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
608236	NORTHAMPTON- RECONSTRUCTION OF DAMON ROAD, FROM ROUTE 9 TO ROUTE 5, INCLUDES DRAINAGE SYSTEM REPAIRS & SLOPE STABILIZATION AT THE NORWOTTUCK	Quantified	Quantified Decrease in Emissions from Complete Streets Project	1,983	
608473	SOUTH HADLEY - RESURFACING AND RELATED WORK ON ROUTE 116	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608575	CHICOPEE TO HOLYOKE- GUIDE AND TRAFFIC SIGN REPLACEMENT ON I-391	Qualitative	Qualitative Decrease in Emissions	0	
608631	WESTHAMPTON- BRIDGE REPLACEMENT, W-27-005, KINGS HIGHWAY OVER N BRANCH MANHAN RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608718	SPRINGFIELD- INTERSECTION IMPROVEMENTS AT BERKSHIRE AVENUE, COTTAGE AND HARVEY STREETS	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
608718	SPRINGFIELD- INTERSECTION IMPROVEMENTS AT BERKSHIRE AVENUE, COTTAGE AND HARVEY STREETS	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
PV0001	NORTHAMPTON, AMHERST, CHICOPPE, EASTHAMPTON, HADLEY, HOLYOKE, SOUTH HADLEY, SPRINGFIELD, and WEST SPRINGFIELD: ValleyBike share (phase II)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	11,731	
PV0002	P 21 Express Year 3	Quantified	Quantified Decrease in Emissions from New/Additional Transit Service	28,901	
2020	REGION: PIONEER VALLEY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-321,097	
			Total GHG Difference (kg/year)	-321,097	
SOUTHEASTERN MASSACHUSETTS					
606718	NEW BEDFORD- INTERSECTION IMPROVEMENTS AT HATHAWAY ROAD, MOUNT PLEASANT STREET AND NAUSET STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	644,032	
607572	TAUNTON- CORRIDOR IMPROVEMENTS & RELATED WORK ON BROADWAY (ROUTE 138), FROM LEONARD STREET NORTHERLY TO PURCHASE STREET (PHASE 1)	Qualitative	Qualitative Decrease in Emissions	0	
607572	TAUNTON- CORRIDOR IMPROVEMENTS & RELATED WORK ON BROADWAY (ROUTE 138), FROM LEONARD STREET NORTHERLY TO PURCHASE STREET (PHASE 1)	Qualitative	Qualitative Decrease in Emissions	0	
607719	MIDDLEBOROUGH- INTERSECTION IMPROVEMENTS & RELATED WORK AT JOHN GLASS SQUARE	Qualitative	No assumed impact/negligible impact on emissions	0	
608499	DIGHTON- TAUNTON- RESURFACING AND RELATED WORK ON ROUTE 44	Qualitative	No assumed impact/negligible impact on emissions	0	
608825	MIDDLEBOROUGH - PAVEMENT PRESERVATION AND RELATED WORK ON I-495	Qualitative	No assumed impact/negligible impact on emissions	0	
609299	FALL RIVER- WESTPORT- INSTALLATION OF SIGN PANELS AND SUPPORTS AT EIGHT LOCATIONS ON I-195 AND ROUTE 24	Qualitative	No assumed impact/negligible impact on emissions	0	
2020	REGION: SOUTHEASTERN MASSACHUSETTS		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-644,032	
			Total GHG Difference (kg/year)	-644,032	
STATEWIDE					

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
606632	HOPKINTON- WESTBOROUGH- BRIDGE REPLACEMENT, H-23-006=W-24-016, FRUIT STREET OVER CSX & SUDBURY RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608378	DANVERS-TOPSFIELD-BOXFORD-ROWLEY IM RESURFACING AND RELATED WORK ON I-95	Qualitative	No assumed impact/negligible impact on emissions	0	
608378	DANVERS- TOPSFIELD- BOXFORD- ROWLEY- INTERSTATE MAINTENANCE AND RELATED WORK ON I-95	Qualitative	No assumed impact/negligible impact on emissions	0	
608550	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2020)	Qualitative	No assumed impact/negligible impact on emissions	0	
608592	DISTRICT 5- SYSTEMATIC BRIDGE PRESERVATION ALONG THE I-95 CORRIDOR	Qualitative	No assumed impact/negligible impact on emissions	0	
609084	DISTRICT 4- EXPANSION OF ITS ROADWAY DEVICES FOR HIGHWAY OPERATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	
609085	DISTRICT 5- EXPANSION OF ITS ROADWAY DEVICES FOR HIGHWAY OPERATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	
609378	DISTRICT 4- EXPANSION OF ITS ROADWAY DEVICES FOR HIGHWAY OPERATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	
609379	DISTRICT 5- EXPANSION OF ITS ROADWAY DEVICES FOR HIGHWAY OPERATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	
BRI20	Bridge Inspection	Qualitative	No assumed impact/negligible impact on emissions	0	
BRI20	Bridge Inspection	Qualitative	No assumed impact/negligible impact on emissions	0	
BRI20	Bridge Inspection	Qualitative	No assumed impact/negligible impact on emissions	0	
TBD	STATEWIDE - WRONG WAY ENTRY COUNTERMEASURES	Qualitative	No assumed impact/negligible impact on emissions	0	
TBD	STATEWIDE - CURVE WARNING SIGNS	Qualitative	No assumed impact/negligible impact on emissions	0	
TI20	Tunnel Inspection	Qualitative	No assumed impact/negligible impact on emissions	0	
2020	REGION: STATEWIDE		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
2020			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-7,323,748	
			Total GHG Difference (kg/year)	-7,323,748	
BERKSHIRE					
606406	HINSDALE- PERU- RECONSTRUCTION OF SKYLINE TRAIL (MIDDLEFIELD ROAD)	Qualitative	Qualitative Decrease in Emissions	0	
607570	LEE- BIKEWAY CONSTRUCTION, FROM STOCKBRIDGE T.L. TO WEST PARK STREET (PHASE 1)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	18,003	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608485	PITTSFIELD-LANESBOROUGH RESURFACING AND RELATED WORK ON ROUTE 8	Qualitative	Qualitative Decrease in Emissions	0	
608636	LENOX- BRIDGE REPLACEMENT, L-07-006, ROARING BROOK ROAD OVER ROARING BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
608642	NEW MARLBOROUGH- SUPERSTRUCURE REPLACEMENT, N-08-001, NORFOLK ROAD OVER UMPACHENE BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
608647	SAVOY- BRIDGE SUPERSTRUCTURE REPLACEMENT, S-06-003, CENTER ROAD OVER CENTER BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
608768	PITTSFIELD- RESURFACING AND RELATED WORK ON MERRILL ROAD, FROM JUNCTION ROAD TO EAST STREET	Qualitative	Qualitative Decrease in Emissions	0	
608768	PITTSFIELD- RESURFACING AND RELATED WORK ON MERRILL ROAD, FROM JUNCTION ROAD TO EAST STREET	Qualitative	Qualitative Decrease in Emissions	0	
608854	PITTSFIELD- BRIDGE REPLACEMENT, P-10-034, MILL STREET OVER W. BRANCH OF HOUSATONIC RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
609080	NEW MARLBOROUGH- SUPERSTRUCTURE REPLACEMENT, N-08-018, CANAAN-SOUTHFIELD ROAD OVER UMPACHENE RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
609081	NEW MARLBOROUGH- SUPERSTRUCTURE REPLACEMENT, N-08-017, LUMBERT CROSS ROAD OVER UMPACHENE RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
609164	NORTH ADAMS - BRIDGE MAINTENANCE (N-14-017) ROUTE 2 OVER HOOSIC 0 RIVER		No assumed impact/negligible impact on emissions	0	
2021	REGION: BERKSHIRE		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-18,003	
			Total GHG Difference (kg/year)	-18,003	
BOSTON					
602077	LYNN- RECONSTRUCTION ON ROUTE 129 (LYNNFIELD STREET), FROM GREAT WOODS ROAD TO WYOMA SQUARE	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
602077	LYNN- RECONSTRUCTION ON ROUTE 129 (LYNNFIELD STREET), FROM GREAT WOODS ROAD TO WYOMA SQUARE	Quantified	Quantified Decrease in Emissions from Complete Streets Project	12,761	
604173	BOSTON- BRIDGE REPLACEMENT, B-16-016, NORTH WASHINGTON STREET OVER THE BOSTON INNER HARBOR	Qualitative	No assumed impact/negligible impact on emissions	0	
604952	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	Qualitative	No assumed impact/negligible impact on emissions	0	
605287	CHELSEA- ROUTE 1 VIADUCT REHABILITATION (SB/NB) ON C-09-007 & C-09-011	Qualitative	No assumed impact/negligible impact on emissions	0	
606130	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1A & UPLAND ROAD/WASHINGTON STREET & PROSPECT STREET/FULTON STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	
606130	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1A & UPLAND ROAD/WASHINGTON STREET & PROSPECT STREET/FULTON STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	72,964	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
606453	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	1,920,790	
606453	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
606453	BOSTON- IMPROVEMENTS ON BOYLSTON STREET, FROM INTERSECTION OF BROOKLINE AVENUE & PARK DRIVE TO IPSWICH STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
606476	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	Qualitative	No assumed impact/negligible impact on emissions	0	
606476	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	Qualitative	No assumed impact/negligible impact on emissions	0	
606476	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	Qualitative	No assumed impact/negligible impact on emissions	0	
606476	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	Qualitative	No assumed impact/negligible impact on emissions	0	
606476	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	Qualitative	No assumed impact/negligible impact on emissions	0	
606501	HOLBROOK- RECONSTRUCTION OF UNION STREET (ROUTE 139), FROM LINFIELD STREET TO CENTRE STREET/WATER STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	4,097	
606501	HOLBROOK- RECONSTRUCTION OF UNION STREET (ROUTE 139), FROM LINFIELD STREET TO CENTRE STREET/WATER STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
606501	HOLBROOK- RECONSTRUCTION OF UNION STREET (ROUTE 139), FROM LINFIELD STREET TO CENTRE STREET/WATER STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
607305	READING- INTERSECTION SIGNALIZATION @ ROUTE 28 & HOPKINS STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	7,088	
607305	READING- INTERSECTION SIGNALIZATION @ ROUTE 28 & HOPKINS STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	
607342	MILTON- INTERSECTION & SIGNAL IMPROVEMENTS @ ROUTE 28 (RANDOLPH AVENUE) & CHICKATAWBUT ROAD	Qualitative	Qualitative Decrease in Emissions	0	
607477	LYNNFIELD-PEABODY RESURFACING AND RELATED WORK ON ROUTE 1	Qualitative	Qualitative Decrease in Emissions	0	
607748	ACTON- INTERSECTION & SIGNAL IMPROVEMENTS ON SR 2 & SR 111 (MASSACHUSETTS AVENUE) AT PIPER ROAD & TAYLOR ROAD	Qualitative	Qualitative Decrease in Emissions	0	
607761	SWAMPSCOTT- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 1A (PARADISE ROAD) AT SWAMPSCOTT MALL	Qualitative	Qualitative Decrease in Emissions	0	
607888	BOSTON- BROOKLINE- MULTI-USE PATH CONSTRUCTION ON NEW FENWAY	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	54,724	
607901	DEDHAM- PEDESTRIAN IMPROVEMENTS ALONG ELM STREET & RUSTCRAFT ROAD CORRIDORS	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	14,046	
608079	SHARON- BRIDGE REPLACEMENT, S-09-003 (40N), MASKWONICUT STREET OVER AMTRAK/MBTA	Qualitative	No assumed impact/negligible impact on emissions	0	
608146	MARBLEHEAD- INTERSECTION IMPROVEMENTS AT PLEASANT STREET & VILLAGE, VINE AND CROSS STREETS	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	531	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608208	QUINCY - MILTON - BOSTON - INTERSTATE MAINTENANCE AND RELATED WORK ON I-93	Qualitative	Qualitative Decrease in Emissions	0	
608228	FRAMINGHAM- RECONSTRUCTION OF UNION AVENUE, FROM PROCTOR STREET TO MAIN STREET	Quantified	Quantified Increase in Emissions	0	
608228	FRAMINGHAM- RECONSTRUCTION OF UNION AVENUE, FROM PROCTOR STREET TO MAIN STREET	Quantified	Quantified Increase in Emissions	0	
608228	FRAMINGHAM- RECONSTRUCTION OF UNION AVENUE, FROM PROCTOR STREET TO MAIN STREET	Quantified	Quantified Increase in Emissions	217,978	
608443	LITTLETON- AYER- INTERSECTION IMPROVEMENTS ON ROUTE 2A AT WILLOW ROAD AND BRUCE STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	
608443	LITTLETON- AYER- INTERSECTION IMPROVEMENTS ON ROUTE 2A AT WILLOW ROAD AND BRUCE STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	52,102	
608467	MARLBOROUGH- RESURFACING AND RELATED WORK ON ROUTE 20	Qualitative	Qualitative Decrease in Emissions	0	
608562	SOMERVILLE- SIGNAL AND INTERSECTION IMPROVEMENTS ON I-93 AT MYSTIC AVENUE AND MCGRATH HIGHWAY (TOP 200 CRASH LOCATION)	Qualitative	Qualitative Decrease in Emissions	0	
608596	ESSEX- SUPERSTRUCTURE REPLACEMENT, E-11-001 (2TV), ROUTE 133\MAIN STREET OVER ESSEX RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608610	NEWTON- STEEL SUPERSTRUCTURE CLEANING (FULL REMOVAL) AND PAINTING OF N-12-055	Qualitative	No assumed impact/negligible impact on emissions	0	
608637	MAYNARD- BRIDGE REPLACEMENT, M-10-006, CARRYING FLORIDA ROAD OVER THE ASSABET RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608911	BELMONT- IMPROVEMENTS AT WELLINGTON ELEMENTARY SCHOOL (SRTS)	Qualitative	Qualitative Decrease in Emissions	0	
609066	NEWTON- WESTON- MULTI-USE TRAIL CONNECTION, FROM RECREATION ROAD TO UPPER CHARLES RIVER GREENWAY INCLUDING RECONSTRUCTION OF PED BRIDGE N-12-078=W-29-062	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	380	
BN0009	COMMUNITY TRANSPORTATION PROGRAM	Qualitative	Qualitative Decrease in Emissions	0	
2021	REGION: BOSTON	Total GHG Increase (kg/year)		217,978	
		Total GHG Reduction (kg/year)		-2,139,483	
		Total GHG Difference (kg/year)		-1,921,505	
CAPE COD					
607319	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
607319	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607319	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
607319	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
608617	HARWICH- BRIDGE REPLACEMENT, H-10-019, AZALEA DRIVE OVER HERRING RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608666	ORLEANS- INTERSECTION IMPROVEMENTS AT ROUTE 28 (SOUTH ORLEANS ROAD), ROUTE 39 (HARWICH ROAD) AND QUANSET ROAD	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
609067	BARNSTABLE- CONSTRUCTION OF A SHARED USE PATH ALONG BEARSES WAY, FROM THE DPW DRIVEWAY TO PITCHERS WAY	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	1,697	
609098	WELLFLEET-TRURO - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 6	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
2021	REGION: CAPE COD	Total GHG Increase (kg/year)		0	
		Total GHG Reduction (kg/year)		-1,697	
		Total GHG Difference (kg/year)		-1,697	
CENTRAL MASSACHUSETTS					
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	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	GHG Numbers for this project calculated in FY 20
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	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	GHG Numbers for this project calculated in FY 20
605035	NEW BRAINTREE - RECONSTRUCTION & IMPROVEMENTS ON RAVINE ROAD AND HARDWICK ROAD FROM HARDWICK T.L. TO ROUTE 67 (BARRE RD) (2.6 MILES)	Qualitative	No assumed impact/negligible impact on emissions	0	
606220	HARDWICK - ROUTE 32 AT ROUTE 32A GILBERTVILLE ROADWAY IMPROVEMENTS	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	161	
607733	AUBURN - REHABILITATION OF AUBURN STREET, FROM WALSH AVENUE TO MILLBURY STREET	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	0	GHG Numbers calculated above
607733	AUBURN - REHABILITATION OF AUBURN STREET, FROM WALSH AVENUE TO MILLBURY STREET	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	75	
607733	AUBURN - REHABILITATION OF AUBURN STREET, FROM WALSH AVENUE TO MILLBURY STREET	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	0	GHG Numbers calculated above
607903	GRAFTON - RECLAMATION ON ROUTE 122A (MAIN STREET), FROM PROVIDENCE ROAD TO SUTTON T.L.	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	2,200	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608640	SUTTON- BRIDGE RECONSTRUCTION/REHABILITATION, S-33-004, CARRYING DEPOT STREET OVER THE BLACKSTONE RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
2021	REGION: CENTRAL MASSACHUSETTS		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-2,436	
			Total GHG Difference (kg/year)	-2,436	
FRANKLIN					
606463	BUCKLAND- RECONSTRUCTION & MINOR WIDENING ON CONWAY STREET, SOUTH STREET & CONWAY ROAD	Qualitative	No assumed impact/negligible impact on emissions	0	
607588	NORTHFIELD- CONSTRUCT BIKE/PED BRIDGE TO REPLACE N-22-002, SCHELL BRIDGE OVER THE CONNECTICUT RIVER	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	246	
2021	REGION: FRANKLIN		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-246	
			Total GHG Difference (kg/year)	-246	
MARTHA'S VINEYARD					
608142	OAK BLUFFS- CONSTRUCTION OF A SHARED USE PATH ALONG BEACH ROAD, FROM THE LAGOON POND BRIDGE NORTHERLY TO THE EASTVILLE AVENUE/COUNTY ROAD INTERSECTION -	Qualitative	Qualitative Decrease in Emissions	0	
608142	OAK BLUFFS - CONSTRUCTION OF A SHARED USE PATH ALONG BEACH ROAD, FROM THE LAGOON POND DRAWBRIDGE NORTHERLY TO THE EASTVILLE AVENUE/COUNTY ROAD INTERSECTION	Qualitative	Qualitative Decrease in Emissions	0	
2021	REGION: MARTHA S VINEYARD		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
MERRIMACK VALLEY					
605306	HAVERHILL- BRIDGE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
607541	GEORGETOWN- BOXFORD- BORDER TO BOSTON TRAIL, FROM GEORGETOWN ROAD TO WEST MAIN STREET (ROUTE 97)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	2,667	
608095	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	Qualitative	Qualitative Decrease in Emissions	0	AC Yr 1 of 2.
608095	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	Qualitative	Qualitative Decrease in Emissions	0	AC Yr 1 of 2.

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608095	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	Qualitative	Qualitative Decrease in Emissions	0	AC Yr 1 of 2.
608095	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	Qualitative	Qualitative Decrease in Emissions	0	AC Yr 1 of 2.
608298	GROVELAND- COMMUNITY TRAIL FROM MAIN STREET TO KING STREET	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	0	GHG CO2 Impact (kg / yr) shown above
608298	GROVELAND- COMMUNITY TRAIL FROM MAIN STREET TO KING STREET	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	0	GHG CO2 Impact (kg / yr) shown above
608298	GROVELAND- COMMUNITY TRAIL FROM MAIN STREET TO KING STREET	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	2,710	Emissions Reduction = 2,710 kg / yr
608494	NEWBURY-NEWBURYPORT-SALISBURY RESURFACING AND RELATED WORK ON US ROUTE 1	Qualitative	Qualitative Decrease in Emissions	0	
2021	REGION: MERRIMACK VALLEY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-5,377	
			Total GHG Difference (kg/year)	-5,377	
MONTACHUSETT					
607431	WESTMINSTER- RESURFACING & RELATED WORK ON ROUTE 140, FROM ROUTE 2A TO PATRICIA ROAD	Qualitative	No assumed impact/negligible impact on emissions	0	
608189	FITCHBURG- BRIDGE REPLACEMENT AND RELATED WORK, F-04-017, WATER STREET (STATE 2A) OVER BOULDER DRIVE AND PANAM RAILROAD & F-04-018, WATER STREET (ROUTE 12) OVER NORTH NASHUA RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608548	WINCHENDON- IMPROVEMENTS & RELATED WORK ON CENTRAL STREET (ROUTE 202), FROM FRONT STREET TO MAPLE STREET (0.5 MILES)	Qualitative	Qualitative Decrease in Emissions	0	
608779	LANCASTER- INTERSECTION IMPROVEMENTS ON ROUTE 117/ROUTE 70 AT LUNENBURG ROAD AND ROUTE 117/ROUTE 70 AT MAIN STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	595,522	
608888	GARDNER- RECLAMATION AND RELATED WORK ON PEARSON BOULEVARD	Qualitative	No assumed impact/negligible impact on emissions	0	
2021	REGION: MONTACHUSETT		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-595,522	
			Total GHG Difference (kg/year)	-595,522	
NORTHERN MIDDLESEX					
607885	LOWELL- PEDESTRIAN WALKWAY & BICYCLE CONNECTION AT PAWTUCKET FALLS OVERLOOK, FROM VANDENBERG ESPLANADE TO SCHOOL STREET	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	4,669	
608297	TEWKSBURY- RESURFACING AND SIDEWALK RECONSTRUCTION ON ROUTE 38 BEGINNING AT COLONIAL DRIVE NORTH TO THE INTERSECTION OF OLD BOSTON ROAD APPROXIMATELY 1.5 MILES	Qualitative	Qualitative Decrease in Emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608297	TEWKSBURY- RESURFACING AND SIDEWALK RECONSTRUCTION ON ROUTE 38 BEGINNING AT COLONIAL DRIVE NORTH TO THE INTERSECTION OF OLD BOSTON ROAD APPROXIMATELY 1.5 MILES	Qualitative	Qualitative Decrease in Emissions	0	
608603	DUNSTABLE-IMPROVEMENTS ON MAIN STREET (ROUTE 113), FROM PLEASANT STREET TO 750 FT EAST OF WESTFORD STREET	Qualitative	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	0	
608603	DUNSTABLE-IMPROVEMENTS ON MAIN STREET (ROUTE 113), FROM PLEASANT STREET TO 750 FT EAST OF WESTFORD STREET	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	0	
608603	DUNSTABLE-IMPROVEMENTS ON MAIN STREET (ROUTE 113), FROM PLEASANT STREET TO 750 FT EAST OF WESTFORD STREET	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	182	
2021	REGION: NORTHERN MIDDLESEX		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-4,851	
			Total GHG Difference (kg/year)	-4,851	
OLD COLONY					
607217	EASTON - ROUTE 123 (DEPOT STREET) RECONSTRUCTION FROM NEWELL CIRCLE TO ROUTE 138	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	132,863	
608086	AVON - INTERSECTION IMPROVEMENTS AT HARRISON BOULEVARD AND POND STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	989,860	
608496	AVON - STOUGHTON- RESURFACING AND RELATED WORK ON ROUTE 24	Qualitative	Qualitative Decrease in Emissions	0	
608829	STOUGHTON- IMPROVEMENTS AT WEST ELEMENTARY SCHOOL (SRTS)	Qualitative	Qualitative Decrease in Emissions	0	
2021	REGION: OLD COLONY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-1,122,723	
			Total GHG Difference (kg/year)	-1,122,723	
PIONEER VALLEY					
605032	HADLEY- RECONSTRUCTION ON ROUTE 9, FROM MIDDLE STREET TO MAPLE/SOUTH MAPLE STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	354	
606552	NORTHAMPTON- BRIDGE RECONSTRUCTION, N-19-059, I-91 OVER US 5/BMRR & N-19-060, I-91 OVER HOCKANUM ROAD	Qualitative	No assumed impact/negligible impact on emissions	0	
607773	WESTFIELD- IMPROVEMENTS & RELATED WORK ON ROUTE 20, COURT STEET & WESTERN AVENUE, LLOYDS HILL ROAD TO HIGH STREET/MILL STREET INTERSECTION (PHASE II)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	1,290	
608084	AMHERST- IMPROVEMENTS & RELATED WORK ON ROUTES 9 & 116, FROM UNIVERSITY DRIVE TO SOUTH PLEASANT STREET (0.8 MILES)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608084	AMHERST- IMPROVEMENTS & RELATED WORK ON ROUTES 9 & 116, FROM UNIVERSITY DRIVE TO SOUTH PLEASANT STREET (0.8 MILES)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	3,109	
608460	HADLEY- BRIDGE REPLACEMENT, H-01-005, BAY ROAD (ROUTE 47) OVER THE FORT RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608487	WESTFIELD - RESURFACING AND RELATED WORK ON ROUTES 10 AND 202	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
608489	WILBRAHAM - RESURFACING AND RELATED WORK ON ROUTE 20	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
608782	SPRINGFIELD- INTERSECTION IMPROVEMENTS AT COTTAGE STREET, INDUSTRY AVENUE AND ROBBINS ROAD	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
2021	REGION: PIONEER VALLEY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-4,753	
			Total GHG Difference (kg/year)	-4,753	
SOUTHEASTERN MASSACHUSETTS					
603796	MANSFIELD- BRIDGE REPLACEMENT, M-03-003 & M-03-045, BALCOM STREET OVER THE WADING RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
605888	TAUNTON- INTERCHANGE IMPROVEMENTS AT ROUTES 24 & 140, INCLUDING REPLACING T-01-045 AND T-01-046	Qualitative	Qualitative Decrease in Emissions	0	
605888	TAUNTON- INTERCHANGE IMPROVEMENTS AT ROUTES 24 & 140, INCLUDING REPLACING T-01-045 AND T-01-046	Qualitative	Qualitative Decrease in Emissions	0	
605888	TAUNTON- INTERCHANGE IMPROVEMENTS AT ROUTES 24 & 140, INCLUDING REPLACING T-01-045 AND T-01-046	Qualitative	Qualitative Decrease in Emissions	0	
606715	LAKEVILLE- RECONSTRUCTION AND RELATED WORK ON RHODE ISLAND ROAD (ROUTE 79), FROM THE TAUNTON CITY LINE TO CLEAR POND ROAD	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
608053	MANSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT SR 140 (COMMERCIAL STREET) & SR 106 (CHAUNCEY STREET)	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
608230	REHOBOTH- INTERSECTION IMPROVEMENTS & RELATED WORK AT WINTHROP STREET (ROUTE 44) AND ANAWAN STREET (ROUTE 118)	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
608267	RAYNHAM- RESURFACING AND RELATED WORK ON ROUTE 138	Qualitative	No assumed impact/negligible impact on emissions	0	
608481	SEEKONK RESURFACING AND RELATED WORK ON ROUTE 44	Qualitative	No assumed impact/negligible impact on emissions	0	
608536	NEW BEDFORD- INTERSECTION IMPROVEMENTS AND RELATED WORK AT ROCKDALE AVENUE AND ALLEN STREET	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
608616	TAUNTON- BRIDGE REPLACEMENT, T-01-024, SCADDING STREET OVER SNAKE RIVER.	Qualitative	No assumed impact/negligible impact on emissions	0	
608618	REHOBOTH- BRIDGE REPLACEMENT, R-04-004, REED STREET OVER PALMER RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608619	FALL RIVER- BRIDGE REPLACEMENT, F-02-019, WEAVER STREET OVER MASSACHUSETTS COASTAL RAILROAD	Qualitative	No assumed impact/negligible impact on emissions	0	
2021	REGION: SOUTHEASTERN MASSACHUSETTS		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
STATEWIDE					
608361	STATEWIDE INTELLIGENT TRANSPORTATION SYSTEMS, YEAR 2021, FOR CIP POLICY DEVELOPMENT PURPOSES ONLY	Qualitative	No assumed impact/negligible impact on emissions	0	
608551	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2021)	Qualitative	No assumed impact/negligible impact on emissions	0	
608590	DISTRICT 3- CLEAN AND PAINT STRUCTURAL STEEL BRIDGES ON I-190 AND I-290	Qualitative	No assumed impact/negligible impact on emissions	0	
608593	DISTRICT 5- SYSTEMATIC BRIDGE PRESERVATION ALONG THE I-195 CORRIDOR	Qualitative	No assumed impact/negligible impact on emissions	0	
608605	DISTRICT 4- ADA RETROFITS AT VARIOUS LOCATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	
608606	DISTRICT 5- ADA RETROFITS AT VARIOUS LOCATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	
608620	ANDOVER- TEWKSBURY- HIGHWAY LIGHTING SYSTEM REHABILITATION AND REPAIR AT THE INTERCHANGE OF INTERSTATE ROUTES 93 AND 495	Qualitative	No assumed impact/negligible impact on emissions	0	
TBD	STATEWIDE - CURVE WARNING SIGNS	Qualitative	No assumed impact/negligible impact on emissions	0	
2021	REGION: STATEWIDE	Total GHG Increase (kg/year)		0	
		Total GHG Reduction (kg/year)		0	
		Total GHG Difference (kg/year)		0	
2021		Total GHG Increase (kg/year)		217,978	
		Total GHG Reduction (kg/year)		-3,895,091	
		Total GHG Difference (kg/year)		-3,677,113	
BERKSHIRE					
606233	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	Qualitative	Qualitative Decrease in Emissions	0	
606233	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	Qualitative	Qualitative Decrease in Emissions	0	
606233	PITTSFIELD- INTERSECTION & SIGNAL IMPROVEMENTS AT FIRST STREET & NORTH STREET (NEAR BERKSHIRE MEDICAL CENTER)	Qualitative	Qualitative Decrease in Emissions	0	
606890	ADAMS- NORTH ADAMS- ASHUWILLTICOOK RAIL TRAIL EXTENSION TO ROUTE 8A (HODGES CROSS ROAD)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	23,423	
606890	ADAMS- NORTH ADAMS- ASHUWILLTICOOK RAIL TRAIL EXTENSION TO ROUTE 8A (HODGES CROSS ROAD)	Qualitative	Qualitative Decrease in Emissions	0	
608767	EGREMONT- RECONSTRUCTION AND RELATED WORK ON ROUTE 23/41, FROM CREAMERY ROAD TO NORTH UNDERMOUNTAIN ROAD	Qualitative	Qualitative Decrease in Emissions	0	
608767	EGREMONT- RECONSTRUCTION AND RELATED WORK ON ROUTE 23/41, FROM CREAMERY ROAD TO NORTH UNDERMOUNTAIN ROAD	Qualitative	Qualitative Decrease in Emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608813	LANESBOROUGH - RESURFACING AND RELATED WORK ON ROUTE 7	Qualitative	Qualitative Decrease in Emissions	0	
608856	OTIS- BRIDGE REPLACEMENT, O-05-007, TANNERY ROAD OVER W. BRANCH OF FARMINGTON RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608860	PITTSFIELD- BRIDGE REPLACEMENT, P-10-055, EAST NEW LENOX ROAD OVER SACKETT BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
609103	NORTH ADAMS - FLORIDA RESURFACING AND RELATED WORK ON ROUTE 2	Qualitative	Qualitative Decrease in Emissions	0	
609162	WILLIAMSTOWN- SYSTEMATIC BRIDGE MAINTENANCE, W-37-013, ROUTE 7 (MOODY BRIDGE) OVER HOOSIC RIVER & PAN-AM RR	Qualitative	No assumed impact/negligible impact on emissions	0	
2022 REGION: BERKSHIRE			Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-23,423	
			Total GHG Difference (kg/year)	-23,423	
BOSTON					
601607	HULL- RECONSTRUCTION OF ATLANTIC AVENUE AND RELATED WORK FROM NANTASKET AVENUE TO COHASSET TOWN LINE	Quantified	Quantified Decrease in Emissions from Complete Streets Project	6,586	
604173	BOSTON- BRIDGE REPLACEMENT, B-16-016, NORTH WASHINGTON STREET OVER THE BOSTON INNER HARBOR	Qualitative	No assumed impact/negligible impact on emissions	0	
604952	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	Qualitative	No assumed impact/negligible impact on emissions	0	
605857	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1 & UNIVERSITY AVENUE/EVERETT STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	
605857	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1 & UNIVERSITY AVENUE/EVERETT STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	
605857	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1 & UNIVERSITY AVENUE/EVERETT STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	1,092,131	
605857	NORWOOD- INTERSECTION IMPROVEMENTS @ ROUTE 1 & UNIVERSITY AVENUE/EVERETT STREET	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	
606476	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	Qualitative	No assumed impact/negligible impact on emissions	0	
606476	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	Qualitative	No assumed impact/negligible impact on emissions	0	
606476	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	Qualitative	No assumed impact/negligible impact on emissions	0	
607327	WILMINGTON- BRIDGE REPLACEMENT, W-38-002, ROUTE 38 (MAIN STREET) OVER THE B&M RAILROAD	Qualitative	No assumed impact/negligible impact on emissions	0	
607777	WATERTOWN- REHABILITATION OF MOUNT AUBURN STREET (ROUTE 16)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
607777	WATERTOWN- REHABILITATION OF MOUNT AUBURN STREET (ROUTE 16)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	536,769	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607777	WATERTOWN- REHABILITATION OF MOUNT AUBURN STREET (ROUTE 16)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608078	CHELSEA- RECONSTRUCTION ON BROADWAY (ROUTE 107), FROM CITY HALL AVENUE TO THE REVERE C.L.	Quantified	Quantified Decrease in Emissions from Complete Streets Project	93,278	
608078	CHELSEA- RECONSTRUCTION ON BROADWAY (ROUTE 107), FROM CITY HALL AVENUE TO THE REVERE C.L.	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608229	ACTON- INTERSECTION & SIGNAL IMPROVEMENTS AT KELLEY'S CORNER, ROUTE 111 (MASSACHUSETTS AVENUE) AND ROUTE 27 (MAIN STREET)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608229	ACTON- INTERSECTION & SIGNAL IMPROVEMENTS AT KELLEY'S CORNER, ROUTE 111 (MASSACHUSETTS AVENUE) AND ROUTE 27 (MAIN STREET)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	111,958	
608229	ACTON- INTERSECTION & SIGNAL IMPROVEMENTS AT KELLEY'S CORNER, ROUTE 111 (MASSACHUSETTS AVENUE) AND ROUTE 27 (MAIN STREET)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608255	STOW- BRIDGE REPLACEMENT, S-29-011, BOX MILL ROAD OVER ELIZABETH BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
608480	FOXBOROUGH - RESURFACING AND RELATED WORK ON US ROUTE 1	Qualitative	Qualitative Decrease in Emissions	0	
608567	PEABODY- IMPROVEMENTS AT ROUTE 114 AT SYLVAN STREET, CROSS STREET, NORTHSHORE MALL, LORIS ROAD, ROUTE 128 INTERCHANGE AND ESQUIRE DRIVE	Qualitative	Qualitative Decrease in Emissions	0	
608569	QUINCY- INTERSECTION IMPROVEMENTS AT ROUTE 3A (SOUTHERN ARTERY) AND BROAD STREET	Qualitative	Qualitative Decrease in Emissions	0	
608599	CANTON- SHARON- FOXBOROUGH- NORWOOD- WALPOLE- STORMWATER IMPROVEMENTS ALONG ROUTE 1, ROUTE 1A & INTERSTATE 95	Qualitative	No assumed impact/negligible impact on emissions	0	
608614	BOSTON- BRIDGE SUBSTRUCTURE REPAIRS, B-16-179, AUSTIN STREET OVER I-93 RAMPS, MBTA COMMUTER RAIL AND ORANGE LINE	Qualitative	No assumed impact/negligible impact on emissions	0	
608817	SALEM-LYNN - RESURFACING AND RELATED WORK ON RTE 107	Qualitative	Qualitative Decrease in Emissions	0	
608818	DANVERS - RESURFACING AND RELATED WORK ON ROUTE 114	Qualitative	Qualitative Decrease in Emissions	0	
608866	NEWTON- WESTON- STEEL SUPERSTRUCTURE CLEANING (FULL REMOVAL) AND PAINTING OF 3 BRIDGES: N-12-051, W-29-011 & W-29-028	Qualitative	No assumed impact/negligible impact on emissions	0	
608887	BELLINGHAM- REHABILITATION AND RELATED WORK ON ROUTE 126, FROM DOUGLAS DRIVE TO ROUTE 140	Quantified	Quantified Decrease in Emissions from Complete Streets Project	24,363	
608887	BELLINGHAM- REHABILITATION AND RELATED WORK ON ROUTE 126, FROM DOUGLAS DRIVE TO ROUTE 140	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608887	BELLINGHAM- REHABILITATION AND RELATED WORK ON ROUTE 126, FROM DOUGLAS DRIVE TO ROUTE 140	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608889	FRAMINGHAM- TRAFFIC SIGNAL INSTALLATION AT EDGELL ROAD AND CENTRAL STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	233,257	
608889	FRAMINGHAM- TRAFFIC SIGNAL INSTALLATION AT EDGELL ROAD AND CENTRAL STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608929	WILMINGTON- BRIDGE REPLACEMENT, W-38-003, BUTTERS ROW OVER MBTA	Qualitative	No assumed impact/negligible impact on emissions	0	
609060	LYNNFIELD- PEABODY- DANVERS- GUIDE AND TRAFFIC SIGN REPLACEMENT ON I-95/128 (TASK 'A' INTERCHANGE)	Qualitative	No assumed impact/negligible impact on emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
609090	BOSTON- MILTON- QUINCY- HIGHWAY LIGHTING SYSTEM REPLACEMENT ON I-93, FROM NEPONSET AVENUE TO THE BRAINTREE SPLIT	Qualitative	No assumed impact/negligible impact on emissions	0	
BN0009	COMMUNITY TRANSPORTATION PROGRAM	Qualitative	Qualitative Decrease in Emissions	0	
2022	REGION: BOSTON		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-2,098,342	
			Total GHG Difference (kg/year)	-2,098,342	
CAPE COD					
607319	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
607319	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
607319	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
607319	MASHPEE- CORRIDOR IMPROVEMENTS & RELATED WORK ON NATHAN ELLIS HIGHWAY (ROUTE 151), FROM MASHPEE ROTARY TO FALMOUTH T.L.	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
607398	YARMOUTH- BARNSTABLE- CAPE COD RAIL TRAIL EXTENSION, INCLUDES NEW BRIDGE OVER WILLOW STREET & RAILROAD (PHASE III)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	48,220	
608422	SANDWICH- CONSTRUCTION OF SHARED USE PATH ALONG SERVICE ROAD FROM ROUTE 130 TO CHASE ROAD	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	45,215	
608568	YARMOUTH- IMPROVEMENTS AT MAIN STREET (ROUTE 28) AT NORTH MAIN STREET AT OLD MAIN STREET	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
2022	REGION: CAPE COD		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-93,435	
			Total GHG Difference (kg/year)	-93,435	
CENTRAL MASSACHUSETTS					
605377	MILLBURY - RECONSTRUCTION ON MCCrackEN ROAD & GREENWOOD STREET, INCLUDES REHAB OF M-22-058, MCCrackEN ROAD OVER ACCESS ROAD	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	6,925	
608171	UXBRIDGE - RECONSTRUCTION OF ROUTE 122 (SOUTH MAIN STREET), FROM SUSAN PARKWAY TO ROUTE 16	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	489	
608171	UXBRIDGE - RECONSTRUCTION OF ROUTE 122 (SOUTH MAIN STREET), FROM SUSAN PARKWAY TO ROUTE 16	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	0	GHG Numbers Calculated Above

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608432	RUTLAND - RECONSTRUCTION OF ROUTE 56 (POMMOGUSSETT ROAD)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	118	
608490	UPTON-GRAFTON - RESURFACING AND RELATED WORK ON ROUTE 140	Qualitative	No assumed impact/negligible impact on emissions	0	
608491	UXBRIDGE - RESURFACING AND RELATED WORK ON ROUTE 16	Qualitative	No assumed impact/negligible impact on emissions	0	
608814	SPENCER-EAST BROOKFIELD - RESURFACING AND RELATED WORK ON ROUTE 9	Qualitative	No assumed impact/negligible impact on emissions	0	
608815	HOLDEN - RESURFAING AND RELATED WORK ON ROUTE 122A	Qualitative	No assumed impact/negligible impact on emissions	0	
608851	HARDWICK- NEW BRAINTREE- BRIDGE REPLACEMENT, H-08-003=N-07-002, CREAMERY ROAD OVER WARE RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608862	SOUTHBRIDGE- BRIDGE REPLACEMENT, S-21-009, MILL STREET OVER THE MCKINSTRY BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
608907	UXBRIDGE- BRIDGE REPLACEMENT, U-02-052, ROUTE 146 RAMP OVER EMERSON BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
2022	REGION: CENTRAL MASSACHUSETTS		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-7,532	
			Total GHG Difference (kg/year)	-7,532	
FRANKLIN					
606463	BUCKLAND- RECONSTRUCTION & MINOR WIDENING ON CONWAY STREET, SOUTH STREET & CONWAY ROAD	Qualitative	No assumed impact/negligible impact on emissions	0	
607610	BUCKLAND- CONSTRUCTION OF BICYCLE SHOULDERS ON ROUTE 112, FROM MOHAWK TRAIL REGIONAL HIGH SCHOOL TO NORTH STREET	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	199	
608414	GREENFIELD- INTERSECTION IMPROVEMENTS AT TWO LOCATIONS, ROUTE 2 AND COLRAIN ROAD & ROUTE 2 AND BIG Y ENTRANCE	Qualitative	Qualitative Decrease in Emissions	0	Project impact will be quantified when more information becomes available.
608414	GREENFIELD- INTERSECTION IMPROVEMENTS AT TWO LOCATIONS, ROUTE 2 AND COLRAIN ROAD & ROUTE 2 AND BIG Y ENTRANCE	Qualitative	Qualitative Decrease in Emissions	0	see project listing above
608849	LEVERETT- BRIDGE REPLACEMENT, L-09-003, MILLERS ROAD OVER ROARING BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
608855	ROWE- BRIDGE REPLACEMENT, R-10-008, CYRUS STAGE ROAD OVER POTTER BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
608858	CHARLEMONT- BRIDGE REPLACEMENT, C-05-042, EAST OXBOW ROAD OVER OXBOW BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
2022	REGION: FRANKLIN		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-199	
			Total GHG Difference (kg/year)	-199	
MARTHA'S VINEYARD					

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608142	OAK BLUFFS - CONSTRUCTION OF A SHARED USE PATH ALONG BEACH ROAD, FROM THE LAGOON POND DRAWBRIDGE NORTHERLY TO THE EASTVILLE AVENUE/COUNTY ROAD INTERSECTION	Qualitative	Qualitative Decrease in Emissions	0	
2022	REGION: MARTHA S VINEYARD		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
MERRIMACK VALLEY					
605306	HAVERHILL- BRIDGE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608095	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	Qualitative	Qualitative Decrease in Emissions	0	AC Yr 2 of 2.
608095	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	Qualitative	Qualitative Decrease in Emissions	0	AC Yr 2 of 2.
608095	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	Qualitative	Qualitative Decrease in Emissions	0	AC Yr 2 of 2.
608095	NORTH ANDOVER- CORRIDOR IMPROVEMENTS ON ROUTE 114, BETWEEN ROUTE 125 (ANDOVER STREET) & STOP & SHOP DRIVEWAY	Qualitative	Qualitative Decrease in Emissions	0	AC Yr 2 of 2.
608761	HAVERHILL- INTERSECTION RECONSTRUCTION ON ROUTE 108 (NEWTON ROAD) AT ROUTE 110 (KENOZA AVENUE AND AMESBURY ROAD)	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	8,307	
2022	REGION: MERRIMACK VALLEY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-8,307	
			Total GHG Difference (kg/year)	-8,307	
MONTACHUSETT					
604499	LEOMINSTER- RECONSTRUCTION/ REHABILITATION ON ROUTE 12 (CENTRAL STREET), INCLUDING REHABILITATION OF L-08-022	Qualitative	Qualitative Decrease in Emissions	0	
605296	FITCHBURG- BRIDGE PRESERVATION, F-04-011, CIRCLE STREET OVER NORTH NASHUA RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608850	PETERSHAM- BRIDGE REPLACEMENT, P-08-002, GLEN VALLEY ROAD OVER EAST BRANCH OF SWIFT RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
609108	GARDNER- BIKE PATH BRIDGE CONSTRUCTION, NORTH CENTRAL PATHWAY OVER ROUTE 140	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	476,405	
2022	REGION: MONTACHUSETT		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-476,405	
			Total GHG Difference (kg/year)	-476,405	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
NORTHERN MIDDLESEX					
605178	BILLERICA- REHABILITATION ON BOSTON ROAD (ROUTE 3A) FROM BILLERICA TOWN CENTER TO FLOYD STREET	Qualitative	Qualitative Decrease in Emissions	0	
608350	DRACUT-IMPROVEMENTS ON NASHUA ROAD	Qualitative	Qualitative Decrease in Emissions	0	
608350	DRACUT-IMPROVEMENTS ON NASHUA ROAD	Qualitative	Qualitative Decrease in Emissions	0	
608830	WESTFORD-BRIDGE REHABILITATION BEAVER BROOK ROAD OVER BEAVER BROOK (W-26-014)	Qualitative	Qualitative Decrease in Emissions	0	
608861	WESTFORD- BRIDGE REPLACEMENT, W-26-002, STONY BROOK ROAD OVER THE STONY BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
2022	REGION: NORTHERN MIDDLESEX		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
OLD COLONY					
606143	BROCKTON - INTERSECTION IMPROVEMENTS @ CRESCENT STREET (ROUTE 27)/ QUINCY STREET/ MASSASOIT BOULEVARD	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	94,824	
608279	STOUGHTON - INTERSECTION IMPROVEMENTS AND RELATED WORK AT CENTRAL STREET, CANTON STREET AND TOSCA DRIVE	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	83,068	
2022	REGION: OLD COLONY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-177,892	
			Total GHG Difference (kg/year)	-177,892	
PIONEER VALLEY					
604209	HOLYOKE-WEST SPRINGFIELD- REHABILITATION OF ROUTE 5	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
606450	HOLYOKE- TRAFFIC SIGNAL UPGRADES AT 15 INTERSECTIONS ALONG HIGH & MAPLE STREETS	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
606552	NORTHAMPTON- BRIDGE RECONSTRUCTION, N-19-059, I-91 OVER US 5/BMRR & N-19-060, I-91 OVER HOCKANUM ROAD	Qualitative	No assumed impact/negligible impact on emissions	0	
608157	SPRINGFIELD- MCKNIGHT COMMUNITY TRAIL CONSTRUCTION, FROM ARMORY STREET TO HAYDEN AVENUE (1.5 MILES)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	45,830	
608374	WEST SPRINGFIELD- RECONSTRUCTION OF MEMORIAL AVENUE (ROUTE 147), FROM COLONY ROAD TO THE MEMORIAL AVENUE ROTARY (1.4 MILES)	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
608466	BELCHERTOWN-GRANBY RESURFACING AND RELATED WORK ON ROUTE 202	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
608560	SPRINGFIELD- IMPROVEMENTS ON ST. JAMES AVENUE AT TAPLEY STREET	Qualitative	Qualitative Decrease in Emissions	0	To be quantified

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608565	SPRINGFIELD- IMPROVEMENTS ON ST. JAMES AVENUE AT ST. JAMES BOULEVARD AND CAREW STREET	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
608577	EASTHAMPTON- IMPROVEMENTS AND RELATED WORK ON UNION STREET (ROUTE 141) FROM PAYSON AVENUE TO HIGH STREET (0.36 MILES)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	3,170	
608719	AMHERST- BELCHERTOWN- NORWOTTUCK RAIL TRAIL RESURFACING, FROM STATION ROAD IN AMHERST TO WARREN WRIGHT ROAD IN BELCHERTOWN (1.5 MILES)	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
608846	MONSON- BRIDGE REPLACEMENT, M-27-015, OLD WALES ROAD OVER CONANT BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
608847	WALES- BRIDGE REPLACEMENT, W-02-002, HOLLAND ROAD OVER WALES BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
608869	NORTHAMPTON- BRIDGE REPLACEMENT, N-19-068, OLD SPRINGFIELD ROAD OVER THE MILL RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
2022	REGION: PIONEER VALLEY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-49,000	
			Total GHG Difference (kg/year)	-49,000	
SOUTHEASTERN MASSACHUSETTS					
605888	TAUNTON- INTERCHANGE IMPROVEMENTS AT ROUTES 24 & 140, INCLUDING REPLACING T-01-045 AND T-01-046	Qualitative	Qualitative Decrease in Emissions	0	
605888	TAUNTON- INTERCHANGE IMPROVEMENTS AT ROUTES 24 & 140, INCLUDING REPLACING T-01-045 AND T-01-046	Qualitative	Qualitative Decrease in Emissions	0	
606024	TAUNTON- RECONSTRUCTION OF ROUTE 44 (DEAN STREET), FROM ARLINGTON STREET TO ROUTE 104 (SOUTH MAIN STREET)	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
606024	TAUNTON- RECONSTRUCTION OF ROUTE 44 (DEAN STREET), FROM ARLINGTON STREET TO ROUTE 104 (SOUTH MAIN STREET)	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
606024	TAUNTON- RECONSTRUCTION OF ROUTE 44 (DEAN STREET), FROM ARLINGTON STREET TO ROUTE 104 (SOUTH MAIN STREET)	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
607339	ATTLEBORO- INTERSECTION IMPROVEMENTS AT ROUTE 1 (WASHINGTON STREET)/ROUTE 1A (NEWPORT AVENUE) AND ROUTE 123 (HIGHLAND AVENUE)	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	
607339	ATTLEBORO- INTERSECTION IMPROVEMENTS AT ROUTE 1 (WASHINGTON STREET)/ROUTE 1A (NEWPORT AVENUE) AND ROUTE 123 (HIGHLAND AVENUE)	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	
607339	ATTLEBORO- INTERSECTION IMPROVEMENTS AT ROUTE 1 (WASHINGTON STREET)/ROUTE 1A (NEWPORT AVENUE) AND ROUTE 123 (HIGHLAND AVENUE)	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	21,350	
607822	NORTON- MANSFIELD- RAIL TRAIL EXTENSION (WORLD WAR II VETERANS TRAIL)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	174,827	
608049	FALL RIVER- CORRIDOR IMPROVEMENTS ON ROUTE 79/DAVOL STREET	Qualitative	No assumed impact/negligible impact on emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608049	FALL RIVER- CORRIDOR IMPROVEMENTS ON ROUTE 79/DAVOL STREET	Qualitative	No assumed impact/negligible impact on emissions	0	
608049	FALL RIVER- CORRIDOR IMPROVEMENTS ON ROUTE 79/DAVOL STREET	Qualitative	No assumed impact/negligible impact on emissions	0	
608586	DARTMOUTH- CORRIDOR IMPROVEMENTS ON DARTMOUTH STREET AND PROSPECT STREET	Qualitative	No assumed impact/negligible impact on emissions	0	
608827	NORTH ATTLEBOROUGH-ATTLEBORO - INTERSTATE MAINTENANCE AND RELATED WORK ON I-295	Qualitative	No assumed impact/negligible impact on emissions	0	
609201	NEW BEDFORD- INTERSECTION IMPROVEMENTS ON ACUSHNET AVENUE AT PECKHAM ROAD/SASSAQUIN AVENUE	Qualitative	Qualitative Decrease in Emissions	0	
2022 REGION: SOUTHEASTERN MASSACHUSETTS				Total GHG Increase (kg/year)	0
				Total GHG Reduction (kg/year)	-196,177
				Total GHG Difference (kg/year)	-196,177
STATEWIDE					
608210	FOXBOROUGH-PLAINVILLE-WRENTHAM-FRANKLIN I. M. RESURFACING WORK ON I-495 (NORTHBOUND)	Qualitative	No assumed impact/negligible impact on emissions	0	
608574	BURLINGTON TO TYNGSBOROUGH- GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF US 3	Qualitative	No assumed impact/negligible impact on emissions	0	
608816	DRACUT-METHUEN - RESURFACING AND RELATED WORK ON RTE 110	Qualitative	No assumed impact/negligible impact on emissions	0	
608837	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2022)	Qualitative	No assumed impact/negligible impact on emissions	0	
608839	STATEWIDE INTELLIGENT TRANSPORTATION SYSTEMS, YEAR 2022, FOR CIP POLICY DEVELOPMENT PURPOSES ONLY	Qualitative	No assumed impact/negligible impact on emissions	0	
608863	DISTRICT 5- SYSTEMATIC BRIDGE PRESERVATION ALONG THE ROUTE 24 CORRIDOR	Qualitative	No assumed impact/negligible impact on emissions	0	
609056	HOLLAND TO STURBRIDGE- GUIDE AND TRAFFIC SIGN REPLACEMENT ON INTERSTATE 84	Qualitative	No assumed impact/negligible impact on emissions	0	
BRI22	Bridge Inspection	Qualitative	No assumed impact/negligible impact on emissions	0	
BRI22	Bridge Inspection	Qualitative	No assumed impact/negligible impact on emissions	0	
BRI22	Bridge Inspection	Qualitative	No assumed impact/negligible impact on emissions	0	
TBD	DISTRICT 4- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2022)	Qualitative	No assumed impact/negligible impact on emissions	0	
TBD	SAFE ROUTES TO SCHOOL	Qualitative	Qualitative Decrease in Emissions	0	
TI22	Tunnel Inspection	Qualitative	No assumed impact/negligible impact on emissions	0	



BERKSHIRE

604003	PITTSFIELD- RECONSTRUCTION OF EAST STREET (ROUTE 9)	Qualitative	Qualitative Decrease in Emissions	0
604003	PITTSFIELD- RECONSTRUCTION OF EAST STREET (ROUTE 9)	Qualitative	Qualitative Decrease in Emissions	0
605843	NORTH ADAMS- BRIDGE REPLACEMENT, N-14-016, ROUTE 2 OVER THE HOOSIC RIVER	Qualitative	No assumed impact/negligible impact on emissions	0
608737	DALTON- RECONSTRUCTION OF DALTON DIVISION ROAD	Qualitative	Qualitative Decrease in Emissions	0
608754	DALTON- INTERSECTION IMPROVEMENTS AT ROUTES 8 & 9 (MAIN ST) AT SOUTH ST & WEST HOUSATONIC ST	Qualitative	Qualitative Decrease in Emissions	0
608857	CHESHIRE- BRIDGE REPLACEMENT, C-10-002, SAND MILL ROAD OVER DRY BROOK	Qualitative	No assumed impact/negligible impact on emissions	0
609070	ALFORD- BRIDGE REPLACEMENT, A-06-004, WEST ROAD OVER SCRIBNER BROOK	Qualitative	No assumed impact/negligible impact on emissions	0
609072	WILLIAMSTOWN- BRIDGE REPLACEMENT, W-37-010, MAIN STREET OVER HEMLOCK BROOK	Qualitative	No assumed impact/negligible impact on emissions	0
609074	MONTEREY- BRIDGE REPLACEMENT, M-29-001, CURTIS ROAD OVER KONKAPOT RIVER	Qualitative	No assumed impact/negligible impact on emissions	0
609078	NEW MARLOBOROUGH- BRIDGE REPLACEMENT, N-08-020, KEYES HILL ROAD OVER UMPACHENE RIVER	Qualitative	No assumed impact/negligible impact on emissions	0
609105	WINDSOR - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 9	Qualitative	Qualitative Decrease in Emissions	0

2023	REGION: BERKSHIRE	Total GHG Increase (kg/year)		0
		Total GHG Reduction (kg/year)		0
		Total GHG Difference (kg/year)		0

BOSTON

603739	WRENTHAM - CONSTRUCTION OF A SLIP RAMP FROM ROUTE 1A NB TO I-495 SB AND ASSOCIATED INTERSECTION IMPROVEMENTS ALONG ROUTE 1A	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	1,233,486
--------	---	------------	---	-----------

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
603739	WRENTHAM - CONSTRUCTION OF A SLIP RAMP FROM ROUTE 1A NB TO I-495 SB AND ASSOCIATED INTERSECTION IMPROVEMENTS ALONG ROUTE 1A	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	
603739	WRENTHAM - CONSTRUCTION OF A SLIP RAMP FROM ROUTE 1A NB TO I-495 SB AND ASSOCIATED INTERSECTION IMPROVEMENTS ALONG ROUTE 1A	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	0	
604952	LYNN- SAUGUS- BRIDGE REPLACEMENT, L-18-016=S-05-008, ROUTE 107 OVER THE SAUGUS RIVER (AKA - BELDEN G. BLY BRIDGE)	Qualitative	No assumed impact/negligible impact on emissions	0	
605743	IPSWICH - RESURFACING & RELATED WORK ON CENTRAL & SOUTH MAIN STREETS	Quantified	Quantified Decrease in Emissions from Complete Streets Project	4,356	
605743	IPSWICH - RESURFACING & RELATED WORK ON CENTRAL & SOUTH MAIN STREETS	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
606476	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	Qualitative	No assumed impact/negligible impact on emissions	0	
606476	BOSTON- ROADWAY, CEILING & WALL RECONSTRUCTION, NEW JET FANS, AND OTHER CONTROL SYSTEMS IN SUMNER TUNNEL	Qualitative	No assumed impact/negligible impact on emissions	0	
606728	BOSTON- BRIDGE REPLACEMENT B-16-365, BOWKER OVERPASS OVER STORROW DRIVE (EB)	Qualitative	No assumed impact/negligible impact on emissions	0	
606902	BOSTON- BRIDGE RECONSTRUCTION/REHAB, B-16-181, WEST ROXBURY PARKWAY OVER MBTA	Qualitative	No assumed impact/negligible impact on emissions	0	
607244	WINTHROP - RECONSTRUCTION & RELATED WORK ALONG WINTHROP STREET & REVERE STREET CORRIDOR	Quantified	Quantified Decrease in Emissions from Complete Streets Project	252,816	
607244	WINTHROP - RECONSTRUCTION & RELATED WORK ALONG WINTHROP STREET & REVERE STREET CORRIDOR	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
607244	WINTHROP - RECONSTRUCTION & RELATED WORK ALONG WINTHROP STREET & REVERE STREET CORRIDOR	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
607899	DEDHAM - PEDESTRIAN IMPROVEMENTS ALONG BUSSEY STREET, INCLUDING SUPERSTRUCTURE REPLACEMENT, D-05-010, BUSSEY STREET OVER MOTHER BROOK	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
607899	DEDHAM - PEDESTRIAN IMPROVEMENTS ALONG BUSSEY STREET, INCLUDING SUPERSTRUCTURE REPLACEMENT, D-05-010, BUSSEY STREET OVER MOTHER BROOK	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	3,331	
608007	COHASSET/SCITUATE - CORRIDOR IMPROVEMENTS AND RELATED WORK ON JUSTICE CUSHING HIGHWAY (ROUTE 3A), FROM BEECHWOOD STREET TO HENRY TURNER BAILEY ROAD	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608007	COHASSET/SCITUATE - CORRIDOR IMPROVEMENTS AND RELATED WORK ON JUSTICE CUSHING HIGHWAY (ROUTE 3A), FROM BEECHWOOD STREET TO HENRY TURNER BAILEY ROAD	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608007	COHASSET/SCITUATE - CORRIDOR IMPROVEMENTS AND RELATED WORK ON JUSTICE CUSHING HIGHWAY (ROUTE 3A), FROM BEECHWOOD STREET TO HENRY TURNER BAILEY ROAD	Quantified	Quantified Decrease in Emissions from Complete Streets Project	5,849	
608051	WILMINGTON- RECONSTRUCTION OF ROUTE 38 (MAIN STREET), FROM ROUTE 62 TO THE WOBURN CITY LINE	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608051	WILMINGTON- RECONSTRUCTION OF ROUTE 38 (MAIN STREET), FROM ROUTE 62 TO THE WOBURN CITY LINE	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608051	WILMINGTON- RECONSTRUCTION OF ROUTE 38 (MAIN STREET), FROM ROUTE 62 TO THE WOBURN CITY LINE	Quantified	Quantified Decrease in Emissions from Complete Streets Project	492,160	
608052	NORWOOD- INTERSECTION & SIGNAL IMPROVEMENTS AT US 1 (PROVIDENCE HIGHWAY) & MORSE STREET	Qualitative	Qualitative Decrease in Emissions	0	
608197	BOSTON- SUPERSTRUCTURE REPLACEMENT, B-16-107, CANTERBURY STREET OVER AMTRAK/MBTA	Qualitative	No assumed impact/negligible impact on emissions	0	
608348	BEVERLY - RECONSTRUCTION OF BRIDGE STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	387,153	
608348	BEVERLY - RECONSTRUCTION OF BRIDGE STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608484	CANTON-MILTON - RESURFACING AND RELATED WORK ON ROUTE 138	Qualitative	Qualitative Decrease in Emissions	0	
608498	HINGHAM-WEYMOUTH-BRAINTREE - RESURFACING AND RELATED WORK ON ROUTE 53	Qualitative	Qualitative Decrease in Emissions	0	
608564	WATERTOWN- INTERSECTION IMPROVEMENTS AT ROUTE 16 AND GALEN STREET	Qualitative	Qualitative Decrease in Emissions	0	
608566	MARLBOROUGH- IMPROVEMENTS AT ROUTE 20 (EAST MAIN STREET) AT CURTIS AVENUE	Qualitative	Qualitative Decrease in Emissions	0	
608609	NEWTON- WESTWOOD- STEEL SUPERSTRUCTURE CLEANING (FULL REMOVAL) AND PAINTING OF 2 BRIDGES: N-12-056 & W-31-006	Qualitative	No assumed impact/negligible impact on emissions	0	
608707	QUINCY - RECONSTRUCTION OF SEA STREET	Quantified	Quantified Increase in Emissions	30,437	
608707	QUINCY - RECONSTRUCTION OF SEA STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608933	PEABODY - REHABILITATION OF CENTRAL STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608933	PEABODY - REHABILITATION OF CENTRAL STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608933	PEABODY - REHABILITATION OF CENTRAL STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	150,913	
608943	BOSTON- NEPONSET RIVER GREENWAY (PHASE 3)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	239,055	
609053	CANTON- DEDHAM- NORWOOD- HIGHWAY LIGHTING IMPROVEMENTS AT I-93 & I-95/128	Qualitative	No assumed impact/negligible impact on emissions	0	
BN0009	COMMUNITY TRANSPORTATION PROGRAM	Qualitative	Qualitative Decrease in Emissions	0	
2023	REGION: BOSTON		Total GHG Increase (kg/year)	30,437	
			Total GHG Reduction (kg/year)	-2,769,119	
			Total GHG Difference (kg/year)	-2,738,682	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
CAPE COD					
607397	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
607397	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
607397	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
607397	WELLFLEET- INTERSECTION IMPROVEMENTS & RELATED WORK AT ROUTE 6 & MAIN STREET	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
607405	CHATHAM- INTERSECTION IMPROVEMENTS & RELATED WORK AT MAIN STREET (ROUTE 28), DEPOT ROAD, QUEEN ANNE ROAD AND CROWELL ROAD	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
608264	YARMOUTH - RESURFACING AND RELATED WORK ON ROUTE 28	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
2023	REGION: CAPE COD	Total GHG Increase (kg/year)		0	
		Total GHG Reduction (kg/year)		0	
		Total GHG Difference (kg/year)		0	
CENTRAL MASSACHUSETTS					
606517	WEST BROOKFIELD - RESURFACING & RELATED WORK ON ROUTE 9, FROM WARE T.L. TO 850' WEST OF WELCOME ROAD (1.1 MILES - PHASE I)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	630	
608433	WEBSTER- INTERSECTION IMPROVEMENTS AT I-395 RAMPS (EXIT 2) AT ROUTE 16 (EAST MAIN STREET) AND SUTTON ROAD	Qualitative	Qualitative Decrease in Emissions	0	Quantitative Estimate TBD
608433	WEBSTER- INTERSECTION IMPROVEMENTS AT I-395 RAMPS (EXIT 2) AT ROUTE 16 (EAST MAIN STREET) AND SUTTON ROAD	Qualitative	Qualitative Decrease in Emissions	0	Quantitative Estimate TBD
608433	WEBSTER- INTERSECTION IMPROVEMENTS AT I-395 RAMPS (EXIT 2) AT ROUTE 16 (EAST MAIN STREET) AND SUTTON ROAD	Qualitative	Qualitative Decrease in Emissions	0	Quantitative Estimate TBD
608778	SOUTHBRIDGE - INTERSECTION IMPROVEMENTS AT CENTRAL STREET, FOSTER STREET, HOOK STREET AND HAMILTON STREET	Qualitative	Qualitative Decrease in Emissions	0	Quantitative Estimate TBD
608778	SOUTHBRIDGE - INTERSECTION IMPROVEMENTS AT CENTRAL STREET, FOSTER STREET, HOOK STREET AND HAMILTON STREET	Qualitative	Qualitative Decrease in Emissions	0	Quantitative Estimate TBD
608778	SOUTHBRIDGE - INTERSECTION IMPROVEMENTS AT CENTRAL STREET, FOSTER STREET, HOOK STREET AND HAMILTON STREET	Qualitative	Qualitative Decrease in Emissions	0	Quantitative Estimate TBD
608873	SPENCER - ROADWAY REHABILITATION OF MEADOW ROAD	Qualitative	Qualitative Decrease in Emissions	0	Quantitative Estimate TBD
608873	SPENCER - ROADWAY REHABILITATION OF MEADOW ROAD	Qualitative	Qualitative Decrease in Emissions	0	Quantitative Estimate TBD

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
609179	SPENCER-BRIDGE REPLACEMENT, S-23-12, NORTH SPENCER ROAD (ROUTE 31) OVER THE SEVEN MILE RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
609185	WORCESTER-BRIDGE RECONSTRUCTION AND RELATED WORK: BRIDGE NO. W-44-083 CARRYING HARRISON STREET OVER I 290 AND BRIDGE NO. W-44-093 CARRYING LAUREL STREET OVER I 290.	Qualitative	No assumed impact/negligible impact on emissions	0	
2023	REGION: CENTRAL MASSACHUSETTS		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-630	
			Total GHG Difference (kg/year)	-630	
FRANKLIN					
603371	ORANGE- RECONSTRUCTION OF NORTH MAIN STREET, FROM SCHOOL STREET TO LINCOLN AVENUE (0.4 MILES) INCL RELOCATION OF FALL HILL BROOK CULVERT	Quantified	Quantified Decrease in Emissions from Complete Streets Project	295	
608634	DEERFIELD- BRIDGE PRESERVATION D-06-001, UPPER ROAD OVER DEERFIELD RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608649	COLRAIN- BRIDGE DECK PRESERVATION, C-18-010 & C-18-012, ROUTE 112 OVER THE NORTH RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
609082	CONWAY- BRIDGE REPLACEMENT, C-20-004, NORTH POLAND ROAD OVER POLAND BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
2023	REGION: FRANKLIN		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-295	
			Total GHG Difference (kg/year)	-295	
MARTHA'S VINEYARD					
607586	EDGARTOWN / OAK BLUFFS - DRAINAGE IMPROVEMENTS & RELATED WORK ON EDGARTOWN-VINEYARD HAVEN ROAD.	Qualitative	No assumed impact/negligible impact on emissions	0	
2023	REGION: MARTHA S VINEYARD		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
MERRIMACK VALLEY					
602202	SALISBURY- RECONSTRUCTION OF ROUTE 1 (LAFAYETTE ROAD)	Qualitative	Qualitative Decrease in Emissions	0	
605306	HAVERHILL- BRIDGE REPLACEMENT, H-12-039, I-495 (NB & SB) OVER MERRIMACK RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
607542	GEORGETOWN- NEWBURY- BORDER TO BOSTON TRAIL (NORTHERN GEORGETOWN TO BYFIELD SECTION)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	15,682	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608788	HAVERHILL- ROADWAY RECONSTRUCTION ON NORTH AVENUE, FROM MAIN STREET (ROUTE 125) TO PLAISTOW NH	Qualitative	Qualitative Decrease in Emissions	0	
608930	LAWRENCE- LAWRENCE MANCHESTER RAIL CORRIDOR (LMRC) RAIL TRAIL	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	175,927	
TBD	HAVERHILL- BRIDGE REPLACEMENT, H-12-040, I-495 (NB & SB) OVER MERRIMACK RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
2023	REGION: MERRIMACK VALLEY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-191,609	
			Total GHG Difference (kg/year)	-191,609	
MONTACHUSETT					
607604	STERLING- WEST BOYLSTON- IMPROVEMENTS ON ROUTE 140 AT I-190	Qualitative	No assumed impact/negligible impact on emissions	0	
608784	TEMPLETON- ROUNDABOUT CONSTRUCTION AT THE INTERSECTION OF PATRIOTS ROAD, SOUTH MAIN STREET, NORTH MAIN STREET AND GARDNER ROAD	Qualitative	Qualitative Decrease in Emissions	0	
608793	HUBBARDSTON- HIGHWAY RECONSTRUCTION OF ROUTE 68 (MAIN STREET), FROM 1,000 FT NORTH OF WILLIAMSVILLE ROAD TO ELM STREET	Qualitative	Qualitative Decrease in Emissions	0	
608891	GARDNER- RESURFACING AND RUMBLE STRIP INSTALLATION ON ROUTE 140	Qualitative	No assumed impact/negligible impact on emissions	0	
609107	PHILLIPSTON - TEMPLETON - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 2	Qualitative	Qualitative Decrease in Emissions	0	
609187	HUBBARDSTON-BRIDGE REPLACEMENT, H-24-003, WILLIAMSVILE ROAD OVER BURNCHIRT RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
2023	REGION: MONTACHUSETT		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
NORTHERN MIDDLESEX					
605178	BILLERICA- REHABILITATION ON BOSTON ROAD (ROUTE 3A) FROM BILLERICA TOWN CENTER TO FLOYD STREET	Qualitative	Qualitative Decrease in Emissions	0	
605178	BILLERICA- REHABILITATION ON BOSTON ROAD (ROUTE 3A) FROM BILLERICA TOWN CENTER TO FLOYD STREET	Qualitative	Qualitative Decrease in Emissions	0	
608774	LOWELL-TEWKSBURY- ROUTE 38 INTERSECTION IMPROVEMENTS	Qualitative	Qualitative Decrease in Emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
2023	REGION: NORTHERN MIDDLESEX		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
OLD COLONY					
600380	PEMBROKE - REHABILITATION OF ROUTE 36 (CENTER STREET) FROM ROUTE 27 TO ROUTE 14	Quantified	Quantified Decrease in Emissions from Complete Streets Project	155,420	
609052	BROCKTON - ROUTE 123 (CENTRE STREET) AT PLYMOUTH STREET SIGNALIZATION AND GEOMETRIC IMPROVEMENTS	Quantified	Quantified Decrease in Emissions from Traffic Operational Improvement	79,683	
2023	REGION: OLD COLONY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-235,103	
			Total GHG Difference (kg/year)	-235,103	
PIONEER VALLEY					
606156	HOLYOKE- RECONSTRUCTION OF I-91 INTERCHANGE 17 & ROUTE 141	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
606552	NORTHAMPTON- BRIDGE RECONSTRUCTION, N-19-059, I-91 OVER US 5/BMRR & N-19-060, I-91 OVER HOCKANUM ROAD	Qualitative	No assumed impact/negligible impact on emissions	0	
606895	GRANBY- IMPROVEMENTS @ 2 LOCATIONS ON ROUTE 202: SCHOOL STREET & FIVE CORNERS	Quantified	Quantified Decrease in Emissions from Complete Streets Project	273	
606895	GRANBY- IMPROVEMENTS @ 2 LOCATIONS ON ROUTE 202: SCHOOL STREET & FIVE CORNERS	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
608163	WALES- RECONSTRUCTION & IMPROVEMENTS ON MONSON ROAD, FROM THE MONSON T.L. TO REED HILL ROAD (1.5 MILES)	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
608848	SPRINGFIELD- BRIDGE REPLACEMENT, S-24-016, ARMORY STREET OVER CSX MAINLINE	Qualitative	No assumed impact/negligible impact on emissions	0	
608853	SPRINGFIELD- BRIDGE REPLACEMENT, S-24-026, ARMORY STREET OVER CSX	Qualitative	No assumed impact/negligible impact on emissions	0	
2023	REGION: PIONEER VALLEY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-273	
			Total GHG Difference (kg/year)	-273	
SOUTHEASTERN MASSACHUSETTS					
606527	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	Qualitative	No assumed impact/negligible impact on emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607440	MATTAPOISETT- CORRIDOR IMPROVEMENTS AND RELATED WORK ON MAIN STREET, WATER STREET, BEACON STREET AND MARION ROAD	Qualitative	No assumed impact/negligible impact on emissions	0	
607871	DARTMOUTH- REALIGNMENT OF TUCKER ROAD TO ROUTE 6 AND HATHAWAY ROAD, INCLUDING INTERSECTION SIGNALIZATION	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
607871	DARTMOUTH- REALIGNMENT OF TUCKER ROAD TO ROUTE 6 AND HATHAWAY ROAD, INCLUDING INTERSECTION SIGNALIZATION	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
607979	MARION- SHARED USE PATH CONSTRUCTION (PHASE 1), FROM THE MARION-MATTAPOISETT T.L. TO POINT ROAD	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	20,145	
608479	ATTLEBORO-NORTH ATTLEBOROUGH- RESURFACING AND RELATED WORK ON US ROUTE 1	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
608535	NEW BEDFORD- CORRIDOR IMPROVEMENTS AND RELATED WORK ON COUNTY STREET FROM NELSON STREET TO UNION STREET	Qualitative	No assumed impact/negligible impact on emissions	0	
608934	PLAINVILLE- INTERSECTION IMPROVEMENTS AT WASHINGTON STREET (ROUTE 1) AND GEORGE STREET	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
609063	ATTLEBORO- NORTH ATTLEBOROUGH-GUIDE AND TRAFFIC SIGN REPLACEMENT ON INTERSTATE 295	Qualitative	No assumed impact/negligible impact on emissions	0	
2023	REGION: SOUTHEASTERN MASSACHUSETTS		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-20,145	
			Total GHG Difference (kg/year)	-20,145	
STATEWIDE					
609023	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS (2023)	Qualitative	No assumed impact/negligible impact on emissions	0	
609037	DISTRICT 5- SYSTEMATIC BRIDGE PRESERVATION ALONG THE I-195 CORRIDOR	Qualitative	No assumed impact/negligible impact on emissions	0	
609040	DISTRICT 3- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	
609062	WORCESTER- LEOMINSTER- GUIDE AND TRAFFIC SIGN REPLACEMENT ON INTERSTATE 190	Qualitative	No assumed impact/negligible impact on emissions	0	
609064	WAREHAM TO BOURNE- GUIDE AND TRAFFIC SIGN REPLACEMENT ON ROUTE 25	Qualitative	No assumed impact/negligible impact on emissions	0	
609086	STATEWIDE INTELLIGENT TRANSPORTATION SYSTEMS, YEAR 2023, FOR CIP POLICY DEVELOPMENT PURPOSES ONLY	Qualitative	No assumed impact/negligible impact on emissions	0	
609099	MILFORD-HOPKINTON-WESTBOROUGH-SOUTHBOROUGH - PAVEMENT PRESERVATION AND RELATED WORK ON I-495	Qualitative	No assumed impact/negligible impact on emissions	0	
609177	DISTRICT 4- ADA RETROFITS AT VARIOUS LOCATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	
609178	DISTRICT 6 - ADA RETROFITS AT VARIOUS LOCATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	
TBD	SAFE ROUTES TO SCHOOL	Qualitative	Qualitative Decrease in Emissions	0	
TBD	DISTRICT 4- SYSTEMATIC BRIDGE PRESERVATION	Qualitative	No assumed impact/negligible impact on emissions	0	



BERKSHIRE

608737	DALTON- RECONSTRUCTION OF DALTON DIVISION ROAD	Qualitative	Qualitative Decrease in Emissions	0
608859	TYRINGHAM- BRIDGE REPLACEMENT, T-10-003, JERUSALEM ROAD OVER HOP BROOK	Qualitative	No assumed impact/negligible impact on emissions	0
609068	SHEFFIELD- BRIDGE REPLACEMENT, S-10-015, KELSEY ROAD OVER SCHENOB BROOK,	Qualitative	No assumed impact/negligible impact on emissions	0
609069	BECKET- BRIDGE REPLACEMENT, B-03-045, QUARRY ROAD OVER CUSHMAN BROOK	Qualitative	No assumed impact/negligible impact on emissions	0
609076	GREAT BARRINGTON- BRIDGE REPLACEMENT, G-11-006, COTTAGE STREET OVER HOUSATONIC RIVER	Qualitative	No assumed impact/negligible impact on emissions	0
609289	PITTSFIELD- ASHUWILLTICOOK BIKE TRAIL EXTENSION, CRANE AVENUE TO MERRILL ROAD	Qualitative	Qualitative Decrease in Emissions	0
609394	CHESHIRE - ADAMS - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 8	Qualitative	Qualitative Decrease in Emissions	0
609428	LANESBOROUGH-BRIDGE REPLACEMENT, L-03-010, BRIDGE STREET OVER TOWN BROOK	Qualitative	No assumed impact/negligible impact on emissions	0

2024	REGION: BERKSHIRE	Total GHG Increase (kg/year)			0
		Total GHG Reduction (kg/year)			0
		Total GHG Difference (kg/year)			0

BOSTON

605168	HINGHAM- INTERSECTION IMPROVEMENTS AT ROUTE 3A/SUMMER STREET ROTARY	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0
605168	HINGHAM- INTERSECTION IMPROVEMENTS AT ROUTE 3A/SUMMER STREET ROTARY	Quantified	Quantified Decrease in Emissions from Complete Streets Project	284,736
607329	WAKEFIELD- LYNNFIELD- RAIL TRAIL EXTENSION, FROM THE GALVIN MIDDLE SCHOOL TO LYNNFIELD/PEABODY T.L.	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	158,032

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
607759	BOSTON- INTERSECTION & SIGNAL IMPROVEMENTS AT THE VFW PARKWAY & SPRING STREET	Qualitative	Qualitative Decrease in Emissions	0	
608006	FRAMINGHAM- PEDESTRIAN HYBRID BEACON INSTALLATION AT ROUTE 9 AND MAYNARD ROAD	Qualitative	No assumed impact/negligible impact on emissions	0	
608045	MILFORD- REHABILITATION ON ROUTE 16, FROM ROUTE 109 TO BEAVER STREET	Quantified	Quantified Increase in Emissions	38,500	
608045	MILFORD- REHABILITATION ON ROUTE 16, FROM ROUTE 109 TO BEAVER STREET	Quantified	Quantified Increase in Emissions	0	
608436	ASHLAND- REHABILITATION AND RAIL CROSSING IMPROVEMENTS ON CHERRY STREET	Qualitative	No assumed impact/negligible impact on emissions	0	
608495	CONCORD-LINCOLN-LEXINGTON RESURFACING AND RELATED WORK ON ROUTE 2A	Qualitative	Qualitative Decrease in Emissions	0	
608522	MIDDLETON- BRIDGE REPLACEMENT, M-20-003, ROUTE 62 (MAPLE STREET) OVER IPSWICH RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
608703	WILMINGTON- BRIDGE REPLACEMENT, W-38-029 (2KV), ST 129 LOWELL STREET OVER I 93	Qualitative	No assumed impact/negligible impact on emissions	0	
608948	BELLINGHAM- FRANKLIN- SOUTHERN NEW ENGLAND TRUNK TRAIL (SNETT) CONSTRUCTION	Qualitative	Qualitative Decrease in Emissions	0	
608995	SUDBURY- STOW- HUDSON- MASS CENTRAL RAIL TRAIL WAYSIDE	Qualitative	Qualitative Decrease in Emissions	0	
609054	LITTLETON- RECONSTRUCTION OF FOSTER STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
609054	LITTLETON- RECONSTRUCTION OF FOSTER STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	1,140	
609054	LITTLETON- RECONSTRUCTION OF FOSTER STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
609058	PEABODY TO GLOUCESTER- GUIDE AND TRAFFIC SIGN REPLACEMENT ON ROUTE 128	Qualitative	No assumed impact/negligible impact on emissions	0	
609211	PEABODY- INDEPENDENCE GREENWAY EXTENSION	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	0	
609211	PEABODY- INDEPENDENCE GREENWAY EXTENSION	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	36,651	
609252	LYNN- REHABILITATION OF ESSEX STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
609252	LYNN- REHABILITATION OF ESSEX STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
609252	LYNN- REHABILITATION OF ESSEX STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	411,394	
609253	WILMINGTON- INTERSECTION IMPROVEMENTS AT LOWELL STREET (ROUTE 129) AND WOBURN STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
609253	WILMINGTON- INTERSECTION IMPROVEMENTS AT LOWELL STREET (ROUTE 129) AND WOBURN STREET	Quantified	Quantified Decrease in Emissions from Complete Streets Project	494,197	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
609254	LYNN- INTERSECTION IMPROVEMENTS AT TWO INTERSECTIONS ON BROADWAY	Qualitative	Qualitative Decrease in Emissions	0	
609257	EVERETT- REHABILITATION OF BEACHAM STREET, FROM ROUTE 99 TO CHELSEA CITY LINE	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
609257	EVERETT- REHABILITATION OF BEACHAM STREET, FROM ROUTE 99 TO CHELSEA CITY LINE	Quantified	Quantified Decrease in Emissions from Complete Streets Project	0	
609257	EVERETT- REHABILITATION OF BEACHAM STREET, FROM ROUTE 99 TO CHELSEA CITY LINE	Quantified	Quantified Decrease in Emissions from Complete Streets Project	4,038	
609396	RANDOLPH - MILTON - RESURFACING AND RELATED WORK ON ROUTE 28	Qualitative	Qualitative Decrease in Emissions	0	
609399	RANDOLPH - RESURFACING AND RELATED WORK ON ROUTE 28	Qualitative	Qualitative Decrease in Emissions	0	
609402	FRAMINGHAM - NATICK - RESURFACING AND RELATED WORK ON ROUTE 9	Qualitative	Qualitative Decrease in Emissions	0	
609438	CANTON-BRIDGE REPLACEMENT, C-02-042, REVERE COURT OVER EAST BRANCH NEPONSET RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
609467	HAMILTON-BRIDGE REPLACEMENT, WINTHROP STREET OVER IPSWICH RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
BN0009	COMMUNITY TRANSPORTATION PROGRAM	Qualitative	Qualitative Decrease in Emissions	0	
2024	REGION: BOSTON		Total GHG Increase (kg/year)	38,500	
			Total GHG Reduction (kg/year)	-1,390,188	
			Total GHG Difference (kg/year)	-1,351,688	
CAPE COD					
606082	BOURNE - MEDIAN INSTALLATION ON ROUTE 6	Qualitative	No assumed impact/negligible impact on emissions	0	
608742	DENNIS- HARWICH- RECONSTRUCTION & RELATED WORK ON MAIN STREET (ROUTE 28), FROM UPPER COUNTY ROAD TO THE HERRING RIVER BRIDGE	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
608742	DENNIS- HARWICH- RECONSTRUCTION & RELATED WORK ON MAIN STREET (ROUTE 28), FROM UPPER COUNTY ROAD TO THE HERRING RIVER BRIDGE	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
608742	DENNIS- HARWICH- RECONSTRUCTION & RELATED WORK ON MAIN STREET (ROUTE 28), FROM UPPER COUNTY ROAD TO THE HERRING RIVER BRIDGE	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
608744	PROVINCETOWN- CORRIDOR IMPROVEMENTS AND RELATED WORK ON SHANK PAINTER ROAD, FROM ROUTE 6 TO BRADFORD STREET	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
608744	PROVINCETOWN- CORRIDOR IMPROVEMENTS AND RELATED WORK ON SHANK PAINTER ROAD, FROM ROUTE 6 TO BRADFORD STREET	Qualitative	Qualitative Decrease in Emissions	0	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure
609262	BOURNE- RAIL TRAIL CONSTRUCTION (PHASE 1)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	652	Assumed Nominal Decrease in Emissions from Sidewalk and Bicycle Infrastructure

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
2024	REGION: CAPE COD		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-652	
			Total GHG Difference (kg/year)	-652	
CENTRAL MASSACHUSETTS					
608573	UXBRIDGE TO WORCESTER - GUIDE AND TRAFFIC SIGN REPLACEMENT ON A SECTION OF ROUTE 146	Qualitative	No assumed impact/negligible impact on emissions	0	
608757	WORCESTER- INTERSECTION IMPROVEMENTS AT WEST MOUNTAIN STREET AT I-190 FRONTAGE ROAD & BROOKS STREET EXTENSION	Qualitative	Qualitative Decrease in Emissions	0	
608961	WORCESTER - INTERSECTION IMPROVEMENTS ON CHANDLER STREET AND MAY STREET	Qualitative	Qualitative Decrease in Emissions	0	Quantitative Estimates TBD
608961	WORCESTER - INTERSECTION IMPROVEMENTS ON CHANDLER STREET AND MAY STREET	Qualitative	Qualitative Decrease in Emissions	0	Quantitative Estimates TBD
609049	WEST BROOKFIELD - RESURFACING AND RELATED WORK ON ROUTE 9, FROM 850' WEST OF WELCOME ROAD TO PIERCE ROAD (1 MILE - PHASE II)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	85	
609186	DUDLEY- SUPERSTRUCTURE REPLACEMENT, D-12-026, ROUTE 131 OVER QUINEBAUG RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
609219	HOLDEN - PAVEMENT REHABILITATION ON SHREWSBURY STREET AND DOYLE ROAD, FROM MAIN STREET TO BRATTLE STREET	Qualitative	Qualitative Decrease in Emissions	0	Quantitative Estimates TBD
609219	HOLDEN - PAVEMENT REHABILITATION ON SHREWSBURY STREET AND DOYLE ROAD, FROM MAIN STREET TO BRATTLE STREET	Qualitative	Qualitative Decrease in Emissions	0	Quantitative Estimates TBD
TBD	SUTTON-BRIDGE REPLACEMENT, S-33-002, MANCHAUG RAOD OVER MUMFORD RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
2024	REGION: CENTRAL MASSACHUSETTS		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-85	
			Total GHG Difference (kg/year)	-85	
FRANKLIN					
608724	GREENFIELD- RECONSTRUCTION OF WISDOM WAY, FROM 480 FEET EAST OF PETTY PLAIN ROAD TO MILL STREET (0.43 MILES)	Quantified	Quantified Decrease in Emissions from Complete Streets Project	5,127	
609398	ERVING - RESURFACING AND RELATED WORK ON ROUTE 2	Qualitative	Qualitative Decrease in Emissions	0	
609427	MONTAGUE-BRIDGE REPLACEMENT, M-28-026, SOUTH STREET OVER SAWMILL RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
2024	REGION: FRANKLIN		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-5,127	
			Total GHG Difference (kg/year)	-5,127	
MARTHA'S VINEYARD					
609459	Tisbury Drainage Improvements	Qualitative	No assumed impact/negligible impact on emissions	0	
2024	REGION: MARTHA S VINEYARD		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
MERRIMACK VALLEY					
605304	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)	Qualitative	No assumed impact/negligible impact on emissions	0	
606522	ANDOVER- BRIDGE REHABILITATION, A-09-036, I-495 OVER ST 28 (SB), A-09-037, I-495 OVER B&M AND MBTA, A-09-041, I-495 OVER ST 28 (NB)	Qualitative	No assumed impact/negligible impact on emissions	0	
608788	HAVERHILL- ROADWAY RECONSTRUCTION ON NORTH AVENUE, FROM MAIN STREET (ROUTE 125) TO PLAISTOW NH	Qualitative	Qualitative Decrease in Emissions	0	
TBD	HAVERHILL- BRIDGE REPLACEMENT, H-12-040, I-495 (NB & SB) OVER MERRIMACK RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
2024	REGION: MERRIMACK VALLEY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
MONTACHUSETT					
608561	LEOMINSTER- IMPROVEMENTS AT ROUTE 12 (NORTH MAIN STREET) AT HAMILTON STREET; ROUTE 12 (NORTH MAIN STREET) AT NELSON STREET	Qualitative	No assumed impact/negligible impact on emissions	0	
608832	LANCASTER- INTERCHANGE IMPROVEMENTS AT ROUTE 2 EXIT 34 (OLD UNION TURNPIKE)	Qualitative	No assumed impact/negligible impact on emissions	0	
609244	ASHBURNHAM- RESURFACING & RELATED WORK ON ROUTE 101	Qualitative	No assumed impact/negligible impact on emissions	0	
2024	REGION: MONTACHUSETT		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
NORTHERN MIDDLESEX					
607401	CHELMSFORD- TRAFFIC SIGNAL INSTALLATION AT ROUTE 110 & ROUTE 495 (2 LOCATIONS)	Qualitative	Qualitative Decrease in Emissions	0	
608227	BILLERICA- YANKEE DOODLE BIKE PATH CONSTRUCTION (PHASE I)	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	147,642	
609035	WESTFORD- REHABILITATION OF BOSTON ROAD	Qualitative	Qualitative Decrease in Emissions	0	
609035	WESTFORD- REHABILITATION OF BOSTON ROAD	Qualitative	Qualitative Decrease in Emissions	0	
2024	REGION: NORTHERN MIDDLESEX		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-147,642	
			Total GHG Difference (kg/year)	-147,642	
OLD COLONY					
607403	STOUGHTON - CORRIDOR IMPROVEMENTS ON ROUTE 138	Quantified	Quantified Decrease in Emissions from Bicycle and Pedestrian Infrastructure	11,779	
609435	PLYMPTON-BRIDGE REPLACEMENT, WINNETUXET ROAD OVER WINNETUXET RIVER	Qualitative	Qualitative Decrease in Emissions	0	
2024	REGION: OLD COLONY		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	-11,779	
			Total GHG Difference (kg/year)	-11,779	
PIONEER VALLEY					
606552	NORTHAMPTON- BRIDGE RECONSTRUCTION, N-19-059, I-91 OVER US 5/BMRR & N-19-060, I-91 OVER HOCKANUM ROAD	Qualitative	No assumed impact/negligible impact on emissions	0	
608717	SPRINGFIELD- RECONSTRUCTION OF SUMNER AVENUE AT DICKINSON STREET AND BELMONT AVENUE (THE X)	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
608717	SPRINGFIELD- RECONSTRUCTION OF SUMNER AVENUE AT DICKINSON STREET AND BELMONT AVENUE (THE X)	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
608717	SPRINGFIELD- RECONSTRUCTION OF SUMNER AVENUE AT DICKINSON STREET AND BELMONT AVENUE (THE X)	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
608717	SPRINGFIELD- RECONSTRUCTION OF SUMNER AVENUE AT DICKINSON STREET AND BELMONT AVENUE (THE X)	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
609287	WORTHINGTON- RECONSTRUCTION & RELATED WORK ON ROUTE 143 (PHASE II) FROM PERU T.L. TO COLD STREET	Qualitative	Qualitative Decrease in Emissions	0	To be quantified
609395	BELCHERTOWN-WARE - PAVEMENT PRESERVATION AND RELATED WORK ON ROUTE 9	Qualitative	No assumed impact/negligible impact on emissions	0	



SOUTHEASTERN MASSACHUSETTS					
606527	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	Qualitative	No assumed impact/negligible impact on emissions	0	
607825	WAREHAM- CONSTRUCTION OF BIKE LANES ALONG NARROWS ROAD AND A SHARED USE PATH ADJACENT TO MINOT AVENUE INCLUDING RELATED WORK	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
607825	WAREHAM- CONSTRUCTION OF BIKE LANES ALONG NARROWS ROAD AND A SHARED USE PATH ADJACENT TO MINOT AVENUE INCLUDING RELATED WORK	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
608049	FALL RIVER- CORRIDOR IMPROVEMENTS ON ROUTE 79/DAVOL STREET	Qualitative	No assumed impact/negligible impact on emissions	0	
608563	SWANSEA- IMPROVEMENTS ON ROUTE 6 (GRAND ARMY OF THE REPUBLIC HIGHWAY) AT GARDNERS NECK ROAD	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
608572	DARTMOUTH TO RAYNHAM- GUIDE AND TRAFFIC SIGN REPLACEMENT ON SECTIONS OF I-195 AND I-495	Qualitative	No assumed impact/negligible impact on emissions	0	
608753	TAUNTON- CORRIDOR IMPROVEMENTS AND RELATED WORK ON BROADWAY (ROUTE 138), FROM PURCHASE STREET TO JACKSON STREET (PHASE 2)	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
608759	SWANSEA- TRAFFIC SIGNAL AND SAFETY IMPROVEMENTS AT THREE INTERSECTIONS ON ROUTE 6	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
608944	MANSFIELD- RECONSTRUCTION ON CHAUNCY STREET (ROUTE 106)	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
608944	MANSFIELD- RECONSTRUCTION ON CHAUNCY STREET (ROUTE 106)	Qualitative	Qualitative Decrease in Emissions	0	Insufficient information at present time to complete analysis
609434	FALL RIVER, BRIDGE REPLACEMENT, F-02-114, JEFFERSON STREET OVER SUCKER BROOK	Qualitative	No assumed impact/negligible impact on emissions	0	
2024	REGION: SOUTHEASTERN MASSACHUSETTS		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	

STATEWIDE					
608203	MARLBORO-HUDSON-BERLIN - RESURFACING AND RELATED WORK ON I-495	Qualitative	No assumed impact/negligible impact on emissions	0	

MassDOT ProjectID	MassDOT Project Description	GHG Analysis Type	GHG Impact Description	GHG Impact Amount (kg/year)	Comment
608826	TEWKSBURY-ANDOVER - INTERSTATE MAINTENANCE RESURFACING AND RELATED WORK ON I-93	Qualitative	No assumed impact/negligible impact on emissions	0	
609058	PEABODY TO GLOUCESTER- GUIDE AND TRAFFIC SIGN REPLACEMENT ON ROUTE 128	Qualitative	No assumed impact/negligible impact on emissions	0	
609377	DISTRICT 3 - STORMWATER IMPROVEMENTS AT VARIOUS LOCATIONS ON THE CHARLES RIVER	Qualitative	No assumed impact/negligible impact on emissions	0	
609380	STATEWIDE INTELLIGENT TRANSPORTATION SYSTEMS, YEAR 2024, FOR CIP POLICY DEVELOPMENT PURPOSES ONLY	Qualitative	No assumed impact/negligible impact on emissions	0	
BRI24	Bridge Inspection	Qualitative	No assumed impact/negligible impact on emissions	0	
BRI24	Bridge Inspection	Qualitative	No assumed impact/negligible impact on emissions	0	
BRI24	Bridge Inspection	Qualitative	No assumed impact/negligible impact on emissions	0	
TBA	DISTRICT 5 - STORMWATER IMPROVEMENTS AT VARIOUS LOCATIONS ON CAPE COD	Qualitative	No assumed impact/negligible impact on emissions	0	
TBD	DISTRICT 6- SYSTEMATIC BRIDGE PRESERVATION	Qualitative	No assumed impact/negligible impact on emissions	0	
TBD	DISTRICT 5- SYSTEMATIC BRIDGE PRESERVATION	Qualitative	No assumed impact/negligible impact on emissions	0	
TBD	SAFE ROUTES TO SCHOOL	0	Qualitative Decrease in Emissions	0	
TBD	DISTRICT 3- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	
TBD	DISTRICT 2- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	
TBD	DISTRICT 1- SYSTEMATIC BRIDGE MAINTENANCE AT VARIOUS LOCATIONS	Qualitative	No assumed impact/negligible impact on emissions	0	
TBD	DISTRICT 4- SYSTEMATIC BRIDGE PRESERVATION	Qualitative	No assumed impact/negligible impact on emissions	0	
TI24	Tunnel Inspection	Qualitative	No assumed impact/negligible impact on emissions	0	
2024	REGION: STATEWIDE		Total GHG Increase (kg/year)	0	
			Total GHG Reduction (kg/year)	0	
			Total GHG Difference (kg/year)	0	
2024			Total GHG Increase (kg/year)	38,500	
			Total GHG Reduction (kg/year)	-1,555,473	
			Total GHG Difference (kg/year)	-1,516,973	
2020-2024			Total GHG Increase for all years (kg/year)	286,915	
			Total GHG Reduction for all years (kg/year)	-19,122,198	
			Total GHG Difference for all years (kg/year)	-18,835,283	

APPENDIX A: Air Quality Conformity Determination

AIR QUALITY CONFORMITY DETERMINATION

Massachusetts Department of Transportation (MassDOT) and the Metropolitan Planning Organizations (MPOs)

This report documents the latest air quality conformity determination for the 1997 ozone National Ambient Air Quality Standards (NAAQS) in the Commonwealth of Massachusetts. It covers the applicable conformity requirements according to the latest regulations, regional designation status, legal considerations, and federal guidance. Further details and background information are provided below:

Introduction

The 1990 Clean Air Act Amendments (CAAA) require metropolitan planning organizations within nonattainment and maintenance areas to perform air quality conformity determinations prior to the approval of Long-Range Transportation Plans (LRTPs) and Transportation Improvement Programs (TIPs), and at such other times as required by regulation. Clean Air Act (CAA) section 176(c) (42 U.S.C. 7506(c)) requires that federally funded or approved highway and transit activities are consistent with (“conform to”) the purpose of the State Implementation Plan (SIP). Conformity to the purpose of the SIP means that means Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) funding and approvals are given to highway and transit activities that will not cause or contribute to new air quality violations, worsen existing violations, or delay timely attainment of the relevant NAAQS or any interim milestones (42 U.S.C. 7506(c)(1)). EPA’s transportation conformity rules establish the criteria and procedures for determining whether metropolitan transportation plans, transportation improvement programs (TIPs), and federally supported highway and transit projects conform to the SIP (40 CFR Parts 51.390 and 93).

A nonattainment area is one that the U.S. Environmental Protection Agency (EPA) has designated as not meeting certain air quality standards. A maintenance area is a nonattainment area that now meets the standards and has been re-designated as maintaining the standard. A conformity determination is a demonstration that plans, programs, and projects are consistent with the State Implementation Plan (SIP) for attaining the air quality standards. The CAAA requirement to perform a conformity determination ensures that federal approval and funding go to transportation activities that are consistent with air quality goals.

Legislative and Regulatory Background

The entire Commonwealth of Massachusetts was previously classified as nonattainment for ozone, and was divided into two nonattainment areas. The Eastern Massachusetts ozone nonattainment area included Barnstable, Bristol, Dukes, Essex, Middlesex, Nantucket, Norfolk, Plymouth, Suffolk, and Worcester counties. Berkshire, Franklin, Hampden, and Hampshire counties comprised the Western Massachusetts ozone nonattainment area. With these classifications, the 1990 Clean Air Act Amendments (CAAA) required the Commonwealth to reduce its emissions of volatile organic compounds (VOCs) and nitrogen oxides (NO_x), the two major precursors to ozone formation to achieve attainment of the ozone standard.

The 1970 Clean Air Act defined a one-hour national ambient air quality standard (NAAQS) for ground-level ozone. The 1990 CAAA further classified degrees of nonattainment of the one-hour standard based on the severity of the monitored levels of the pollutant. The entire commonwealth of Massachusetts was classified as being in serious nonattainment for the one-hour ozone standard, with a required attainment date of 1999. The attainment date was later extended, first to 2003 and a second time to 2007.

In 1997, the EPA proposed a new, eight-hour ozone standard that replaced the one-hour standard, effective June 15, 2005. Scientific information had shown that ozone could affect human health at lower levels, and over longer exposure times than one hour. The new standard was challenged in court, and after a lengthy legal battle, the courts upheld it. It was finalized in June 2004. The eight-hour standard is 0.08 parts per million, averaged over eight hours and not to be exceeded more than once per year. Nonattainment areas were again further classified based on the severity of the eight-hour values. Massachusetts as a whole was classified as being in moderate nonattainment for the eight-hour standard, and was separated into two nonattainment areas—Eastern Massachusetts and Western Massachusetts.

In March 2008, EPA published revisions to the eight-hour ozone NAAQS establishing a level of 0.075 ppm, (March 27, 2008; 73 FR 16483). In 2009, EPA announced it would reconsider this standard because it fell outside of the range recommended by the Clean Air Scientific Advisory Committee. However, EPA did not take final action on the reconsideration so the standard would remain at 0.075 ppm.

After reviewing data from Massachusetts monitoring stations, EPA sent a letter on December 16, 2011 proposing that only Dukes County would be designated as nonattainment for the new proposed 0.075 ozone standard. Massachusetts concurred with these findings.

On May 21, 2012, (77 FR 30088), the final rule was published in the Federal Register, defining the 2008 NAAQS at 0.075

ppm, the standard that was promulgated in March 2008. A second rule published on May 21, 2012 (77 FR 30160), revoked the 1997 ozone NAAQS to occur one year after the July 20, 2012 effective date of the 2008 NAAQS.

Also on May 21, 2012, the air quality designations areas for the 2008 NAAQS were published in the Federal Register. In this Federal Register, the only area in Massachusetts that was designated as nonattainment is Dukes County. All other Massachusetts counties were designated as attainment/unclassified for the 2008 standard. On March 6, 2015, (80 FR 12264, effective April 6, 2015) EPA published the Final Rulemaking, "Implementation of the 2008 National Ambient Air Quality Standards (NAAQS) for Ozone: State Implementation Plan Requirements; Final Rule." This rulemaking confirmed the removal of transportation conformity to the 1997 Ozone NAAQS.

However, on February 16, 2018, the United States Court of Appeals for the District of Columbia Circuit in *South Coast Air Quality Mgmt. District v. EPA* ("South Coast II," 882 F.3d 1138) held that transportation conformity determinations must be made in areas that were either nonattainment or maintenance for the 1997 ozone NAAQS and attainment for the 2008 ozone NAAQS when the 1997 ozone NAAQS was revoked. These conformity determinations are required in these areas after February 16, 2019. On November 29, 2018, EPA issued *Transportation Conformity Guidance for the South Coast II Court Decision* (EPA-420-B-18-050, November 2018) that addresses how transportation conformity determinations can be made in areas. According to the guidance, both Eastern and Western Massachusetts, along with several other areas across the country, are now defined as "orphan nonattainment areas" – areas that were designated as nonattainment for the 1997 ozone NAAQS at the time of its revocation (80 FR 12264, March 6, 2015) and were designated attainment for the 2008 ozone NAAQS in EPA's original designations rule for this NAAQS (77 FR 30160, May 21, 2012).

Martha's Vineyard (Dukes County) was the only Massachusetts region which remained an ozone non-attainment area under the 2008 NAAQS, and it is also classified as an "isolated rural area" related to the Standards. As such, for transportation improvement programs composed entirely of exempt projects (40 CFR 93.126), an air quality conformity analysis and determination is also not required.

Martha's Vineyard / Dukes County has historically programmed – and continues to program – in its TIP only "Exempt" transportation projects as defined in 40 CFR 93.126, so both the current FFY 2020-24 Transportation Improvement Program and the 2020- 2040 Regional Transportation Plan do not require an air quality conformity analysis or determination for the 2008 NAAQS.

Current Conformity Determination

After 2/16/19, as a result of the court ruling and the subsequent federal guidance, transportation conformity for the 1997 NAAQS – intended as an “anti-backsliding” measure – now applies to both of Massachusetts’ orphan areas. Therefore, this conformity determination is being made for the 1997 ozone NAAQS on the FFY 2020-2024 Transportation Improvement Programs and 2020-2040 Regional Transportation Plans.

The transportation conformity regulation at 40 CFR 93.109 sets forth the criteria and procedures for determining conformity. The conformity criteria for TIPs and RTPs include: latest planning assumptions (93.110), latest emissions model (93.111), consultation (93.112), transportation control measures (93.113(b) and (c), and emissions budget and/or interim emissions (93.118 and/or 93.119).

For the 1997 ozone NAAQS areas, transportation conformity for TIPs and RTPs for the 1997 ozone NAAQS can be demonstrated without a regional emissions analysis, per 40 CFR 93.109(c). This provision states that the regional emissions analysis requirement applies one year after the effective date of EPA’s nonattainment designation for a NAAQS and until the effective date of revocation of such NAAQS for an area. The 1997 ozone NAAQS revocation was effective on April 6, 2015, and the *South Coast II* court upheld the revocation. As no regional emission analysis is required for this conformity determination, there is no requirement to use the latest emissions model, or budget or interim emissions tests.

Therefore, transportation conformity for the 1997 ozone NAAQS for the FFY 2020-2024 Transportation Improvement Programs and 2020-2040 Regional Transportation Plans can be demonstrated by showing that remaining requirements in Table 1 in 40 CFR 93.109 have been met. These requirements, which are laid out in Section 2.4 of EPA’s guidance and addressed below, include:

- Latest planning assumptions (93.110)
- Consultation (93.112)
- Transportation Control Measures (93.113)
- Fiscal Constraint (93.108)

Latest Planning Assumptions:

The use of latest planning assumptions in 40 CFR 93.110 of the conformity rule generally apply to regional emissions analysis. In the 1997 ozone NAAQS areas, the use of latest planning assumptions requirement applies to assumptions about

transportation control measures (TCMs) in an approved SIP (See following section on Timely Implementation of TCMs).

Consultation:

The consultation requirements in 40 CFR 93.112 were addressed both for interagency consultation and public consultation. Interagency consultation was conducted with FHWA, FTA, US EPA Region 1, MassDEP, and the other Massachusetts MPOs, with the most recent conformity consultation meeting held on March 6, 2019 (this most recent meeting focused on understanding the latest conformity-related court rulings and resulting federal guidance). This ongoing consultation is conducted in accordance with the following:

- Massachusetts' Air Pollution Control Regulations 310 CMR 60.03 "Conformity to the State Implementation Plan of Transportation Plans, Programs, and Projects Developed, Funded or Approved Under Title 23 USC or the Federal Transit Act"
- The Commonwealth of Massachusetts Memorandum of Understanding by and between Massachusetts Department of Environmental Protection, Massachusetts Executive Office of Transportation and Construction, Massachusetts Metropolitan Planning Organizations concerning the conduct of transportation-air quality planning in the development and implementation of the state implementation plan" (note: this MOU is currently being updated)

Public consultation was conducted consistent with planning rule requirements in 23 CFR 450 through the Commonwealth's ten Metropolitan Planning Organizations (MPOs) and three Transportation Planning Organizations (TPOs.)

Title 23 CFR Section 450.324 and 310 CMR 60.03(6)(h) requires that the development of the TIP, RTP, and related certification documents provide an adequate opportunity for public review and comment. Section 450.316(b) also establishes the outline for MPO public participation programs. Each MPO's Public Participation Plan was formally adopted by their respective board and ensures that the public will have access to the TIP/RTP and all supporting documentation, provides for public notification of the availability of the TIP/RTP and the public's right to review the document and comment thereon, and provides a 21-day public review and comment period prior to the adoption of the TIP/RTP and related certification documents.

Timely Implementation of Transportation Control Measures:

Transportation Control Measures (TCMs) have been required in the SIP in revisions submitted to EPA in 1979 and 1982. All SIP TCMs have been accomplished through construction or through implementation of ongoing programs. All of the projects have been included in the Region's Transportation Plan (present or past) as recommended projects or projects requiring further study.

DEP submitted to EPA its strategy of programs to show Reasonable Further Progress of a 15% reduction of VOCs in 1996 and the further 9% reduction of NO_x toward attainment of the National Ambient Air Quality Standards (NAAQS) for ozone in 1999. Within that strategy there are no specific TCM projects. The strategy does call for traffic flow improvements to reduce congestion and, therefore, improve air quality. Other transportation-related projects that have been included in the SIP control strategy are listed below:

- *Enhanced Inspection and Maintenance Program*
- *California Low Emission Vehicle Program*
- *Reformulated Gasoline for On- and Off-Road Vehicles*
- *Stage II Vapor Recovery at Gasoline Refueling Stations*
- *Tier I Federal Vehicle Standards*

Fiscal Constraint:

Transportation conformity requirements in 40 CFR 93.108 state that TIPs and transportation plans must be fiscally constrained consistent with DOT's metropolitan planning regulations at 23 CFR part 450. The FFY 2020-2024 State Transportation Improvement Program and the 2020-2040 Regional Transportation Plans are fiscally constrained, as demonstrated in this STIP document and each respective MPO's TIPs and RTPs.

As of April 22, 2002, the cities of Worcester, Springfield, and Lowell were re-designated as being in attainment for carbon monoxide (CO) with an EPA-approved limited maintenance plan. In areas with approved limited maintenance plans, federal actions requiring conformity determinations under the transportation conformity rule are considered to satisfy the "budget test" (as budgets are treated as not constraining in these areas for the length of the initial maintenance period). Any future required "project level" conformity determinations for projects located within this community will continue to use a "hot-spot" analysis to assure that any new transportation projects in this CO attainment area do not cause or contribute to carbon monoxide non-attainment.

In summary and based upon the entire process described above, Commonwealth has prepared this conformity determination for the 1997 Ozone NAAQS in accordance with EPA's and Massachusetts' latest conformity regulations and guidance. This conformity determination process demonstrates that the FFY 2020-2024 State Transportation Improvement Program and the 2020-2040 Regional Transportation Plans meet the Clean Air Act and Transportation Conformity Rule requirements for the 1997 Ozone NAAQS, and have been prepared following all the guidelines and requirements of these rules during this time period.

Therefore, the implementation of the Commonwealth's FFY 2020-2024 State Transportation Improvement Program and the 2020-2040 Regional Transportation Plans are consistent with the air quality goals of, and in conformity with, the Massachusetts State Implementation Plan.

APPENDIX B: Operations and Maintenance

Operating and Maintenance Expenditures as of July 2019					
Statewide and District Contracts plus Expenditures within MPO boundaries					
Program Group/Sub Group	Est SFY 2019 Spending	Est SFY 2020 Spending	Est SFY 2021 Spending	Est SFY 2022 Spending	Est SFY 2023 Spending
Part 1: Non-Federal Aid					
Section I - Non Federal Aid Maintenance Projects - State Bondfunds					
01 - ADA Retrofits					
New Sidewalks and Curbing	\$ 5,947	\$ 7,461.76	\$ -	\$ -	\$ -
02 - Bicycles and pedestrians program					
Bikeway/Bike Path Construction	\$ -	\$ -	\$ -	\$ -	\$ -
03 - Bridge					
Bridge Maintenance	\$ 17,322,926	\$ 10,306,360	\$ 5,788,685	\$ -	\$ -
Bridge Maintenance - Deck Repairs	\$ -	\$ 987,214	\$ -	\$ 1,120,417.869	\$ 1,490
Bridge Maintenance - Joints	\$ 3,048,494	\$ 1,600,000	\$ -	\$ -	\$ -
Bridge Preservation	\$ 2,681,652	\$ 12,541	\$ -	\$ -	\$ -
Drawbridge Maintenance	\$ 5,673,469	\$ 30,000	\$ -	\$ -	\$ -
Painting - Structural	\$ 1,709,814	\$ 1,053,531	\$ -	\$ -	\$ -
Structures Maintenance	\$ 11,116,353	\$ 7,135,845	\$ 1,106,092	\$ -	\$ -
04 - Capacity					
Hwy Reconstr - Added Capacity	\$ -	\$ -	\$ -	\$ -	\$ -
05 - Facilities					
Vertical Construction (Ch 149)	\$ -	\$ 946,831	\$ - 1,937	\$ -	\$ -
07 - Intersection Improvements					
Traffic Signals	\$ 3,819,921	\$ 1,005,846	\$ -	\$ -	\$ -
08 - Interstate Pavement					
Resurfacing Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
09 - Intelligent Transportation Systems Program					
Intelligent Transportation System	\$ 1,236	\$ -	\$ -	\$ -	\$ -
10 - Non-Interstate DOT Pavement Program					
Resurfacing	\$ 1,264,240	\$ -	\$ -	\$ -	\$ -
Resurfacing DOT Owned Non-Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
11 - Roadway Improvements					
Catch Basin Cleaning	\$ 5,246,094	\$ 702,840	\$ 9,170	\$ -	\$ -
Contract Highway Maintenance	\$ -	\$ 1,897,139	\$ 297,544	\$ -	\$ -
Crack Sealing	\$ 6,312,356	\$ 404	\$ 169,470	\$ -	\$ -
Drainage	\$ 4,155,969	\$ 347,724	\$ -	\$ -	\$ -
Guard Rail & Fencing	\$ 4,653,669	\$ 972,482	\$ -	\$ -	\$ -
Highway Sweeping	\$ 1,001,127	\$ 98,715	\$ -	\$ -	\$ -
Landscaping	\$ 1,318,961	\$ 1,345	\$ -	\$ -	\$ -
Mowing and Spraying	\$ 1,903,243	\$ 273,890	\$ -	\$ -	\$ -
Tree Trimming	\$ 2,398,265	\$ 209,995	\$ -	\$ -	\$ -
12 - Roadway Reconstruction					
Hwy Reconstr - No Added Capacity	\$ -	\$ -	\$ -	\$ -	\$ -
Roadway - Reconstr - Sidewalks and Curbing	\$ 372,063	\$ 48,233	\$ -	\$ -	\$ -
13 - Safety Improvements					
Electrical	\$ 1,314,823	\$ 142,739	\$ -	\$ -	\$ -
Impact Attenuators	\$ 659,937	\$ 639,848	\$ 71,988	\$ -	\$ -
Lighting	\$ 2,149,910	\$ 327,312	\$ 11,000	\$ 6,219	\$ 700
Pavement Marking	\$ 4,424,808	\$ 349,391	\$ -	\$ -	\$ -
Sign Installation/Upgrading	\$ 888,269	\$ 469,451	\$ -	\$ -	\$ -
Structural Signing	\$ 663,591	\$ -	\$ -	\$ -	\$ -
Section I Total:	\$ 86,636,017	\$ 28,717,814	\$ 7,286,417	\$ -	\$ 2,190
Section II - Non Federal Aid Highway Operations - State Operating Budget Funding					
Snow and Ice Operations & Materials					
	\$ 85,304,455	\$ 111,400,372	\$ -	\$ 111,400,372	\$ 111,400,372
District Maintenance Payroll					
Mowing, Litter Mgmt, Sight Distance Clearing, Etc.	\$ 31,277,594	\$ 32,818,541	\$ 111,400,372	\$ 32,818,541	\$ 32,818,541
Section II Total:	\$ 116,582,049	\$ 144,218,913	\$ 111,400,372	\$ 144,218,913	\$ 144,218,913
Grand Total NFA:	\$ 203,218,066	\$ 172,936,727	\$ 144,218,913	\$ 145,346,418	\$ 144,221,102

Operating and Maintenance Expenditures as of July 2019					
Statewide and District Contracts plus Expenditures within MPO boundaries					
Program Group/Sub Group	Est SFY 2019 Spending	Est SFY 2020 Spending	Est SFY 2021 Spending	Est SFY 2022 Spending	Est SFY 2023 Spending
Part 2: Federal Aid					
Section I - Federal Aid Maintenance Projects					
01 - ADA Retrofits					
New Sidewalks and Curbing	\$ 712,785	\$ -	\$ -	\$ -	\$ -
02 - Bicycles and pedestrians program					
Bikeway/Bike Path Construction	\$ -	\$ -	\$ -	\$ -	\$ -
03 - Bridge					
Bridge Maintenance	\$ 493,652	\$ 324,112.06	\$ -	\$ -	\$ 223,107
Bridge Maintenance - Deck Repairs	\$ -	\$ -	\$ -	\$ 4,106,549.866	\$ 256,913
Bridge Maintenance - Joints	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Preservation	\$ 668,710	\$ -	\$ 1,434,942	\$ -	\$ -
Drawbridge Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Painting - Structural	\$ - 1,125,501	\$ 1,426,513	\$ -	\$ -	\$ 552,819
Structures Maintenance	\$ 4,242,325	\$ -	\$ -	\$ 2,368,470	\$ -
04 - Capacity					
Hwy Reconstr - Added Capacity	\$ -	\$ -	\$ 3,912,594	\$ -	\$ -
05 - Facilities					
Vertical Construction (Ch 149)	\$ -	\$ 927,229	\$ 120,169	\$ -	\$ -
07 - Intersection Improvements					
Traffic Signals	\$ 1,719,021	\$ -	\$ -	\$ -	\$ -
08 - Interstate Pavement					
Resurfacing Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
09 - Intelligent Transportation Systems Program					
Intelligent Transportation System	\$ -	\$ -	\$ -	\$ -	\$ -
10 - Non-Interstate DOT Pavement Program					
Resurfacing	\$ -	\$ -	\$ -	\$ -	\$ -
Resurfacing DOT Owned Non-Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
11 - Roadway Improvements					
Catch Basin Cleaning	\$ -	\$ -	\$ -	\$ -	\$ -
Contract Highway Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Crack Sealing	\$ -	\$ -	\$ -	\$ -	\$ -
Drainage	\$ 63,259	\$ -	\$ -	\$ -	\$ -
Guard Rail & Fencing	\$ 410,742	\$ -	\$ -	\$ -	\$ -
Highway Sweeping	\$ -	\$ -	\$ -	\$ -	\$ -
Landscaping	\$ -	\$ -	\$ -	\$ -	\$ -
Mowing and Spraying	\$ -	\$ -	\$ -	\$ -	\$ -
Tree Trimming	\$ -	\$ -	\$ -	\$ -	\$ -
12 - Roadway Reconstruction					
Hwy Reconstr - No Added Capacity	\$ -	\$ -	\$ -	\$ -	\$ -
Roadway - Reconstr - Sidewalks and Curbing	\$ -	\$ -	\$ -	\$ -	\$ -
13 - Safety Improvements					
Electrical	\$ 707,354	\$ -	\$ -	\$ -	\$ -
Impact Attenuators	\$ -	\$ -	\$ -	\$ -	\$ -
Lighting	\$ 698,000	\$ -	\$ -	\$ -	\$ -
Pavement Marking	\$ 2,674,947	\$ -	\$ -	\$ 3,382,817	\$ 18,401
Sign Installation/Upgrading	\$ 2,952,890	\$ -	\$ -	\$ -	\$ -
Structural Signing	\$ -	\$ -	\$ 6,072,000	\$ -	\$ -
Section I Total:	\$ 16,469,187	\$ 6,072,000	\$ -	\$ 40,987,733	\$ 1,051,240
		6,072,000			
		246,367			
		2,913,494			
Grand Total Federal Aid:	\$ 16,469,187	\$ -	\$ -	\$ 40,987,733	\$ 1,051,240

Operating and Maintenance Expenditures as of July 2019						
Statewide and District Contracts						
Program Group/Sub Group	Est SFY 2019 Spending	Est SFY 2020 Spending	Est SFY 2021 Spending	Est SFY 2022 Spending	Est SFY 2023 Spending	
Part 1: Non-Federal Aid						
Section I - Non Federal Aid Maintenance Projects - State Bondfunds						
01 - ADA Retrofits						
New Sidewalks and Curbing	\$ 5,947	\$	\$	\$	\$	
02 - Bicycles and pedestrians program						
Bikeway/Bike Path Construction	\$	\$	\$	\$ 142,917.17	\$	
03 - Bridge						
Bridge Maintenance	\$ 17,319,926	\$	\$ 385,347.83	\$	\$	
Bridge Maintenance - Deck Repairs	\$	\$ 250,000.00	\$ 3,572,903.26	\$ 10,581,709.64	\$ 17,769,183.47	\$ 627,603.36
Bridge Maintenance - Joints	\$ 3,048,494	\$	\$	\$ 37,073,180.69	\$	\$
Bridge Preservation	\$ 2,681,652	\$	\$	\$	\$	\$
Drawbridge Maintenance	\$ 5,673,469	\$ 24,272,267.81	\$	\$	\$	\$
Painting - Structural	\$ 1,031,834	\$	\$	\$ 654,956.52	\$	\$ 392,041.74
Structures Maintenance	\$ 10,800,830	\$ 1,600,000.00	\$ 1,934,828,866.50	\$ 8,166,516.78	\$ 264,632.24	\$
04 - Capacity						
Hwy Reconstr - Added Capacity	\$	\$ 1,638,000.00	\$	\$	\$	\$
05 - Facilities						
Vertical Construction (Ch 149)	\$	\$ 4,109,398.48	\$ 4,127,124.95	\$ 2,502,640.68	\$	\$
07 - Intersection Improvements						
Traffic Signals	\$ 3,819,921	\$	\$	\$	\$ 3,134,124.22	\$
08 - Interstate Pavement						
Resurfacing Interstate	\$ -	\$	\$ 3,108,009.69	\$	\$	\$ 28,800.00
09 - Intelligent Transportation Systems Program						
Intelligent Transportation System	\$	\$	\$	\$ 938,701.54	\$	\$
10 - Non-Interstate DOT Pavement Program						
Resurfacing	\$ 1,264,240	\$	\$	\$	\$ 4,093,047.29	\$
Resurfacing DOT Owned Non-Interstate	\$ 1,236	\$	\$ 10,837,733.85	\$ 1,873,475.79	\$	\$
11 - Roadway Improvements						
Catch Basin Cleaning	\$ 5,246,094	\$	\$	\$	\$	\$ 80,347.83
Contract Highway Maintenance	\$	\$ 10,169,388.16	\$ 5,032,160.46	\$ 6,654,010.55	\$ 482,067.96	\$
Crack Sealing	\$ 6,312,354.404	\$	\$	\$ 993,286.31	\$	\$
Drainage	\$ 4,155,969	\$	\$	\$	\$ 923,198.46	\$
Guard Rail & Fencing	\$ 4,646,176	\$ 1,972,758.97	\$ 1,638,026.09	\$	\$ 820,539.09	\$ 224,000.00
Highway Sweeping	\$ 1,001,127	\$	\$ 5,336,756.90	\$ 4,553,517.84	\$ 359,006.52	\$
Landscaping	\$ 1,318,961	\$	\$ 3,569,233.82	\$	\$	\$
Mowing and Spraying	\$ 1,903,243	\$ 874,966.05	\$ 3,245,134.19	\$ 1,063,281.91	\$ 647,965.22	\$
Tree Trimming	\$ 2,398,265	\$ 3,122,197.78	\$	\$ 160,171.20	\$ 1,665,031.41	\$
12 - Roadway Reconstruction						
Hwy Reconstr - No Added Capacity	\$	\$ 714,381.37	\$	\$	\$	\$
Roadway - Reconstr - Sidewalks and Curbing	\$	\$ 1,643,252.51	\$ 269,118.41	\$ 3,341,545.28,000.00	\$	\$
	\$	\$ 1,165,107.00	\$	\$ 517,719.41	\$ 642,782.61	\$
13 - Safety Improvements						
Electrical	\$ 1,314,823	\$	\$	\$	\$	\$
Impact Attenuators	\$ 659,937	\$	\$	\$	\$ 405,000.00	\$ 82,824.59
Lighting	\$ 372,063	\$ 2,148,610	\$	\$	\$ 493,934,108.57	\$
Pavement Marking	\$ 4,165,790	\$	\$ 425,000.00	\$	\$ 1,890,495.07	\$ 97,064.96
Sign Installation/Upgrading	\$ 876,233	\$	\$ 514,418.98	\$	\$	\$ 160,695.65
Structural Signing	\$ 663,591	\$ 702,736.60	\$ 3,071,629.57	\$	\$ 30,350.63	\$
Section I Total:	\$ 68,021,173	\$ 703,183.22	\$ 16,377.56	\$	\$ 54,747.83	\$ 1,082,818
Section II - Non Federal Aid Highway Operations - State Operating Budget Funding						
Snow and Ice Operations & Materials	\$	\$ 2,269,043.08	\$ 121,402.54	\$	\$	\$
	\$	\$ 497,631.13	\$ 592,617.46	\$	\$	\$
District Maintenance Payroll	\$	\$	\$	\$	\$	\$
Mowing, Litter Mgmt, Sight Distance Clearing, Etc.	\$	\$ 562,947.35	\$	\$ 111,400,372	\$ 32,818,541	\$ 32,818,541
Section II Total:	\$ 116,582,049	\$ 111,400,372	\$ 32,818,541	\$	\$ 144,218,913	\$ 144,218,913
Grand Total NFA:	\$ 184,603,223	\$	\$ 144,218,913	\$	\$ 180,539,084	\$ 145,301,731

31,277,594

Operating and Maintenance Expenditures as of July 2019					
Statewide and District Contracts					
Program Group/Sub Group	Est SFY 2019 Spending	Est SFY 2020 Spending	Est SFY 2021 Spending	Est SFY 2022 Spending	Est SFY 2023 Spending
Part 2: Federal Aid					
Section I - Federal Aid Maintenance Projects					
01 - ADA Retrofits					
New Sidewalks and Curbing	\$ 712,785	\$ 324,112.08	\$ -	\$ -	\$ -
02 - Bicycles and pedestrians program					
Bikeway/Bike Path Construction	\$ -	\$ -	\$ -	\$ -	\$ -
03 - Bridge					
Bridge Maintenance	\$ -	\$ -	\$ 899,999.86	\$ 1,875,503.95	\$ -
Bridge Maintenance - Deck Repairs	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Maintenance - Joints	\$ -	\$ -	\$ -	\$ -	\$ -
Bridge Preservation	\$ -	\$ -	\$ -	\$ -	\$ -
Drawbridge Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Painting - Structural	\$ -	\$ -	\$ 2,697,659.91	\$ 2,368,469.56	\$ -
Structures Maintenance	\$ 1,974,470	\$ 1,303,407.13	\$ -	\$ -	\$ 552,818.92
04 - Capacity					
Hwy Reconstr - Added Capacity	\$ -	\$ -	\$ -	\$ -	\$ -
05 - Facilities					
Vertical Construction (Ch 149)	\$ -	\$ -	\$ -	\$ -	\$ -
07 - Intersection Improvements					
Traffic Signals	\$ 1,719,021	\$ -	\$ -	\$ -	\$ -
08 - Interstate Pavement					
Resurfacing Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
09 - Intelligent Transportation Systems Program					
Intelligent Transportation System	\$ -	\$ -	\$ -	\$ -	\$ -
10 - Non-Interstate DOT Pavement Program					
Resurfacing	\$ -	\$ -	\$ -	\$ -	\$ -
Resurfacing DOT Owned Non-Interstate	\$ -	\$ -	\$ -	\$ -	\$ -
11 - Roadway Improvements					
Catch Basin Cleaning	\$ -	\$ -	\$ -	\$ -	\$ -
Contract Highway Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -
Crack Sealing	\$ -	\$ -	\$ -	\$ -	\$ -
Drainage	\$ 19,900	\$ -	\$ -	\$ -	\$ -
Guard Rail & Fencing	\$ -	\$ -	\$ -	\$ -	\$ -
Highway Sweeping	\$ -	\$ -	\$ -	\$ -	\$ -
Landscaping	\$ -	\$ -	\$ -	\$ -	\$ -
Mowing and Spraying	\$ -	\$ -	\$ -	\$ -	\$ -
Tree Trimming	\$ -	\$ -	\$ -	\$ -	\$ -
12 - Roadway Reconstruction					
Hwy Reconstr - No Added Capacity	\$ -	\$ -	\$ -	\$ -	\$ -
Roadway - Reconstr - Sidwalks and Curbing	\$ -	\$ -	\$ -	\$ -	\$ -
13 - Safety Improvements					
Electrical	\$ 707,354	\$ -	\$ -	\$ -	\$ -
Impact Attenuators	\$ -	\$ -	\$ -	\$ -	\$ -
Lighting	\$ -	\$ -	\$ -	\$ -	\$ -
Pavement Marking	\$ 147,829	\$ 245,367.29	\$ -	\$ -	\$ -
Sign Installation/Upgrading	\$ 2,224,808	\$ 237,075.84	\$ -	\$ -	\$ -
Structural Signage	\$ -	\$ -	\$ -	\$ -	\$ -
Section I Total:	\$ 7,506,168	\$ 2,109,962	\$ 3,597,660	\$ -	\$ 552,819
Grand Total Federal Aid:					
	\$ 7,506,168	\$ 2,109,962	\$ 3,597,660	\$ -	\$ 552,819